

Konica

SERVICE MANUAL

Models

7020/7022/7025/7030

7035/7130/7135

OCTOBER 2002

CSM-7135

KONICA BUSINESS TECHNOLOGIES, INC.

7020/7022/7025/7030

7035/7130/7135

SERVICE MANUAL

OCTOBER 2002

IMPORTANT NOTICE

Because of the possible hazards to an inexperienced person servicing this equipment, as well as the risk of damage to the equipment, Konica Business Technologies strongly recommends that all servicing be performed by Konica-trained service technicians only.

Changes may have been made to this equipment to improve its performance after this service manual was printed. Accordingly, Konica Business Technologies, Inc., makes no representations or warranties, either expressed or implied, that the information contained in this service manual is complete or accurate. It is understood that the user of this manual must assume all risks or personal injury and/or damage to the equipment while servicing the equipment for which this service manual is intended.

Corporate Publications Department

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SAFETY AND IMPORTANT WARNING ITEMS

Read carefully the Safety and Important Warning Items described below to understand them before doing service work.

IMPORTANT NOTICE

Because of possible hazards to an inexperienced person servicing this copier as well as the risk of damage to the copier, Konica Corporation strongly recommends that all servicing be performed only by Konica-trained service technicians.

Changes may have been made to this copier to improve its performance after this Service Handbook was printed. Accordingly, Konica Corporation does not warrant, either explicitly or implicitly, that the information contained in this Service Handbook is complete and accurate.

The user of this Service Handbook must assume all risks of personal injury and/or damage to the copier while servicing the copier for which this Service Handbook is intended.

Therefore, this Service Handbook must be carefully read before doing service work both in the course of technical training and even after that, for performing maintenance and control of the copier properly.




Keep this Service Handbook also for future service.

When it is impossible to read the description about safety and warning (due to contamination or tear), the relevant page should be replaced.

DESCRIPTION ITEMS FOR DANGER, WARNING AND CAUTION

In this Service Handbook, each of three expressions, “⚠ DANGER,” “⚠ WARNING,” and “⚠ CAUTION” is defined as follows together with a symbol mark to be used in a limited meaning.

When servicing the copier, the relevant works (disassembling, reassembling, adjustment, repair, maintenance, etc.) need to be conducted with utmost care.

-  **DANGER** : Actions having a high possibility of suffering death or serious injury
-  **WARNING** : Actions having a possibility of suffering death or serious injury
-  **CAUTION** : Actions having a possibility of suffering a slight wound, medium trouble, and property damage

Symbols used for safety and important warning items are defined as follows:

 : Precaution when using the copier.

 : Prohibition when using the copier.

 : Direction when using the copier.

 General precaution

 General prohibition

 General instruction

 Electric hazard

 Do not touch with wet hand

 Unplug

 High temperature

 Do not disassemble

 Ground/Earth


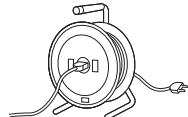

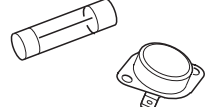

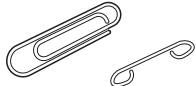

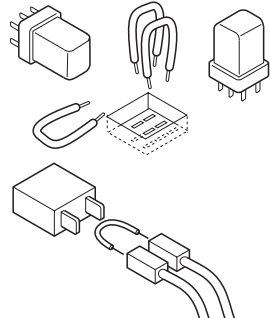



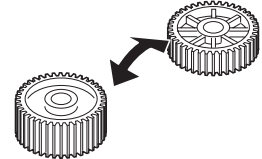
SAFETY WARNINGS

[1] MODIFICATIONS NOT AUTHORIZED BY KONICA

Konica copiers are renowned for their high reliability. This reliability is achieved through high-quality design and a solid service network.

Copier design is a highly complicated and delicate process where numerous mechanical, physical, and electrical aspects have to be taken into consideration, with the aim of arriving at proper tolerances and safety factors. For this reason, unauthorized modifications involve a high risk of degradation in performance and safety. Such modifications are therefore strictly prohibited. The points listed below are not exhaustive, but they illustrate the reasoning behind this policy.




DANGER : PROHIBITED ACTIONS

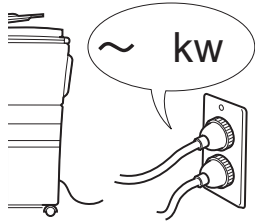
| | | |
|--|---|---|
| <ul style="list-style-type: none"> Using any cables or power cord not specified by Konica. |  |  |
| <ul style="list-style-type: none"> Using any fuse or thermostat not specified by Konica. Safety will not be assured, leading to a risk of fire and injury. |  |  |
| <ul style="list-style-type: none"> Disabling fuse functions or bridging fuse terminals with wire, metal clips, solder or similar object. |  |  |
| <ul style="list-style-type: none"> Disabling relay functions (such as wedging paper between relay contacts) |  |  |
| <ul style="list-style-type: none"> Disabling safety functions (interlocks, safety circuits, etc.) Safety will not be assured, leading to a risk of fire and injury. |  | |
| <ul style="list-style-type: none"> Making any modification to the copier unless instructed by Konica |  | |
| <ul style="list-style-type: none"> Using parts not specified by Konica |  |  |






[2] CHECKPOINTS WHEN PERFORMING ON-SITE SERVICE

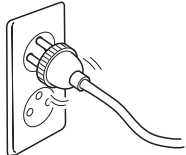
Konica copiers are extensively tested before shipping, to ensure that all applicable safety standards are met, in order to protect the customer and customer engineer (hereafter called the CE) from the risk of injury. However, in daily use, any electrical equipment may be subject to parts wear and eventual failure. In order to maintain safety and reliability, the CE must perform regular safety checks.

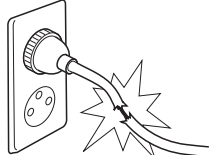
1. Power Supply

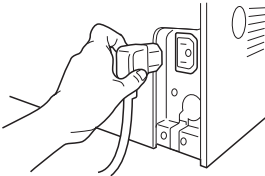
|  WARNING: Wall Outlet | |
|--|---|
| <ul style="list-style-type: none"> • Check that mains voltage is as specified. Plug the power cord into the dedicated wall outlet with a capacity greater than the maximum power consumption. If excessive current flows in the wall outlet, fire may result. |  |
| <ul style="list-style-type: none"> • If two or more power cords can be plugged into the wall outlet, the total load must not exceed the rating of the wall outlet. If excessive current flows in the wall outlet, fire may result. |  |

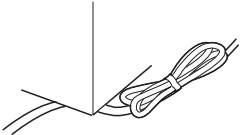


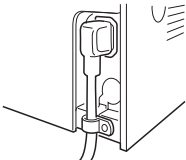
|  WARNING: Power Plug and Cord | |
|--|---|
| <ul style="list-style-type: none"> • Make sure the power cord is plugged in the wall outlet securely. Contact problems may lead to increased resistance, overheating, and the risk of fire. |  |
| <ul style="list-style-type: none"> • Check whether the power cord is damaged. Check whether the sheath is damaged. If the power plug, cord, or sheath is damaged, replace with a new power cord (with plugs on both ends) specified by Konica. Using the damaged power cord may result in fire or electric shock. |  |
| <ul style="list-style-type: none"> • When using the power cord (inlet type) that came with this copier, be sure to observe the following precautions: <ol style="list-style-type: none"> a. Make sure the copier-side power plug is securely inserted in the socket on the rear panel of the copier. Secure the cord with a fixture properly. b. If the power cord or sheath is damaged, replace with a new power cord (with plugs on both ends) specified by Konica. If the power cord (inlet type) is not connected to the copier securely, a contact problem may lead to increased resistance, overheating, and risk of fire. |  |
| <ul style="list-style-type: none"> • Check whether the power cord is not stepped on or pinched by a table and so on. Overheating may occur there, leading to a risk of fire. |  |





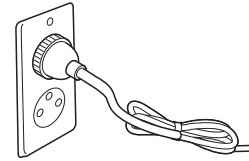




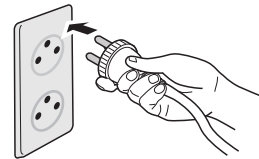


! WARNING: Power Plug and Cord

- Do not bundle or tie the power cord.
Overheating may occur there, leading to a risk of fire.



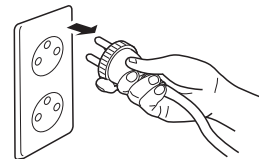
- Check whether dust is collected around the power plug and wall outlet.
Using the power plug and wall outlet without removing dust may result in fire.



- Do not insert the power plug into the wall outlet with a wet hand.
The risk of electric shock exists.

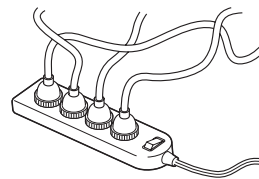


- When unplugging the power cord, grasp the plug, not the cable.
The cable may be broken, leading to a risk of fire and electric shock.

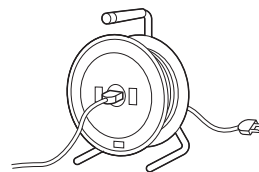


! WARNING: Wiring

- Never use multi-plug adapters to plug multiple power cords in the same outlet.
If used, the risk of fire exists.

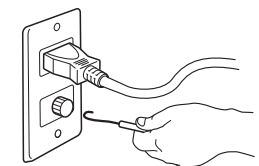


- When an extension cord is required, use a specified one.
Current that can flow in the extension cord is limited, so using a too long extension cord may result in fire.
Do not use an extension cable reel with the cable taken up. Fire may result.



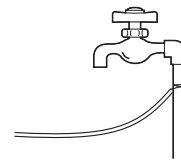
! WARNING: Ground Lead

- Check whether the copier is grounded properly.
If current leakage occurs in an ungrounded copier, you may suffer electric shock while operating the copier. Connect the ground lead to one of the following points:
 - a. Ground terminal of wall outlet
 - b. Ground terminal for which Class D work has been done



! WARNING: Ground Lead

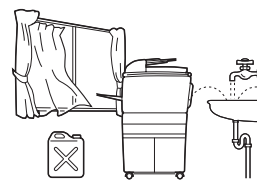
- Pay attention to the point to which the ground lead is connected. Connecting the ground lead to an improper point such as the points listed below results in a risk of explosion and electric shock:
 - a. Gas pipe (A risk of explosion or fire exists.)
 - b. Lightning rod (A risk of electric shock or fire exists.)
 - c. Telephone line ground (A risk of electric shock or fire exists in the case of lightning.)
 - d. Water pipe or faucet (It may include a plastic portion.)



2. Installation Requirements

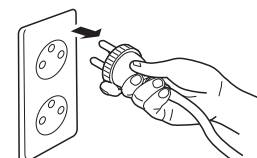
! WARNING: Prohibited Installation Place

- Do not place the copier near flammable materials such as curtains or volatile materials that may catch fire. A risk of fire exists.
- Do not place the copier in a place exposed to water such as rain water. A risk of fire and electric shock exists.



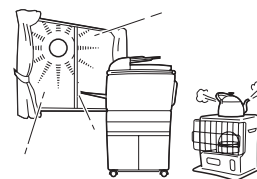
! WARNING: Nonoperational Handling

- When the copier is not used over an extended period of time (holidays, etc.), switch it off and unplug the power cord. Dust collected around the power plug and outlet may cause fire.



! CAUTION: Temperature and Humidity

- Do not place the copier in a place exposed to direct sunlight or near a heat source such as a heater. A risk of degradation in copier performance or deformation exists. Do not place the copier in a place exposed to cool wind. Recommended temperature and humidity are as follows:
 Temperature: 10°C to 30°C
 Humidity: 10% to 80% (no dew condensation)
 Avoid other environments as much as possible.



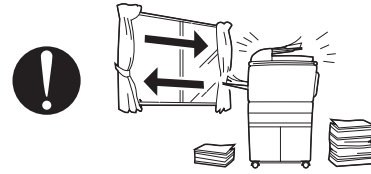
! CAUTION: Ventilation

- Do not place the copier in a place where there is much dust, cigarette smoke, or ammonia gas. Place the copier in a well ventilated place to prevent machine problems and image faults.



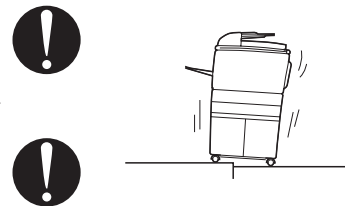
! CAUTION: Ventilation

- The copier generates ozone gas during operation, but it is not sufficient to be harmful to the human body.
If a bad smell of ozone is present in the following cases, ventilate the room.
 - a. When the copier is used in a poorly ventilated room
 - b. When taking a lot of copies
 - c. When using multiple copiers at the same time



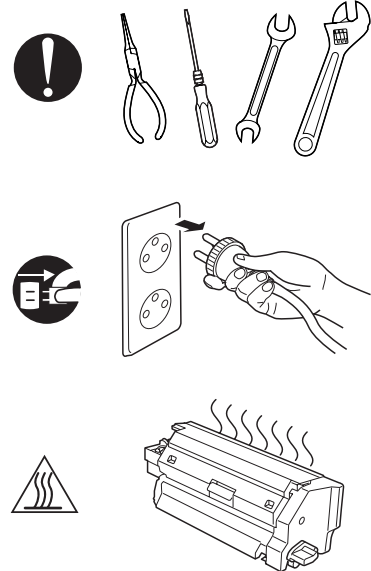
! CAUTION: Vibration

- When installing the copier, read the Installation Guide thoroughly. Be sure to install the copier in a level and sturdy place.
Constant vibration will cause problems.
- Be sure to lock the caster stoppers.
In the case of an earthquake and so on, the copier may slide, leading to a injury.



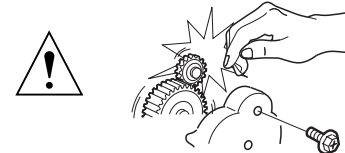
! CAUTION: Inspection before Servicing

- Before conducting an inspection, read all relevant documentation (service handbook, technical notices, etc.) and proceed with the inspection following the prescribed procedure, using only the prescribed tools. Do not make any adjustment not described in the documentation.
If the prescribed procedure or tool is not used, the copier may break and a risk of injury or fire exists.
- Before conducting an inspection, be sure to disconnect the power plugs from the copier and options.
When the power plug is inserted in the wall outlet, some units are still powered even if the POWER switch is turned OFF. A risk of electric shock exists.
- The area around the fixing unit is hot.
You may get burnt.



! DANGER: Work Performed with the Copier Powered

- Take every care when making adjustments or performing an operation check with the copier powered.
If you make adjustments or perform an operation check with the external cover detached, you may touch live or high-voltage parts or you may be caught in moving gears or the timing belt, leading to a risk of injury.



⚠ DANGER: Work Performed with the Copier Powered

- Take every care when servicing with the external cover detached.
High-voltage exists around the drum unit. A risk of electric shock exists.

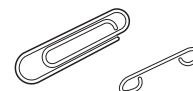


⚠ WARNING: Safety Checkpoints

- Check the exterior and frame for edges, burrs, and other damages.
The user or CE may be injured.



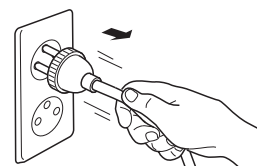
- Do not allow any metal parts such as clips, staples, and screws to fall into the copier.
They can short internal circuits and cause electric shock or fire.



- Check wiring for squeezing and any other damage.
Current can leak, leading to a risk of electric shock or fire.



- When disconnecting connectors, grasp the connector, not the cable.
(Specifically, connectors of the AC line and high-voltage parts)
Current can leak, leading to a risk of electric shock or fire.



- Carefully remove all toner remnants and dust from electrical parts and electrode units such as a charging corona unit.
Current can leak, leading to a risk of copier trouble or fire.



- Check high-voltage cables and sheaths for any damage.
Current can leak, leading to a risk of electric shock or fire.



- Check electrode units such as a charging corona unit for deterioration and sign of leakage.
Current can leak, leading to a risk of trouble or fire.



- Before disassembling or adjusting the write unit incorporating a laser, make sure that the power cord has been disconnected.
The laser light can enter your eye, leading to a risk of loss of eyesight.



- Do not remove the cover of the write unit. Do not supply power with the write unit shifted from the specified mounting position.
The laser light can enter your eye, leading to a risk of loss of eyesight.

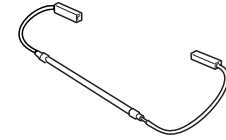


- When replacing a lithium battery, replace it with a new lithium battery specified in the Parts Guide Manual. Dispose of the used lithium battery using the method specified by local authority.
Improper replacement can cause explosion.

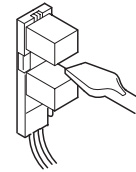


! WARNING: Safety Checkpoints

- After replacing a part to which AC voltage is applied (e.g., optical lamp and fixing lamp), be sure to check the installation state.
A risk of fire exists.



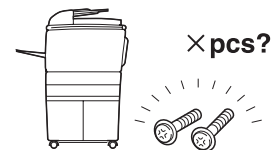
- Check the interlock switch and actuator for loosening and check whether the interlock functions properly.
If the interlock does not function, you may receive an electric shock or be injured when you insert your hand in the copier (e.g., for clearing paper jam).



- Make sure the wiring cannot come into contact with sharp edges, burrs, or other pointed parts.
Current can leak, leading to a risk of electric shock or fire.

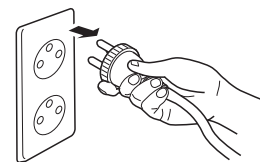


- Make sure that all screws, components, wiring, connectors, etc. that were removed for safety check and maintenance have been reinstalled in the original location. (Pay special attention to forgotten connectors, pinched cables, forgotten screws, etc.)
A risk of copier trouble, electric shock, and fire exists.



! DANGER: Handling of Service Materials

- Unplug the power cord from the wall outlet.
Drum cleaner (isopropyl alcohol) and roller cleaner (acetone-based) are highly flammable and must be handled with care. A risk of fire exists.



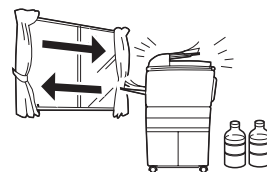
- Do not replace the cover or turn the copier ON before any solvent remnants on the cleaned parts have fully evaporated.
A risk of fire exists.




- Use only a small amount of cleaner at a time and take care not to spill any liquid. If this happens, immediately wipe it off.
A risk of fire exists.



- When using any solvent, ventilate the room well.
Breathing large quantities of organic solvents can lead to discomfort.



 **DANGER: Handling of Service Materials**

- Toner and developer are not harmful substances, but care must be taken not to breathe excessive amounts or let the substances come into contact with eyes, etc. It may be stimulative.

If the substances get in the eye, rinse with plenty of water immediately.
When symptoms are noticeable, consult a physician.



- Never throw the used cartridge and toner into fire.
You may be burned due to dust explosion.



[3] MEASURES TO TAKE IN CASE OF AN ACCIDENT

1. If an accident has occurred, the distributor who has been notified first must immediately take emergency measures to provide relief to affected persons and to prevent further damage.
2. If a report of a serious accident has been received from a customer, an on-site evaluation must be carried out quickly and Konica Corporation must be notified.
3. To determine the cause of the accident, conditions and materials must be recorded through direct on-site checks, in accordance with instructions issued by Konica Corporation.
4. For reports and measures concerning serious accidents, follow the regulations given in "Serious Accident Report/Follow-up Procedures."

[4] CONCLUSION

1. Safety of users and customer engineers depends highly on accurate maintenance and administration. Therefore, safety can be maintained by the appropriate daily service work conducted by the customer engineer.
2. When performing service, each copier on the site must be tested for safety. The customer engineer must verify the safety of parts and ensure appropriate management of the equipment.

SAFETY INFORMATION

IMPORTANT INFORMATION

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration implemented regulations for laser products manufactured since August 1, 1976. Compliance is mandatory for products marketed in the United States.

This copier is certified as a “Class 1” laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. Since radiation emitted inside this copier is completely confined within protective housings and external covers, the laser beam cannot escape during any phase of normal user operation.

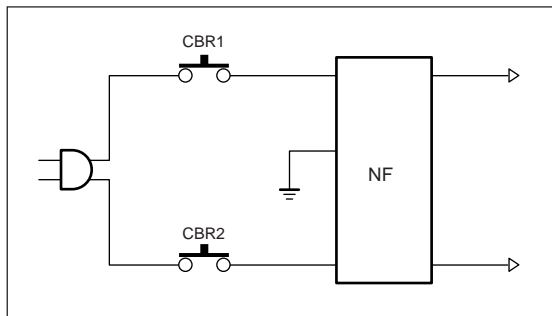
SAFETY CIRCUITS

This machine is provided with the following safety circuits to prevent machine faults from resulting in serious accidents.

- [1] Overall safety circuit
- [2] L2 and L3 (fixing heater lamps) overheating prevention circuit

These safety circuits are described below to provide the service engineer with a renewed awareness of them in order to prevent servicing errors that may impair their functions.

[1] Overall safety circuit protector



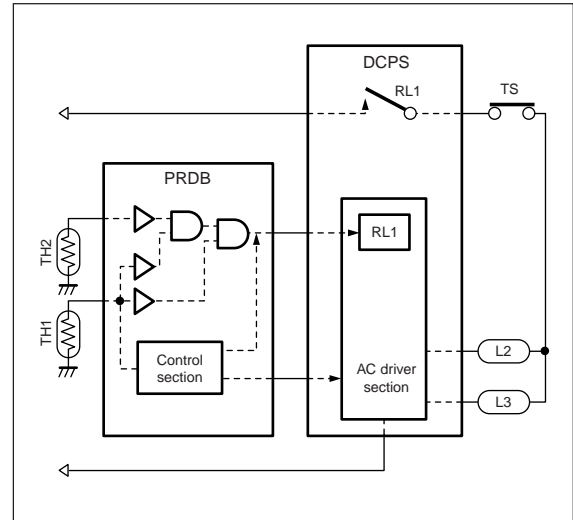
1. Protection by CBR1 and CBR2 (circuit breakers)

CBR1 and CBR2 interrupt the AC line instantaneously when an excessive current flows due to a short in the AC line.

⚠ CAUTION:

The CBR1 and CBR2 functions must not be deactivated under any circumstances.

[2] Protection by L2 and L3 (fixing heater lamps) overheating prevention circuit



1. Protection by software

The output voltage from TH1 and TH2 (fixing temperature sensors 1 and 2) is read by the CPU. If this voltage is abnormal, L2 (fixing heater lamp 1), L3 (fixing heater lamp 2) and RL1 (main relay) are turned OFF.

⚠ CAUTION:

Do not change the gap between the roller and TH1, between the roller and TH2. When replacing TH1, check the specified mounting dimensions. The RL1 function must not be deactivated under any circumstances.

2. Protection by the hardware circuit

The output voltages from TH1 and TH2 (fixing temperature sensors) are compared with the abnormality judgment reference value in the comparator circuit. If the output voltage from TH1 or TH2 exceeds the reference value, L2 (fixing heater lamp 1), L3 (fixing heater lamp 2) and RL1 (main relay) are turned OFF in hardware means.

CAUTION:

Periodically check the TH1 and TH2 face contacting the roller, and replace TH1 and TH2 if any abnormality is detected.

Since TH1 and TH2 face does not contact the roller, check the distance from the roller and the sensor orientation if any abnormality is detected.

The RL1 function must not be deactivated under any circumstances.

3. Protection by TS (thermostat)

When the temperature of the upper fixing roller exceeds the specified value, TS are turned OFF, thus interrupting the power to L2 (fixing heater lamp 1) and L3 (fixing heater lamp 2) directly.

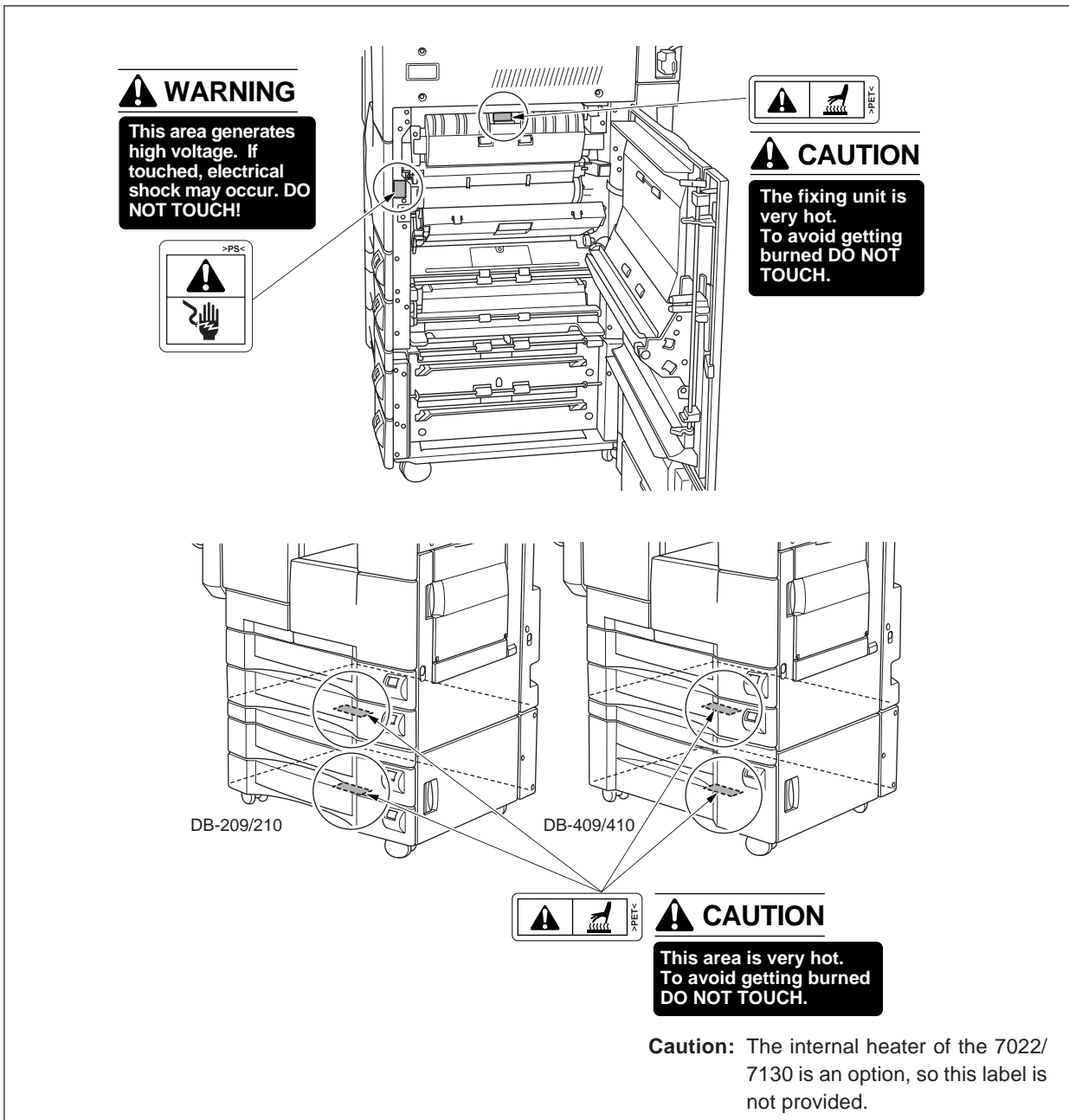
CAUTION:

Do not use any other electrical conductor in place of TS. Do not change the distance between the roller and TS (thermostat).

INDICATION OF WARNING ON THE MACHINE

Caution labels shown below are attached in some areas on/in the machine.

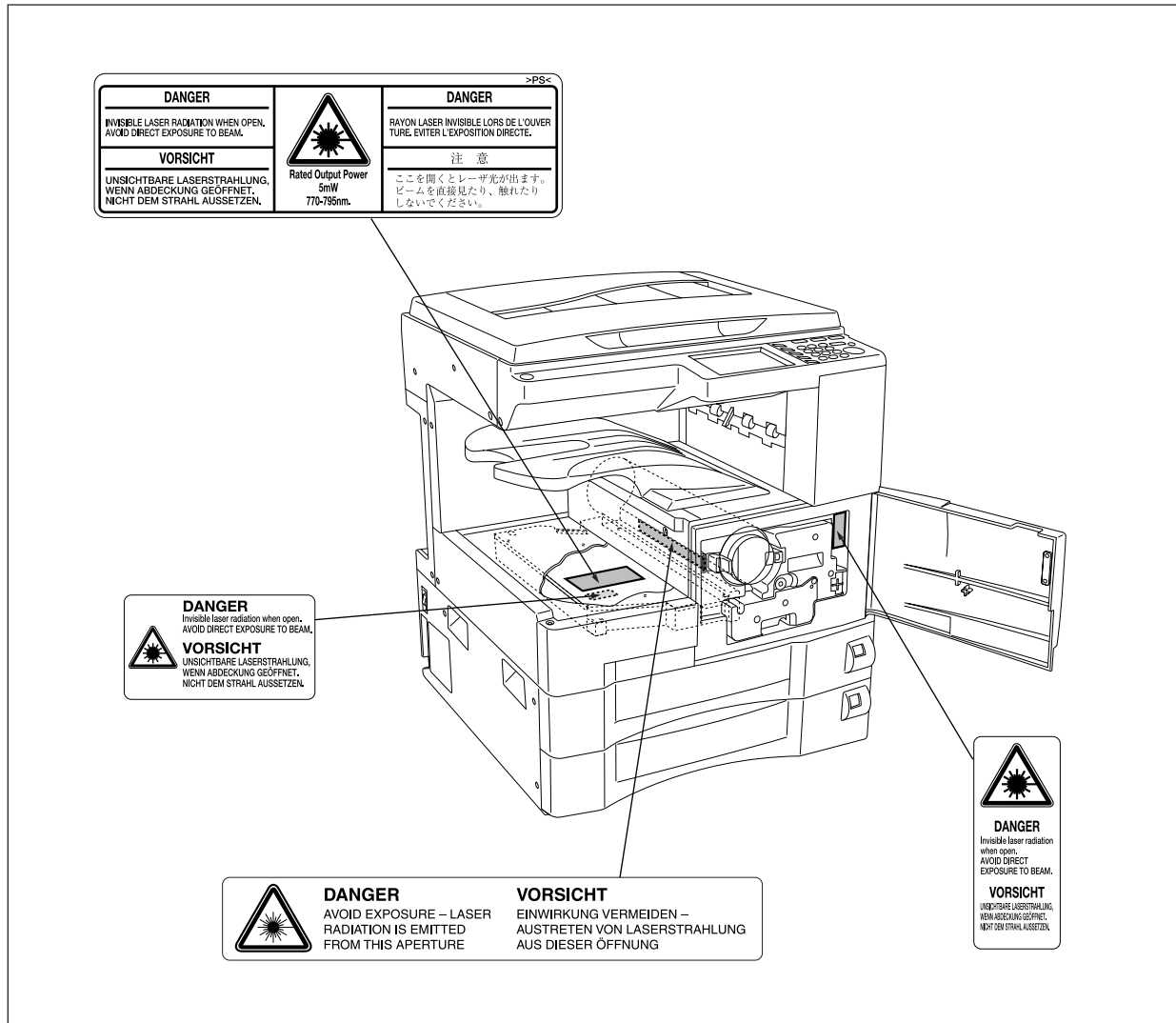
When accessing these areas for maintenance, repair, or adjustment, special care should be taken to avoid burns and electric shock.



CAUTION:

You may be burned or injured if you touch any area that you are advised by any caution label to keep yourself away from.
Do not remove caution labels. If any caution label has come off or soiled and therefore the caution cannot be read, contact our Service Office.

SAFETY AND IMPORTANT WARNING ITEMS



CAUTION:

You may be burned or injured if you touch any area that you are advised by any caution label to keep yourself away from.

Do not remove caution labels. If any caution label has come off or soiled and therefore the caution cannot be read, contact our Service Office.

4 7020 SERIES LIST OF DIFFERENCE

| Classification | 7020 | 7022 | 7025 | 7030 | 7130 | 7035 | 7135 | Reason | |
|----------------------|--------------------------------|---|---|---|---|--------------------------|----------------------|----------------------|----------------------|
| Specification | Warm-up time | Within 30 seconds | | | | | | | Specification Change |
| | First copy out time (A4) | Approx. 5 seconds | | | | | | | |
| Specification | Continuous copy speed(A4) | 22 copies | 25 copies | 30 copies | 35 copies | | | Specification Change | |
| | Maximum E-RDPH memory | 288 MB | | | | | | | |
| | ADU | Correspond | | | | | | | |
| | Machine Service life | 1,200,000 Copies or 5 years | | | | | | | |
| Material | Toner | Common to 7020/25/30 | | Common to 7020/25/30 | | Common to 7022/7130/7135 | | Specification Change | |
| | Developer | Common to 7022/7130/7135 | | Common to 7020/25/30 | | Exclusively for 7035 | | | |
| | Drum | Common to 7020/7022/7025/7030/7130/7035/7135 | | Common to 7022/7130/7135 | | Exclusively for 7135 | | | |
| External Section | Suction filter/A | No | Yes | No | Yes | | | Specification Change | |
| | Filter cover assembly | | | | | | | | |
| Read Section | Forward | 140mm/sec | | | | | | | Specification Change |
| | Scan (Life size) | 180mm/sec | | | | | | | |
| | Speed Reverse (Max) | 241mm/sec | | | | | | | |
| Write Section | Polygon motor rotational speed | 33070.9rpm | | | | | | | CPM change |
| | | 42519.6rpm | | | | | | | |
| Toner supply section | Toner conveyance /supply drive | Toner supply motor 1 switched across to the toner conveyance drive with toner bottle SD | Driven independently with toner supply motor 1 and toner supply motor 2 | Toner supply motor 1 switched across to the toner conveyance drive with toner bottle SD | Driven independently with toner supply motor 1 and toner supply motor 2 | | | Specification change | |
| | Fixing claw | 6 pieces | 4 pieces | 6 pieces | 4 pieces | 6 pieces | | | |
| Electrical Section | Intermediate conveyance sensor | No | Yes | | | | | | Specification change |
| | Toner bottle solenoid | Yes | No | Yes | No | | | | |
| | Toner supply motor 2 | No | Yes | No | Yes | | | | |
| | Developing suction fan | No | Yes | No | Yes | | | | |
| | APS sensor 1 | Yes | No | Yes | No | | Yes | | |
| | Paper exit sensor | Yes | No | Yes | No | | Yes | | |
| Control | PTC heater | Yes | No (Treated as spare parts) | Yes | No (Treated as spare parts) | | Yes | | |
| | Overall control /Image control | Exclusively for 7020 | Exclusively for 7022 | Exclusively for 7025 | Exclusively for 7030 | Exclusively for 7035 | Exclusively for 7135 | | |



LIST OF OPTIONS THAT CAN BE USED WITH THE 7020 SERIES

| Option | 7020 | 7022 | 7025 | 7030 | 7130 | 7035 | 7135 |
|--|----------------|----------------|----------------|------------|----------------|----------------|----------------|
| RADF [DF-314] | Correspond | | | | | | |
| Finisher [FS-107] | | | | | | | |
| Finisher trays [FT-107] | | | | | | | |
| Inner tray [IT-101] | | | | | | | |
| Platen cover [CV-109] | | | | | | | |
| Pedestal [DK-109] | | | | | | | |
| DB-209/409 | Correspond | Not correspond | Correspond | | Not correspond | | |
| DB-210/410 | Correspond | | | | | | |
| Key counter | | | | | | | |
| Total counter | | | | | | | |
| Printer controller [IP-011] | Correspond | | | | | | |
| Network board [KN-304] | | | | | | | |
| Expansion memory [MU-403 : 32MB] | | | | | | | |
| [MU-404 : 64MB] | | | | | | | |
| Printer controller [IP-421] | Correspond | Not correspond | Correspond | | Not correspond | Correspond | Not correspond |
| Network board [KN-303] | | | | | | | |
| Hard disk [HD-103] | | | | | | | |
| Expansion memory [MU-403 : 32MB] | | | | | | | |
| [MU-404 : 64MB] | | | | | | | |
| [MU-405 : 128MB] | | | | | | | |
| Postscript [PS-341] | | | | | | | |
| Printer controller [IP-422] | Not correspond | Correspond | Not correspond | | Correspond | Not correspond | |
| Hard disk [Field option] | | | | | | | |
| Expansion memory [MU-411 : 64MB] | | | | | | | |
| Postscript [PS-343] | | | | | | | |
| Printer controller [IP-423] | Not correspond | | | | | | Correspond |
| Hard disk [Field option] | | | | | | | |
| Expansion memory [MU-404 : 64MB] | | | | | | | |
| [MU-405 : 128MB] | | | | | | | |
| Postscript [PS-345] | | | | | | | |
| FAX control board | Correspond | Not correspond | Correspond | | Not correspond | Correspond | Not correspond |
| FK-101 | | | | | | | |
| FK-102 | | | | | | | |
| FL-102 | Correspond | | | | | | |
| E-RDH/FAX expansion memory [MU-403 : 32MB] | Correspond | | | | | | |
| [MU-404 : 64MB] | | | | | | | |
| [MU-405 : 128MB] | | | | | | | |
| MU-413 : 256MB | Not correspond | Correspond | Not correspond | Correspond | Correspond | Not correspond | Correspond |

7020 Copier/Printer System Configurator



Machine and Accessories

| Item Description | Item Number |
|--|-------------|
| 7020 Copier | 950220 |
| Platen Cover (CV-109) | 950233 |
| RADF (DF-314) | 950234 |
| Finisher (FS-107) (2-bin) | 950222 |
| Optional Finisher Output Tray (FT-107) | 950226 |
| Drawer Base w/ PFU (DB-210) | 950351 |
| Drawer Base w/LCT (DB-410) (1,500) | 950352 |
| Plain Base | 950225 |
| Fax Kit (FK-101) | 950227 |
| Windows Print Controller (IP-011) | 950228 |
| Ethernet Network Card (KN-304) ¹ | 950235 |
| Memory 32 MB (MU-403) ^{2, 3} | 950217 |
| Memory 64 MB (MU-404) ^{2, 3} | 950218 |
| Memory 128 MB (MU-405) ³ | 950219 |
| IP-421 Print Controller | 950229 |
| Ethernet Network Card KN-303 ⁴ | 950230 |
| Hard Disk Drive (HD-103) w/Scanning ⁴ | 950231 |
| Post Script Kit (PS-341) ^{4, 5} | 950232 |
| Internal Exit Tray (IT-101) 2 Trays | 950255 |

¹ For IP-011 only

² Memory for IP-011 print controller

³ Memory for ERDH (copier engine) and IP-421 print controller

⁴ For IP-421 only

⁵ Post Script requires Hard Drive (HD-103), and additional 32MB memory (MU-403)

Note: Post Script Kit PS-341 available 4th quarter.

Supplies

| Item Description | Item Number |
|------------------|-------------|
| Toner | 950236 |
| Developer * | 950237 |
| Drum Unit * | 950253 |
| Staples FS-107 | 950764 |

* Supplied with copier

| Maintenance Kit | | 950239 |
|--------------------------|--|------------------------|
| Fixing Heat Roller | | Fixing Cleaning Roller |
| Fixing Pressure Roller | | |
| Fixing Web | | |
| Heat Insulating Sleeve A | | |
| Heat Insulating Sleeve B | | |

Power Requirements:

NEMA-6-15R

115V/60Hz (15 AMP Outlet)

Dedicated Line Advised

Revised 12/18/01



Machine and Accessories

| Item Description | Item Number |
|--|-------------|
| 7025 Copier | 950250 |
| Platen Cover (CV-109) | 950233 |
| RADF (DF-314) | 950234 |
| Finisher (FS-107) (2-bin) | 950222 |
| Optional Finisher Output Tray (FT-107) | 950226 |
| Drawer Base w/PFU (DB-210) | 950351 |
| Drawer Base w/LCT (DB-410) (1,500) | 950352 |
| Plain Base | 950225 |
| Fax Kit (FK-101) | 950227 |
| Windows Print Controller (IP-011) | 950228 |
| Ethernet Network Card (KN-304) ¹ | 950235 |
| Memory 32 MB (MU-403) ^{2, 3} | 950217 |
| Memory 64 MB (MU-404) ^{2, 3} | 950218 |
| Memory 128 MB (MU-405) ³ | 950219 |
| IP-421 Print Controller | 950229 |
| Ethernet Network Card KN-303 ⁴ | 950230 |
| Hard Disk Drive (HD-103) w/Scanning ⁴ | 950231 |
| Post Script Kit (PS-341) ^{4, 5} | 950232 |
| Internal Exit Tray (IT-101) 2 Trays | 950255 |

¹ For IP-011 only

² Memory for IP-011 print controller

³ Memory for ERDH (copier engine) and IP-421 print controller

⁴ For IP-421 only

⁵ Post Script requires Hard Drive (HD-103), and additional 32MB memory (MU-403)

Note: Post Script Kit PS-341 available 4th quarter.

Supplies

| Item Description | Item Number |
|------------------|-------------|
| Toner | 950236 |
| Developer * | 950237 |
| Drum Unit * | 950253 |
| Staples FS-107 | 950764 |

* Supplied with copier

| Maintenance Kit | | 950239 |
|--------------------------|--|------------------------|
| Fixing Heat Roller | | Fixing Cleaning Roller |
| Fixing Pressure Roller | | |
| Fixing Web | | |
| Heat Insulating Sleeve A | | |
| Heat Insulating Sleeve B | | |

Power Requirements:

NEMA-6-15R

115V/60Hz (15 AMP Outlet)

Dedicated Line Advised

Revised 12/18/01

7030 Copier/Printer System Configurator



Machine and Accessories

| Item Description | Item Number |
|--|-------------|
| 7030 Copier | 950300 |
| Platen Cover (CV-109) | 950233 |
| RADF (DF-314) | 950234 |
| Finisher (FS-107) (2-bin) | 950222 |
| Finisher Output Tray for FS-107(FT-107) | 950226 |
| Drawer Base w/PFU (DB-210) | 950351 |
| Drawer Base w/LCT (DB-410) (1,500) | 950352 |
| Plain Base | 950225 |
| Fax Kit (FK-101) | 950227 |
| Windows Print Controller (IP-011) | 950228 |
| Ethernet Network Card (KN-304) ¹ | 950235 |
| Memory 32 MB (MU-403) ^{2, 3} | 950217 |
| Memory 64 MB (MU-404) ^{2, 3} | 950218 |
| Memory 128 MB (MU-405) ³ | 950219 |
| IP-421 Print Controller | 950229 |
| Ethernet Network Card KN-303 ⁴ | 950230 |
| Hard Disk Drive (HD-103) w/Scanning ⁴ | 950231 |
| Post Script Kit (PS-341) ^{4, 5} | 950232 |
| Internal Exit tray (IT-101) 2 Trays | 950255 |

¹ For IP-011 only

² Memory for IP-011 print controller

³ Memory for ERDH (copier engine) and IP-421 print controller

⁴ For IP-421 only

⁵ Post Script requires Hard Drive (HD-103), and additional 32MB memory (MU-403)

Note: Post Script Kit PS-341 available 4th quarter.

Supplies

| Item Description | Item Number |
|------------------|-------------|
| Toner | 950236 |
| Developer * | 950237 |
| Drum Unit * | 950253 |
| Staples FS-107 | 950764 |

* Supplied with copier

| Maintenance Kit | | 950239 |
|--------------------------|------------------------|--------|
| Fixing Heat Roller | Fixing Cleaning Roller | |
| Fixing Pressure Roller | | |
| Fixing Web | | |
| Heat Insulating Sleeve A | | |
| Heat Insulating Sleeve B | | |

Power Requirements:

NEMA-5-20R

115V/60Hz (15 AMP Outlet)

Dedicated Line Advised

Revised 12/18/01

7035 Copier/Printer System Configurator



Machine and Accessories

| Item Description | Item Number |
|--|-------------|
| 7035 Copier | 950350 |
| Platen Cover (CV-109) | 950233 |
| RADF (DF-314) | 950234 |
| Finisher (FS-107) (2-bin) | 950222 |
| Finisher Output Tray for FS-107(FT-107) 2 Trays | 950226 |
| Drawer Base (DB-210) (2x500 PFU) | 950351 |
| Drawer Base w/LCT (DB-410) (1,500) | 950352 |
| Plain Base | 950225 |
| Internal Exit Tray (IT-101) 2 Trays | 950255 |
| Fax Kit (FK-101) | 950227 |
| Windows Print Controller (IP-011) | 950228 |
| Ethernet Network Card (KN-304) ¹ | 950235 |
| Memory 32 MB (MU-403) ^{2, 3} | 950217 |
| Memory 64 MB (MU-404) ^{2, 3} | 950218 |
| Memory 128 MB (MU-405) ³ | 950219 |
| IP-421 Print Controller | 950229 |
| Ethernet Network Card KN-303 ⁴ | 950230 |
| Hard Disk Drive (HD-103) w/Scanning ⁴ | 950231 |
| Post Script Kit (PS-341) ^{4, 5} | 950232 |

¹ For IP-011 only

² Memory for IP-011 print controller

³ Memory for ERDH (copier engine) and IP-421 print controller

⁴ For IP-421 only

⁵ Post Script requires Hard Drive (HD-103), and additional 32MB memory (MU-403)

Supplies

| Item Description | Item Number |
|------------------|-------------|
| Toner | 950251 |
| Developer * | 950252 |
| Drum Unit * | 950253 |
| Staples FS-107 | 950764 |

* Supplied with copier

| Maintenance Kit | | 950353 |
|-----------------------------|------------------------|--------|
| Fixing Heater Roller | Fixing Cleaning Roller | |
| Fixing Pressure Roller | | |
| Fixing Web | | |
| Heating Insulating Sleeve/A | | |
| Heating Insulating Sleeve/B | | |

Power Requirements:

NEMA-5-20R

115V/60Hz (15 AMP Outlet)

Dedicated Line Advised

7022 & 7130 Copier/Printer System Configurator



Machine and Accessories

| Item Description | Item Number |
|---|-------------|
| 7022 Copier | 950240 |
| 7130 Copier | 950241 |
| Platen Cover (CV-109) | 950233 |
| RADF (DF-314) | 950234 |
| Finisher (FS-107) | 950222 |
| Optional Finisher Output Tray (FT-107) ⁸ | 950226 |
| Internal Exit Tray (IT-101) | 950255 |
| Drawer Base w/PFU (DB-210) | 950351 |
| Drawer Base w/LCT (DB-410) | 950352 |
| Plain Base | 950225 |
| Memory 256 MB (MU-413) ¹ | 950257 |
| IP-422 Print Controller ⁶ | 950242 |
| PS Kit (PS-343) | 950243 |
| Memory 64 MB (MU-411) ² | 950249 |
| 2 GB Hard Disk Drive (HD-107) ³ | 950258 |
| Fax Kit (FK-102) | 950244 |
| Dual Fax Line Option (FL-102) ⁷ | 950245 |
| Windows Print Controller IP-011 | 950228 |
| Ethernet Network I/F Card (KN-304) ⁴ | 950235 |

Supplies

| Item Description | Item Number |
|------------------------|-------------|
| Toner | 950246 |
| Developer ⁵ | 950254 |
| Drum ⁵ | 950253 |
| Staples FS-107 | 950764 |

| Maintenance Kit | 950256 |
|--------------------------|--------|
| Fixing Heat Roller | |
| Fixing Pressure Roller | |
| Heat Insulation Sleeve/A | |
| Heat Insulation Sleeve/B | |

¹ Memory for ERDH

² Memory for Print Controller

³ Required for Scanning, and 64MB memory upgrade (MU-411) is recommended.

⁴ For IP-011

⁵ Supplied with copier

⁶ Network Card is standard

⁷ Available late 2nd Quarter

⁸ Up to 2 can be added

Power Requirements: 120 V AC - ±10%

7135 Copier/Printer System Configurator



Machine and Accessories

| Item Description | Item Number |
|---|-------------|
| 7135 Copier | 950360 |
| Platen Cover (CV-109) | 950233 |
| RADF (DF-314) | 950234 |
| Finisher (FS-107) | 950222 |
| Optional Finisher Output Tray (FT-107) ⁶ | 950226 |
| Internal Exit Tray (IT-101) | 950255 |
| Drawer Base w/PFU (DB-210) | 950351 |
| Drawer Base w/LCT (DB-410) | 950352 |
| Plain Base | 950225 |
| Memory 256 MB (MU-413) ¹ | 950257 |
| IP-423 Print Controller ⁵ | 950365 |
| PS Kit (PS-345) | 950366 |
| Memory 64 MB (MU-404) ² | 950218 |
| Memory 128 MB (MU-405) ² | 950219 |
| 2 GB Hard Disk Drive (HD-107) ³ | 950258 |
| Fax Kit (FK-102) | 950244 |
| Dual Fax Line Option (FL-102) | 950245 |

Supplies

| Item Description | Item Number |
|------------------------|-------------|
| Toner | 950367 |
| Developer ⁴ | 950254 |
| Drum ⁴ | 950253 |
| Staples FS-107 | 950764 |

| Maintenance Kit | 950368 |
|--------------------------|--------|
| Fixing Heat Roller | |
| Fixing Pressure Roller | |
| Heat Insulation Sleeve/A | |
| Heat Insulation Sleeve/B | |

| Service Parts | | |
|----------------------|----------------------|----------------------|
| Standard | Receptacle | Wire Adapter |
| Part No U181-1010 | Part No U021-0020 | Part No 1206K0010 |

¹ Memory for ERDH

² Memory for Print Controller

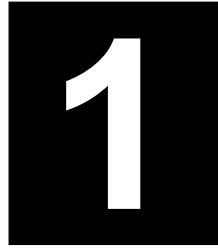
³ Required for Scanning, and 64MB memory upgrade (MU-411) is recommended.

⁴ Supplied with copier

⁵ Network Card is standard

⁶ Up to 2 can be added

Power Requirements: 120 V AC - ±10%

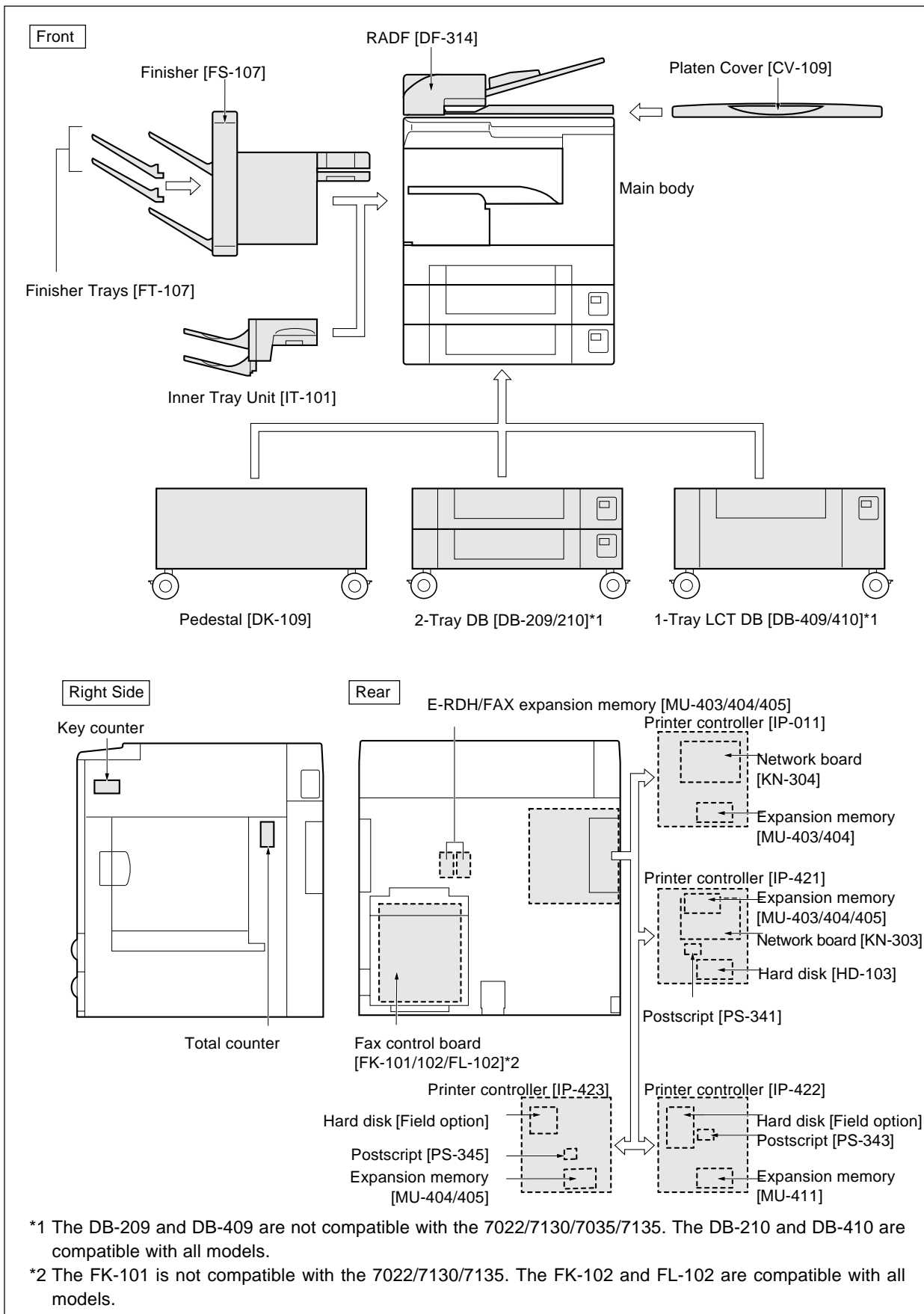


OUTLINE

Blank

OUTLINE OF SYSTEM

4



7020 SERIES PRODUCT SPECIFICATIONS

1. Type

Type: Semi-console type

Copying method: Indirect electrostatic method

Original table method:
Fixed

Original alignment: Left rear standard

Photosensitive material:
OPC

Sensitizing method:
Laser writing

Paper feed trays: Two trays
(500 sheets per tray; 22 lb.)
Multisheet bypass tray
(50 sheets; 22 lb.)
DB-209/210 (Two trays; 500 sheets/tray; 22 lb.)*
DB-409/410 (One tray; 1500 sheets; 22 lb.)*
*Option

Magnification:

Fixed magnifications:
x0.50, x0.65, x0.77, x1.00,
x1.29, x1.55, x2.00

Special ratio: Three kinds.

Zoom magnifications:
x0.25 to x4.00 (1% steps)

Vertical magnifications:
x0.25 to x4.00 (1% steps)

Horizontal magnifications:
x0.25 to x4.00 (1% steps)

Warmup time (at 68 °F, at rated voltage):
Other than 7035/7135
Within 30 seconds
7035/7135 Within 45 seconds

First copy out time:
Other than 7035/7135
Approximately 5 seconds
7035/7135 Approximately 4.2 seconds

2. Functions

Originals: Sheets; book; solid object

Original size: A3, 11x17 maximum

Copy sizes: A3 to A5, 11x17 to 5.5x8.5

| | U.S.A. | Europe and others |
|--------------|--|---|
| Tray1 | 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, F4, B4, A4, A4R, B5R, A5R | B4, A4, A4R, B5, B5R, A5R, F4, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, |
| Tray2 | 11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, A3, A4, A4R, A5R, B5, B5R, F4 | A3, B4, A4, A4R, B5, B5R, A5R, 11 × 17, 8.5 × 11, 8.5 × 11R, F4 |
| By-pass tray | 11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, A3, A4, A4R, A5R, B5, B5R, F4 | A3, B4, A4, A4R, B5, B5R, A5R, 11 × 17, 8.5 × 11, 8.5 × 11R, F4 |

ADU usable paper size:

| U.S.A. | Europe and others |
|---|---|
| 11 × 17, 8.5 × 14, 8.5 × 11, 8.5 × 11R, 5.5 × 8.5, A3, A4, A4R, A5R, B5, B5R, F4 | A3, B4, A4, A4R, B5, B5R, A5R, 11 × 17, 8.5 × 11, 8.5 × 11R, F4 |

Continuous copy speed (life size copies/min):

7020 20copies/minute
7022 22copies/minute
7025 25copies/minute
7030/7130 30copies/minute
7035/7135 35copies/minute

Continuous copy count:

1 to 999

Copy density selections: manual (9 steps), AE

Arbitrary density (2 modes)

Resolution: 600 dpi x 600 dpi

ERDH memory: Standard 32 MB
Maximum 288 MB

3. Applicable Copy Paper

Plain paper: 16 to 24 lb. high-quality paper

Special paper: Label paper
(bypass feed only) OHP film
Blueprint master paper
Recycled paper
14 to 16 lb. high quality paper
24 to 36 lb. high quality paper

4. Options

Caution: For details of the correspondence between each of the following options and the main body, refer to the "LIST OF OPTIONS THAT CAN BE USED WITH THE 7020 SERIES".

| | |
|-------------------------------------|---|
| RADF: | DF-314 |
| Finisher: | FS-107 |
| Drawer base unit: | DB-209*/210 (2-tray) DB-409*/410 (1-LCT) *Not applicable to machines other than the 7020/25/30. |
| Inner tray unit: | IT-101 |
| Finisher trays: | FT-107 Install up to two trays into FS-107 |
| Pedestal: | DK-109 |
| Platen cover: | CV-109 |
| Key counter | |
| Total counter | |
| Expansion memory unit: | |
| For ERDH/FAX memory expansion | |
| MU-403 : | 32MB DIMM |
| MU-404 : | 64MB DIMM |
| MU-405 : | 128MB DIMM |
| Expansion memory for IP-011 printer | |
| MU-403 : | 32MB DIMM |
| MU-404 : | 64MB DIMM |
| Expansion memory for IP-421 printer | |
| MU-403 : | 32MB DIMM |
| MU-404 : | 64MB DIMM |
| MU-405 : | 128MB DIMM |
| Expansion memory for IP-422 printer | |
| MU-411 : | 64MB DIMM |
| Expansion memory for IP-423 printer | |
| MU-404 : | 64MB DIMM |
| MU-405 : | 128MB DIMM |
| Printer controller: | IP-011/421/422 |
| Fax control board: | FK-101/102 |
| Network board: | KN-303 Ethernet network for IP-421 |
| Network board: | KN-304 Ethernet network for IP-011 |
| Hard disk: | HD-103 Hard disk for the IP-421 |
| Postscript: | PS-341 PostScript for the IP-421 |

| | |
|-------------|-------------------------------------|
| Postscript: | PS-343 PostScript for the IP-422 |
| Postscript: | PS-345 PostScript for the IP-423 |

5. Machine Data

| | |
|---------------------|--|
| Power supply: | 120 VAC \pm 10% (for U.S.A.) 220 to 240 VAC 10% (for Europe) |
| Power consumption: | Maximum 1170W (only main body) |
| Weight: | Approximately 158 lb. |
| Machine dimensions: | |
| Width: | 23.4 in. |
| Depth: | 23.4 in. |
| Height: | 32.7 in. (With DF) |

6. Maintenance

| | |
|-----------------------|--------------------|
| Periodic maintenance: | Per 100,000 copies |
|-----------------------|--------------------|

7. Consumables

For 7020/25/30

| | |
|------------|--|
| Developer: | Exclusively for Konica 7020/25/30 |
| Toner: | Exclusively for Konica 7020/25/30 |
| Drum: | Exclusively for Konica 7020/25/30 (ϕ 60) |

For 7035

| | |
|--------------|------------------------------------|
| Developer: | Exclusively for Konica 7035 |
| Toner: | Exclusively for Konica 7035 |
| Drum (Note): | Common to Konica 7020 (ϕ 60) |

For 7022/7130

| | |
|--------------|---|
| Developer: | Exclusively for Konica 7022/7130 |
| Toner: | Exclusively for Konica 7022/7130 |
| Drum (Note): | Common to 7020 (ϕ 60) |
| Note: | Common with the 7020/25/30. However, items which do not have 7022,7130,7035 listed on the package box should not be used. |

For 7135

| | |
|--------------|--|
| Developer: | Common to Konica 7022/7130 |
| Toner: | Exclusively for Konica 7135 |
| Drum (Note): | Common to Konica 7022/7130 (ϕ 60) |

Note: Common with the 7020/25/30. However, items which do not have 7022,7130,7035 listed on the package box should not be used.

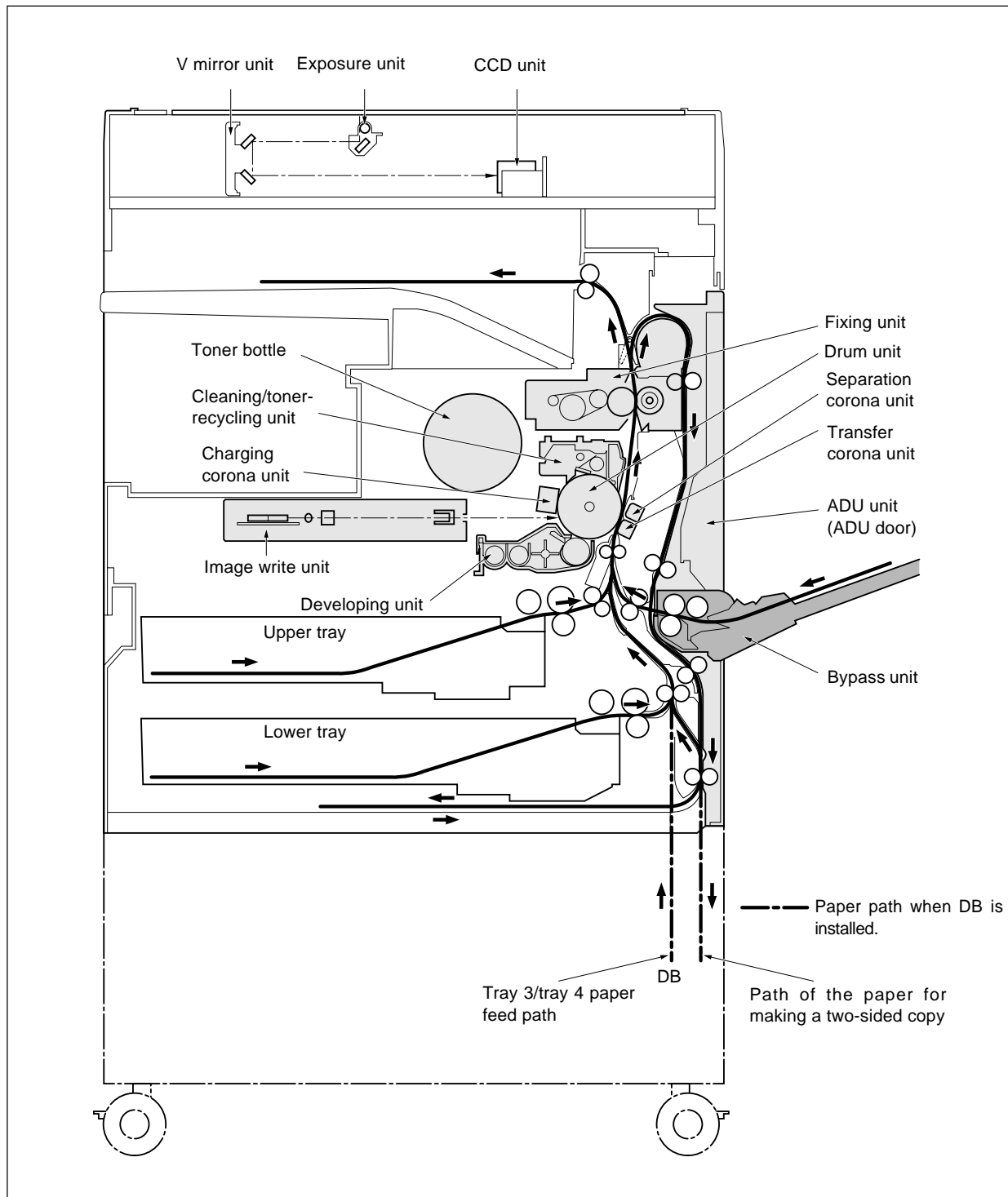
8. Environmental Conditions

Temperature: 50 to 86°F

Humidity: 10 to 80% RH

Note: Specifications are subject to change without notice.

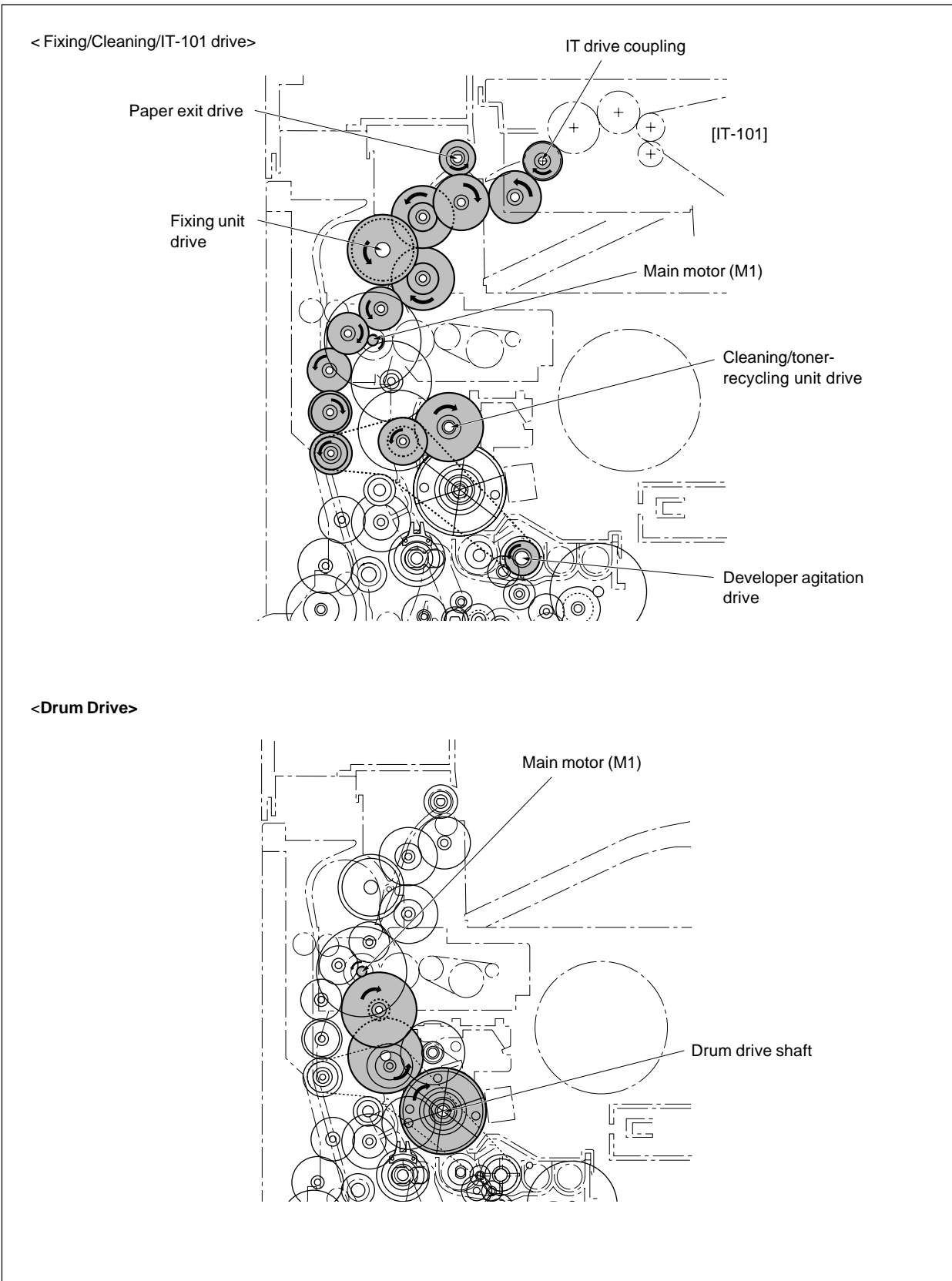
CENTER CROSS SECTION



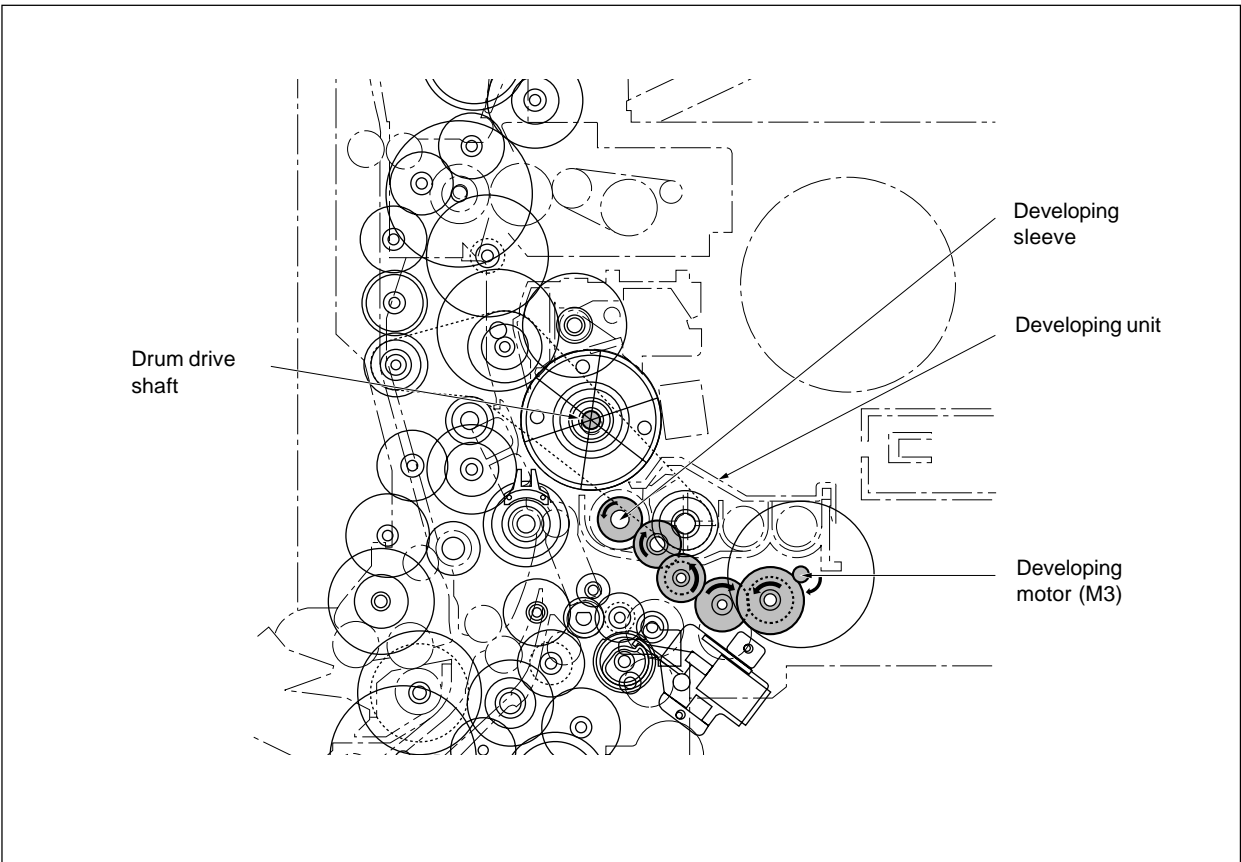
DRIVE SYSTEM DIAGRAM

[1] Main Drive

2



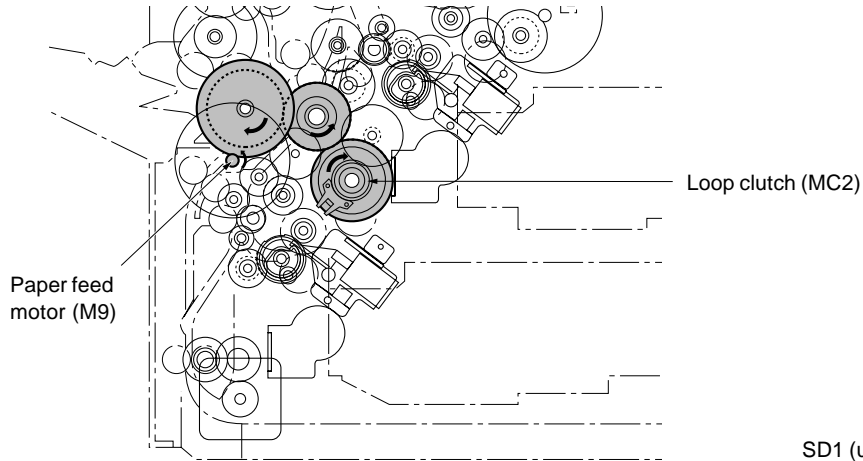
[2] Developing Drive



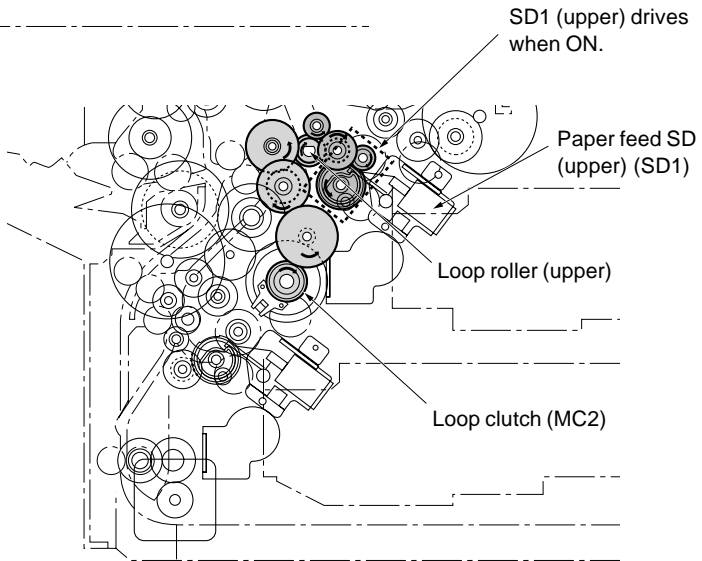
[3] Paper Feed Drive



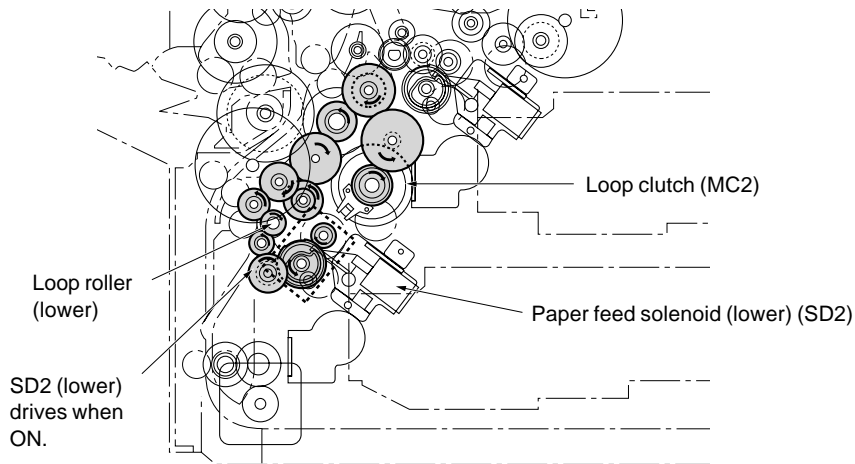
Drive from paper feed motor to loop clutch



Drive from loop clutch
a. Upper tray drive

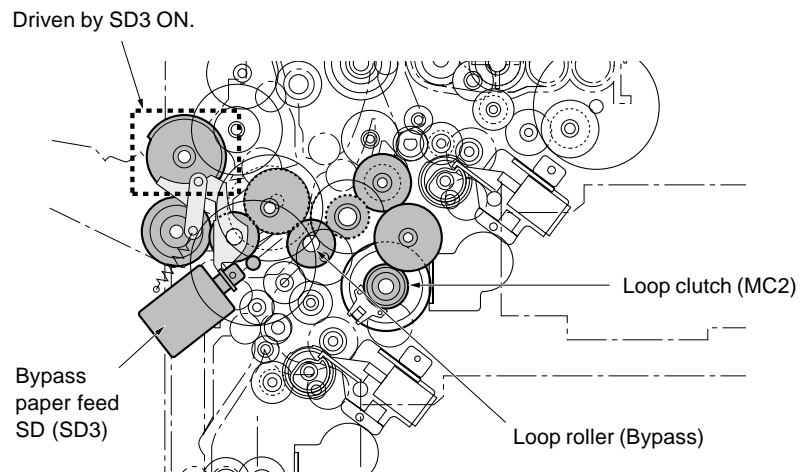


b. Lower tray drive

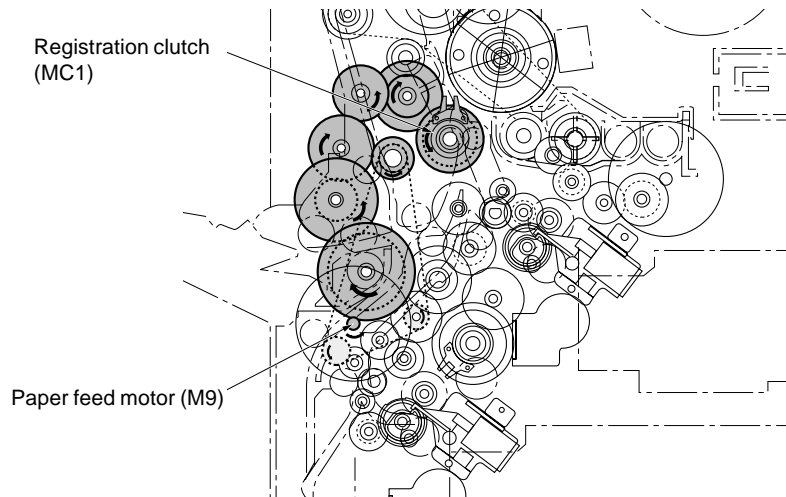




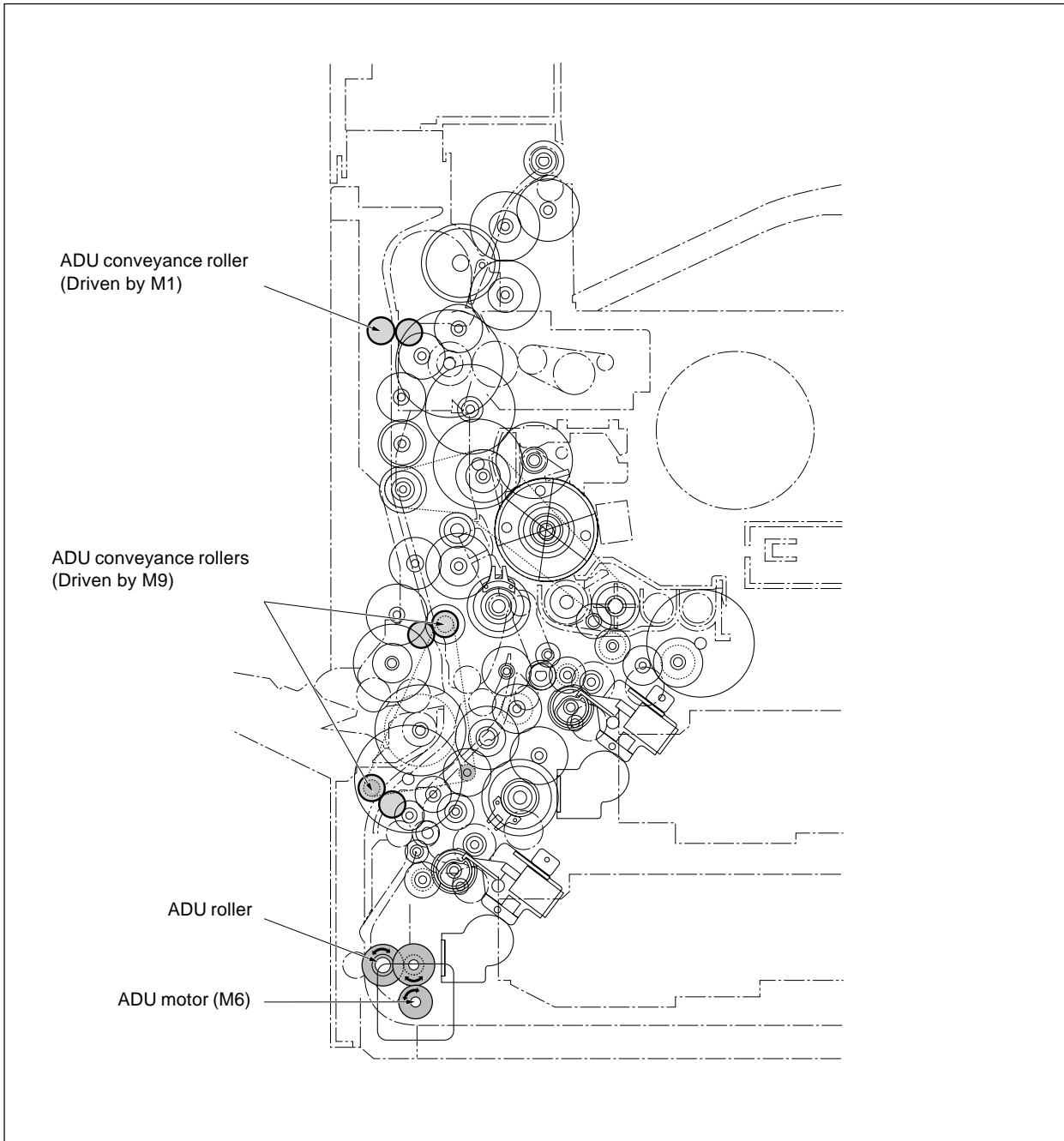
c. Bypass feed drive



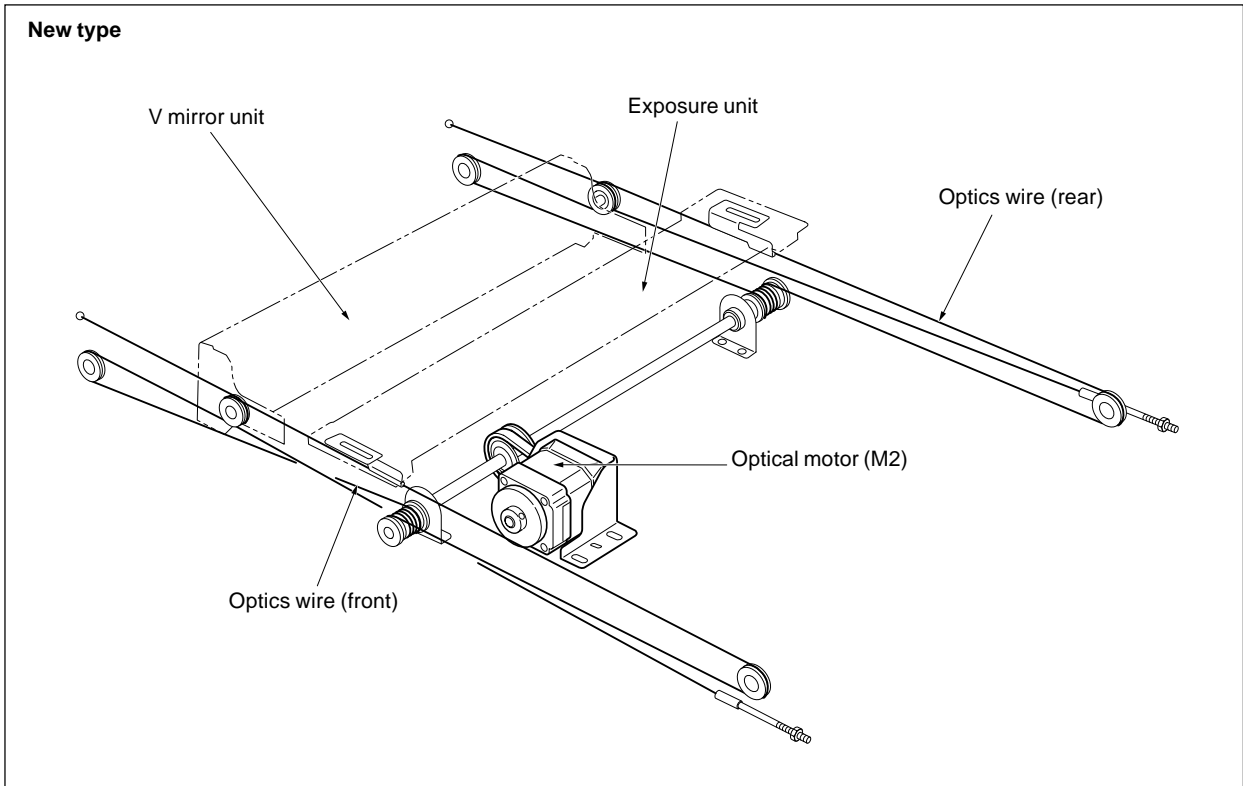
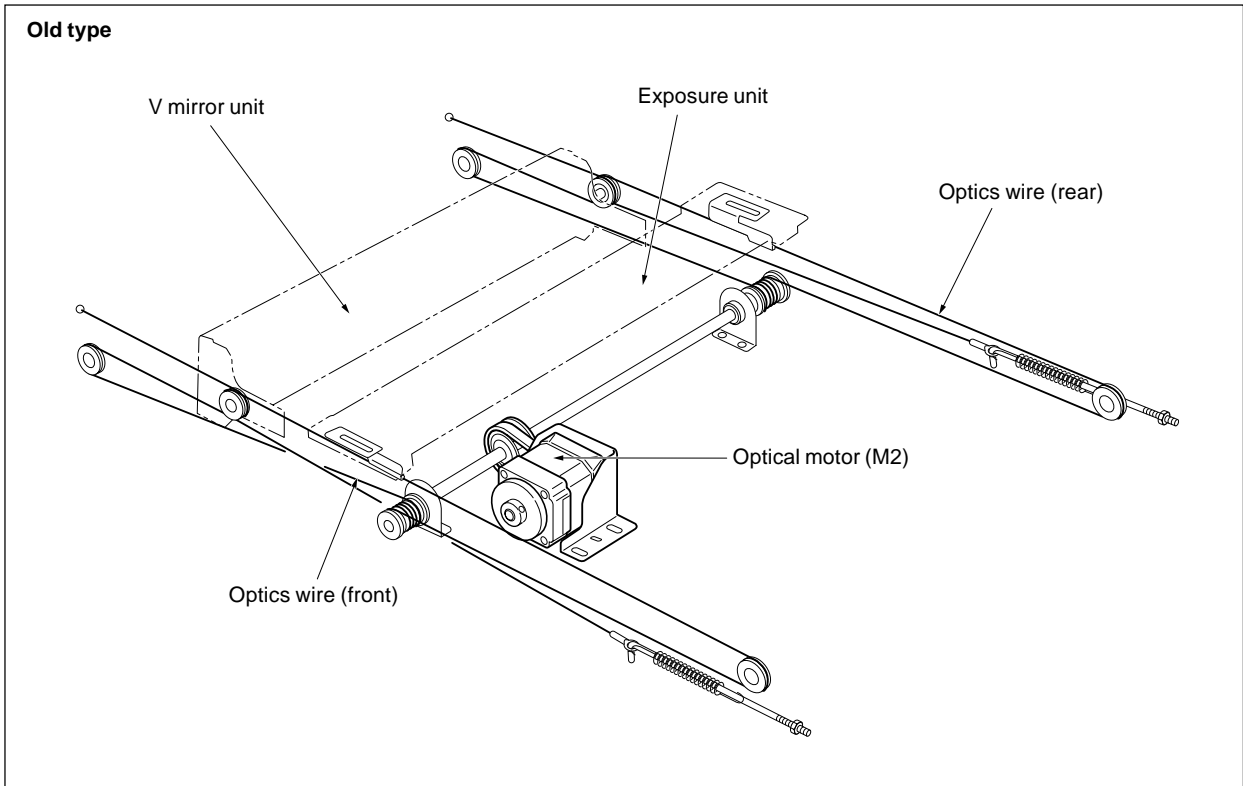
Registration clutch drive



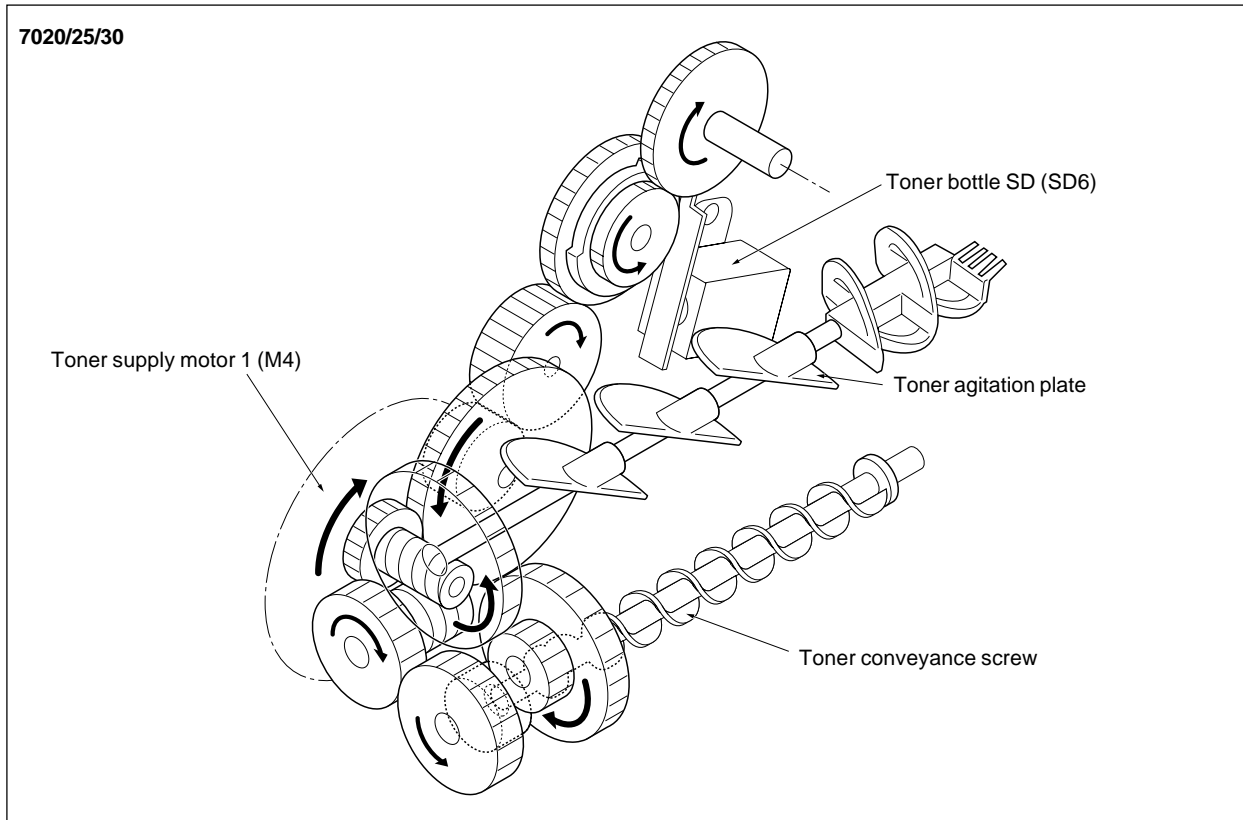
[4] ADU Drive



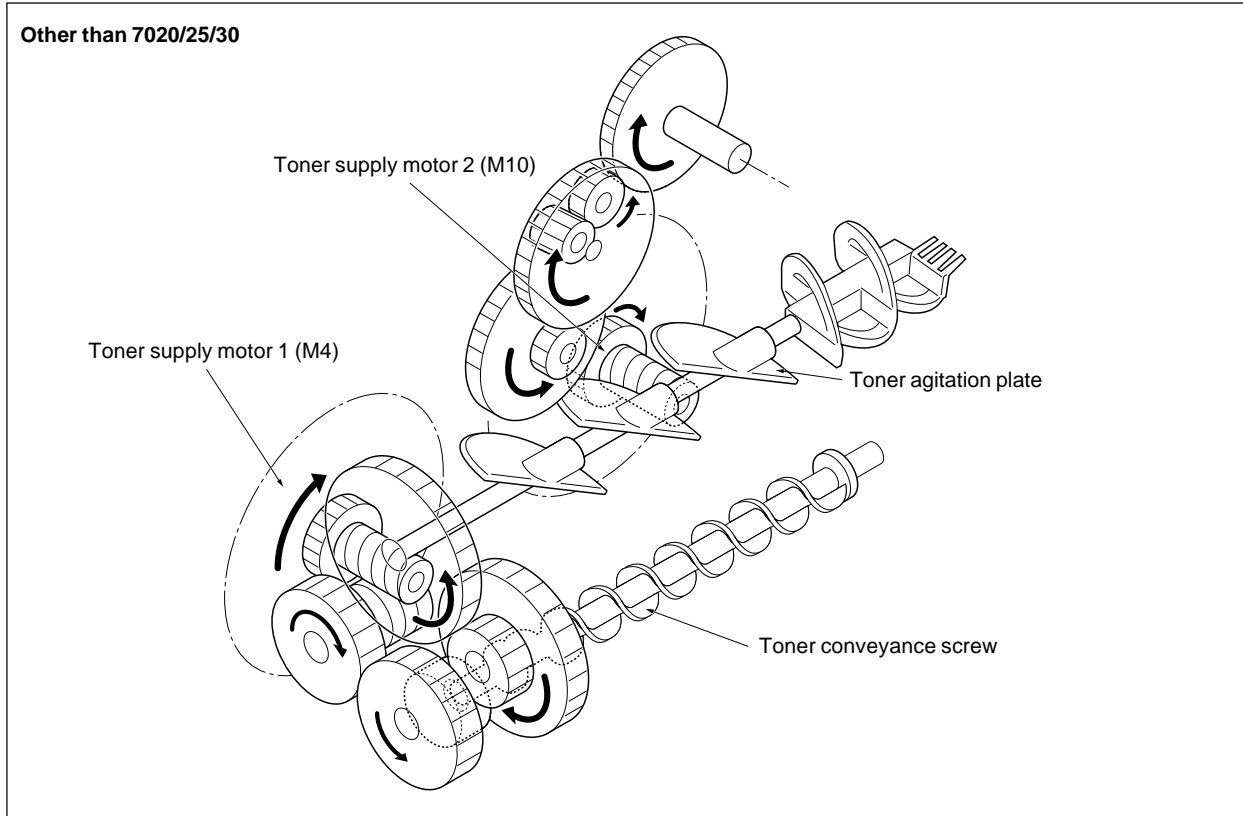
[5] Reading Drive



[6] Toner Supply Drive



3

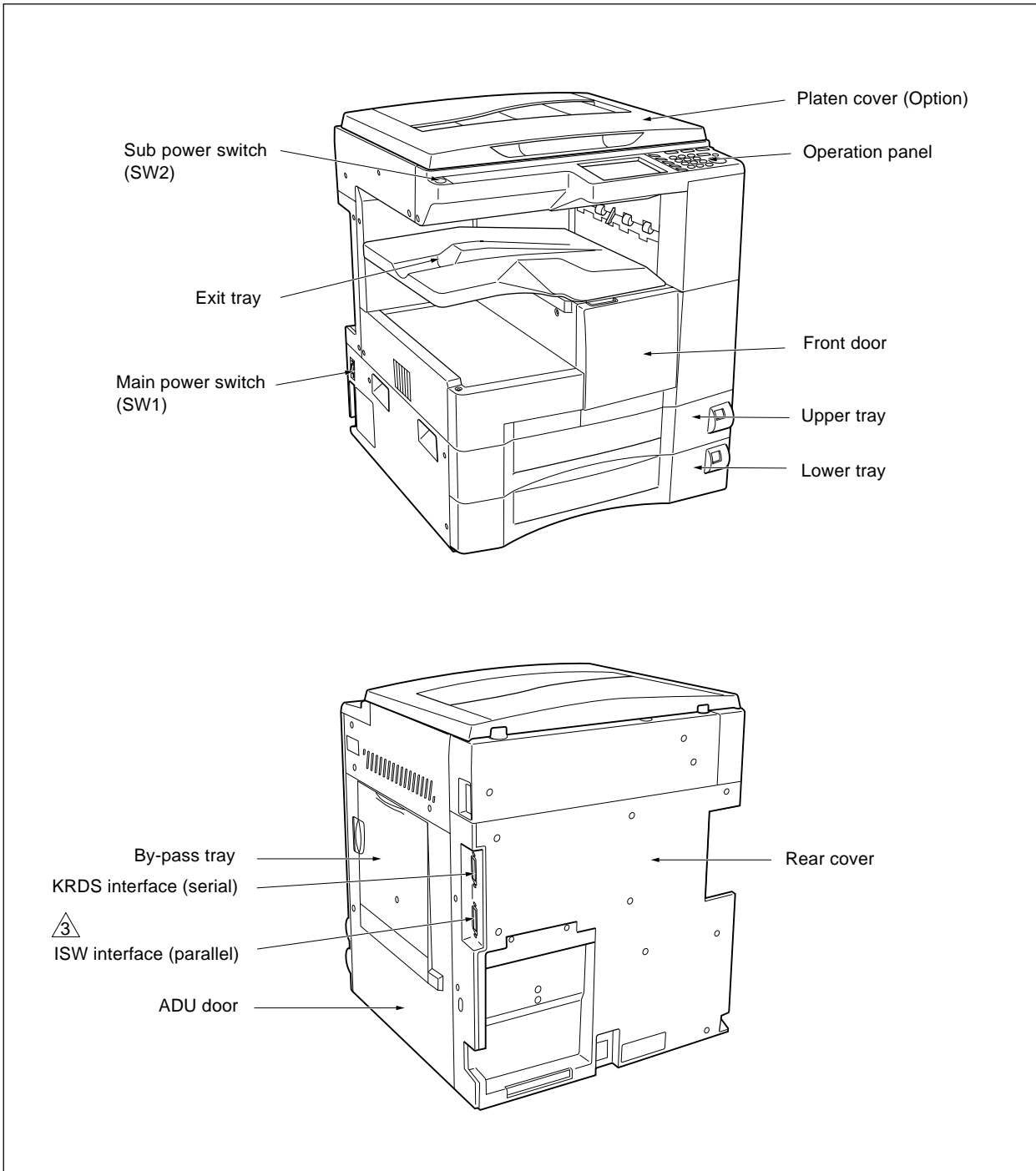


2

UNIT EXPLANATION

EXTERNAL SECTION

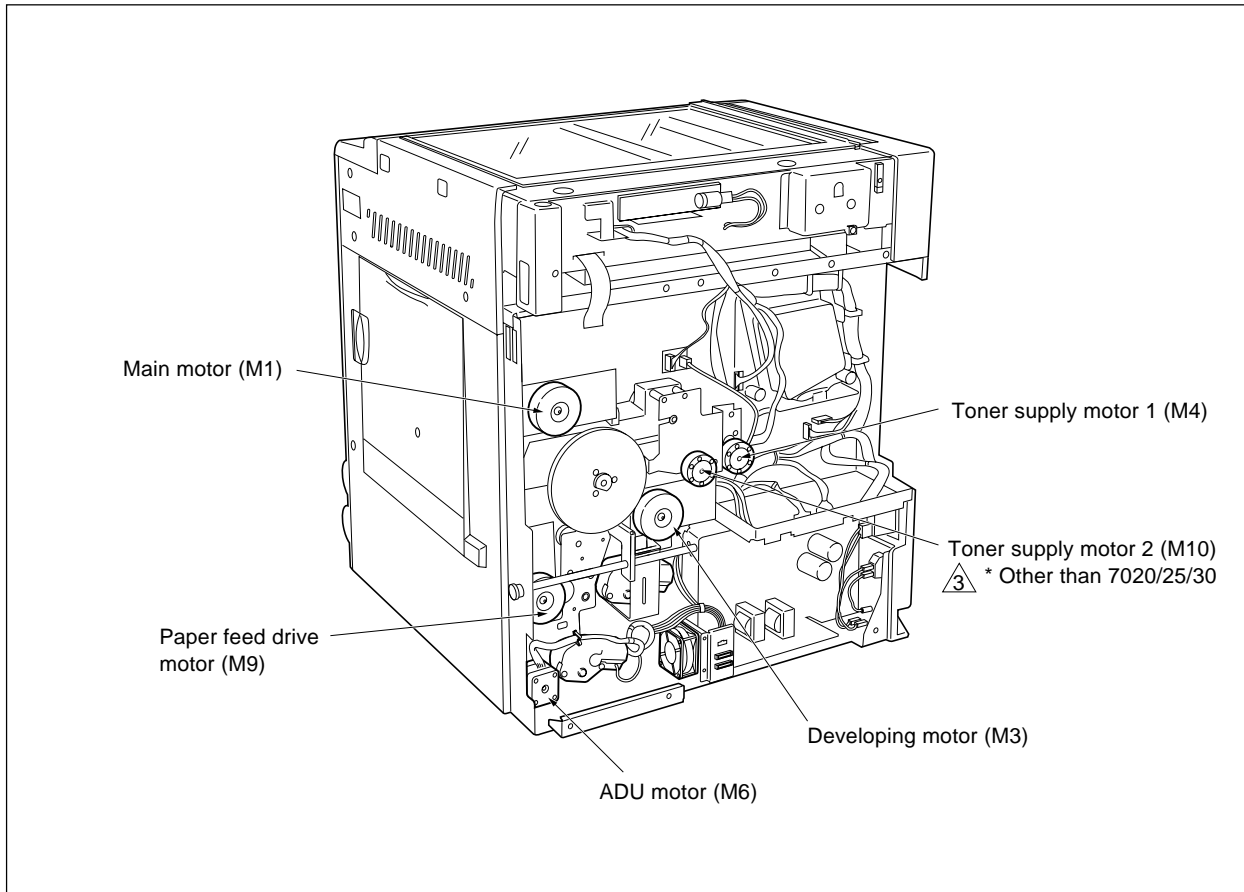
[1] Composition



Blank

DRIVE SECTION

[1] Composition

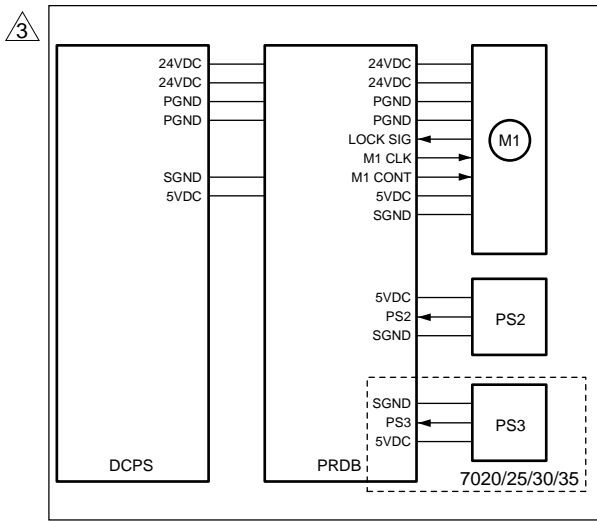


[2] Mechanisms

| Mechanism | Method |
|--|--------------------|
| Drum, Conveyance, Developer agitation, Fixing, and exit drive, ADU conveyance drive, IT conveyance/exit drive (when installing IT) | Gear drive (M1) |
| Developing sleeve drive | Gear drive (M3) |
| Paper feed drive, ADU conveyance drive | Gear drive (M9) |
| Toner supply drive | Gear drive (M4) |
| Toner bottle rotation drive (Other than 7020/25/30) | Gear drive (M10) |
| ADU drive | Gear drive (M6) *1 |

△

[3] M1 (Main Motor) Control



M1 (main motor) is controlled by the PRDB (printer drive board).

1. Operation

M1 is a brushless motor running on 24 VDC. It drives the 2nd paper feed, fixing, drum, toner conveyance screw and toner recycle screw, and also drives part of the developer agitation screw, IT drive coupling and the ADU conveyance section.

When IT is installed, M1 drives IT conveyance section and also drives the paper exit section via the IT drive coupling.

M1 includes an internal speed sensor, and utilizes PLL control to maintain constant speed. Rotational speed is controlled by a reference clock signal output by PRDB.

- ⚠ M1 comes ON when the START button is pressed, and goes OFF at a predetermined time interval after PS3 (paper exit PS) (PS2 (fixing exit PS) in the case of machines other than 7020/25/30/35) goes OFF for the final copy.

At warmup start, M1 comes ON. only during initial drum charging.

2. Signals

a. Input signals

- (1) LOCK SIG (M1 → PRDB)
A monitoring signal for the rotation of M1.
Goes [L] when M1 rotation reaches the rated speed.
[H]: Stopped, or rotating at other than rated speed.
[L]: Rotating at rated speed. (PLL: stable)

- ⚠ (2) PS2 (PS2 → PRDB)
Paper fixing unit exit passage detection signal
[H] when paper is detected.

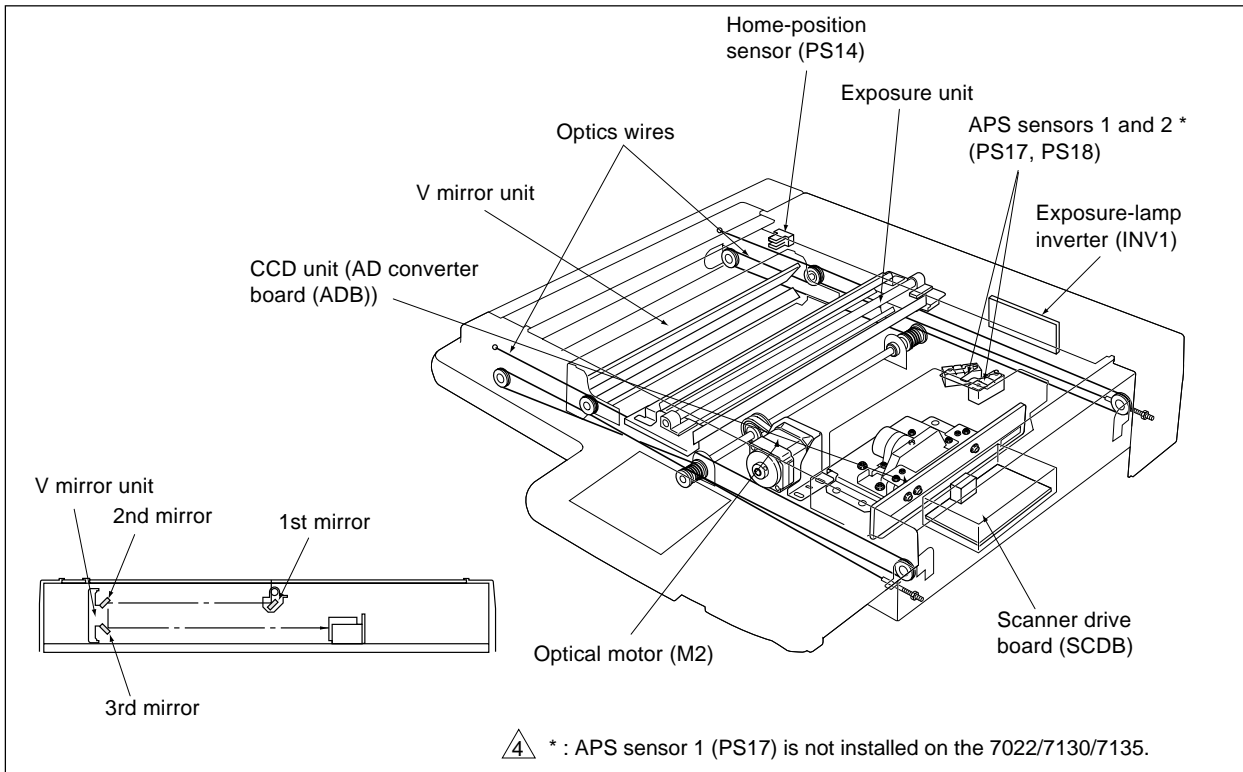
- ⚠ (3) PS3 (PS3 → PRDB)(Only for 7020/25/30/35)
Paper exit passage detect signal

b. Output signals

- (1) M1 CONT (PRDB → M1)
M1 drive control signal.
[L]: M1 ON
[H]: M1 OFF
- (2) M1 CLK (PRDB → M1)
Reference clock for M1 rotation control.

READ SECTION

[1] Composition

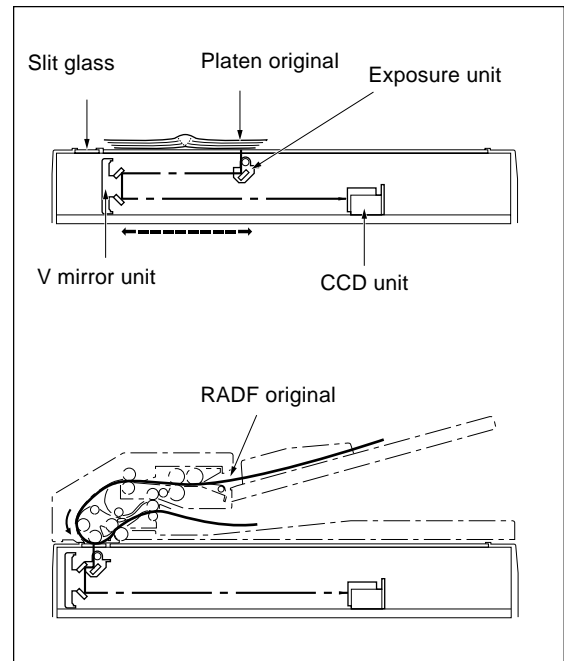


[2] Mechanisms

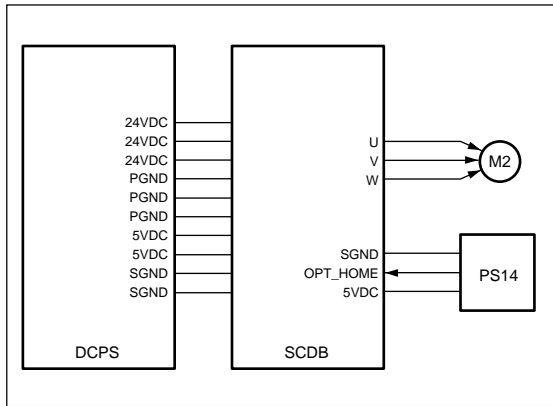
| Mechanism | Method |
|-------------------|--|
| Light source | Xenon lamp |
| Exposure | Light source slit exposure |
| Scanning * | Platen original scanning: Movement of 1st, 2nd, and 3rd mirrors. RADF original scanning: Original is moved with light source held stationary. |
| Lamp power supply | Lamp cord |

* Platen and RADF scans operate as follows.

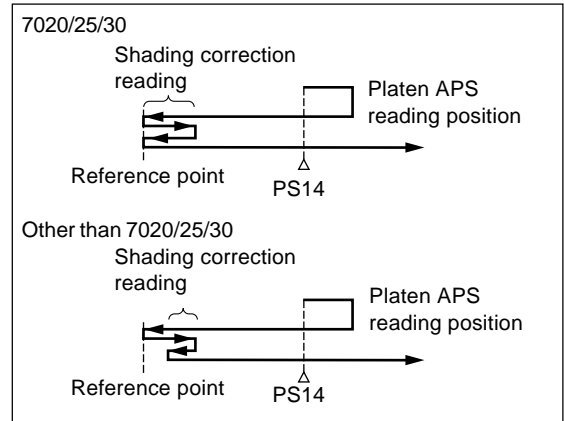
- a. Platen original: The original is placed on the platen glass, and reading is accomplished by movement of the exposure unit and V mirror unit.
- b. RADF original: The exposure unit and V mirror unit are shifted under slit glass, and the original is scanned as it passes over the exposure unit.



[3] M2 (Optical Motor) Control



(1) When PS14 is turned ON



M2 (optical motor) is controlled by the SCDB (scanner drive board). A related signal is provided by PS14 (optics home position PS).

1. Operation

a. Operation of M2

M2 is a 3 phase stepping motor running on 24VDC. This motor drives the exposure unit so as to implement scanning. Forward rotation, reverse rotation, and rotation speed are switched as necessary to carry out each scan cycle.

The exposure unit's home position is detected by PS14. M2 operation (drive time span and drive direction) is controlled by time count after PS14 ON or PS14 OFF.

b. Exposure unit's scan speed

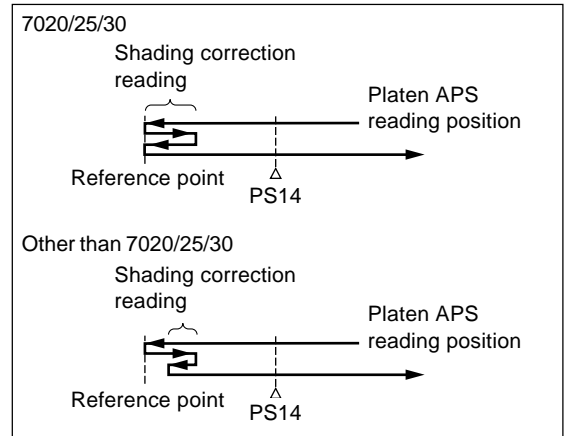
④ Scan Speed

| | Scan Speed |
|---------|---|
| Forward | <Other than 7035/7135> 140mm/sec (1:1 magnification) <7035/7135> 180mm/sec (1:1 magnification) |
| Reverse | <Other than 7035/7135> 241mm/sec (max) <7035/7135> 310mm/sec (max) |

c. Initial operation when power is turned ON

When SW2 (sub power switch) comes ON, the exposure unit starts a home position search. The search procedure differs according to whether PS14 is ON or OFF. Upon completing the search, the exposure unit stands by at the platen mode's APS reading position.

(2) When PS14 is goes OFF



d. Shading correction reading

Shading correction read out is implemented using the white reference plate attached beneath the glass stopper plate. Shading correction is executed when SW2 comes ON.

④ In the case of the 7035/7135, shading correction is performed when SW2 is turned ON, and also during each scanning job.

e. Exposure scanning modes

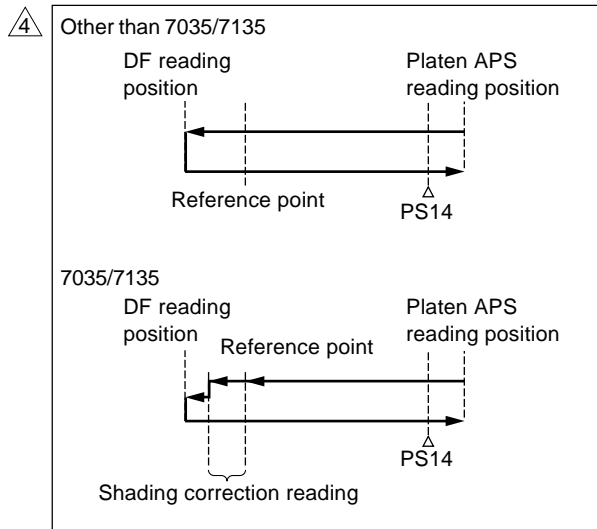
Two modes are implemented: platen mode and DF mode.

In platen mode, the exposure unit moves as necessary to scan the original. In DF mode, the RADF side moves the original while the exposure unit stays fixed in a specified position (the DF reading position).

f. Operation in DF mode

- 4 The read position in the DF mode is on the paper exit side of PS14, and the exposure unit moves from the standby position (platen APS read position) to the DF read position. In the case of the 7035/7135, shading correction takes place while the exposure unit is moving to the DF read position.

It then returns to the platen APS reading position after completing the original scan and again enters standby.



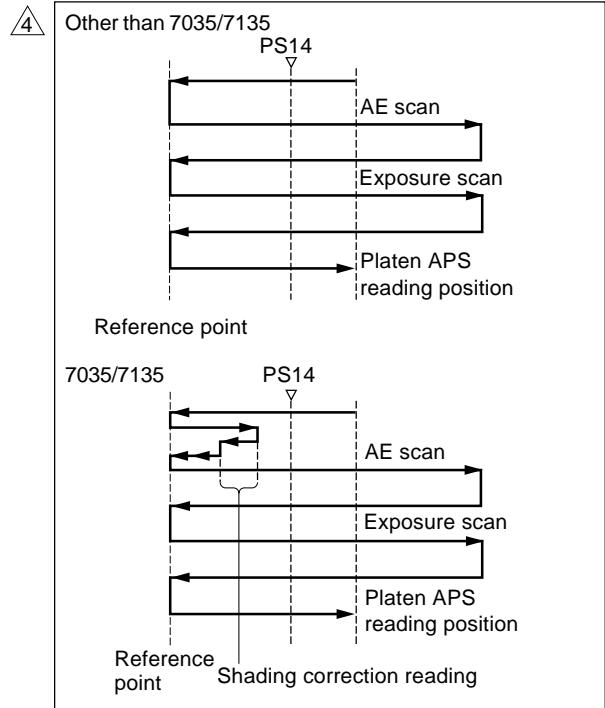
g. Operation in platen mode

In this mode, the scan sequence depends on the copy density selection (either AE or manual).

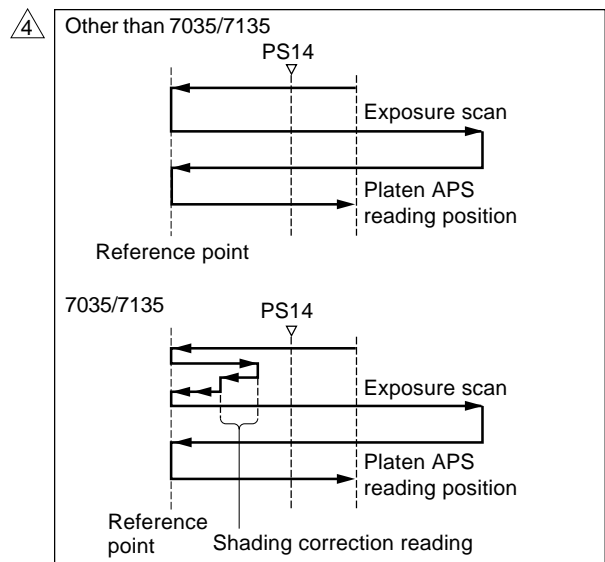
When the start button is pressed

- 4 When the AE mode is selected, the AE scan takes place. When the AE mode is not selected, an exposure scan takes place immediately. In the case of the 7035/7135, shading correction is performed before the commencement of scanning, for all operations. After completing the scan, exposure unit turns to the platen APS reading position.

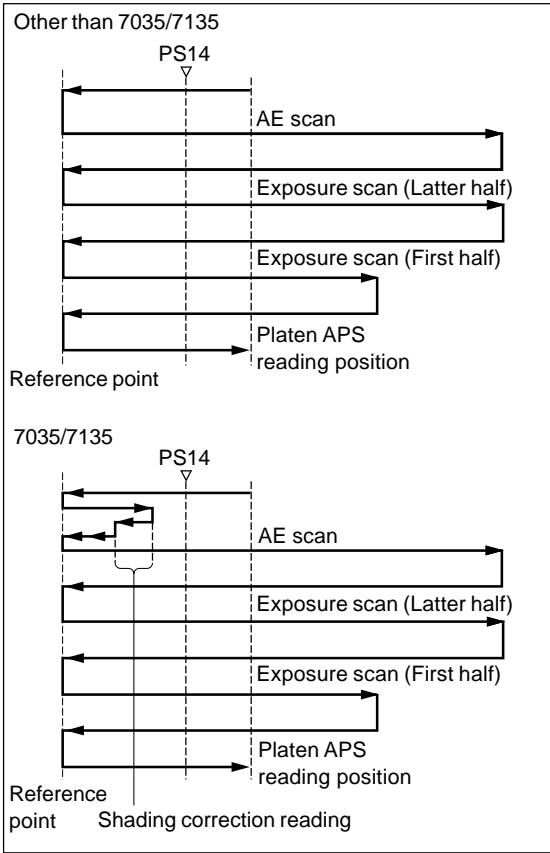
(1) AE mode



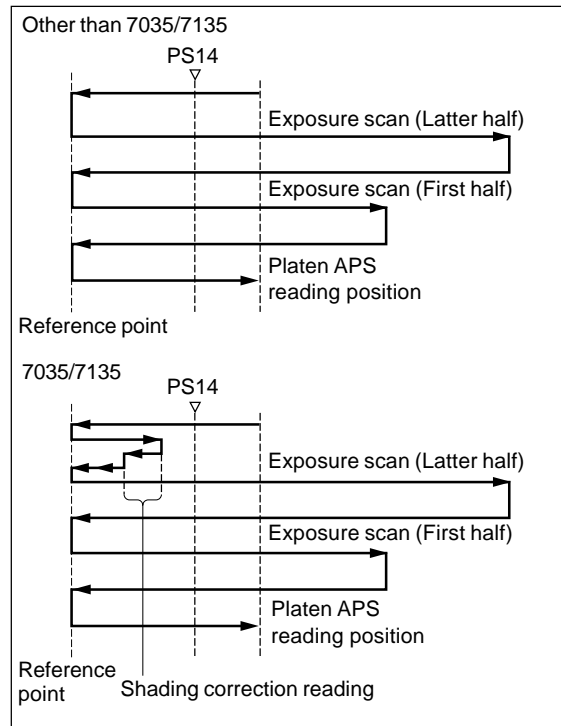
(2) Manual copy mode



⚠ (3) Dual page (AE mode, Left binding) mode



⚠ (4) Dual page (Manual mode, Left binding) mode



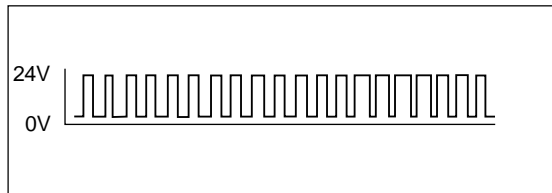
2. Signals

a. Input signal

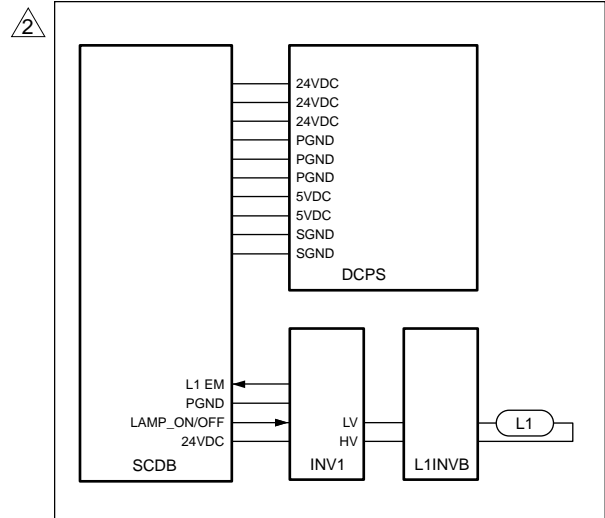
- (1) OPT_HOME (PS14 → SCDB)
Exposure unit's home position detect signal.
[L]: Exposure unit is in home position.
[H]: Exposure unit out of home position.

b. Output signal

- (1) M2 U, V, W (SCDB → M2)
M2 (Optical motor) ON/OFF drive signals.



[4] Exposure Control



Power for L1 (exposure lamp) is supplied by INV1 (exposure lamp inverter). This action is controlled by the SCDB (scanner drive board).

1. Operation

L1 is a xenon lamp, and is driven by an inverter circuit. Since the xenon lamp provides a stable light intensity with low heat generation, it does not require light intensity control circuit or overheat protection circuit.

2. Signals

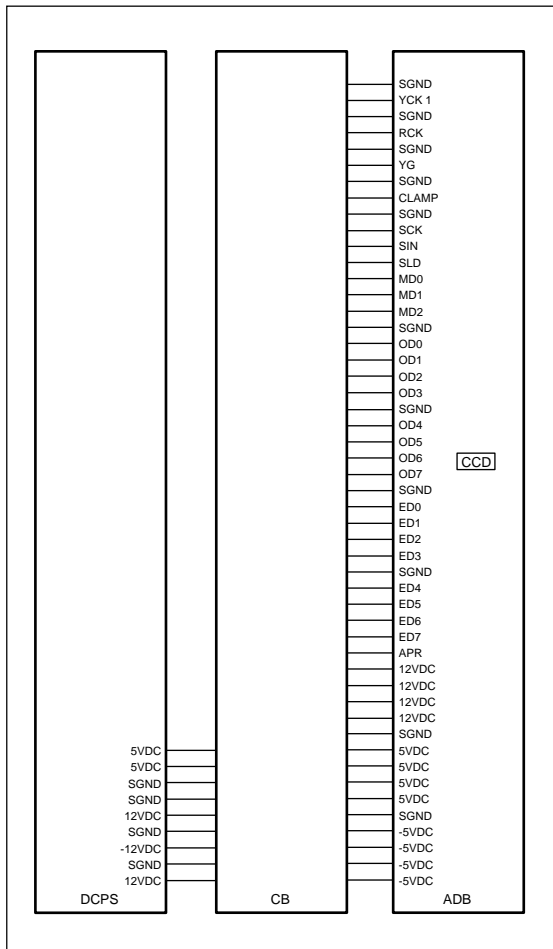
a. Input signal

- (1) L1 EM (INV1 → SCDB)
1NV1 error detect signal
Enabled only when LAMP_ON/OFF is ON [L].
[L]: L1 ON
[H]: L1 OFF
* L1 EM is always High when LAMP_ON/OFF is OFF [H].

b. Output signal

- (1) LAMP_ON/OFF (SCDB → INV1)
L1 ON/OFF control signal.
[L]: L1 ON
[H]: L1 OFF

[5] Original Reading Control



Original reading is carried out by the CCD sensor on the ADB (A/D conversion board).

1. Operation

The light from the exposure lamp reflects back from the original, passes through a lens, and hits the CCD sensor. The CCD sensor generates an analog electrical signal corresponding to the light intensity. The ADB (A/D conversion board) then converts this signal into a digital signal.

a. Original reading

The reading timing is as follows.

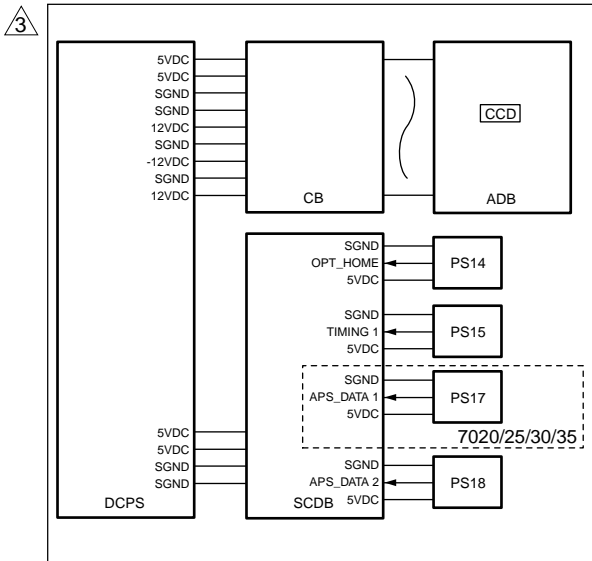
(1) Platen mode

Reading starts at a predetermined time interval after the START button is pressed and when the exposure unit has moved 6mm in the paper feed direction after PS14 (optics home position) goes OFF.

(2) DF mode

- ⚠ When the leading edge of the original turns ON PS311 (original registration PS) then moves a further 24.1 mm.

[6] APS Control



APS detection is carried out at opening or closing of the RADF cover or original cover, and is controlled by the SCDB (scanner drive board) based on signals from the APS sensors and CCD sensor. Related signals are provided by PS14 (optics home position PS), PS15 (APS timing PS) and by PS304 (DF open/close PS) on the RADF.

1. Operation

a. APS detect operation

APS detection operation differs according to whether operation is in platen mode or DF mode.

(1) Platen mode

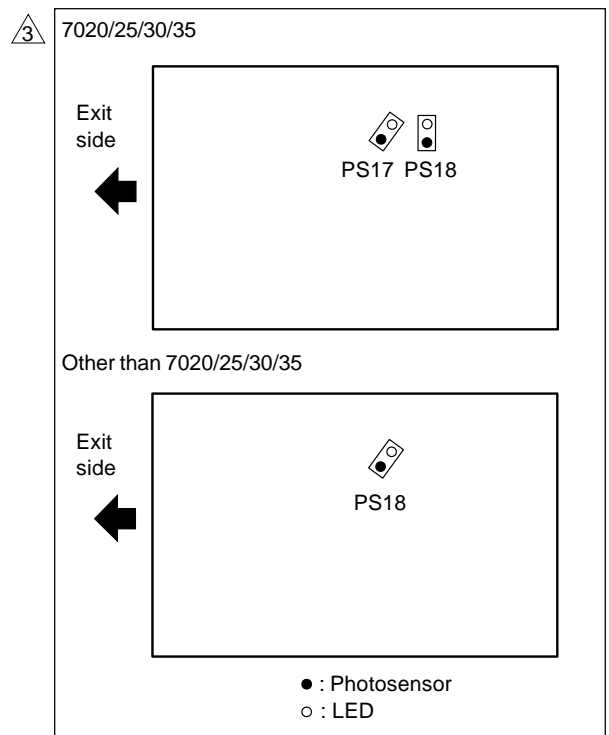
Caution : In the case of machines other than 7020/25/30/35, the PS17 (APS sensor 1) is not installed.

Size is detected by the combination of the ON/OFF action of PS17 and PS18 (APS sensor 2) and the detect signal from the CCD sensor on the ADB (A/D conversion board).

PS17 and PS18 detect the original size in the sub scanning direction, while the CCD sensor detects the size in the main scanning direction.

L1 is ON during APS detection, so that the illumination level (light or dark level) in the main scanning differs according to whether the original is present or absent. To detect line width (main scanning width), the CCD sensor detects the difference from sky shot black level to paper edge white level at each side. If the RADF is installed, original size detection in the main scanning is reexecuted when PS304 (DF open/close PS) comes ON, so as to confirm the original size.

The two APS sensors (PS17 and PS18) each consist of a photosensor and a LED. If the original is present at the sensor position, the light generated by the LED reflects from the original and is detected by the photosensor



(2) DF mode

Original size detection is carried out by ON/OFF action of PS306 (original size detect PS 1), and PS307 (original size detect PS 2), and by the resistance level of VR301 (original size detect VR) located in the RADF paper feed tray.

The following table shows the relation between the PS sensors and detected original sizes.

| Sensor Original Size | PS17 PS306 | PS18 PS307 |
|-------------------------|---------------|---------------|
| A3 | ON | ON |
| 11 × 17 | ON | ON |
| B4 | ON | ON |
| 8.5 × 14 | ON | ON |
| F4(8.5 × 13R) | ON | ON |
| 8.5 × 11R | ON | OFF |
| A4R | ON | OFF |
| A4 | OFF | OFF |
| 8.5 × 11 | OFF | OFF |
| B5 | OFF | OFF |
| A5 | OFF | OFF |
| B5R | OFF | OFF |
| A5R | OFF | OFF |
| B6R | OFF | OFF |

ON : Original detected
 OFF : Original not detected

⚠ Caution : In the case of machines other than the 7020/25/30/35, read PS17 in the above table as PS18. Also, note that the ON/OFF operation due to PS18 in the table does not take place.

b. APS detection timing

APS detection timing differs according to whether operation is in platen mode or DF mode.

(1) Platen mode

Detection is carried out when PS15 (APS timing PS) comes ON.

- If the RADF is installed, detection is carried out again when PS304 (DF open/close PS) comes ON.
- If the platen cover or RADF is open, detection is carried out when the START button comes ON.

(2) DF mode

If DF mode has been selected or if an original is set in the RADF paper feed tray, detection is carried out using PS306 (original size detect PS 1), PS307 (original size detect PS 2), and VR301 (original size detect VR).

2. Signals

a. Input signals

(1) TIMING1 (PS15 → SCDB)

RADF cover or platen cover open/close detect signal.

[L]: ON (Execute APS)

[H]: OFF (Cancel APS)

(2) APS_DATA1 (PS17 → SCDB)

⚠ (7020/25/30/35 only)

Original size detect signal.

[L]: Original detected.

[H]: Original not detected.

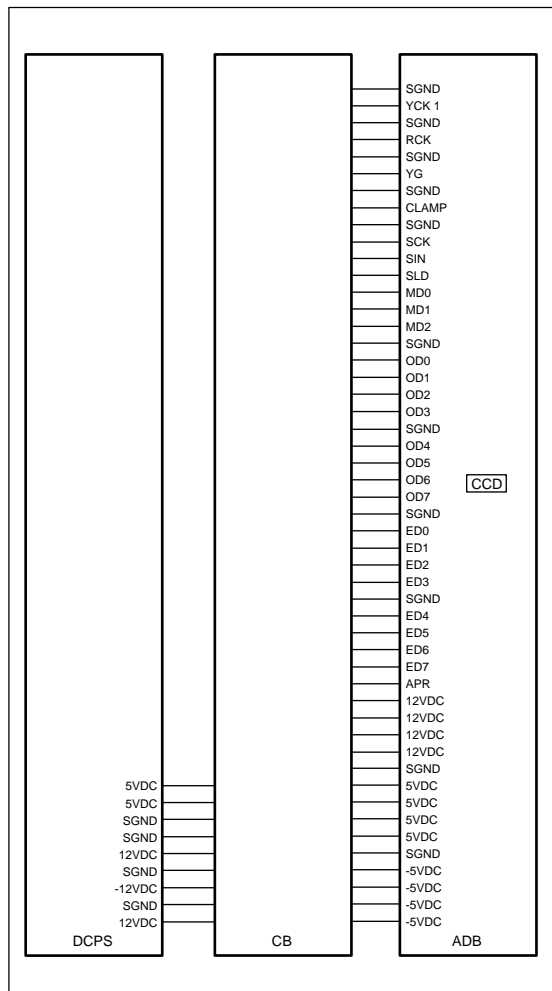
(3) ASP_DATA2 (PS18 → SCDB)

Original size detect signal.

[L]: Original detected.

[H]: Original not detected.

[7] AE Control



During AE scan, the CCD sensor on the ADB (A/D conversion board) reads the density level of the original. The CPU on the CB (overall control board) processes the data and, based on the results, selects the gamma correction curve that will best reproduce the original.

1. Operation

a. AE detect operation

(1) Platen copy

AE scanning is carried out when the START button is pressed. The operation measures density over the range described below.

<AE sampling range>

- 1) If the platen cover or RADF cover is open, sampling is carried out to the boundaries of the non image area erase or within the area detected by APS.
 - 2) If the platen cover or RADF cover is closed, scanning is carried out over the range from the center to 20mm away from each edge of the original, as detected by APS.
- If APS is unable to detect the size, sampling is carried out up to 20mm short of the minimum supported original size in each direction.

(2) DF mode (1-1)

Pressing the START button causes the original to feed. The leading area of the original is read, and density is measured based on the read data. The sampling range is as follows.

<AE sampling range>

1) In the main scanning direction

Sampling is carried out to the boundaries of the non image area erase or within the area detected by APS.

- Sampling is carried out over the range from the center to 20mm away from each edge of the original, as detected by APS.
- If APS is unable to detect the size, scanning is carried out up to 20mm short of the minimum supported original size in each direction.

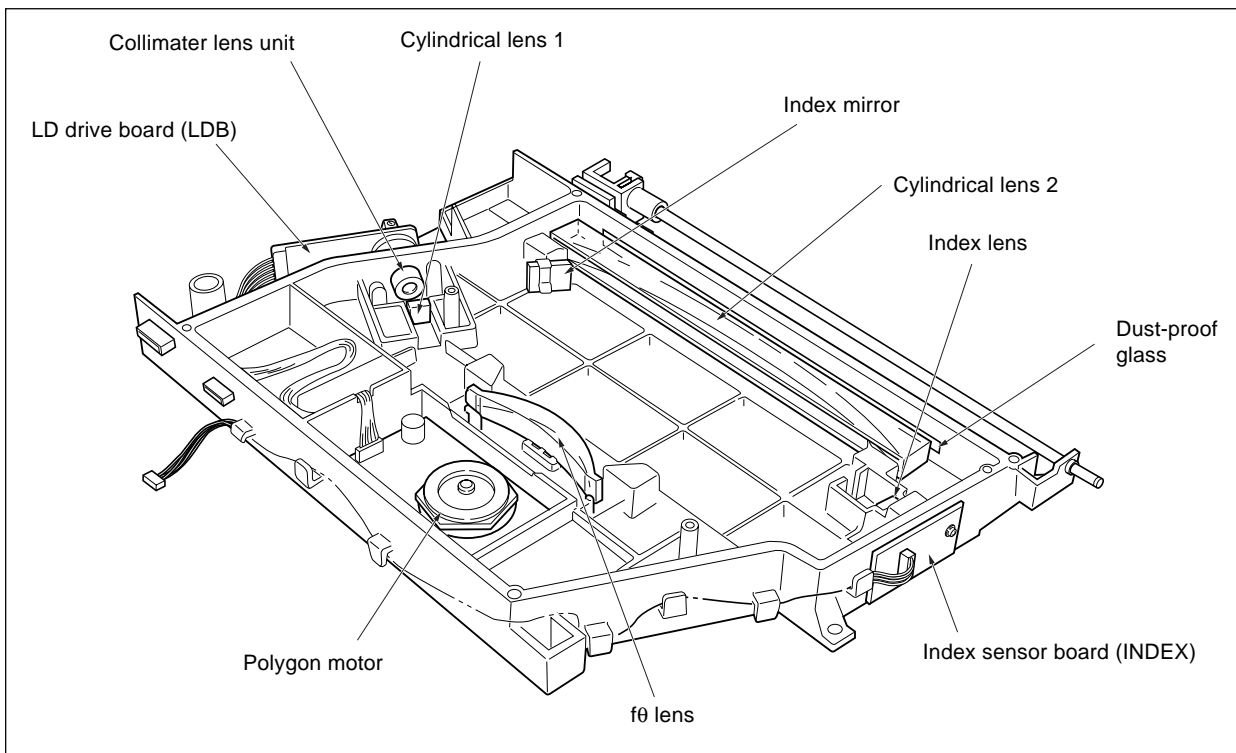
2) In the sub scanning direction

Sampling starts 1.5mm from the leading edge and ends 2.9mm from the leading edge.

Blank

WRITE UNIT

[1] Composition

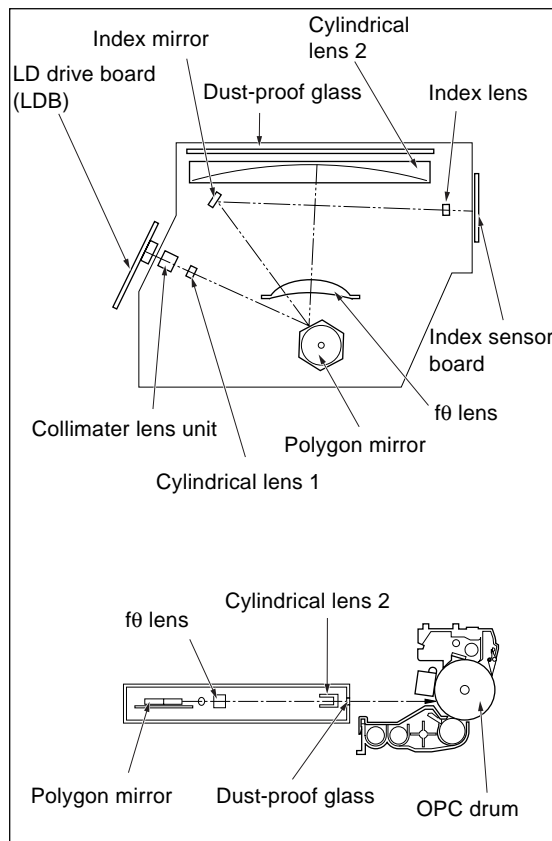


[2] Mechanisms

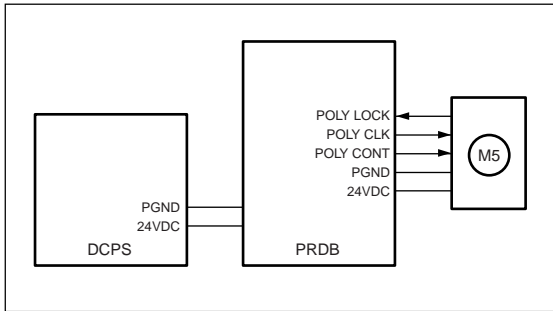
| Mechanism | Method |
|--------------|---|
| Scan * | Polygon mirror |
| | Rotational speed ⚠ Other than 7035/7135 : 33070.9 rpm 7035/7135 : 42519.6 rpm |
| Light source | Laser diode • Output: Max. 5mW • Wavelength: 780nm |
| Positioning | Index sensor |

* : Path of laser light

The light output from semiconductor laser is radiated onto the opc drum via the collimator lens, cylindrical lens 1, polygon mirror, fθ lens, cylindrical lens 2.



[3] M5 (Polygon Motor) Control



M5 (polygon motor) is controlled by the PRDB (printer drive board).

1. Operation

a. M5 is a brushless motor running on 24V DC power. The motor turns the polygon mirror, causing the laser beam from the LDB (LD drive board) to scan along the drum shaft direction. M5 includes an internal speed sensor, and utilizes PLL control to maintain a constant speed.

b. M5 rotation speed is as follows.

| Machine State | Rotation Speed | |
|---------------|---|-------------|
| Copying | 33070.9 rpm (Other than 7035/7135) 42519.6 rpm (7035/7135) | |
| Idling | Any of the following three speeds can be selected by using "25" mode. | |
| | Other than 7035/7135 | 7035/7135 |
| | 33070.9 rpm | 42519.6 rpm |
| | 16000 rpm* | 25000 rpm* |
| | Stop* | |

* If one of these speeds has been selected, M5 rotation speed will change at a specified time upon completion of warm up or completion of copy processing. You can select this time period, using "25" mode, to any of the following: 15 sec, 30 sec, 60 sec, 120 sec.

2. Signals

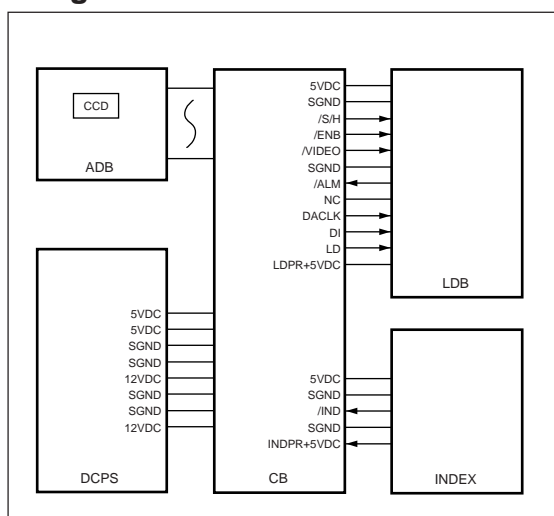
a. Input signal

- (1) POLY LOCK (M5 → PRDB)
M5 status detect signal.
[L] when M5 rotation reaches the rated speed.

b. Output signals

- (1) POLY CONT (PRDB → M5)
M5 drive control signal.
[L]: M5 ON
[H]: M5 OFF
- (2) POLY CLK (PRDB → M5)
Reference clock for M5 rotation control.

[4] Image Write Control



The CCD sensor outputs analog image data. The ADB (A/D conversion board) converts this data to digital form. The CB (overall control board) processes this data within memory, generating a laser recording signal. This signal is transmitted, by means of a CB control signal, to the LDB (LD drive board), and is output as an optical signal by the LDB's laser emitting element. The write start position for the laser recording signal is detected by the index sensor on the index sensor board.

1. Operation

3 a. Image processing

The CB carries out the following processing.

(1) AOC (automatic offset correction)

Reading is taken with SW2 (sub power switch) ON and L1 (exposure lamp) OFF, and the analog offset voltage for CCD sensor output is automatically adjusted such that this level become the lower limit for the A/D converter (In the case of the other than 7035).

In the case of the 7035, IC on ADB automatically adjusts analog off set voltage of CCD sensor output.

(2) AGC (automatic gain correction)

When SW2 comes ON, the level from the white reference board is read by turning ON the L1 (exposure lamp), and the analog amplification for the CCD sensor output is automatically adjusted such that this level becomes the upper limit for the A/D converter.

(3) Shading correction

Execution timing

White correction / Black correct

- At SW2 (sub power switch) ON

(4) Brightness/density conversion

(5) AE processing

(6) Text/dot pattern judgment

(7) Filtering

(8) Magnification change processing

(9) Error diffusion processing

(10) Data compression processing

(11) Write density correction

b. Write

CB transmits image data one pixel by one pixel to the LDB. The LDB emits the laser onto the drum in certain time for each pixel determined by the image data received from the CB.

(1) MPC (Maximum Power Control)

The CB informs LDB of the maximum laser output value. The LDB keeps and uses this value in APC (automatic power control) to maintain the laser intensity.

<MPC Timing>

- (1) After SW2 is set at ON when L detection adjustment has been completed or the drum counter has been reset.
- (2) When SW is turn ON first thing in the morning.
- (3) Every 20th copy during a continuous copy operation.

(2) APC (Automatic Power Control)

After the CB has set the MPC, it outputs an APC start command to the LDB in accordance with the following timing.

<APC Timing>

At detection of M5 (polygon motor) PLL lock. Thereafter, LDB automatically monitors the laser drive current for each line, and controls the laser such that the light intensity is always at MPC.

(3) Write timing

The index board's /IND signal determines the start time for laser writing of each scan in the drum shaft direction.

△ 2. **Signals**

a. Input signals

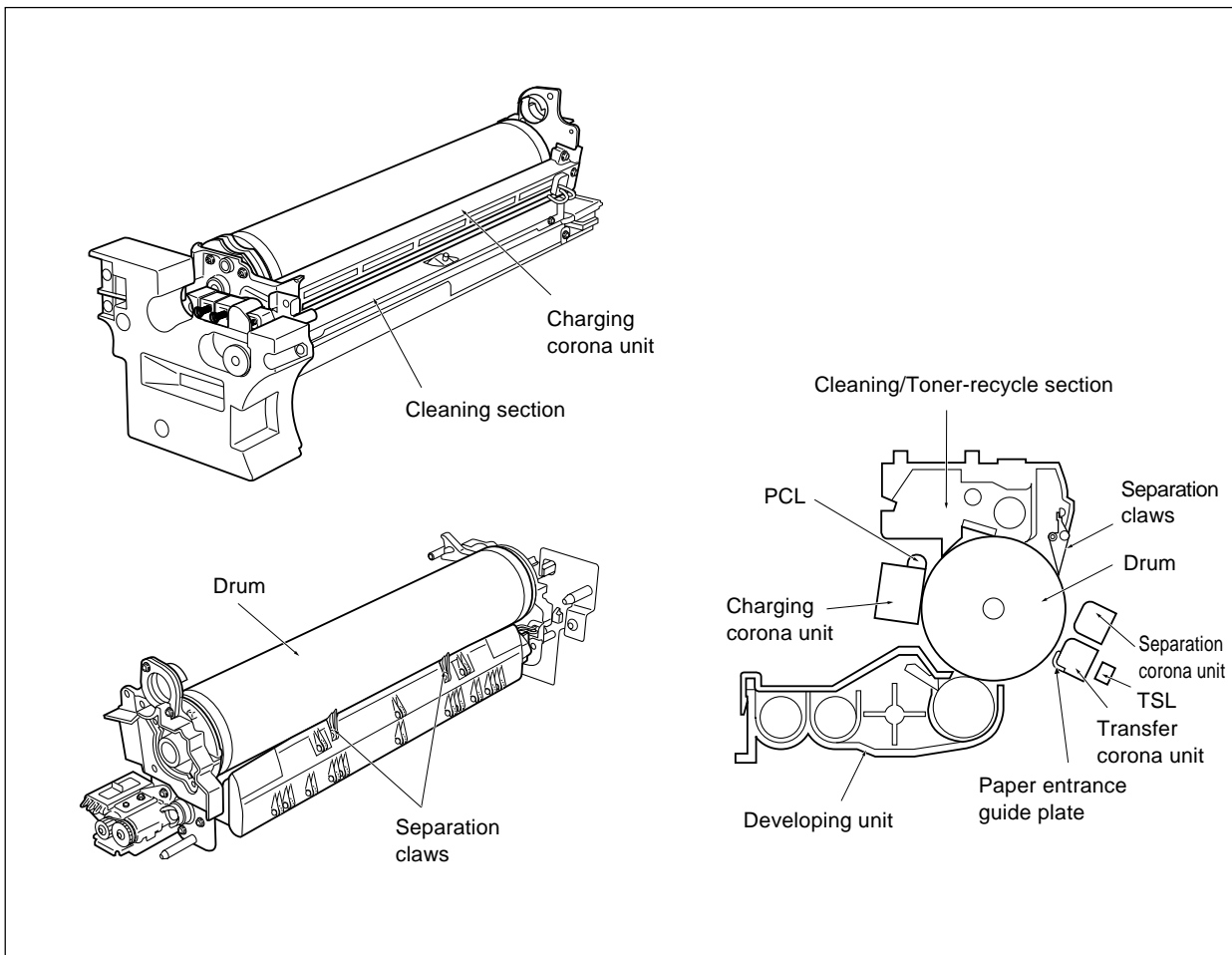
- (1) /IND (INDEX → CB)
Index signal for write system.
- (2) INDPR + 5VDC (INDEX → CB)
INDEX board detect connection monitor signal.
[H]: Not present
[L]: Present
- (3) /ALM (LDB → CB)
Indicates abnormality in laser drive current (APC operation).
[H]: Normal
[L]: Abnormal
- (4) LDPR + 5VDC (LDB → CB)
LDB connection monitoring signal.
[H]: Not present
[L]: Present

b. Output signals

- (1) /VIDEO (CB → LDB)
Image signal for / VIDEO laser.
- (2) DACLK (CB → LDB)
Clock signal used for transfer of MPC data.
- (3) DI (CB → LDB)
MPC data signal.
- (4) LD (CB → LDB)
MPC data memorize command signal.
- (5) /S/H (CB → LDB)
APC sampling signal (for one line).
- (6) /ENB (CB → LDB)
ON/OFF control signal for laser APC function. If OFF, laser output is stopped.

DRUM UNIT

[1] Composition



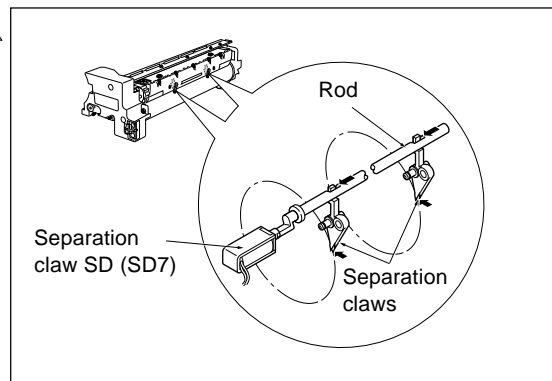
[2] Mechanisms

| Mechanism | Method |
|----------------------|--------------------|
| Pedestal hold | Fixed rail |
| PCL | LED |
| Auxiliary separation | Separation claws * |

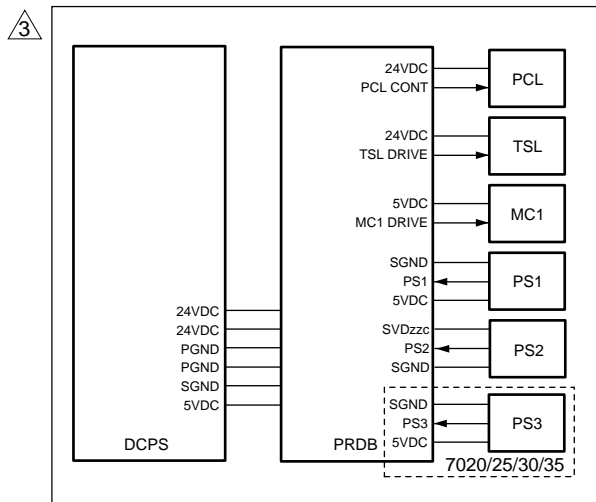
The drum unit is a single unit consisting of the drum, the charging corona unit, the cleaning, toner recycle section, and the PCL.

* : Operation of the separation claws

When SD7 (separation claw SD) is activated, the rod connected to it moves such that the cutouts on the rod allow the claws to fall into contact with the drum under their own weight. The contact of the claws aids in paper separation.



[3] PCL/TSL Control



The PCL (pre-charging lamp) and TSL (transfer synchronization lamp) are LED type lamps, and are controlled by the PRDB.

1. Operation

⚠ PCL lights when the START button is pressed, and goes OFF after the specified period from when PS3 (paper exit PS) (or PS2 (fixing exit PS) for machines other than the 7020/25/30/35) goes OFF (when the final sheet of copy paper is exited). TSL comes ON at a predetermined time interval after MC1 (registration clutch) comes ON, and goes OFF at a predetermined time interval after PS1 (registration PS) goes OFF.

2. Signals

a. Input signal

- (1) PS1 (PS1 → PRDB)

Detection of paper at paper feed temporary stop position.

[H] when paper is detected.

b. Output signals

- (1) PCL DRIVE (PRDB → PCL)

PCL ON/OFF control signal.

[L]: PCL ON

[H]: PCL OFF

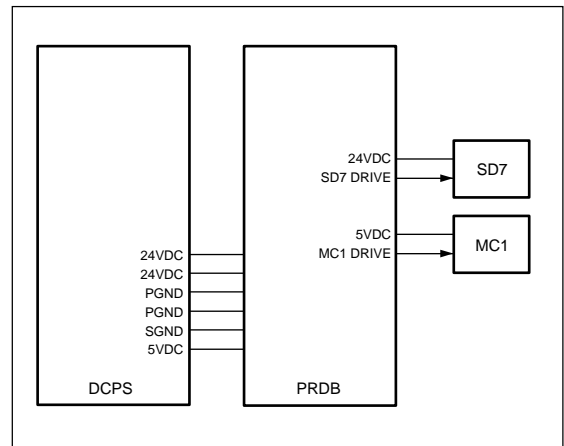
- (2) TSL DRIVE (PRDB → TSL)

TSL ON/OFF control signal.

[L]: TSL ON

[H]: TSL OFF

[4] Separation Claws Control



The separation claws are driven by SD7 (separation claw SD), which is controlled by the PRDB (printer drive board).

1. Operation

SD7 comes ON at a predetermined interval after MC1 (registration clutch) comes ON, causing the separation claws to make contact with the drum so as to assist in separating the paper from the drum.

2. Signals

a. Output signal

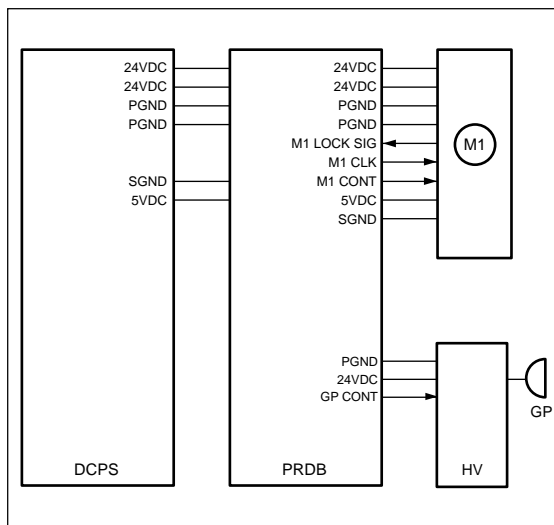
- (1) SD7 DRIVE (PRDB → SD7)

SD7 drive control signal.

[L]: SD7 ON

[H]: SD7 OFF

[5] Paper Entrance Guide Plate Control



A fixed voltage is applied to the paper entrance guide plate so as to prevent toner from sticking to the plate.

1. Operation

a. ON/OFF timing

ON/OFF in sync with M1 (main motor).

b. Applied voltage

–500V DC (constant voltage)

2. Signals

a. Output signal

(1) GP CONT (PRDB → HV)

Controls application of fixed voltage to the paper entrance guide plate.

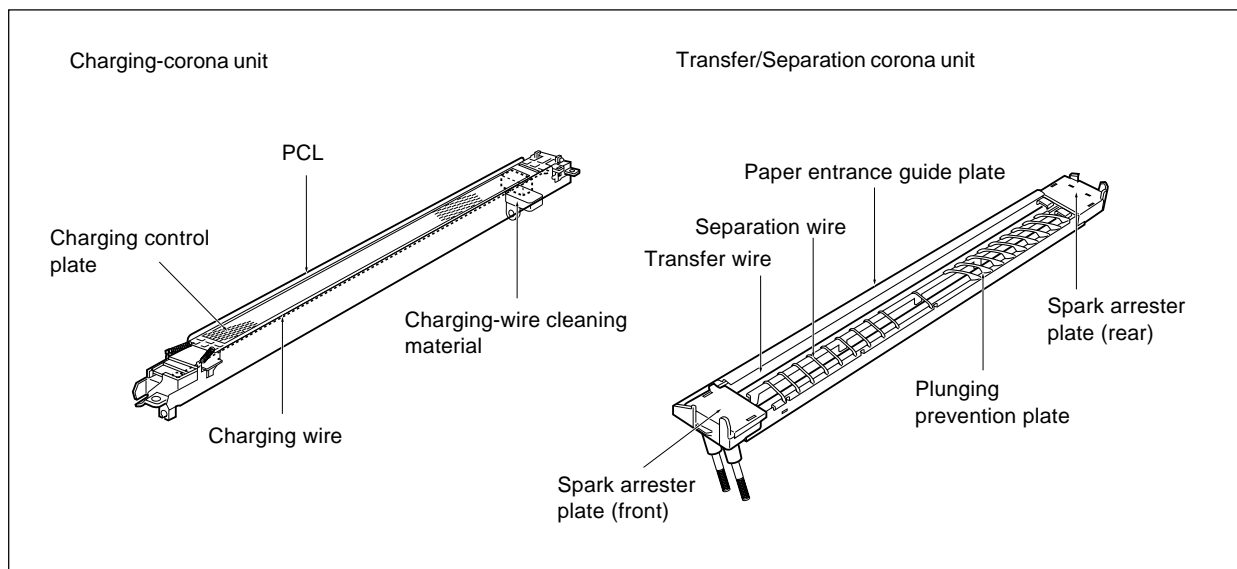
[L]: Voltage applied

[H]: No voltage

Blank

CORONA UNIT

[1] Composition



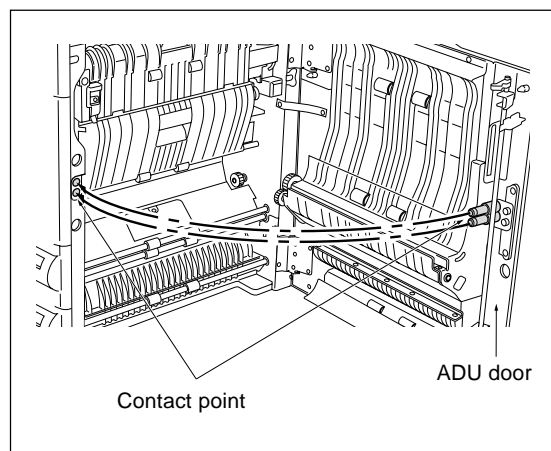
[2] Mechanisms

| Mechanism | Method |
|------------|---|
| Charging | Scorotron (DC negative corona discharge) Discharge wire: Tungsten, $\phi 0.06\text{mm}$ (gold-plated skin path) Grid control: Stainless-steel plate with manual wire cleaning feature |
| Transfer | DC positive corona discharge Discharge wire: Oxide-coated tungsten, $\phi 0.06\text{mm}$ with manual wire cleaning feature |
| Separation | AC/DC corona discharge Discharge wire: Oxide-coated tungsten, $\phi 0.06\text{mm}$ with manual wire cleaning feature |

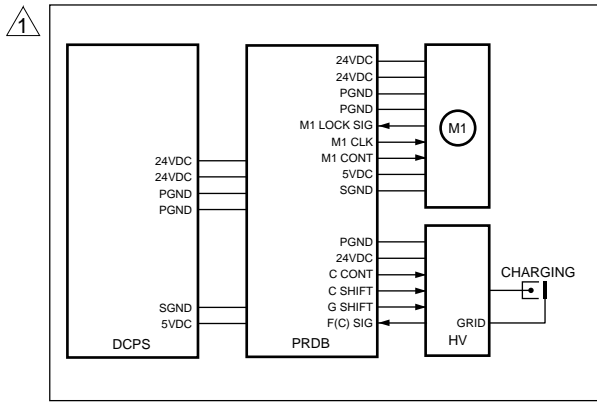
Power supply to the Transfer/Separation corona unit

⚠ Caution: Do not carry out copying with the ADU door open by forcibly setting the interlock ON, as doing so will generate high-voltage output at the contacts (springs) on the main-body board.

Closing of the ADU door establishes the connection to the power supply.



[3] Charging Control



The HV (high voltage unit) carries out charging by outputting a high voltage onto the charging wire.

The HV is controlled by analog control signals output from the PRDB (printer drive board).

1. Operation

The HV comes ON together with M1 (main motor), and goes OFF at a predetermined time interval after transfer output for the final sheet goes OFF.

a. Charging

An inverter boosts the 24VDC power from the DCPS, generating a high negative DC voltage that is discharged from the charging wire.

b. Grid voltage

The HV applies grid voltage to the charging control plate.

2. Signal

a. Input signal

- (1) F (C) SIG (HV → PRDB)

[L] if charge output has been forcibly switched OFF owing to detection of spark or occurrence of output short.

b. Output signals

- (1) C CONT (PRDB → HV)

Charge voltage and grid voltage ON/OFF control signal.

[L]: Charge and grid voltages ON

[H]: Charge and grid voltages OFF

- (2) C SHIFT (PRDB → HV)

Analog signal from PRDB; controls the output level of the charging corona unit.

| | |
|-----------------------|----------------|
| C SHIFT output range | 4 to 10V |
| Charging output range | -100 to -650μA |

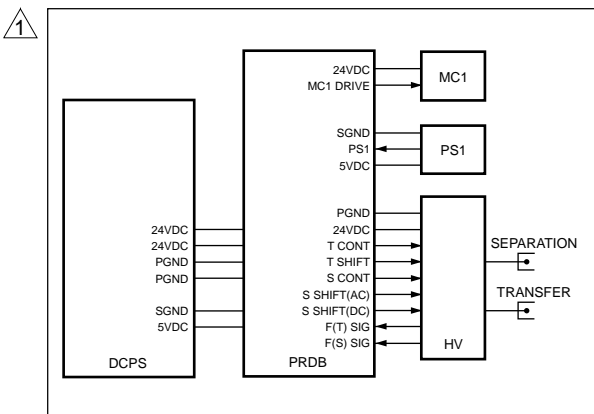
- (3) G SHIFT (PRDB → HV)

Analog signal from PRDB; controls the output level of the grid voltage.

⚠

| | |
|---------------------------|----------------|
| G SHIFT output range | 4 to 10V |
| Grid voltage output range | -450 to -1090V |

[4] Transfer/Separation Control



The transfer/separation corona units are controlled by the PRDB (printer drive board) and the HV (high voltage unit).

1. Operation

Transfer and separation come ON at predetermined intervals after M1 (main motor) comes ON, and go OFF at predetermined intervals after PS1 (registration PS) goes OFF.

a. Transfer

Constant current is applied so as to produce a high voltage DC discharge.

b. Separation

Constant voltage is applied to produce a high voltage AC discharge, and constant current is applied to produce high voltage DC discharge.

2. Signals

a. Input signals

(1) F (T) SIG (HV → PRDB)

[L] if transfer output has been forcibly switched OFF owing to detection of spark or occurrence of output short.

(2) F (S) SIG (HV → PRDB)

[L] if separation output has been forcibly switched OFF owing to detection of spark or occurrence of output short.

b. Output signals

(1) T CONT (PRDB → HV)

Transfer corona unit ON/OFF control signal.

[L]: Transfer corona unit ON

(2) T SHIFT (PRDB → HV)

Transfer corona unit output control signal.

Analog signal from PRDB; controls the output level of the transfer corona unit.

| | |
|-----------------------|------------------|
| T SHIFT output range | 4 to 10V |
| Transfer output range | 0 to 350 μ A |

(3) S CONT (PRDB → HV)

Separation corona unit ON/OFF control signal.

[L]: Separation corona unit ON

(4) S SHIFT (AC) (PRDB → HV)

Separation corona unit output control signal.

Analog signal from PRDB; controls the level of the AC component of the separation corona unit.

| | |
|----------------------------|--------------|
| S SHIFT (AC) output range | 3 to 10V |
| Separation AC output range | 1.5 to 5.0kV |

(5) S SHIFT (DC) (PRDB → HV)

Separation corona unit output control signal.

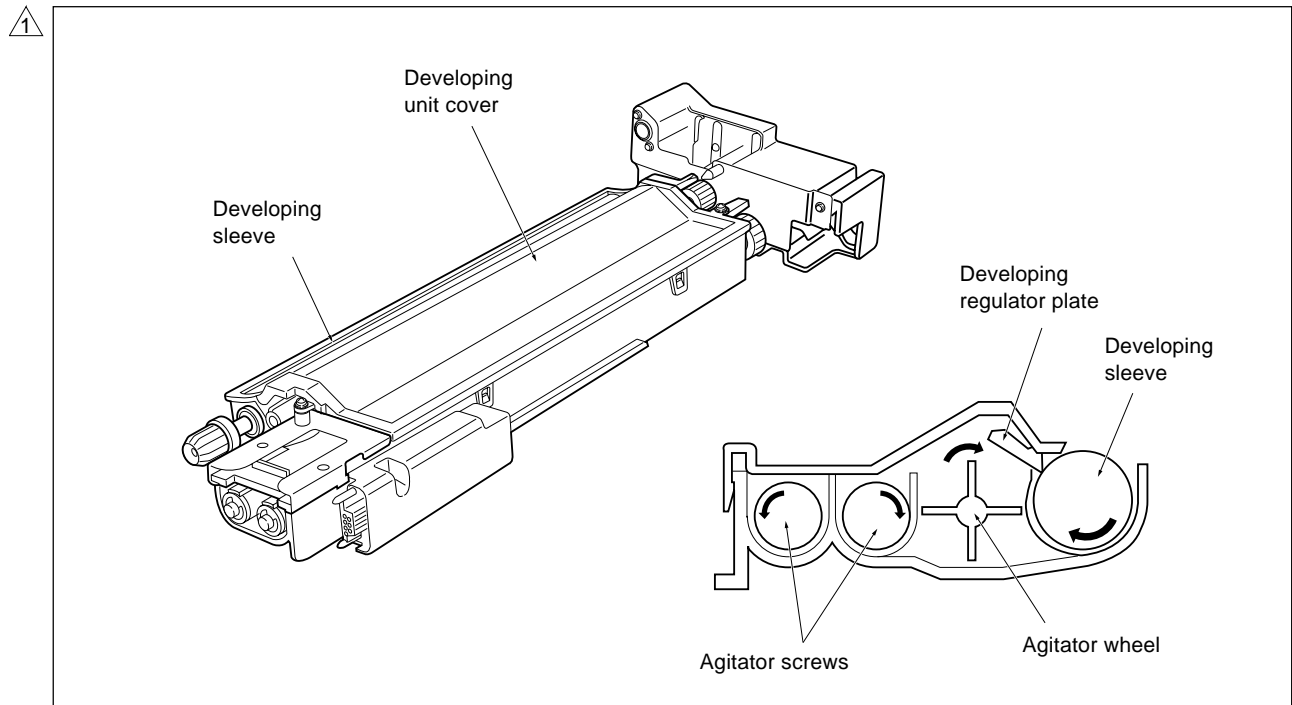
Analog signal from PRDB; controls the level of the DC component of the separation corona unit.

| | |
|----------------------------|-------------------|
| S SHIFT (DC) output range | 4 to 10V |
| Separation DC output range | 0 to -300 μ A |

Blank

DEVELOPING UNIT

[1] Composition



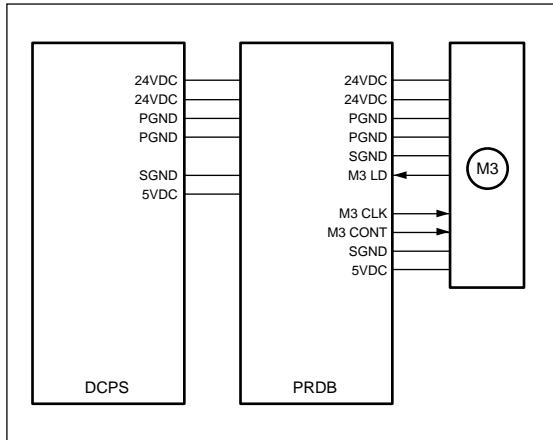
[2] Mechanisms

| Mechanism | Method |
|---------------------|---------------------------------|
| Developing | 2-component developing |
| Developing bias | DC bias |
| Developer agitation | Main and supplemental agitation |

Developing unit drive

The developing unit is driven by two different motors. The developing motor (M3) drives the developing sleeve, while the main motor (M1) drives the agitator section.

[3] M3 (Developing Motor) Control



M3 (developing motor) is controlled by the PRDB (printer drive board).

1. Operation

M3 runs on 24V DC power, and drives the developing sleeve. M1 drives the agitator wheel and agitator screws. (For information about M1, refer to “M1 (Main motor) control.”) M3 includes an internal speed sensor, and utilizes PLL control to maintain a constant speed, using a reference clock signal output by PRDB.

M3 goes ON and OFF in sync with M1.

2. Signals

a. Input signal

- (1) M3 LD (M3 → PRDB)

M3 status detect signal.

Goes [L] when M3 rotation reaches the rated speed.

[H]: Stopped, or rotating at other than rated speed.

[L]: Rotating at rated speed. (PLL: stable)

b. Output signals

- (1) M3 CONT (PRDB → M3)

M3 drive control signal.

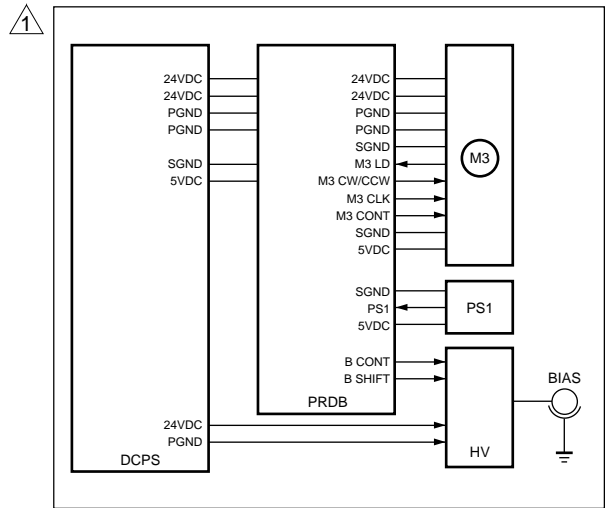
[L]: M3 ON

[H]: M3 OFF

- (2) M3 CLK (PRDB → M3)

Reference clock for M3 rotation control.

[4] Developing Bias Control



Developing bias is controlled by the PRDB (printer drive board) and the HV (high voltage unit).

1. Operation

Application of developing bias to the developing sleeve starts a predetermined time interval after M3 (developing motor) comes ON, and ends a predetermined time interval after charging goes OFF.

2. Signals

a. Output signals

- (1) B CONT (PRDB → HV)

Developing bias ON/OFF control signal.

[L] sets developing bias ON and outputs high voltage.

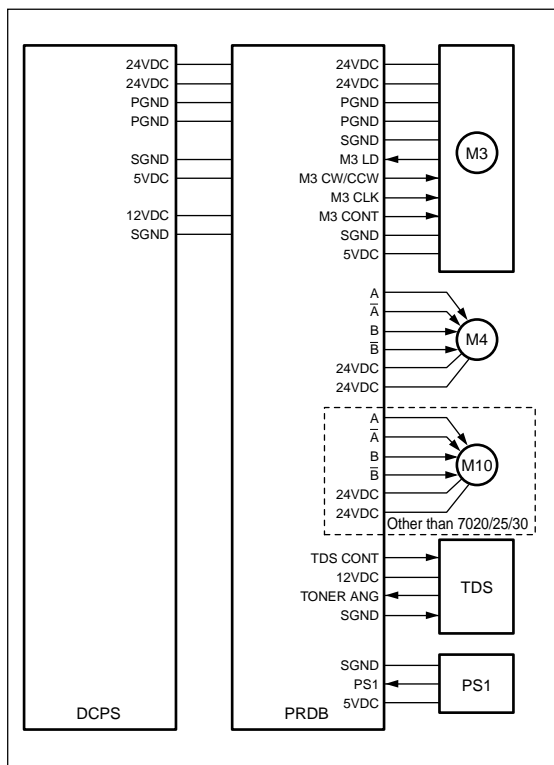
- (2) B SHIFT (PRDB → HV)

Developing bias level control signal.

Analog signal from PRDB; controls the developing bias output level.

| | |
|---------------------------|---------------|
| B SHIFT output range | 2 to 8V |
| Bias-Voltage output range | -350 to -830V |

[5] Toner Density Control



Toner density is controlled by the TDS (toner density sensor), M4 (toner supply motor 1), M10 (toner supply motor 2: other than 7020/25/30) and the PRDB (printer driver board).

1. Operation

a. Toner density control

The TDS uses L detection to detect the toner density in the developing unit, and outputs to the PRDB an analog signal corresponding to the detected density.

The PRDB determines whether toner supply is necessary by comparing the detected value against the developer's initial density.

b. Supply of toner to the developing unit

M4 and M10 (other than 7020/25/30) are stepping motor running on 24VDC. Drive time is controlled by the PRDB.

(1) When the power switched ON

Following power on, M1 (main motor) turns the agitator screws, and after a predetermined time interval the TDS reads the toner density. The PRDB compares the density detected by TDS with the developer's initial density. If the detected density is low, M4 and M10 (other than 7020/25/30) comes on and supplies toner until the proper density level is restored.

(2) During a copy operation

The following table shows the relation between TDS output voltage and toner supply time.

4 7020/25/30/35

| TDS output voltage | Replenishment Time |
|------------------------------|--------------------|
| ≤ 2.00 (2.01) V | 0 sec. |
| 2.01 to 2.05 (2.04) V | 0.24 (0.10) sec. |
| 2.06 (2.04) to 2.09 (2.08) V | 0.48 (0.20) sec. |
| 2.10 (2.08) to 2.13 (2.12) V | 0.72 (0.30) sec. |
| 2.14 (2.12) to 2.17 (2.19) V | 0.96 (0.40) sec. |
| 2.18 (2.19) to 2.21 (2.35) V | 1.20 (0.50) sec. |
| ≥ 2.22 (2.35) V | 1.80 (0.70) sec. |

Parenthesized values are for the 7035

4 7022/7130/7135

| TDS output voltage | Replenishment Time |
|--------------------|--------------------|
| ≤ 2.00 V | 0 sec. |
| 2.01 to 2.07 V | 0.10 sec. |
| 2.08 to 2.15 V | 0.20 sec. |
| 2.16 to 2.22 V | 0.30 sec. |
| 2.23 to 2.30 V | 0.40 sec. |
| 2.31 to 2.38 V | 0.50 sec. |
| ≥ 2.39 V | 0.70 sec. |

2. Signals

a. Input signal

(1) TONER ANG (TDS → PRDB)

Outputs an analog voltage corresponding to the toner density.

b. Output signals

(1) TDS CONT (PRDB → TDS)

TDS output voltage adjustment signal.

Output range: 3 to 8 V

(2) M4 A, A-bar, B, B-bar (PRDB → M4)

M4 drive control signals.

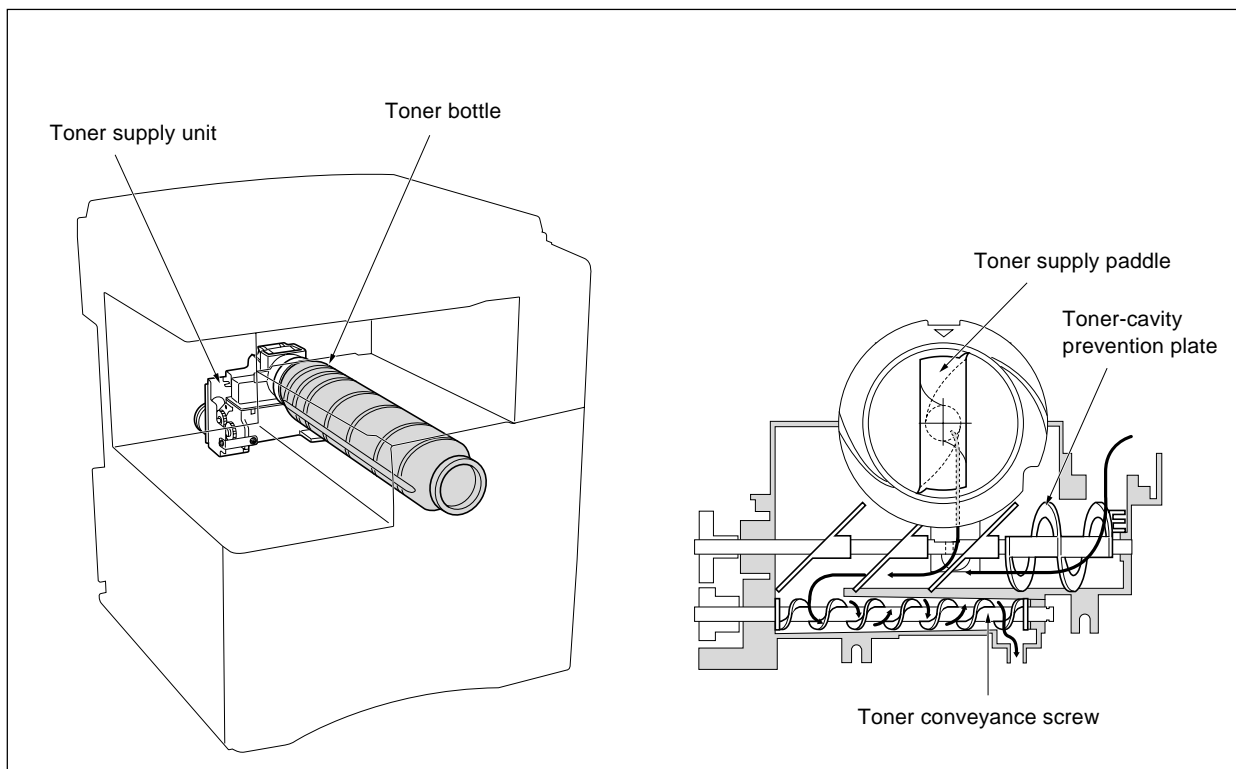
(3) M10 A, A-bar, B, B-bar (PRDB → M10)

M10 drive control signals. (other than 7020/25/30)

Blank

TONER SUPPLY UNIT

[1] Composition



[2] Mechanisms

| Mechanism | Method |
|-----------------------|--------------------------------------|
| Toner supply | Screw conveyance |
| Toner level detection | Piezoelectric method: Approx. 30g |
| Toner agitation *1 | Toner agitator plate + screw |
| Toner bottle *2 | Rotation cartridge |
| Toner leak prevention | Toner supply shutter |

*1: Toner agitation

The toner agitator plate is powered by the toner supply motor 1 (M4) via gears.

*2: Toner bottle

<Operation in the case of the 7020/25/30>

The toner bottle rotates while the toner bottle SD (SD6) is ON. This rotation is driven by the toner supply motor 1 (M4). Rotation causes the toner to move toward the bottle outlet along the spiral groove cut into the bottle surface.

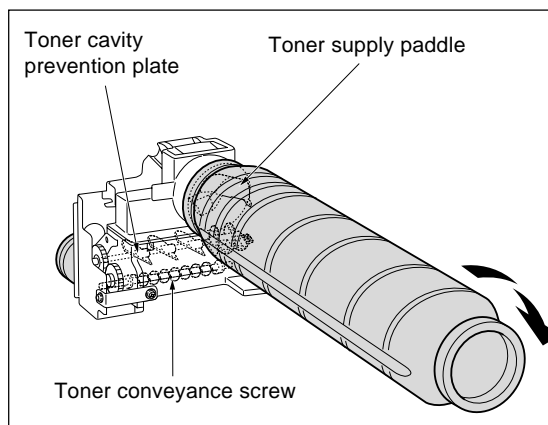


<Operation in the case of the other than 7020/25/30>

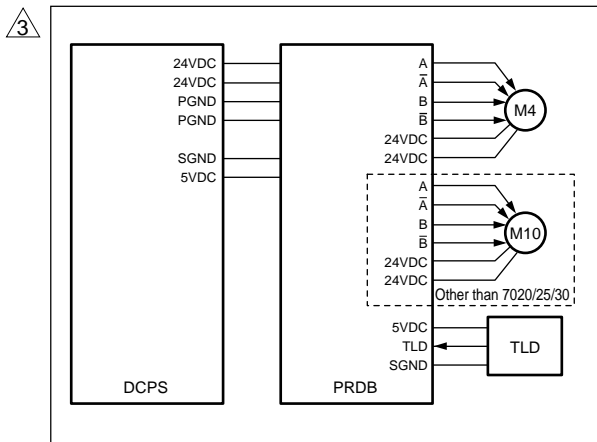
When toner supply motor 2 (M10) goes ON, the toner bottle rotates, causing the toner to move along the spiral groove cut in the surface of the toner bottle to the outlet of the toner bottle.

<Common Operation>

At the outlet of the toner bottle is a toner supply paddle which pushes the toner to the agitation/conveyance section of the toner supply unit along with the rotation of the toner bottle.



[3] Toner Level Detection Control



Control of toner level detection is carried out by the TLD (toner level detector) and the PRDB (printer control board).

1. Operation

a. Toner level detection

The TLD uses a piezo element. When TLD detects that toner in the cartridge has run low, it outputs a toner supply signal to the PRDB, generating a message on the LCD (display board).

b. Detection timing

Detection is carried out at the following times.

- During copying

c. Toner supply operation to toner supply unit

<Operation in the case of the 7020/25/30>

When TLD detects that toner is empty, SD6 (toner-bottle SD) goes ON and engages the gear. When M4 (toner supply motor 1) goes ON, the bottle turns, sending new toner to the toner supply unit.

△ <Operating in the case of the other than 7020/25/30>

When the TLD detects that the toner is empty up, M10 (toner supply motor 2) goes ON and rotates the toner bottle, causing new toner to be supplied to the toner supply unit.

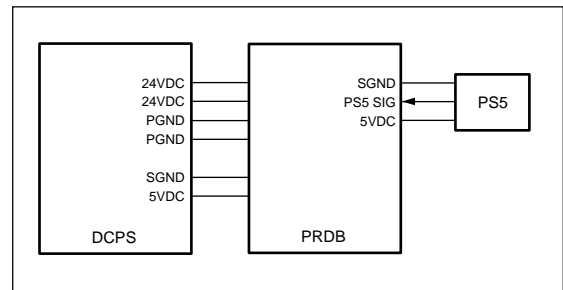
2. Signals

a. Input signal

- (1) TLD (TLD → PRDB)

Goes [L] when the quantity of toner in the toner cartridge runs low. If [L] state continues for a predetermined period, a corresponding message is displayed in the LCD.

[4] Toner Bottle Detection Control



PS5 (toner bottle PS) detects the presence or absence of the toner bottle.

1. Operation

PS5 detects mounting of the toner bottle, and the machine enters copy standby.

2. Signal

a. Input signal

- (1) PS5 SIG (PS5 → PRDB)

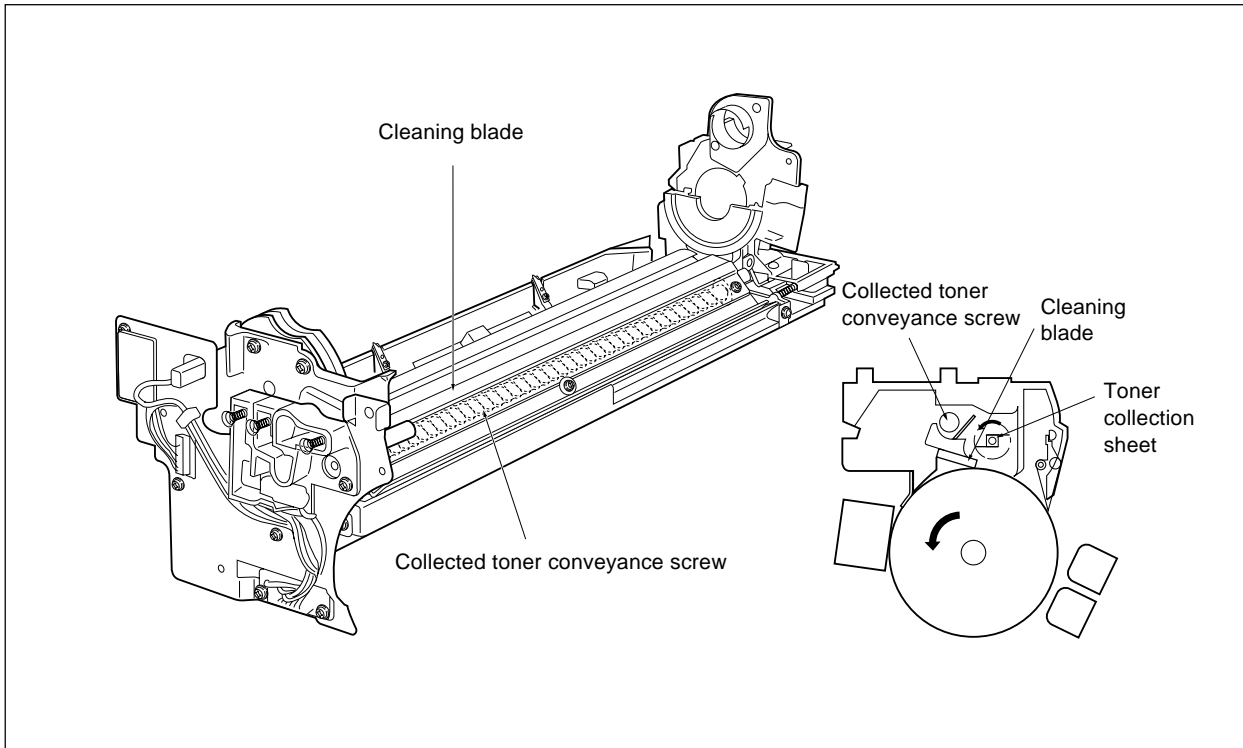
Toner bottle detect signal.

[H]: Toner bottle not present.

[L]: Toner bottle is present.

CLEANING/TONER RECYCLE UNIT

[1] Composition

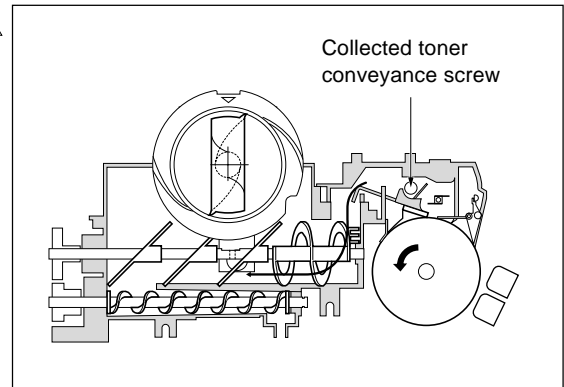


[2] Mechanisms

| Mechanism | Method |
|------------------|--------------------------------------|
| Drum cleaning | Cleaning blade (spring load type) |
| Toner recycle* | Toner conveyance by screw |
| Toner collection | Toner collection sheet |

*Toner recycle

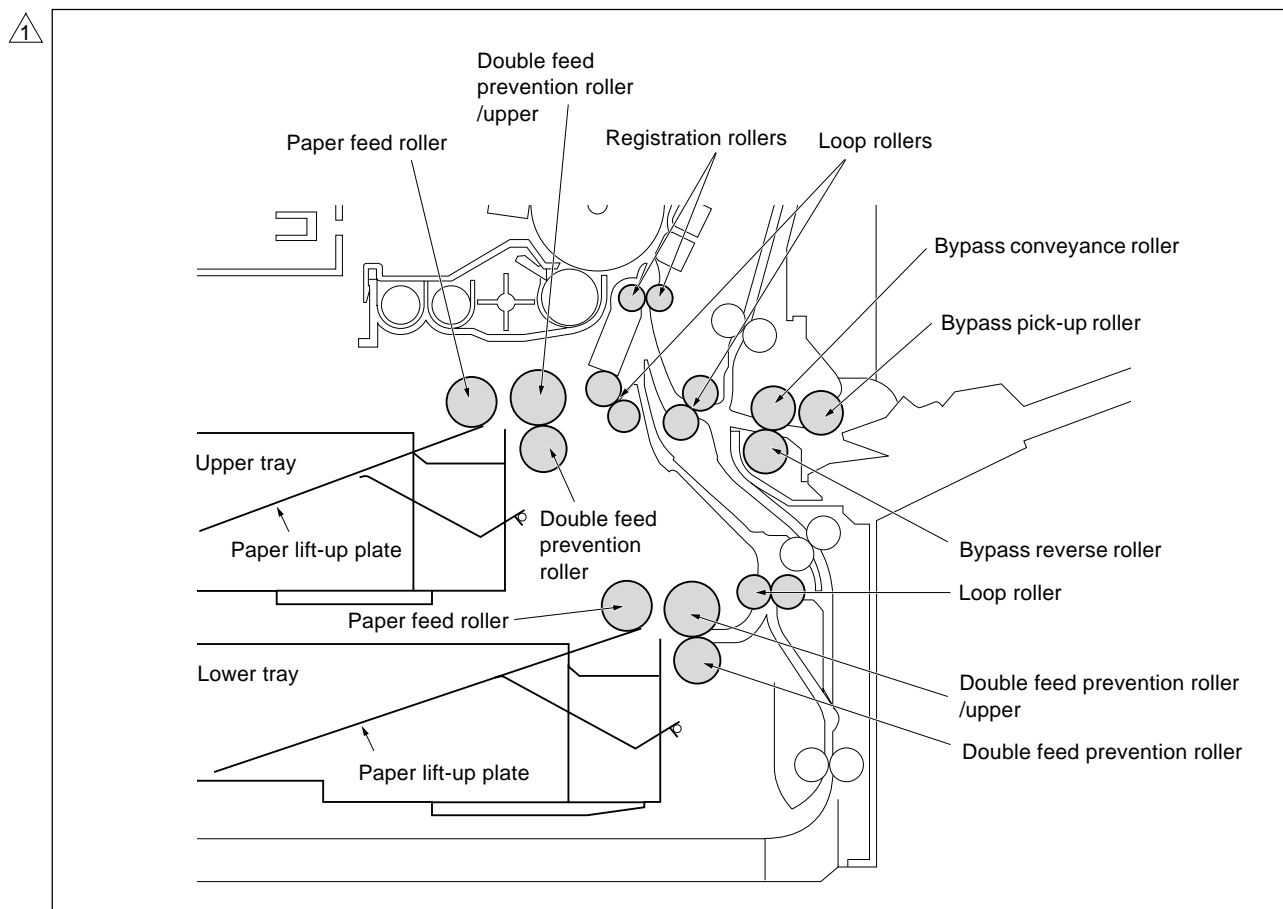
Toner collected by the cleaning blade is conveyed to the collected toner exit (and returned to the toner supply unit) by the action of the collected toner conveyance screw.



Blank

PAPER FEED UNIT

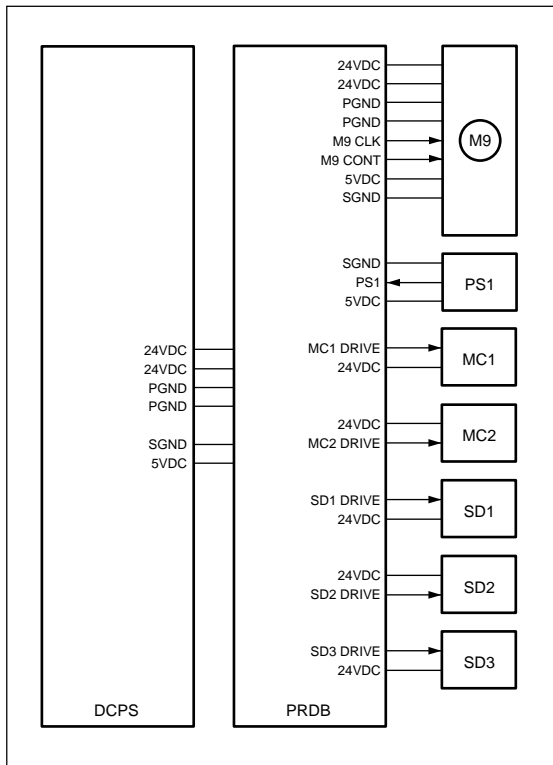
[1] Composition



[2] Mechanisms

| Mechanism | Method |
|------------------------|--|
| Paper stacking | Two trays |
| Paper lift-up | Paper lift-up plate |
| Double feed prevention | Torque limiter |
| Tray loading | Front loading |
| First paper feed | Paper feed SD Paper feed roller Loop clutch Loop roller |
| Second paper feed | Registration clutch Registration rollers |
| By-pass feed | By-pass feed SD By-pass conveyance rollers Loop roller |
| Paper size detection | Paper size setting unit |

[3] Paper Feed Control



M9 (paper feed motor) drive power is transmitted to the various rollers by means of SD1 (first paper feed SD (upper tray)), SD2 (first paper feed SD (lower tray)), and SD3 (bypass SD). When M9 first comes ON, no rollers are in contact with paper; accordingly, SD1, SD2, or SD3 operate to raise or lower the feed rollers or bypass plate so as to make contact with paper and initiate feeding.

When SD1 (first paper feed SD) comes ON, MC2 (loop clutch) also comes ON at the same time, conveying the paper up to the registration rollers. PS1 (registration PS) detects the leading edge of the paper, MC2 goes OFF, and the paper is formed into a loop. When the drum charge stabilizes, MC1 (registration) and MC2 both come ON to drive the second paper feed.

Paper feed operations are controlled by the PRDB (printer drive board).

1. Operation

a. Timing for first paper feed (bypass)

- (1) Start for first sheet
At a predetermined time interval after START button ON.
- (2) Start for second sheet
At a predetermined time interval after first sheet SD3 ON.
- (3) OFF timing
At a predetermined time interval after SD3 ON.

b. Timing for first paper feed (upper tray)

- (1) Start for first sheet
At a predetermined time interval after START button ON.
- (2) Start for second sheet
At a predetermined time interval after first sheet SD1 ON.
- (3) OFF timing
At a predetermined time interval after SD1 ON.

c. Timing for first paper feed (lower tray)

- (1) Start for first sheet
At a predetermined time interval after START button ON.
- (2) Start for second sheet
At a predetermined time interval after first sheet SD2 ON.
- (3) OFF timing
At a predetermined time interval after SD2 ON.

d. Control for second paper feed (MC1)

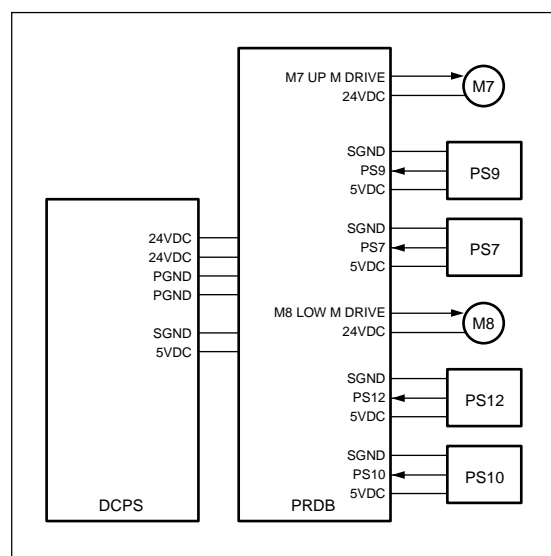
- (1) ON timing
At a predetermined time interval after PS1 ON.
- (2) OFF timing
At a predetermined time interval after PS1 OFF.

e. Control of paper feed loop formation (MC2)

- (1) ON timing
At the same time as SD1 ON, SD2 ON or SD3 ON.
- (2) OFF timing
At a predetermined time interval after PS1 ON.

2. Signals**a. Output signals**

- (1) M9 CONT (PRDB → M9)
M9 drive control signal.
[L]: M9 ON
[H]: M9 OFF
- (2) M9 CLK (PRDB → M9)
Reference clock for M9 rotation control.
- (3) SD1 DRIVE (PRDB → SD1)
[L]: SD1 ON
[H]: SD1 OFF
- (4) SD2 DRIVE (PRDB → SD2)
[L]: SD2 ON
[H]: SD2 OFF
- (5) SD3 DRIVE (PRDB → SD3)
[L]: SD3 ON
[H]: SD3 OFF
- (6) MC1 DRIVE (PRDB → MC1)
MC1 drive control signal.
[L]: MC1 ON
[H]: MC1 OFF
- (7) MC2 DRIVE (PRDB → MC2)
MC2 drive control signal.
[L]: MC2 ON
[H]: MC2 OFF

[4] Paper Up Down Control

When a tray is set into the machine, its presence is detected by PS9 (tray detect PS (upper)) or PS12 (tray detect PS (lower)), which in turn causes M7 (tray motor (upper)) or M8 (tray motor (lower)) to come ON for a fixed interval so as to raise the tray's bottom plate. Signals related to this operation are PS7 (upper limit detect PS (upper)) and PS10 (upper limit detect PS (lower))

1. Operation**a. ON timing**

PS9 ON causes M7 ON. PS12 ON causes M8 ON.

b. OFF timing

PS7 ON causes M7 OFF. PS10 ON causes M8 OFF.

2. Signals

a. Input signals

(1) PS9 (PS9 → PRDB)

Upper tray detect signal.

[L]: tray is present;

[H]: tray is not present.

Detection of the tray causes M7 to raise the paper in the upper tray.

(2) PS12 (PS12 → PRDB)

Lower tray detect signal.

[L]: tray is present;

[H]: tray is not present.

Detection of tray causes M8 to raise the paper in the lower tray.

(3) PS7 (PS7 → PRDB)

Upper limit detect signal for upper tray.

Goes [H] when paper in the upper tray has been raised to the upper limit, causing M7 to go OFF.

(4) PS10 (PS10 → PRDB)

Upper limit detect signal for lower tray.

Goes [H] when paper in the lower tray has been raised to the upper limit, causing M8 to go OFF.

b. Output signals

(1) M7 DRIVE (PRDB → M7)

M7 drive control signal.

[L]: M7 ON

[H]: M7 OFF

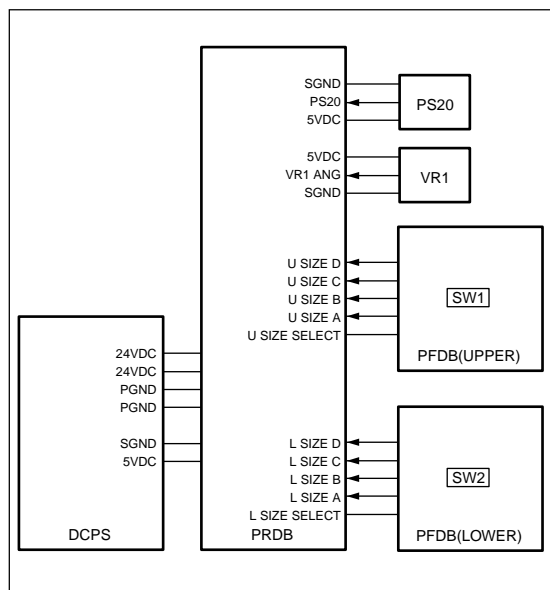
(2) M8 DRIVE (PRDB → M8)

M8 drive control signal.

[L]: M8 ON

[H]: M8 OFF

[5] Paper Size Detection Control



Tray paper size is detected by the PRDB (printer driver board) based on detection signals issued from the PFDBs (paper feed detection boards). Detection of paper size in the by-pass tray is carried out by PS20 (bypass tray paper size detect PS) and VR1 (bypass tray paper size VR).

1. Operation

a. Paper size detection for upper and lower trays

Paper size for the upper tray is set by SW1 on PFDB (UPPER), and paper size for the lower tray is set by SW2 on PFDB (LOWER). The PRDB detects the switch signals output in accordance with position of each of these switches. The following table shows the relation between switch signals and paper size.

For U.S.A.

| Paper size | | Switching | | | |
|------------|-----------|-----------|--------|--------|--------|
| Tray1 | Tray2 | SIZE A | SIZE B | SIZE C | SIZE D |
| 8.5 x 14 | 11 x 17 | | | | |
| B5R | A5R | ○ | | | |
| B4 | A4 | | ○ | | |
| A5R | A4R | ○ | ○ | | |
| A4 | A3 | | | ○ | |
| A4R | F4 | ○ | | ○ | |
| F4 | 5.5 x 8.5 | | ○ | ○ | |
| 5.5 x 8.5 | 8.5 x 11 | ○ | ○ | ○ | |
| 8.5 x 11 | 8.5 x 11R | | | | ○ |
| 8.5 x 11R | 8.5 x 14 | ○ | | | ○ |

For Europe

| Paper size | | Switching | | | |
|------------|-----------|-----------|--------|--------|--------|
| Tray1 | Tray2 | SIZE A | SIZE B | SIZE C | SIZE D |
| 8.5 x 14 | 11 x 17 | | | | |
| B5 | B5 | ○ | | | |
| B4 | B4 | | ○ | | |
| A5R | A5R | ○ | ○ | | |
| A4 | A4 | | | ○ | |
| A4R | A4R | ○ | | ○ | |
| F4 | A3 | | ○ | ○ | |
| 5.5 x 8.5 | F4 | ○ | ○ | ○ | |
| 8.5 x 11 | 8.5 x 11 | | | | ○ |
| 8.5 x 11R | 8.5 x 11R | ○ | | | ○ |

b. Paper size detection for bypass tray

Paper length in the by-pass tray is detected by PS20 ON/OFF. Paper width in the bypass tray is detected by VR1, whose resistance value changes in accordance with the tray's guide position.

2. Signals

a. Input signals

(1) PS20 (PS20 → PRDB)

Paper length detection signal for bypass tray.

[L]: B4 size or more

[H]: A4R size or less

(2) VR1 ANG (VR1 → PRDB)

Paper width detection signal for bypass tray.

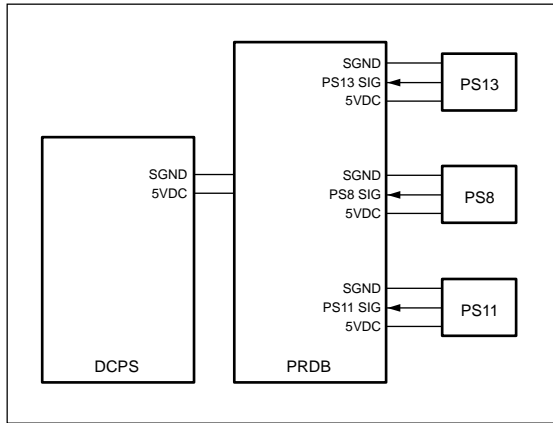
(3) U SIZE A, B, C, D (PFDB (UPPER) → PRDB)

Paper size ON/OFF detect signals for upper tray.

(4) L SIZE A, B, C, D (PFDB (LOWER) → PRDB)

Paper size ON/OFF detect signals for lower tray.

[6] No Paper Detection Control



No paper detection is carried out by PS8 (no paper detect PS (upper)), PS11 (no paper detect PS (lower)), and PS13 (by-pass no paper detect). Detection is controlled by the PRDB (printer drive board).

1. Operation

a. No paper detection control

When the upper, lower, or bypass tray runs out of paper, the corresponding PS comes ON (PS8, PS11, or PS13), causing the LCD (display board) to display a paper out message.

2. Signals

2.1 a. Input signals

- (1) PS8 SIG (PS8 → PRDB)

No paper detection signal for upper tray.

[H]: Paper does not exist

[L]: Paper exist

- (2) PS11 SIG (PS11 → PRDB)

No paper detection signal for lower tray.

[H]: Paper does not exist

[L]: Paper exist

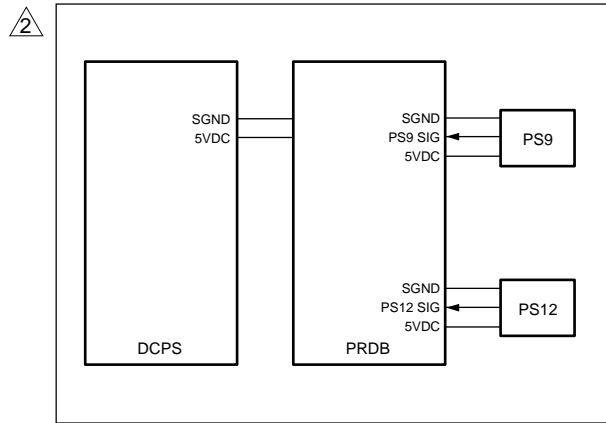
- (3) PS13 SIG (PS13 → PRDB)

No paper detection signal for bypass tray.

[H]: Paper exist

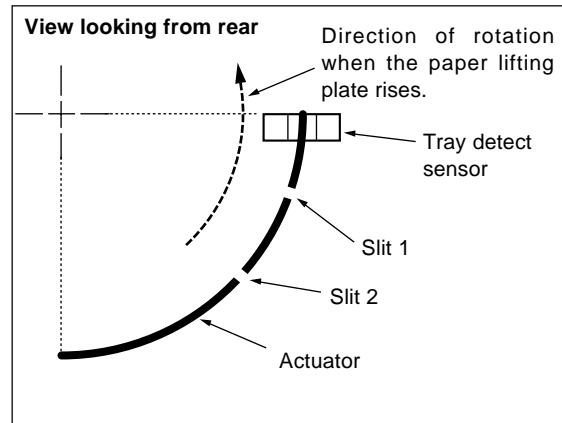
[L]: Paper does not exist

[7] Control of Paper Level Detection



After the trays have been set in the machine, paper level is detected by PS9 (tray detect sensor (upper)) and PS12 (tray detect sensor (lower)).

As the paper level in tray runs low, the actuator at the rear part of the tray gradually rotates as illustrated below. The level is detected by the number of times the sensor goes ON/OFF (the number of slits detected).



Operation

a. Detection of paper level in tray

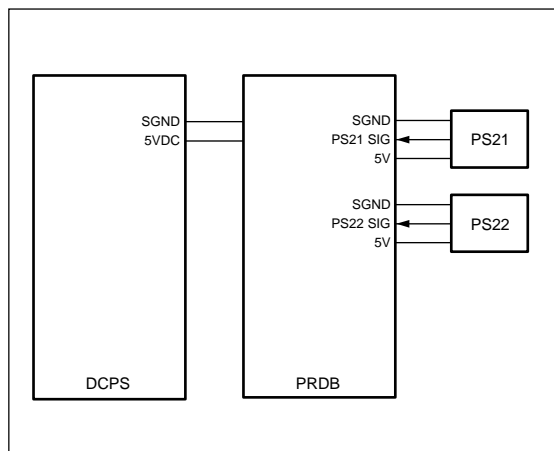
The following shows the relation between the paper level and the number of slit detections by the sensor (PS9 or PS12).

0 slits : Full

1 slit : Medium

2 slits : Low

⚠ [8] Intermediate Conveyance Control (7030/7130/7035/7135 only)



PS21 (intermediate conveyance PS/upper) and PS22 (intermediate conveyance PS/lower) are installed in proximity of the loop rollers of tray 1 and tray 2 respectively. As the paper feeding intervals of the 7030, 7130, 7035 and 7135 are decreased during continual copying, there is a chance that a slight increase in the timing of paper feeding may cause jams. To prevent this, the condition of the paper is monitored by PS21 and PS22 immediately after the start of paper feeding.

1. Operation

If PS21 or PS22 detect paper within a predetermined period of time after the start of feeding the second and subsequent sheets of paper, the MC2 (loop clutch) will be stopped momentarily to ensure a constant interval between paper feeding.

2. Signal

a. Input signals

(1) PS21 SIG (PS21 \varnothing PRDB)

PS21 paper detect signal

[H]: Paper does not exist

[L]: Paper exist

(2) PS22 SIG (PS22 \varnothing PRDB)

PS22 paper detect signal

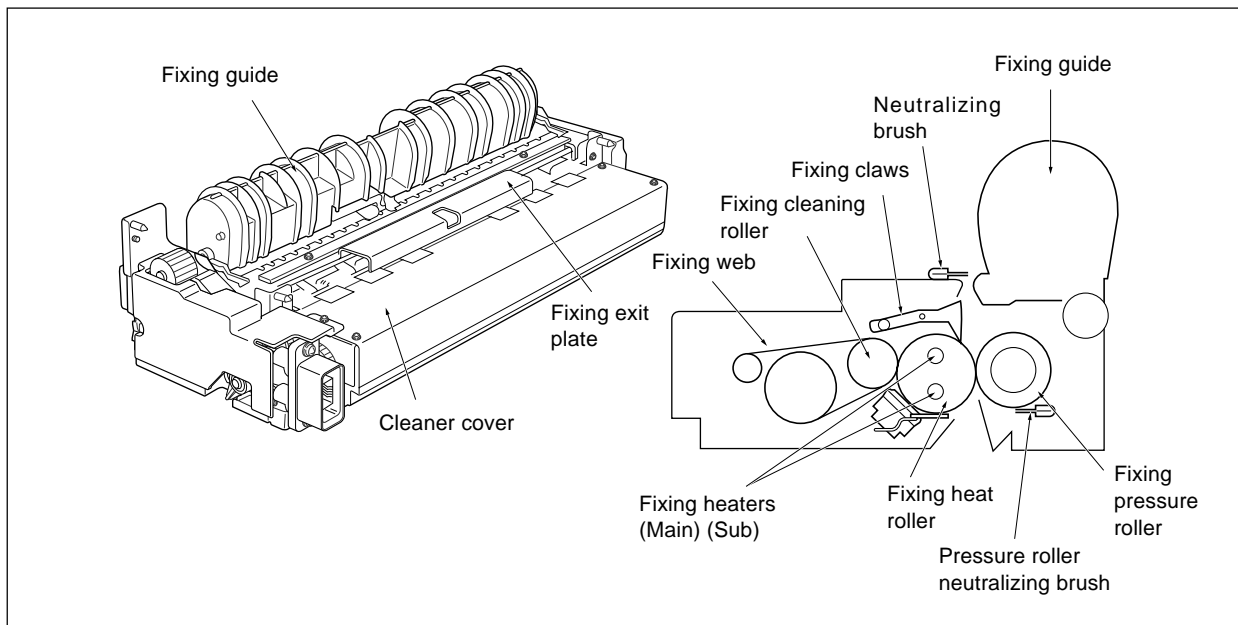
[H]: Paper does not exist

[L]: Paper exist

Blank

FIXING UNIT

[1] Composition



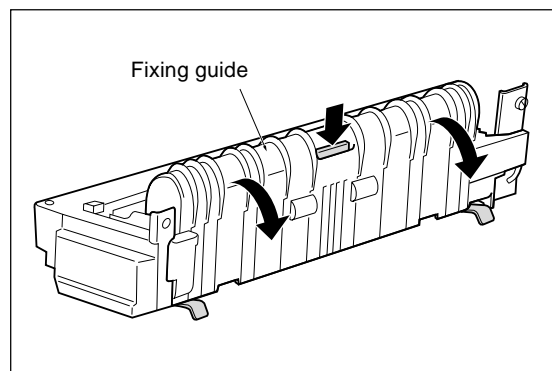
[2] Mechanisms

| Mechanism | Method |
|------------------------|---|
| Fixing | Pressure + heat roller |
| Heat source | Heater lamps (2 lamps) |
| Cleaning | Fixing web Fixing cleaning roller |
| Heat roller | Aluminum + PFA coating |
| Pressure roller | Silicone rubber + PFA tube |
| Separation | Fixing claws (6 claws) |
| Temperature detection | Heat roller contact thermistor |
| Overheating prevention | Heat roller Contact thermostat |
| Neutralizing | Neutralizing brush (paper, fixing pressure roller) |

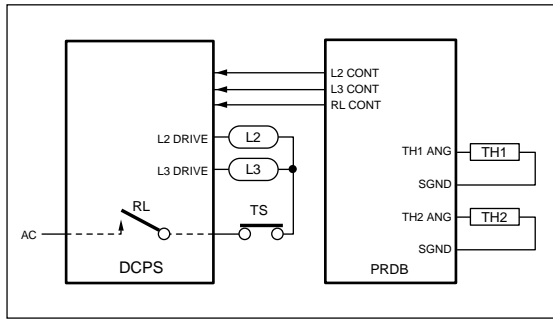


Fixing roller pressure/release

The pressure on the fixing roller is released by opening of the fixing guide.



[3] Fixing Temperature Control



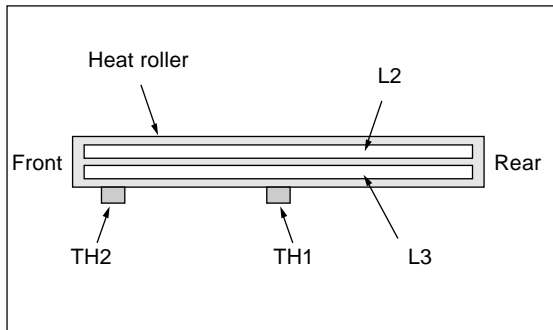
The fixing heat roller is heated by lamps L2 (fixing heater lamp 1) and L3 (fixing heater lamp 2). The PRDB (printer drive board) detects the temperature on the roller by means of TH1 and TH2 (fixing temperature sensor 1 and 2), and controls L2 and L3 accordingly via the DCPS (DC power source).

1. Operation

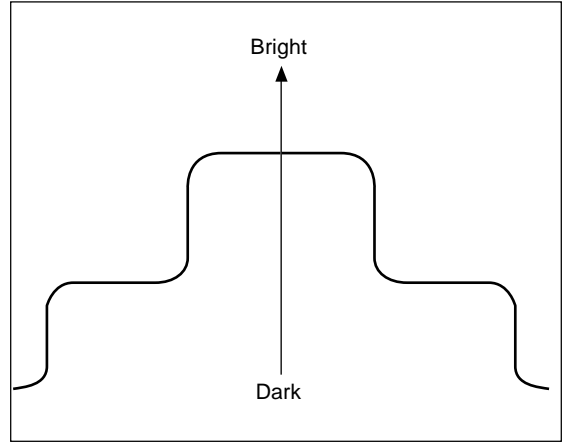
a. Temperature control

(1) Warm-up

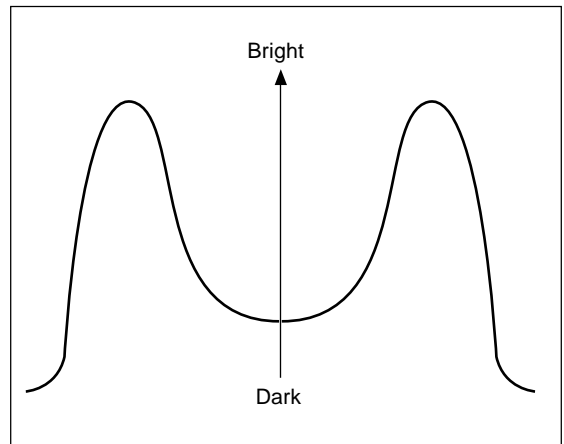
The PRDB turns on the fixing heater lamp circuit within the DCPS immediately when power comes on, and holds L2 and L3 on until the fixing heat roller reaches the specified temperature. L2 and L3 have different light (heat) distribution characteristics (see illustration below), and control temperature through TH1 and TH2.



L2 light distribution characteristics



L3 light distribution characteristics



Once warm-up has completed, the PRDB switches L2 and L3 ON and OFF as necessary to maintain the set temperature.

⚠ (Warm up time)

Other than 7035: Within 30 seconds (from room temperature of 20°C).

7035/7135: Within 45 seconds (from room temperature of 20°C).

(2) Idling

L2 and L3 go ON/OFF repeatedly so as to maintain the temperature between 191°C and 187°C (U.S.A.)/202°C and 187°C (Europe).

(3) Copying

(When feeding from any trays other than the by-pass tray)

- ⚠ Temperature control during copying goes ON/OFF repeatedly so as to maintain temperature at about 194°C. If the selected size is small (B5R, B6R, A5R, or 5.5x8.5R), then although L2 and L3 both go ON/OFF repeatedly control is for the most part implemented by L2 only (so as to prevent overheating at the ends of the fixing roller).

(When feeding from the bypass tray)

The temperature is held approximately 10°C higher than the temperature indicated above. Where OHP has been selected using the application function, control is the same as for normal copying.

(Doble sided copying)

Temperature is held about 5°C lower than the temperature used when feeding from any tray other than the by-pass tray.

(4) Low-power mode

- ⚠ L2 and L3 go ON/OFF repeatedly so as to maintain the temperature at about 85°C (about 170°C in the case of the 7035/7135, about 150°C in the case of the 7122).

The temperature for low power mode can be changed by 25 mode DIPSW.

b. Protection against abnormality

A thermostat (TS) in contact with the fixing heat roller protects against overheating of the roller. The operating temperature of TS is shown below.

TS: Approximately 220°C

2. Signals**a. Input signals****(1) TH1 ANG (TH1 → PRDB)**

TH1 output signal.

Outputs a voltage that varies according to the surface temperature at the center of the fixing heat roller. This signal is used both for normal temperature control and for detection of heating error (overheating, etc.).

(2) TH2 ANG (TH2 → PRDB)

TH2 output signal.

Outputs a voltage that varies according to the surface temperature at the ends of the fixing heat roller. This signal is used both for normal temperature control and for detecting of heating error (overheating, etc.).

b. Output signals**(1) L2 DRIVE (DCPS → L2)**

AC (N) power line for L2.

Sets AC power on and off in accordance with the L2 CONT signal.

(2) L3 DRIVE (DCPS → L3)

AC (N) power line for L3.

Sets AC power on and off in accordance with the L3 CONT signal.

(3) L2 CONT (PRDB → DCPS)

L2 ON/OFF control signal.

[L]: L2 ON

[H]: L2 OFF

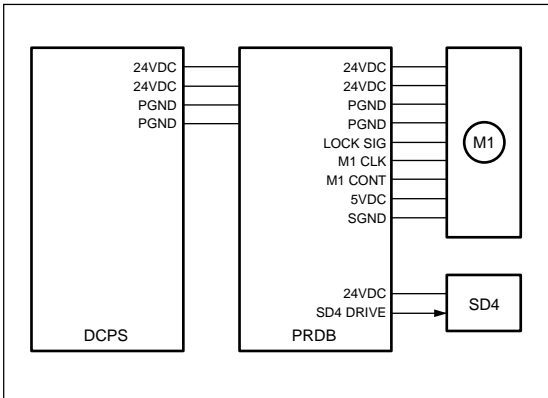
(4) L3 CONT (PRDB → DCPS)

L3 ON/OFF control signal.

[L]: L3 ON

[H]: L3 OFF

[4] SD4 (Cleaning Web SD) Control



SD4 (cleaning web SD) is controlled by the PRDB (printer drive board).

1. Operation

SD4 (cleaning web SD) is set ON by PS2 (fixing exit PS), stays ON for 100msec, and then goes OFF. However, that SD4 does not come at all for certain copy counts.

2. Signals

a. Output signal

(1) SD4 DRIVE (PRDB → SD4)

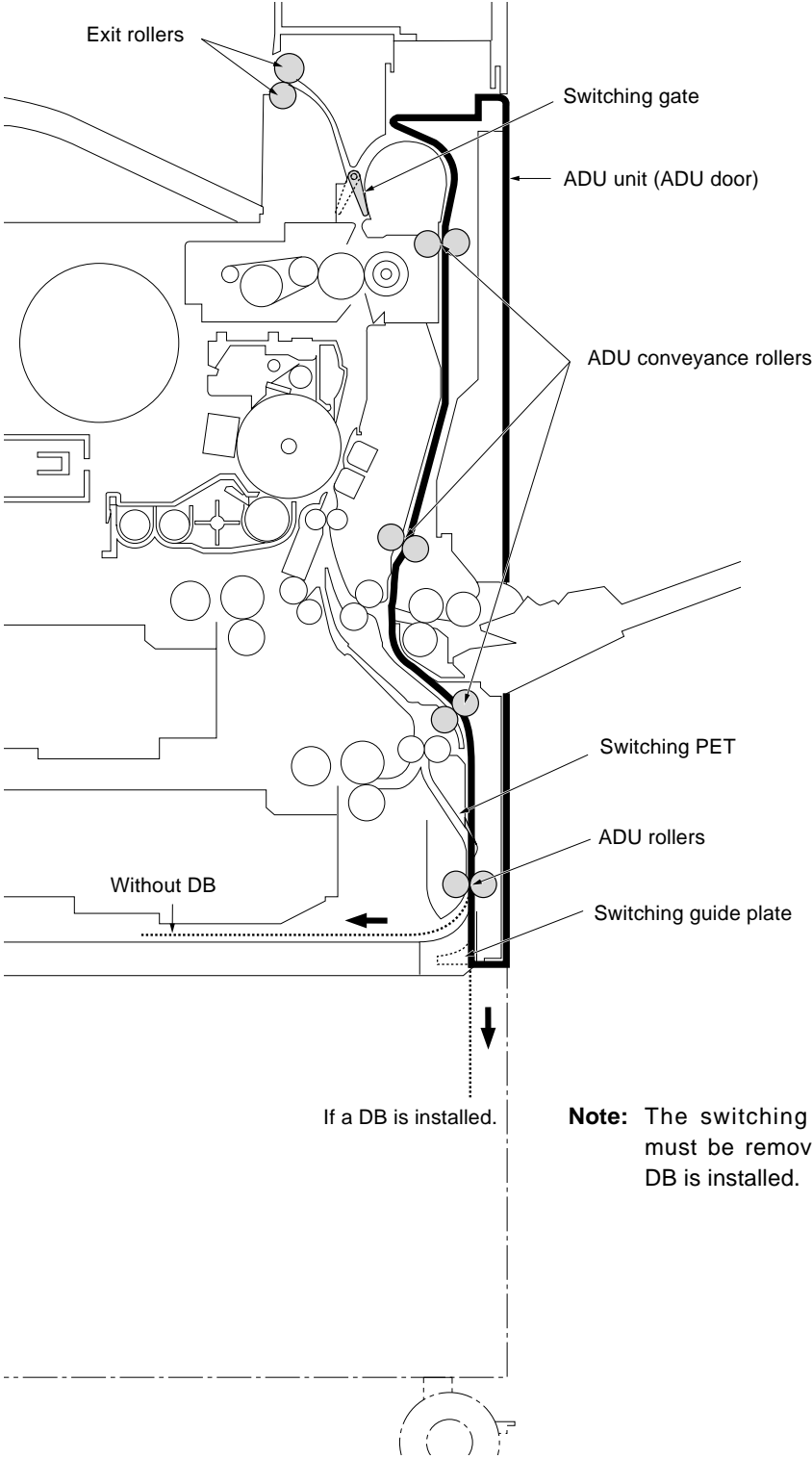
[L]: SD4 ON

[H]: SD4 OFF

ADU/PAPER EXIT SECTION

[1] Composition

1



[2] Mechanisms

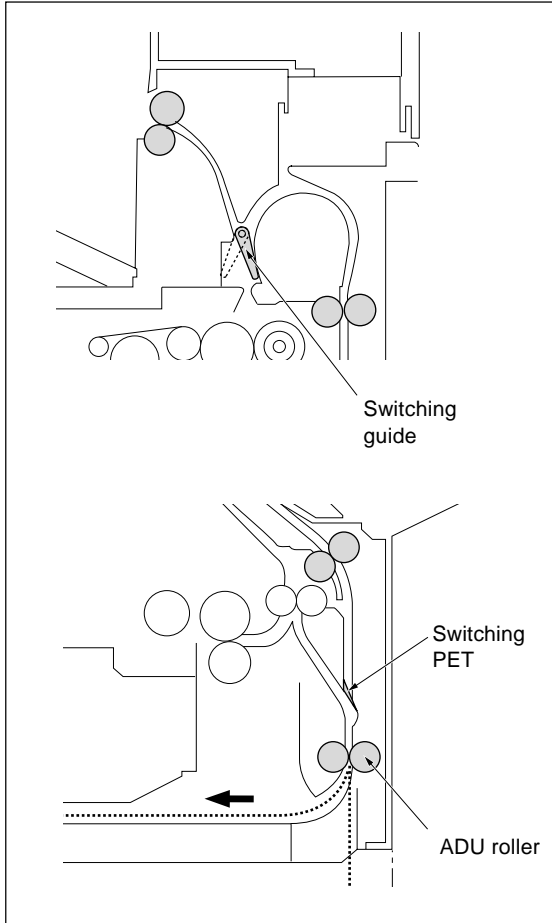
| Mechanism | Method |
|---------------------------|--------------------------------|
| Paper path switching (*1) | Switching guide, Switching PET |
| Paper conveyance | Roller conveyance |

*1: Switching of the paper path

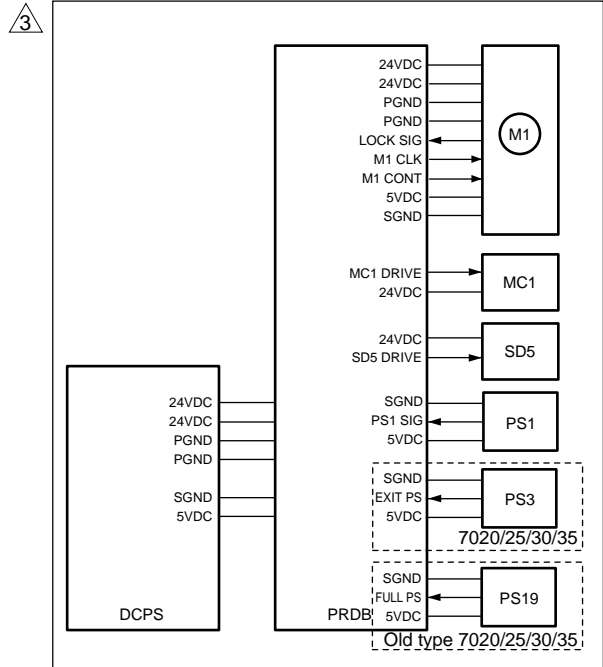
The switching guide directs the paper that exits from the fixing unit to either to the exit area or to the ADU unit.

• Switching operation

For double sided copies, the switching guide directs the paper to the rear side of the ADU door. The trailing edge of the sheet reaches the point just in front of the ADU rollers, at which point the switching mylar returns the sheet to the feed path, the ADU rollers reverse direction, and the sheet is conveyed back to the drum unit.



[3] Paper Exit/ADU Conveyance Switching Control



③ The paper exit unit's SD5 (ADU gate SD) switches the conveyance path toward either the exit or the ADU unit.

The paper is conveyed by M1 (main motor) and M9 (paper feed motor), and M1 and SD5 are controlled by PRDB (printer drive board). M1 and SD5 are controlled by the PRDB (printer drive board). Related signals are MC1 (registration clutch), PS19 (exit limit detect PS), PS2 (fixing exit PS) and PS3 (paper exit PS).

Caution : In the case of a machine other than the 7020/25/30/35, the function normally performed by PS3 is performed by PS2. PS19 is installed only on old type 7020/25/30/35 machines.

1. Operation

a. Control of paper exit/ADU conveyance switching

In single sided copy mode, SD5 remains OFF and paper exits straight to the exit unit. In double sided copy mode, SD5 comes ON during copying of the front side, so that the paper is conveyed into the ADU unit. The ADU unit inverts the paper so that the back side of the paper is copied. When PS2 goes OFF by the last paper, SD5 goes OFF, so that paper is directed to the exit.

2. Signals

a. Input signal

- ③ (1) FULL PS (PS19 → PRDB)
Paper exit limit detect signal.
(Old type 7020/25/30/35 only)

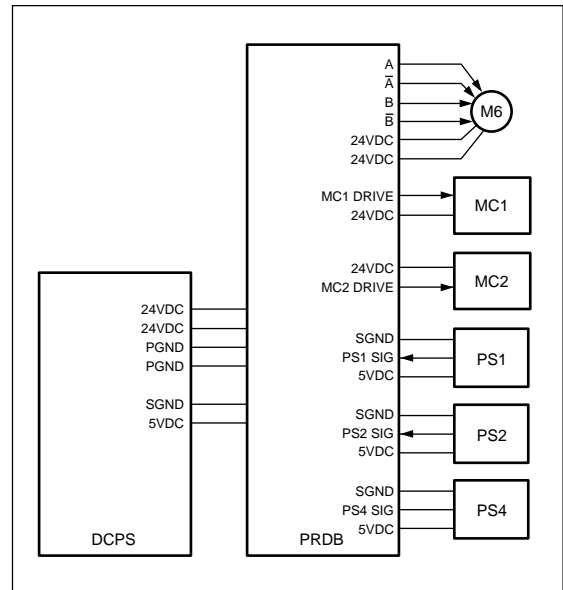
Goes [H] when the exit section is full, causing display of message indicating that paper should be removed. It is selectable to stop the machine when PS19 is ON according to a setting in 25 mode.

The paper exit limit of a copying machine that does not have PS19 (7022/7130 and new type 7020/25/30/35) differs depending upon the setting of the 25 mode.

b. Output signal

- (1) SD5 DRIVE (PRDB → SD5)
SD5 drive control signal.
[L]: SD5 ON (Convey to ADU)
[H]: SD5 OFF (Straight to exit only)

[4] ADU Conveyance Control



M6 (ADU motor), a 24V DC step motor, drives the ADU rollers that drive the conveyance. When paper directed to the ADU side by SD5 reaches PS4 (ADU PS), M6 operates as necessary (forward, stop, reverse) to direct the paper to the drum unit so that copy can be made to the back side. M6 and PS4 are controlled by the PRDB (printer drive board). Related signals are MC1 (registration clutch), MC2 (loop clutch), PS1 (registration PS) and PS2 (fixing exit PS).

1. Operation

a. Feed control

M6 comes ON when paper reaches PS4, so that the paper is conveyed further by the action of the ADU rollers. M6 goes OFF when PS4 detects the trailing edge of the paper, and at a predetermined time interval thereafter M6 comes back ON in reverse so as to convey the paper in the opposite direction. The reversed paper passes through the switching PET and is conveyed to the registration area, where the loop rollers move it on to the drum.

2. Signals

a. Input signals

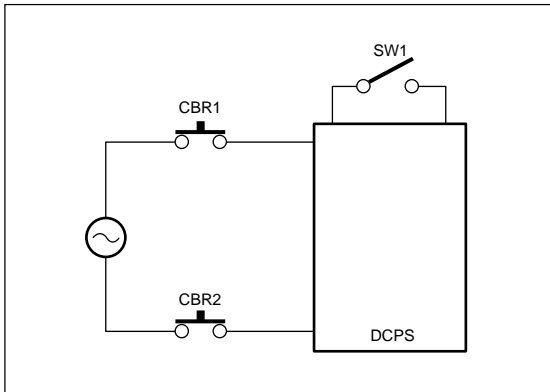
- (1) PS4 SIG (PS4 → PRDB)
Detects paper passage through ADU roller area.
Goes [H] when paper is detected.
- (2) PS2 SIG (PS2 → PRDB)
Detects paper passage through fixing unit's exit.
Goes [H] when paper is detected.

b. Output signal

- (1) M6 A, \bar{A} , B, \bar{B}
(PRDB → M6)
M6 drive control signals.

OTHER CONTROLS

[1] Parts Energized When the Main Power Switch is OFF



The following components are powered regardless of whether the SW1 (main power switch) is ON or OFF, provided that the power cord remains plugged in.

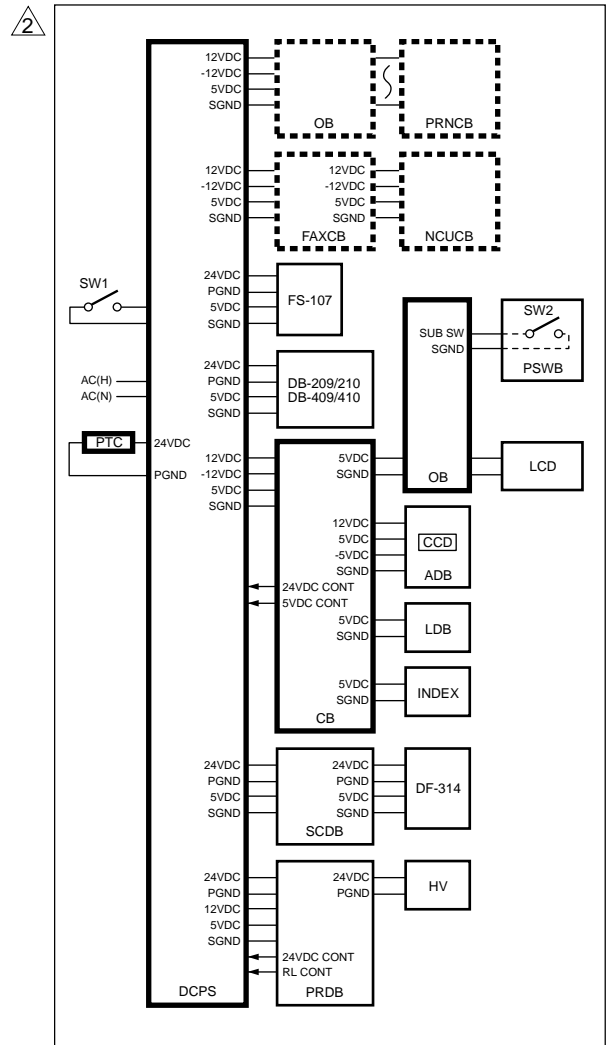
a. CBR1 and CBR2 (circuit breakers)

The circuit breakers serve to protect against damage from short circuit. If current exceeds 8A, the circuit breaker(s) will go OFF, cutting the power to the system.

b. DCPS (DC power supply)

Supplies power to each unit and also controls the ON/OFF state of the fixing lamp.

[2] Components Operated by Power Switches SW1 and SW2



1. Operation

a. Components operated by SW1 (main power switch)

- DCPS (DC power supply)
- CB (overall control board)
- OB (operation board)

- ③ • PTC (PTC heater) : (Treated as spare parts in the case of machines other than the 7020/25/30/35.)

Setting SW1 ON supplies power to the DCPS, which in turn supplies +12VDC, -12VDC, and +5VDC to some of the circuits on the CB. The CB supplies +5VDC to the OB.

If printer and/or fax options are installed, +12VDC, -12VDC, and +5VDC are also supplied to these options.

Supply of 24VDC to PTC is set by 25 mode DIPSW.

b. Components operated by SW2 (sub power switch)

- All others

SW2 (sub power switch) is located on the PSWB (power switch board). At SW2 ON, the CB sends a control signal to the DCPS, causing the DCPS to supply +12VDC, 12VDC, and +5VDC to all CB circuits and to the PRDB. The PRDB then sends to the DCPS a control signal that causes the DCPS to generate 24VDC. This 24VDC power is supplied to all drive boards and options.

2. Signals

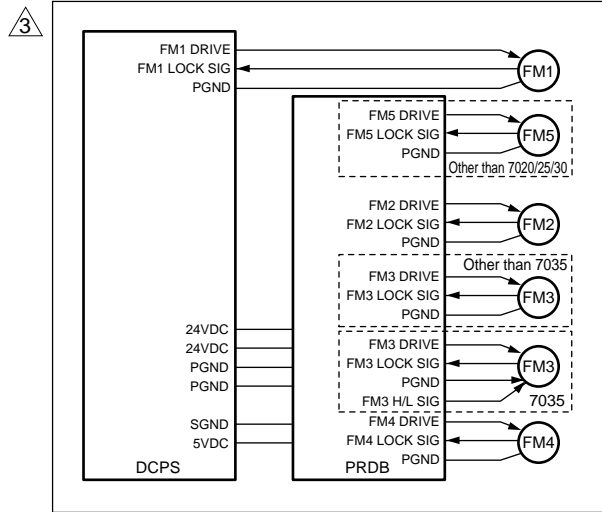
a. Input signal

- (1) SUB SW (PSWB → OB)
Goes [L] when SW2 is turned ON.

b. Output signal

- (1) RL CONT (PRDB → DCPS)
Control signal for RL1 on the DCPS.
In the event of abnormality, this signal goes [H] so that RL1 goes OFF.

[3] Fan Control



- ③ FM1 (DC power supply cooling fan) and FM5 (developing suction fan : other than 7020/25/30) are driven by the DCPS (DC power supply), and FM2 (fixing cooling fan), FM3 (internal dehumidifying fan) and FM4 (internal cooling fan) are driven by the PRDB (printer drive board).

1. Operation

All fans use 24V DC motors.

a. FM1

Cools the DC power supply unit.
FM1 runs only during copy operation.

③ b. FM2

Cools both edges of the paper immediately after the fixing process, in order to prevent curling of small size paper.
FM2 comes ON at start of copying if paper size is B5R, B6R, A5R, or 5.5x8.5R. FM2 goes OFF 60 seconds after PS3 (paper exit PS) (PS2 (fixing exit PS) in the case of machines other than 7020/25/30/35) detects the trailing edge of the final paper.

③ c. FM3

Ventilates the inside of the fixing unit in order to remove water vapor generated in the read section by heat from the fixing unit.
FM3 comes on only during copying. FM3 goes OFF 60 seconds after PS3 (PS2 in the case of machines other than 7020/25/30/35) detects the trailing edge of the final paper.

d. Operation of FM4

FM4 cools the inside of the machine in order to prevent toner from sticking when the temperature is higher than the set value.

If the machine temperature sensor on the TCSB (toner control sensor board) detects a temperature of 43°C inside the machine, it judges that the temperature in the machine has risen, and turns ON FM4. When this sensor subsequently detects a temperature of 38°C, FM4 is turned OFF. If the machine temperature sensor detects a temperature of 58°C, error code F22-1 is displayed and the machine is stopped.

③ e. Operation of FM5 (Other than 7020/25/30)

Toner that has been scattered around the developing area is sucked up by the FM5 and then passed through a duct so that it adheres to the suction filter.

FM5 goes ON in synchronism with M3 (developing motor). FM5 goes OFF after a certain interval from when M3 goes OFF.

2. Signals**a. Input signals****(1) FM1 LOCK SIG (FM1 → DCPS)**

FM1 status detect signal.

[L]: Running normally.

[H]: Stopped, or running abnormally.

(2) FM2 LOCK SIG (FM2 → DCPS)

FM2 status detect signal.

[L]: Running normally.

[H]: Stopped, or running abnormally.

(3) FM3 LOCK SIG (FM3 → PRDB)

FM3 status detect signal.

[L]: Running normally.

[H]: Stopped, or running abnormally.

(4) FM4 LOCK SIG (FM4 → PRDB)

FM4 status detect signal.

[L]: Normal rotation.

[H]: Stopped or abnormal rotation.

③ (5) FM5 LOCK SIG (FM5 → DCPS) (Other than 7020/25/30)

FM5 status detect signal.

[L]: Normal rotation.

[H]: Stopped or abnormal rotation.

b. Output signals**(1) FM1 DRIVE (DCPS → FM1)**

FM1 drive control signal.

[L]: FM1 OFF

[H]: FM1 ON

(2) FM2 DRIVE (PRDB → FM2)

FM2 drive control signal.

[L]: FM2 OFF

[H]: FM2 ON

(3) FM3 DRIVE (PRDB → FM3)

FM3 drive control signal.

[L]: FM3 OFF

[H]: FM3 ON

(4) FM3 H/L SIG (PRDB → FM3) (7035 only)

FM3 rotational speed switching signal.

[L]: Low speed rotation

[H]: High speed rotation

(5) FM4 DRIVE (PRDB → FM4)

FM4 drive control signal.

[L]: FM4 OFF

[H]: FM4 ON

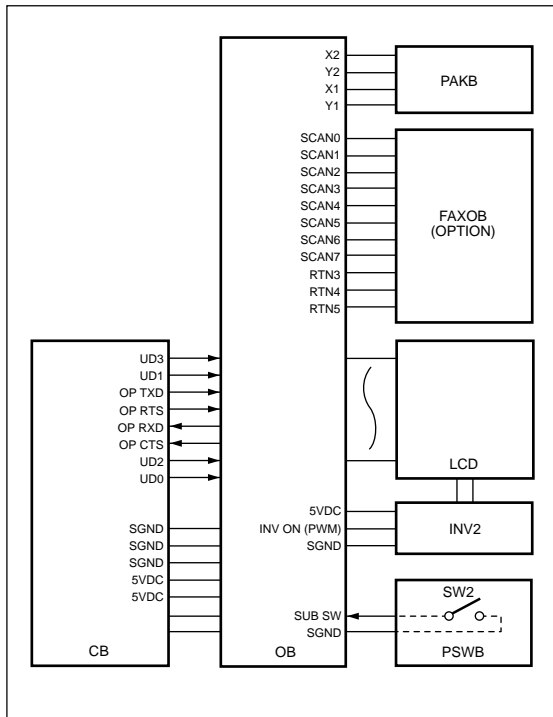
③ (6) FM5 DRIVE (PRDB → FM5) (Other than 7020/25/30)

FM5 drive control signal.

[L]: FM5 OFF

[H]: FM5 ON

[4] Operation Unit Control



The operation unit consists of the OB (operation board), LCD (display board), PAKB (panel key board), INV2 (display inverter), and PSWB (power switch board). The LCD includes a backlight (driven by INV2) as well as touch switches that are linked to the display content.

The operation unit is driven by the OB based on serial data output by the CB (overall control board).

1. Operation

a. LED ON/OFF control

The LEDs installed on the OB are driven ON/OFF by the OB's internal CPU in accordance with serial data received from the CB.

b. LCD display control

(1) LCD display operation

The LCD generates various displays in accordance with 4 bit parallel data transmitted from the CB through the OB.

(2) Backlight ON operation

The backlight (cold cathode tube) is included to make the display easier to read. The backlight is driven by the INV2, which is controlled by the OB.

(3) Touch switch control

The LCD includes touch switches that allow the user to make selection by pressing directly on the screen. These switches are controlled by the OB.

c. PSWB (power switch board) control

Switching ON of SW2 on the PSWB (power switch board) while SW1 (main power switch) is ON causes power to be supplied to all loads. Note that this switching operates only if SW1 is already ON.

2. Signals

a. Input signals

(1) OP RXD (OB → CB)

Serial data informing CB of the OB operating status.

(2) OP CTS (OB → CB)

Indicates that data transmission from the OB to CB is in progress.

While this signal is [H], the CB will not transmit OP TXD.

b. Output signals

(1) OP TXD (CB → OB)

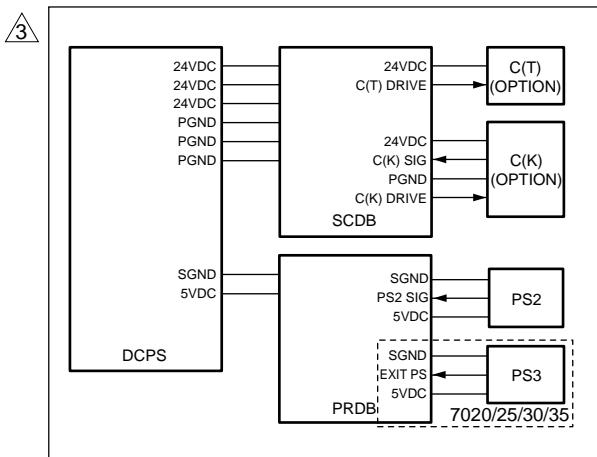
Serial data informing OB of the machine operating status.

(2) OP RTS (CB → OB)

Indicates that data transmission from the CB to OB is in progress.

While this signal is [H], the OB will not transmit OP RXD.

[5] Counter Control



This machine supports the following two optional counters.

C(T): Total Counter

C(K): Key Counter

This counters are controlled by the SCDB (scanner drive board).


1. Operation

This machine counts copies using the following two software counters.

(1) Paper feed counter

This counter increments when 1st paper feed for the next copy comes ON.

(2) Paper exit counter

 This counter increments when PS3 (paper exit PS)(PS2 (fixing exit PS) in the case of machines other than the 7020/25/30/35) goes ON -> OFF.

Counter value shown on OB

| Normal Operation | Jam |
|--|--|
| Indicator shows count from the paper feed counter. | Indicator shows count from the paper exit counter. |

2. Signals

a. Input signal

(1) C(K) SIG (C(K) -> SCDB)

Indicates the C(K) connection state.

[H]: Counter not connected.

[L]: Counter present.

b. Output signals

(1) C(T) DRIVE (SCDB -> C(T))

C(T) drive signal.

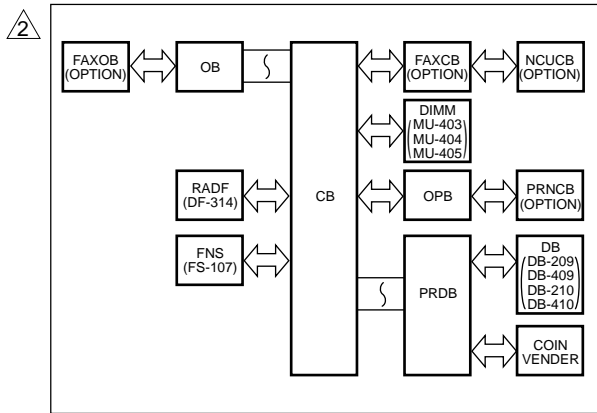
C(T) increments at [L] -> [H].

(2) C(K) DRIVE (SCDB -> C(K))

C(K) drive signal.

C(K) increments at [L] -> [H].

[6] Option Control



Options are controlled by the CB (overall control board), the PRDB (printer drive board) and the OB (operation board).

1. Operation

The RADF, FNS, FAXCB and PRNCB each include their own internal CPU. Control is implemented by communication between these CPUs and the CB on the main body. The DB does not include a CPU, and is driven by the CB via the PRDB. (For information about operation of options, refer to options service handbook and the printer and fax service handbooks.)

△ <Operation of copy vender signals>

| Connector No. | Pin No. | Signal Name | Contents | Output Timing | Signal Type |
|---------------|---------|---------------|---------------------------------|---|-------------|
| 35 | 1 | DC24V | Key counter power source | Always | 24V, 300mA |
| | 2 | C(K)SIG | Key counter connection check | — | — |
| | 3 | C(K)GND | Signal ground | | |
| | 4 | C(K)DRIVE | Key counter increment | Goes (L) 100ms after output of paper | |
| | 5 | P.GND | Power ground | — | |
| 36 | 1 | Vender Copy | Copy-in-progress signal | Output starts at START button ON, and ends at paper exit completion. | |
| | 2 | Vender FEED | Paper feed signal | Goes (L) for 100ms in sync with paper feed from main body tray and DB. | |
| | 3 | Paper size 0 | Paper size signal | The signal is output when the paper size is changed. | |
| | 4 | Paper size 1 | | | |
| | 5 | Paper size 2 | | | |
| | 6 | Paper size 3 | | | |
| | 7 | Vender duplex | Double sided copy select signal | The signal is output when duplex mode is selected. | |
| | 8 | CPF SIG 0 | CPF mode selection signal | The signal is output when the copy, printer and fax modes are selected. | |
| | 9 | CPF SIG 1 | | | |
| | 10 | P.GND | Power ground | — | — |

Blank

3


DISASSEMBLY/ASSEMBLY

This section explains how to disassemble and reassemble the machine. When disassembling and reassembling the machine, follow the precautions given below.

1. Be sure the power cord has been unplugged from the wall outlet.
2. The disassembled parts must be reassembled following the disassembly procedure in reverse unless otherwise specified.
3. Care should be taken not to lose small parts. Care should also be taken not to install small parts in wrong places.
4. Do not operate the machine before installing all the disassembled parts completely.
5. Removal of some screws is prohibited in this section. Never loosen them.

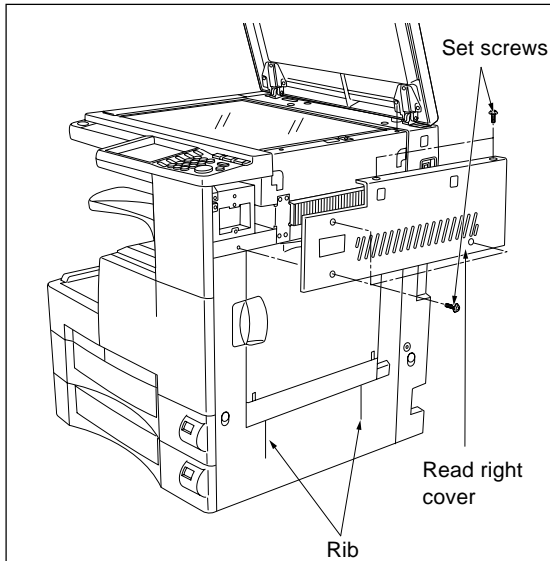
EXTERNAL SECTION

[1] Replacing the Ozone Filter

 **Caution:** Be sure that the power cord has been unplugged from the outlet.

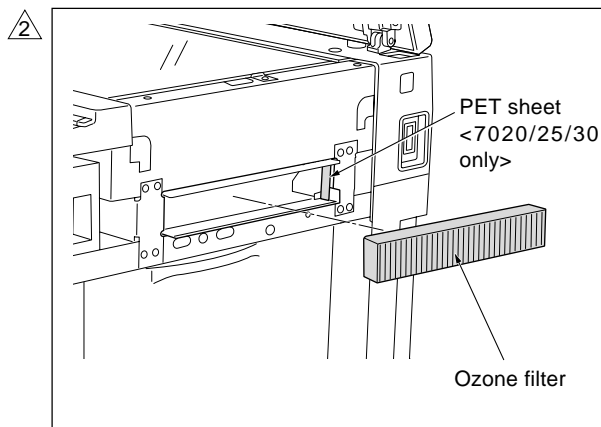
a. Procedure

- (1) Remove the five set screws, and remove the read right cover.

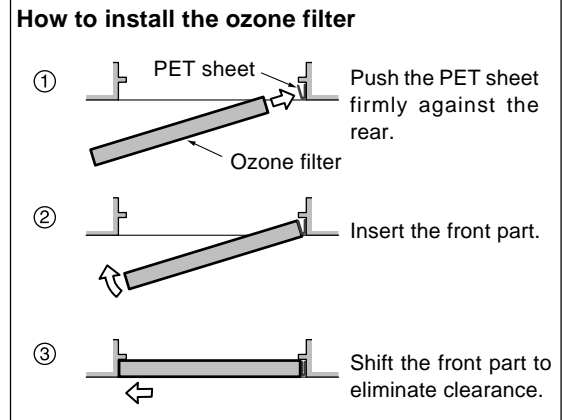


Note: If an unusual noise is emitted when you open or close the bypass tray, clean the ADU door rib with alcohol.

- (2) Remove the ozone filter.



- (3) Reinstall the above parts following the removal steps in reverse.



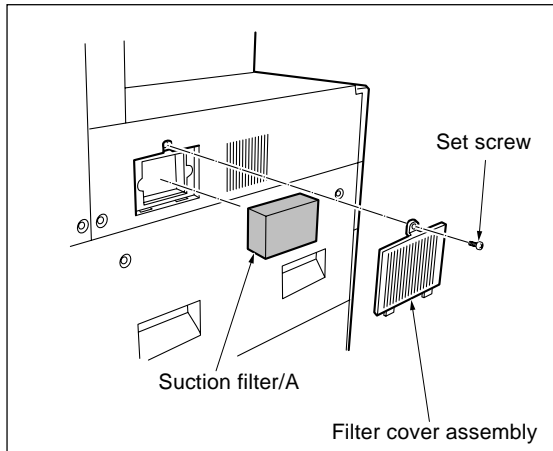
Caution: When installing the ozone filter, take care not to break it.

[2] Replacing the Filter Cover Assembly and Suction Filter/A (Other Than 7020/25/30)

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

a. Procedure

- (1) Remove the set screw, then remove the filter cover assembly.
- (2) Remove the suction filter/A.



- (3) Reinstall the above parts following the removal steps in reverse.

⚠ Caution: For installation of suction filter/A of model 7135, white filter face should be faced toward inside the machine.

DRIVE SECTION

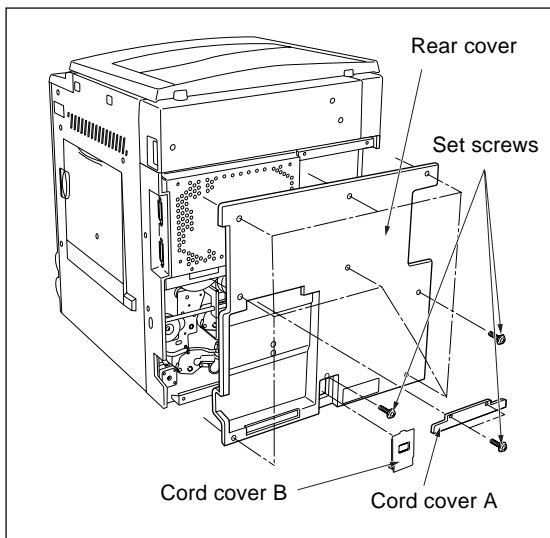
[1] Removing and Reinstalling the Motor units (Main, Paper Feed, Developing)

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

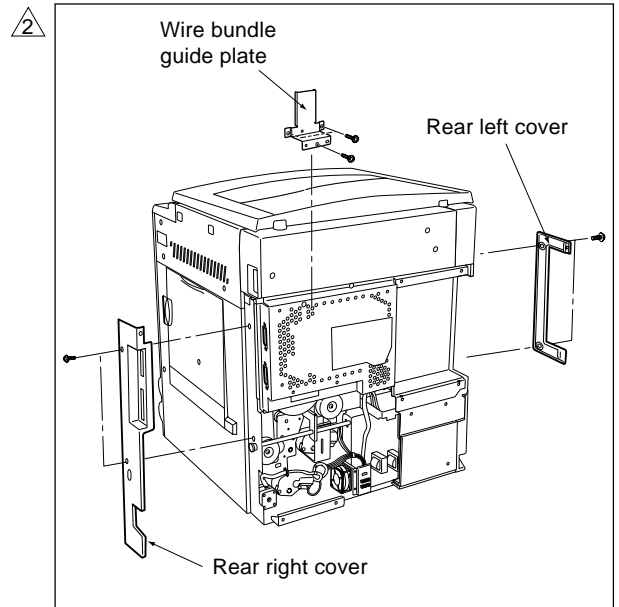
⚠ Caution: Be sure to remove the drum unit from the main body before removing or reinstalling the main motor unit. If the drum unit is in place at this time, the drum will rotate when you install or remove the drum rotating plate, resulting in possible damage to the cleaning blade.

a. Procedure

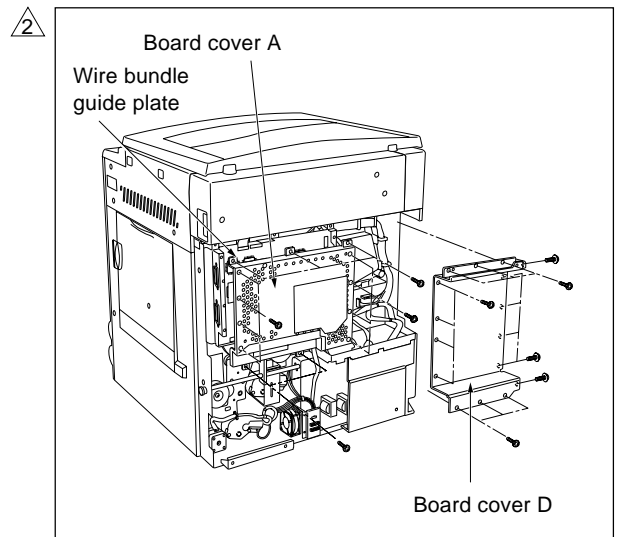
- (1) Remove the developing unit and drum unit from the main body.
- (2) Remove the 2 set screws, and remove the cord cover A. Then remove the cord cover B.
- (3) Remove the 9 set screws, and remove the rear cover.



- (4) Remove the 2 set screws holding the left and right rear covers in place (2 screws each), and remove the covers.
- (5) Remove the 3 set screws, and remove the wire-bundle guide plate.



- (6) Remove the 16 set screws, and remove the board cover D.
- (7) Remove the 13 set screws, and remove the board cover A.

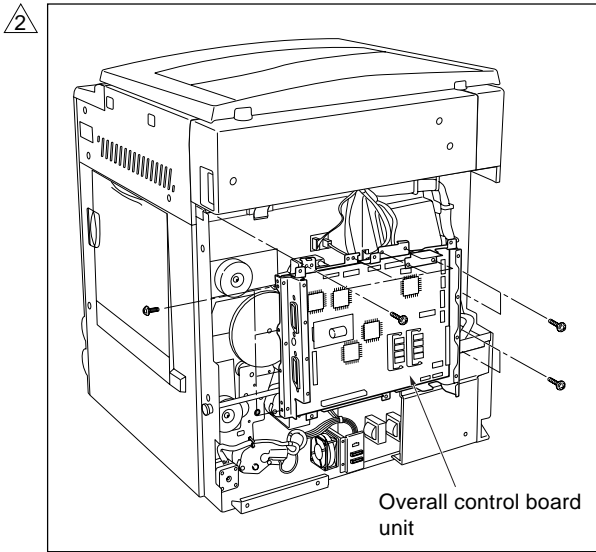


- ⚠ (8) Remove the various wiring connectors from the overall control board.

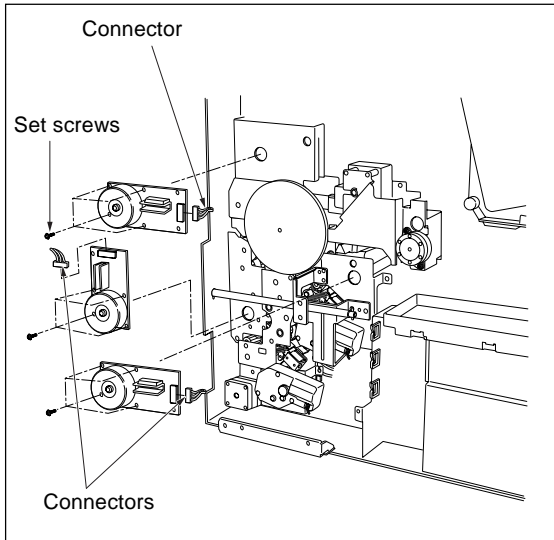
Caution: Be very careful when handling the ribbon cable connector from the CCD.

Refer to “[4] removing the ribbon cable” and “[5] Installing the ribbon cable”.

- (9) Remove the 12 set screws, and remove the overall control board unit.



- (10) Disconnect the connectors from each motor unit.
- (11) Remove the 4 set screws, then remove each motor unit.



- (12) Reinstall in the opposite sequence to removal.

Caution: Be careful to avoid damaging the ribbon cable connected to the overall control board.

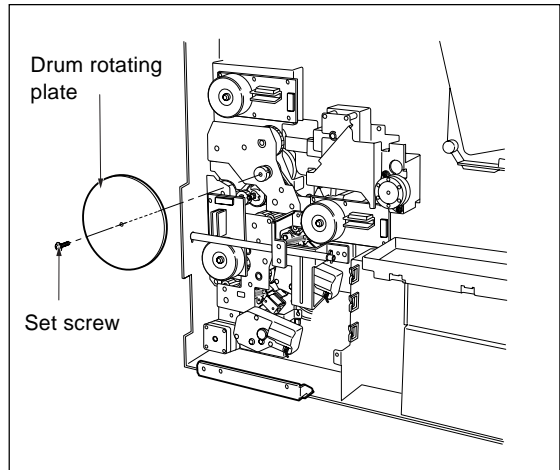
[2] Replacing the Registration Clutch

⚠ **Caution:** Be sure that the power cord has been unplugged from the outlet.

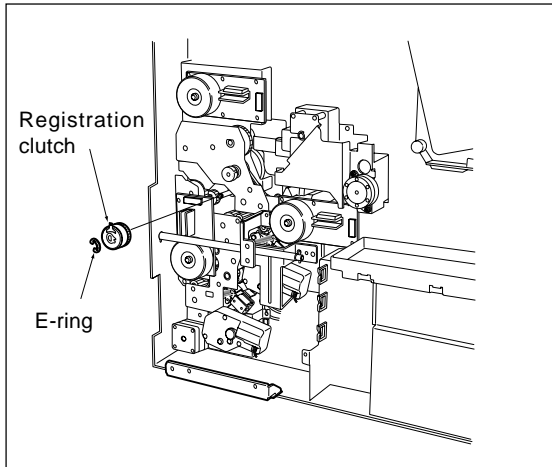
⚠ **Caution:** Be sure to remove the drum unit from the main body before carry out the following procedure. If the drum unit is in place at this time, the drum will rotate when you install or remove the drum rotating plate, resulting in possible damage to the cleaning blade.

a. Procedure

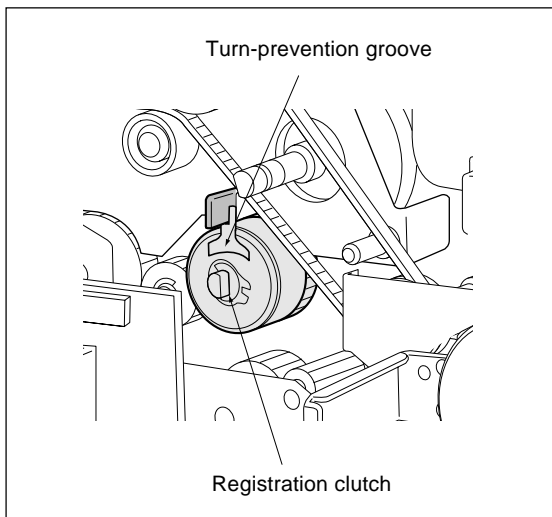
- (1) Remove the rear panel and the overall control board unit.
- ⚠ (2) Remove the set screw, and remove the drum rotating plate.



- (3) Remove the clutch connector.
- (4) Remove the E-ring. Pull the registration clutch toward you and rotate it to remove.



- (5) Reinstall in the opposite sequence to removal.



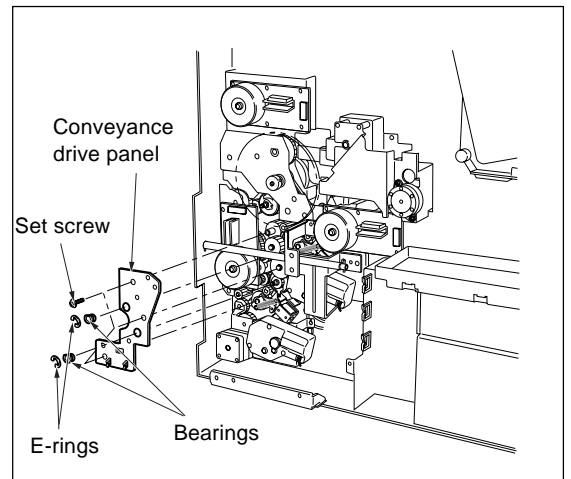
Caution: When installing the registration clutch, be sure that the clutch's turn-prevention groove is installed correctly.

[3] Replacing the Loop Clutch

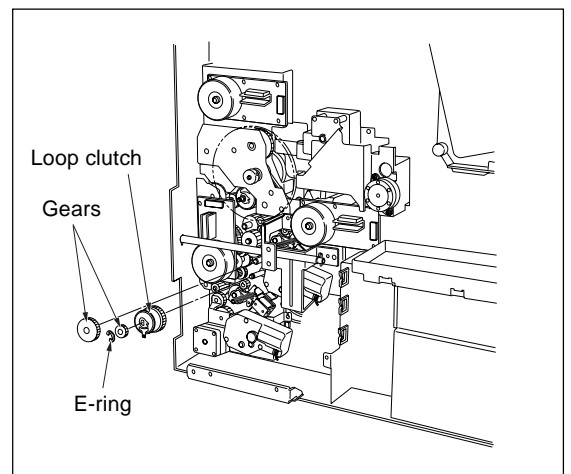
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

a. Procedure

- (1) Remove the rear panel and the overall control board unit.
- (2) Remove the wire bundle from the clamp on the conveyance drive panel.
- (3) Remove the 2 E-rings and 3 set screws, and remove the conveyance drive panel. (Do not remove the rotation prevention screws on the clutch.)



- ⚠ (4)** Remove the E-ring, then remove the gear and the connector, remove the gear at the front, and then remove the clutch.

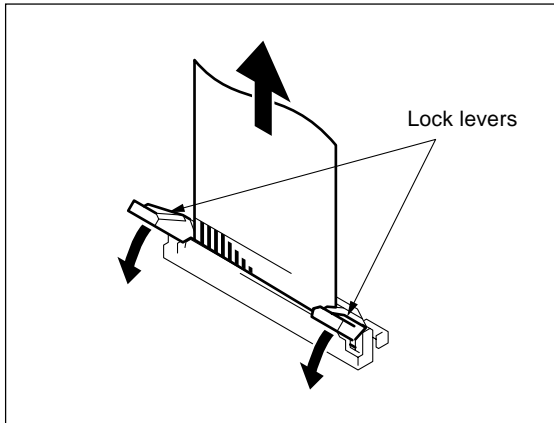


- (5) Reinstall in the opposite sequence to removal.

**⚠ [4] Removing the Ribbon Cable
(Other than 7135)**

a. Procedure

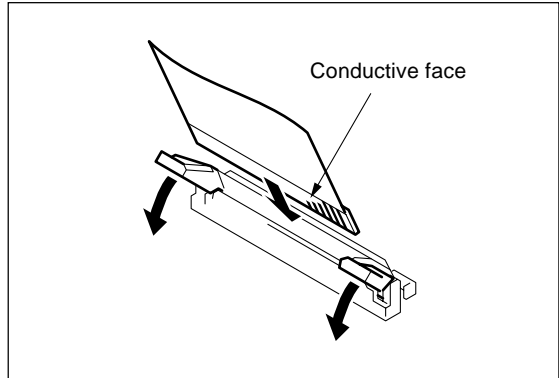
- (1) Move the lock levers forward to release the lock, then pull out the ribbon cable.



**⚠ [5] Reinstalling the Ribbon Cable
(Other than 7135)**

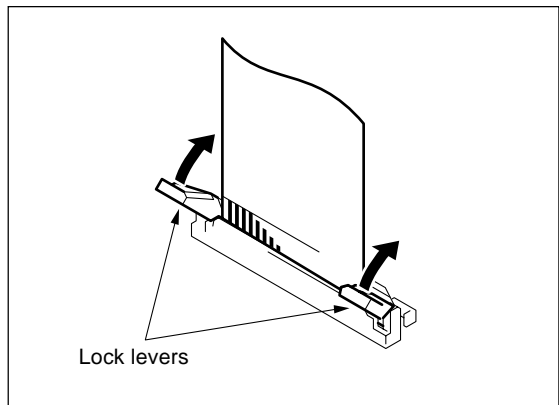
a. Procedure

- (1) Move the lock levers forward, then, while ensuring that the direction of the conductive face of the ribbon cable is correct, push the connector firmly to the rear.



- (2) Firmly push both lock levers, and lock the ribbon cable.

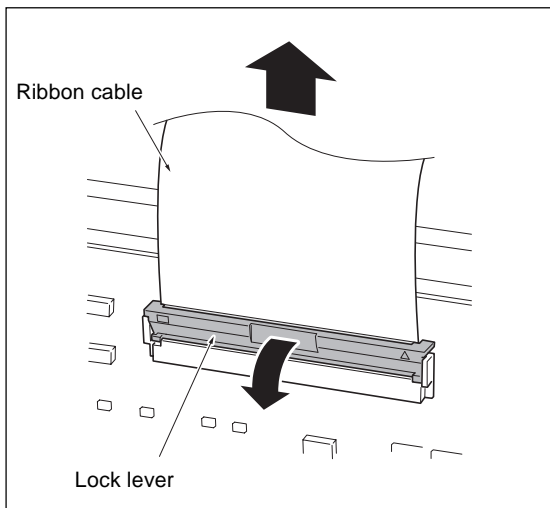
⚠ Caution: Be sure to push both lock levers together.



[6] Removing the Ribbon Cable (7135 Only)

a. Procedure

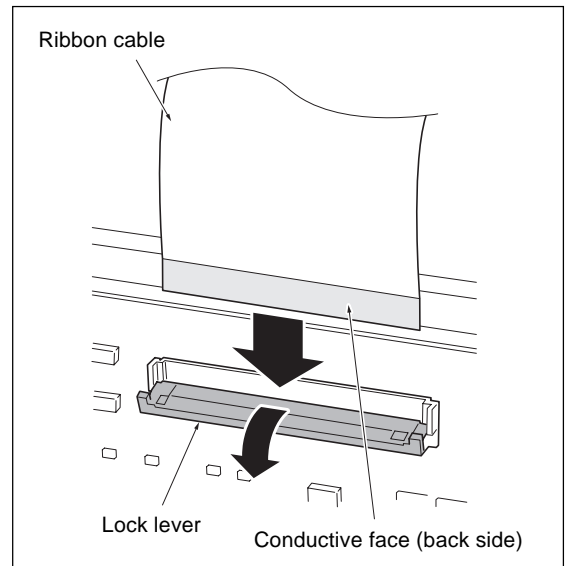
- (1) Move the lock lever forward to release the lock, then pull out the ribbon cable.



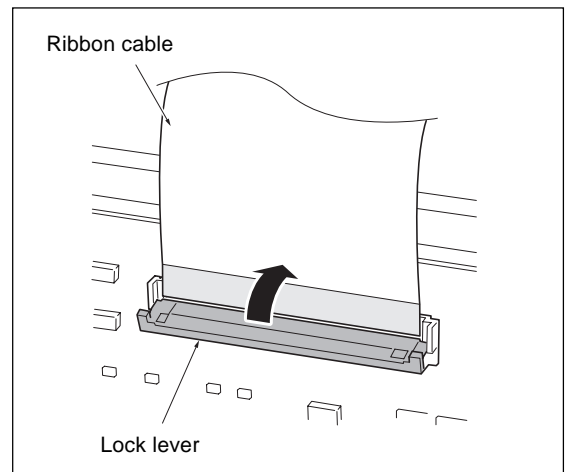
[7] Reinstalling the Ribbon Cable (7135 Only)

a. Procedure

- (1) Move the lock lever forward, then insert the ribbon cable firmly into the connector while ensuring that the conductive face of the ribbon cable is positioned on the opposite side of the lock lever.



- (2) Push back the lock lever to lock the ribbon cable.

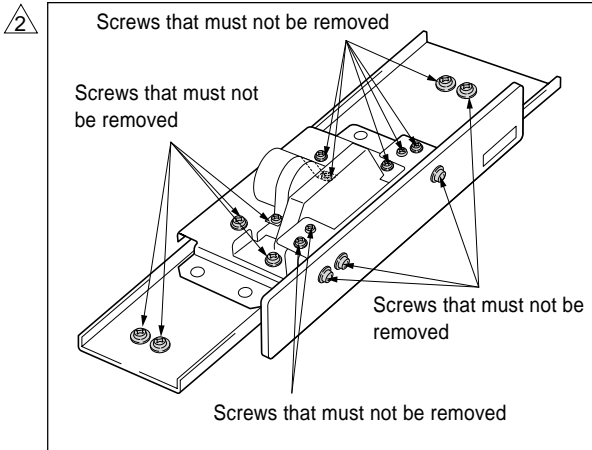


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READ SECTION

[1] Screws That Must Not be Removed

⚠ Caution: The paint-locked screws must not be removed. Be sure that you do not remove these screws.

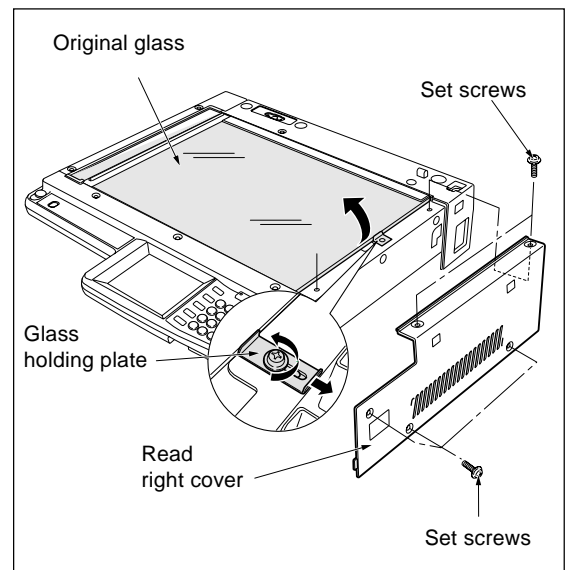


[2] Removing the Original Glass

⚠ Caution: The white color reference plate on the rear of the original glass must be kept clean. If dirt gets on the board, clean the board using a clean cloth.

a. Procedure

- (1) Remove the platen cover or the RADF.
- (2) Remove the 5 set screws, and remove the read right cover.
- (3) Loosen the set screw and slide the glass holding plate toward the outer exterior.
- (4) Raise the original glass and slide it off.



- (5) Reinstall in the opposite sequence to removal.

Caution: Be sure that the original glass is pushed flush left against the glass holding plate when fastening into place.

[3] Removing and Reinstalling the CCD unit

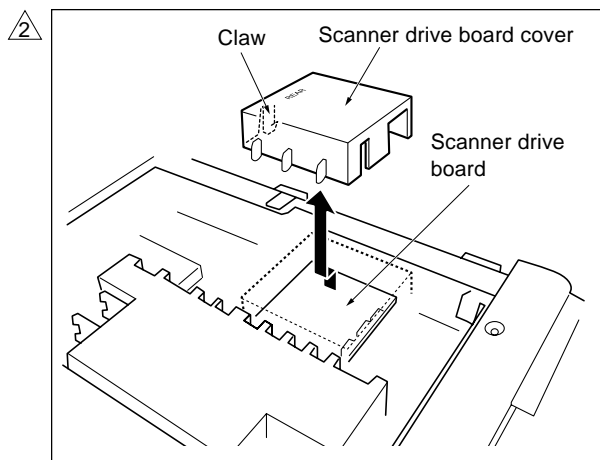
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

Caution: Be sure to perform image adjustment after installing the CCD unit. (Refer to the "Adjustment" section.)

a. Procedure

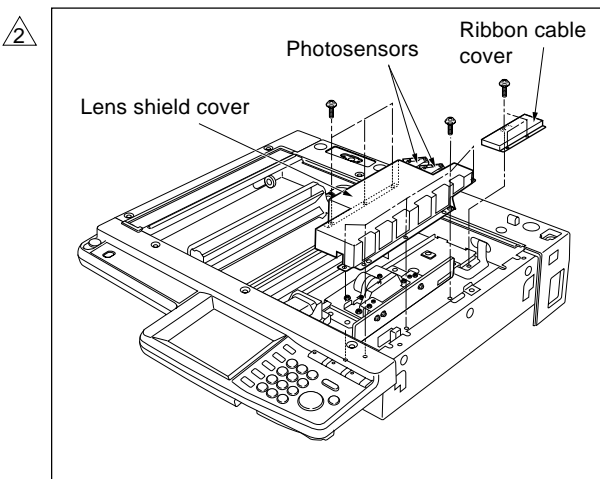
- (1) Remove the original glass.
- (2) Remove the 2 set screws, and remove the photo-sensor.

- 2 (3) Remove the scanner drive board cover while being careful not to strike the claw.

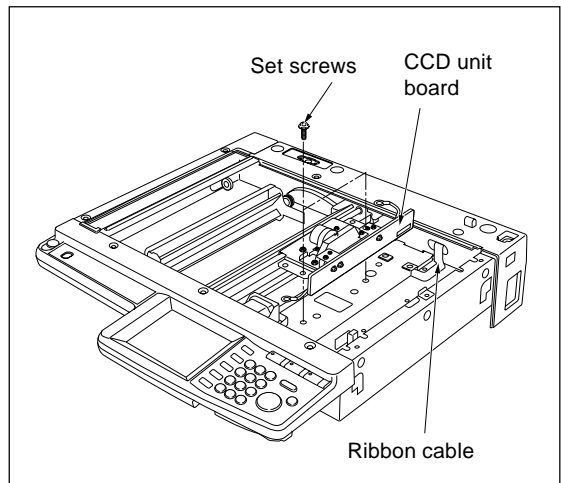


- (4) Remove the 8 set screws, and remove the lens shield cover.

- (5) Remove the 3 set screws, and remove the ribbon cable cover.



- (6) Remove the ribbon cable from the CCD unit board.
- (7) Remove the 2 set screws, and remove the CCD unit.



- (8) Reinstall in the opposite sequence to removal.
- 2 Caution: Be careful to avoid damage to the ribbon cable when removing it. When reinstalling it, be sure that it is securely in place. Be sure to install the optics drive board cover in the direction such that the word "REAR" can be read from the front of the machine.

[4] Replacing the Exposure Lamp

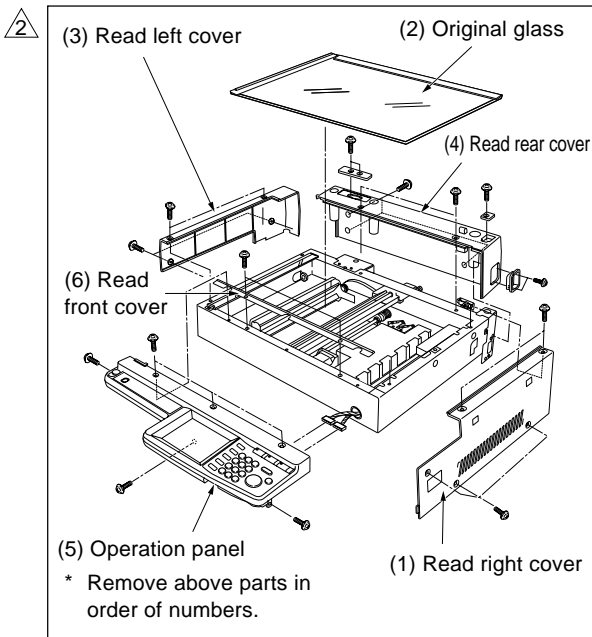
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

Do not touch the exposure lamp's lamp area with bare hands.

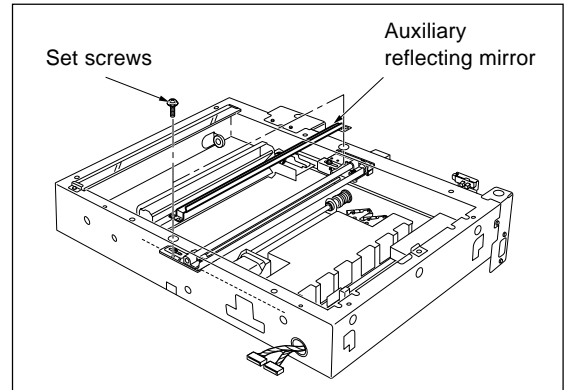
Caution: Be sure to clean original glass before reinstalling it.

a. Procedure

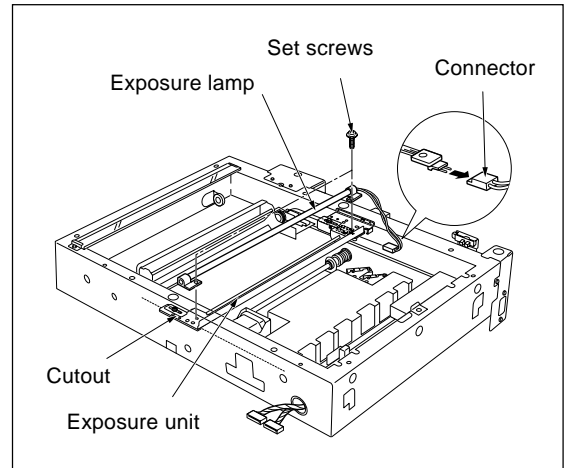
- (1) Remove the read right cover and the original glass.
- (2) Remove the operation panel, the read left cover, and the read rear cover.
- (3) Remove the 2 set screws, and remove the read front cover.



- (4) Shift the exposure unit to the cutout location at the center of the main body frame.
- (5) Remove the 2 set screws (through the holes in the frame), and remove the auxiliary reflecting mirror.



- (6) Remove the 1 connector and 2 set screws. Tilt and remove the exposure lamp.



- (7) Reinstall in the opposite sequence to removal.

Caution: Be careful when reinstalling the original glass. To install: push the glass against the left rear of the readout rear exterior, then hold the readout front cover against with glass hold plate.

And further, hold the glass plate, while pressing the cut portion of the read left cover.

[5] Removing and Reinstalling the Exposure Unit

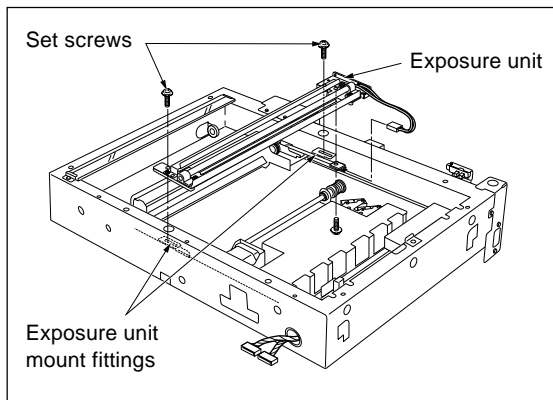
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

Caution: Be sure to use optics positioning jig when reinstalling the exposure unit.

Be sure to clean the original glass before reinstalling it (to prevent degradation of image quality).

a. Removal procedure

- (1) Remove the read right cover and the original glass.
- (2) Remove the operation panel, read left cover, and read rear cover.
- (3) Remove the 2 set screws, and remove the read front cover.
- (4) Shift the exposure unit to the cutout location at the center of the main body frame.
- (5) The exposure unit is fixed in place by set screws fastened to the front and rear exposure unit mount fittings (1 screw in each fitting). Remove the 2 screws.

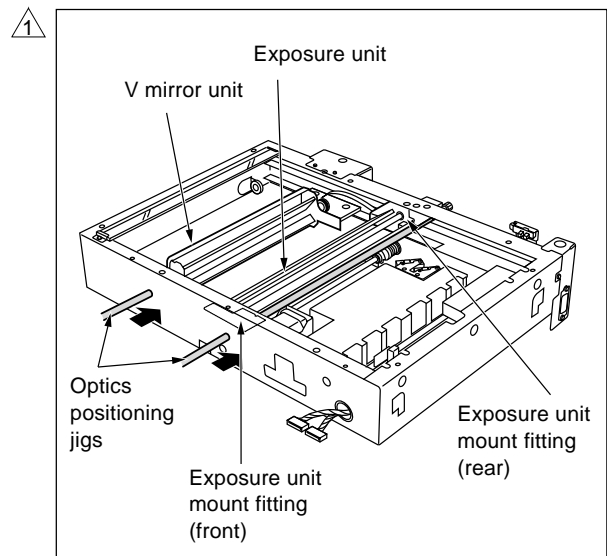


- (6) Tilt and slide the exposure unit to remove it from the frame.
- (7) Disconnect the exposure lamp connector.

b. Installation procedure

- (1) Fit the exposure unit into the main body.
- (2) Insert the front exposure unit mount fitting and rear exposure unit mount fitting into the corresponding slits in the exposure unit.
- (3) Shift the V mirror unit to the exit side. Through the front, insert the two optics positioning jigs so that they are at the installation location for the exposure unit. Pass the jig through the V mirror unit to fasten it in place.

Position the exposure unit by pushing it against the frame on the right side of the unit.

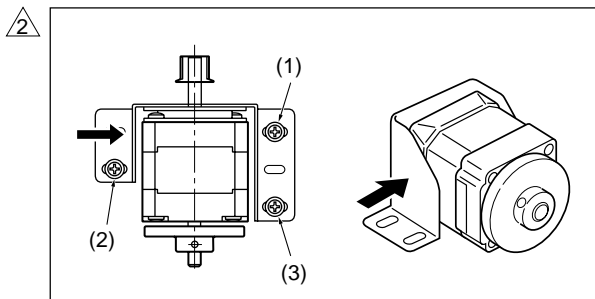
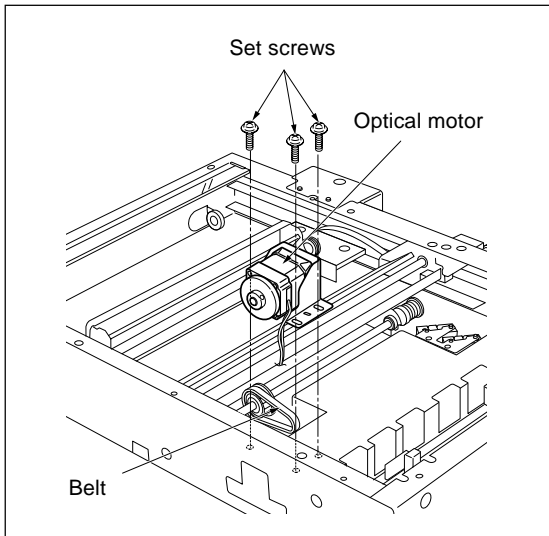


- (4) Fasten the front and rear exposure unit mount fittings into place (1 screw in each fitting).
- (5) Remove the optics positioning jigs.
- (6) Finish installation by reversing the sequence of the removal procedure.

[6] Removing and Reinstalling the Optics Drive Motor

a. Procedure

- (1) Remove the original glass.
- (2) Remove the 3 set screws, and remove the optical motor.



- ⚠ (3) When reinstalling the optics drive motor, tighten the screws in sequence while gently applying a load (approximately 1 kg) to the arrow direction.

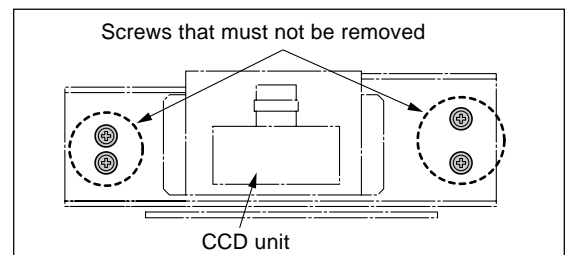
⚠ [7] Removing the Optics Wire

Caution1: There are two types of optics wire in existence (the old type: with a spring, and the new type: without a spring), so when removing them, reference should be made to the removal method for each type.

Caution2: When removing or reinstalling optics wires, be sure to use the optics positioning jig.

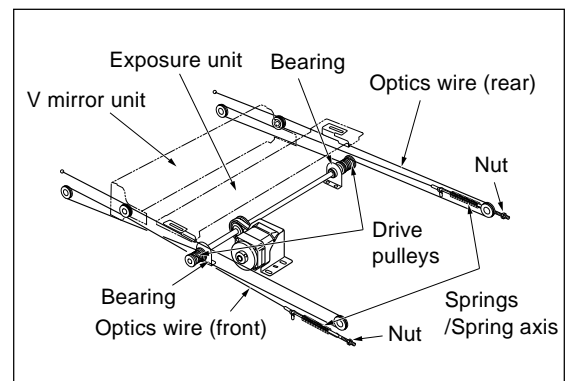
Be sure to perform image adjustment after replacing or reinstalling the wire. (For details, refer to "Adjustment section".)

Caution3: When removing optics wires, the screws shown in the figure below should absolutely not be removed.



a. Procedure (Old Type: With a spring)

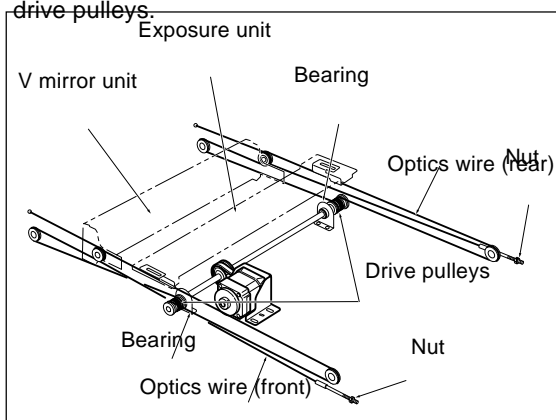
- (1) Unfasten and remove all externals from the read unit.
- (2) Shift the V mirror unit to the left side. Through the front, insert the optics positioning jig so that it is at the V mirror attachment location. Pass the jig through the V mirror unit to fasten it in place.
- (3) Remove the exposure unit.
- (4) Detach the springs and spring axes from the ends of the front and rear optics wires (1 spring on each wire), and remove the wires.
- (5) Remove the set screws holding the two drive pulley bearings in place (two screws on each pulley), and remove the bearings.
- (6) Remove the front and rear optics wires from the drive pulleys.



⚠ Caution: Do not change the position of the paint-locked nut on the spring shaft.

2 a. Procedure (New Type: Without a spring)

- (1) Unfasten and remove all externals from the read unit.
- (2) Shift the V mirror unit to the left side. Through the front, insert the optics positioning jig so that it is at the V mirror attachment location. Pass the jig through the V mirror unit to fasten the it in place.
- (3) Remove the exposure unit.
- (4) Detach the nuts and washers from the ends of the front and rear optics wires, and remove the wires.
- (5) Remove the set screws holding the two drive pulley bearings in place (two screws on each pulley), and remove the bearings.
- (6) Remove the front and rear optics wires from the drive pulleys.

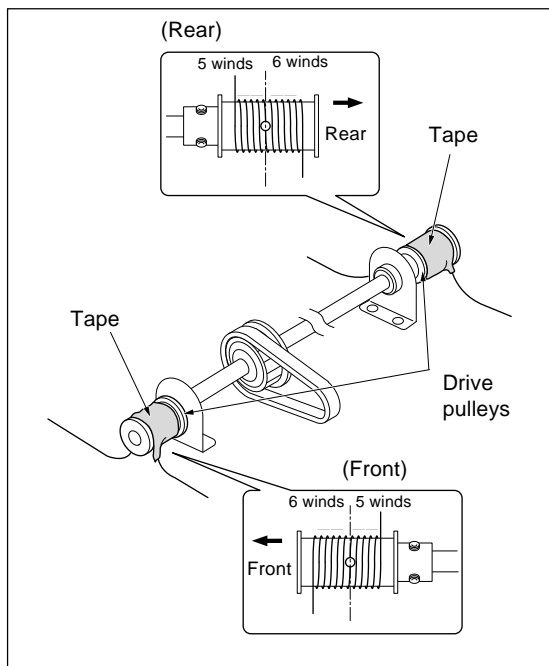


[8] Installing the Optics Wire

- Caution 1: When winding wire around pulleys, be sure that the winds are close. Be careful to avoid overlap.
- Caution 2: When changing the wire, be sure to use the optics positioning jigs.
- Caution 3: Be sure to perform image adjustment after installing the CCD unit. (Refer to the "Adjustment" section.)

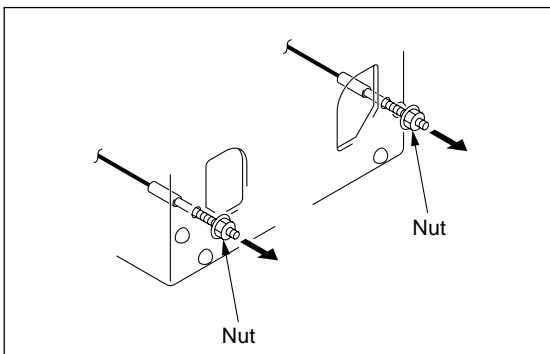
2 a. Procedure (Old Type: With a spring)

- (1) Fit the metal ball (midway along each optics wire) into the mount opening on the drive pulley. Starting from this position, wind 6 times around the outside and 5 times around the inside.
- After winding the wires, fasten them in place (with tape, etc.) so that they cannot come off.
 - Use the "F" exposure unit mount fitting (the fitting with the "F" printed on it) at the front, and use the "R" fitting at the rear.
 - The end with the metal ball at the tip winds around the inside of the pulley shaft.
 - Wind so that the two ends of the wire come off the top of the pulley.

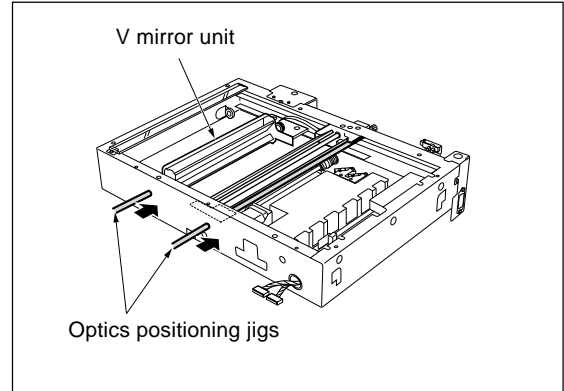
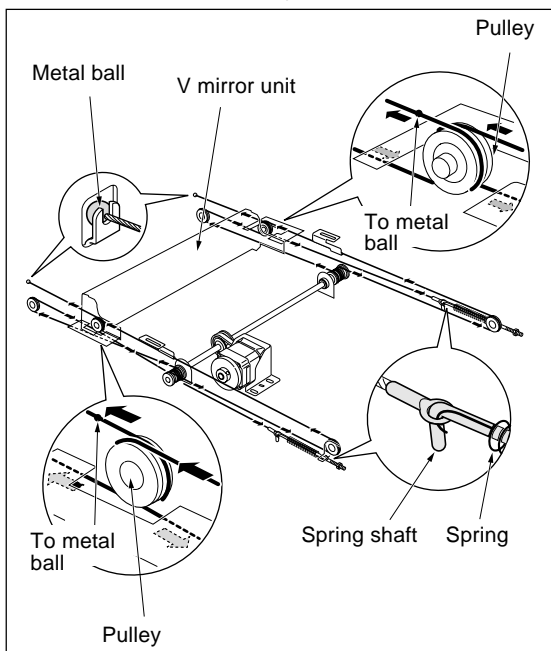


- (2) On the metal ball side, pass the optics wire so that it passes under the V mirror unit, through the left side pulley, and through the inside pulley on the V mirror unit. Hook the end of the wire onto the cutout on the frame.

- 4 (3) Pass the wire on the round-end side through the right side pulley. Then, pass the wire over the pulley on the outside of the V mirror unit, pass it under the V mirror unit, and fix it with spring shaft of the right side frame. Subsequently, hook the spring, pull the spring shift in the arrow direction, and check whether the tension of the nut departing from the read section is kept in 0.5 - 0.8 kg. If the tension is not kept in 0.5 - 0.8 kg, be sure to adjust the nut.

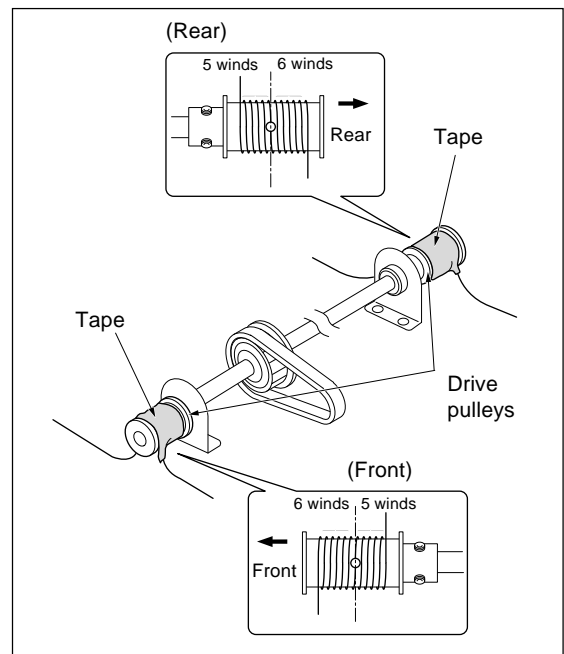


- (4) Fasten the drive pulley bearings into place with the attachment screws (2 screws each).
- (5) Using the optics positioning jigs to install the exposure unit.
- (6) Remove the jigs.
- (7) Slide the exposure unit two or three times to make sure that it works correctly.



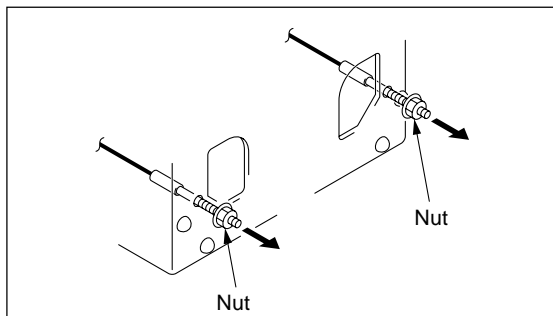
a. Procedure (New Type: Without a spring)

- (1) Fit the metal ball (midway along each optics wire) into the mount opening on the drive pulley. Starting from this position, wind 6 times around the outside and 5 times around the inside.
- After winding the wires, fasten them in place (with tape, etc.) so that they cannot come off.
 - Use the "F" exposure unit mount fitting (the fitting with the "F" printed on it) at the front, and use the "R" fitting at the rear.
 - The end with the metal ball at the tip winds around the inside of the pulley shaft.
 - Wind so that the two ends of the wire come off the top of the pulley.

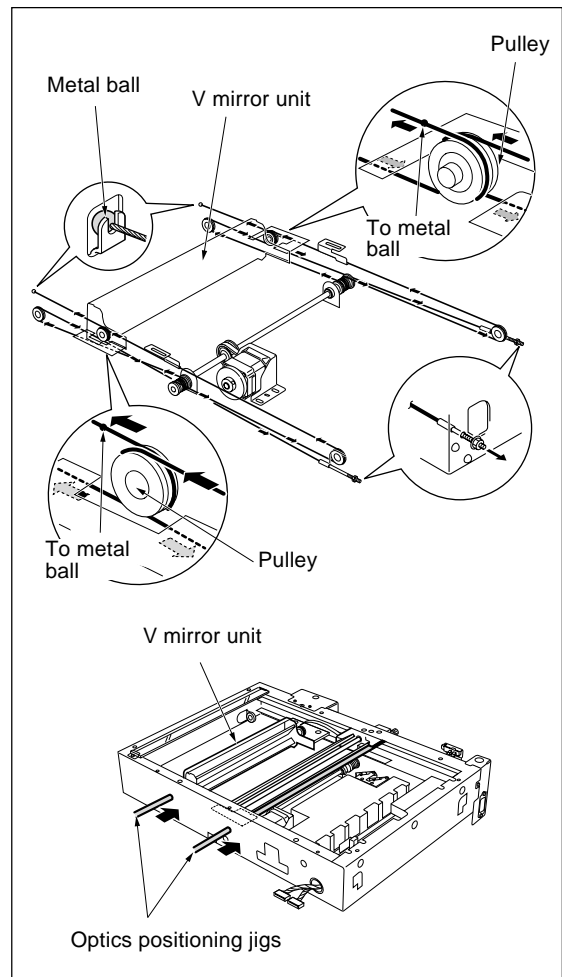


READ SECTION

- (2) On the metal ball side, pass the optics wire so that it passes under the V mirror unit, through the left side pulley, and through the inside pulley on the V mirror unit. Hook the end of the wire onto the cutout on the frame.
- (3) On the right side, pass the wire so that it passes through the right side pulley, passes over the pulley on the outside of the V mirror unit, and passes under the V mirror unit. Fasten the end to the right side frame with the spring.
- ⚠ (4) Pull the front and rear optics wires temporarily fastened with a spring balancer in the arrow direction, and fix the nuts with the tension of the nut departing from the read section kept in 0.9 - 1.5 kg.



- (5) Fasten the drive pulley bearings into place with the attachment screws (2 screws each).
- (6) Using the optics positioning jigs to install the exposure unit.
- (7) Remove the jigs.
- (8) Slide the exposure unit two or three times to make sure that it works correctly.



WRITE UNIT

[1] Removing and Reinstalling the Write Unit

⚠ Warning:

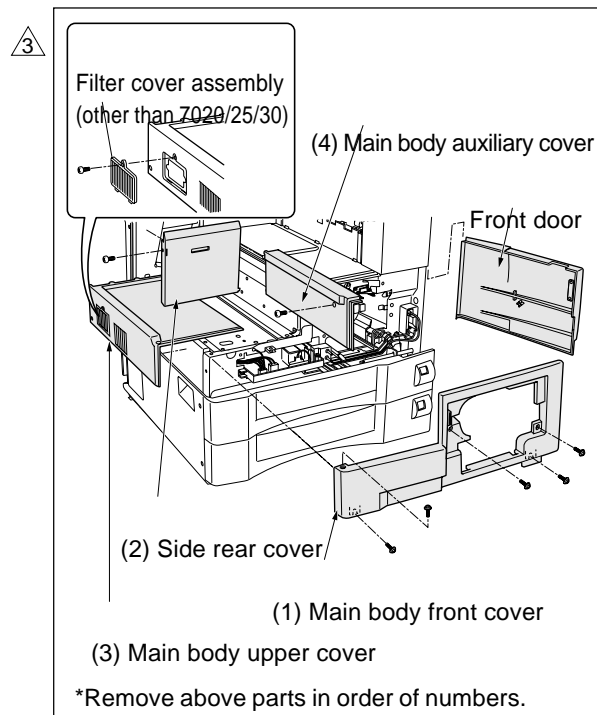
- (1) Never supply power while the write unit is out of its proper installed position.
- (2) Do not open the cover of the write unit while power is being supplied. Shining of the laser beam on the eye may cause blindness.
- (3) After turning the main power switch OFF, wait at least two minutes before removing the write unit.

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

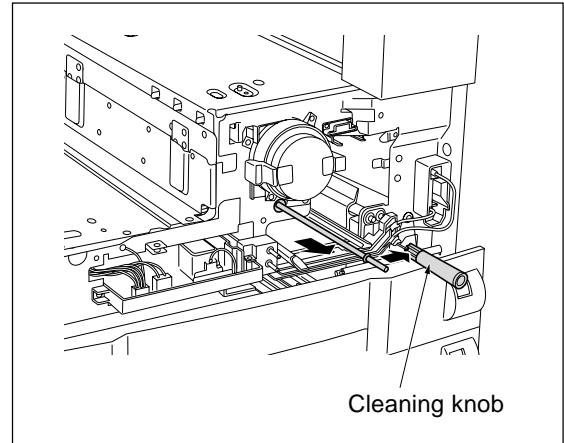
- Caution:** (1) When removing the write unit, take care to avoid touching with the write mirror and the dust proof glass. (Touching these areas may leave scratches and smudges.)
- (2) When installing the write unit, confirm that the PET sheet at the end is seated correctly in the duct.

a. Procedure

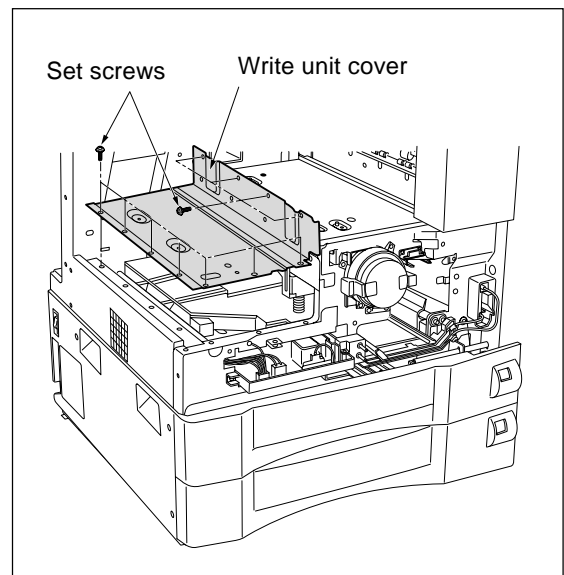
- (1) Open the front door and remove the drum unit and the developing unit.
- (2) Remove the exit tray, open the ADU door, and remove the main body front cover. Remove the side rear cover, the main-body upper cover, and the main-body auxiliary cover.



- (3) Remove the write cleaning knob from the dust proof glass cleaning rod and then push the rod to inside of main body.

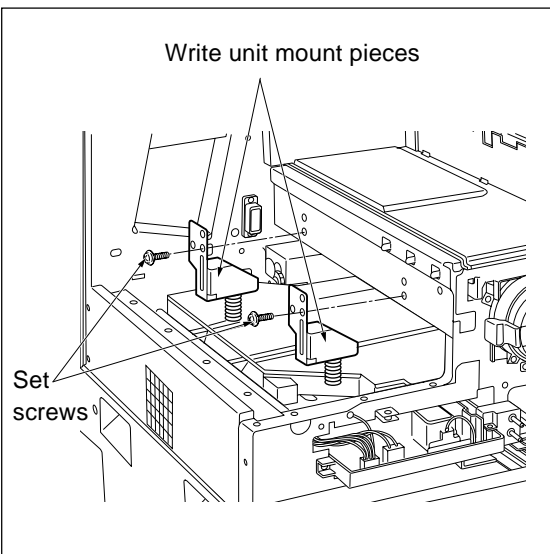


- (4) Remove the 11 set screws, and remove the write cover.

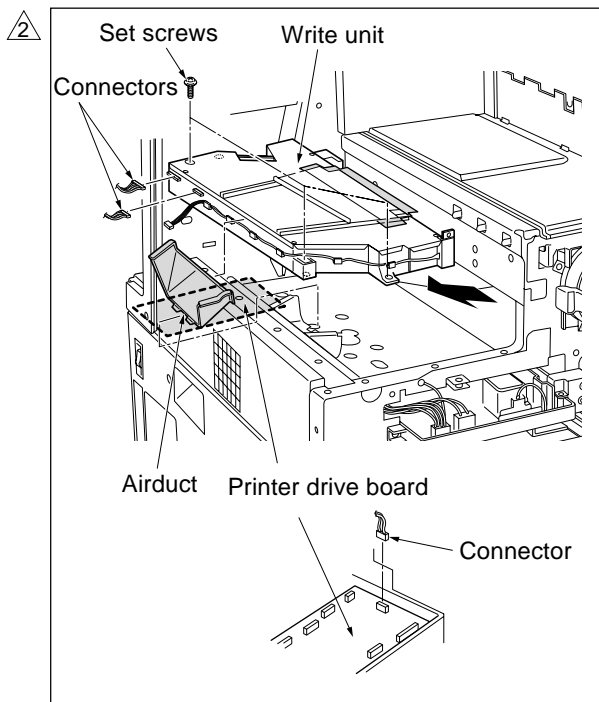


WRITE UNIT

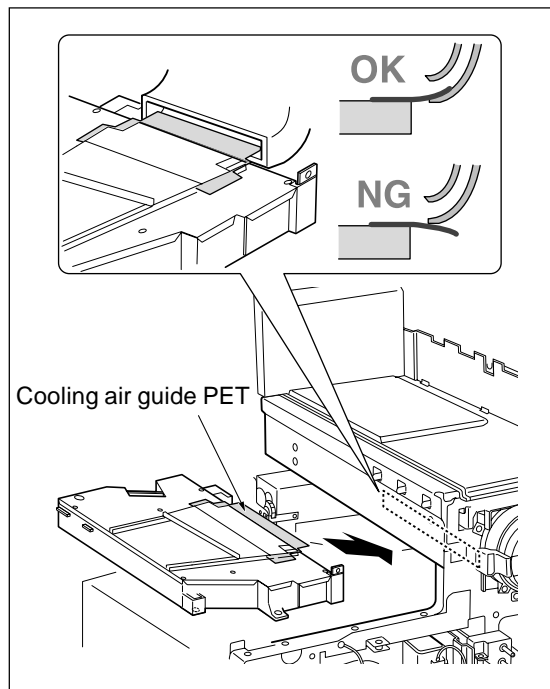
- (5) Remove the two write unit mount pieces (each is held in place by set screw).



- (6) Disconnect the 3 connectors.
- (7) Remove the 3 set screws (SEMS II: long screws), and remove the write unit by pulling it to the left. Also, remove the air duct connected to the fan.



- (8) Reinstall in the opposite sequence to removal.



Note: Reinstall the write unit while inserting the front edge of the cooling air guide PET into the specified position.

DRUM UNIT

[1] Removing and Reinstalling the Drum Unit

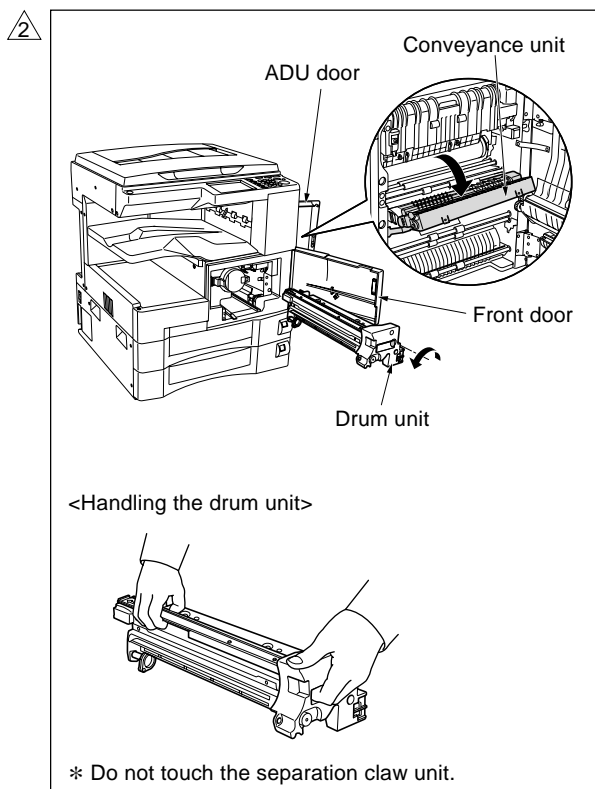
⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

Caution 1: After removing the drum unit, close the drum cover and store the unit in a dark place.

Caution 2: During removal and reinstallation work, never rotate the drum in the wrong direction (in the direction opposite to the direction it moves during normal copying). Rotating the drum in the reverse direction may cause scratches to the cleaning blade.

a. Procedure

- (1) Open the front door, loosen the set screw, and gently pull the developing unit out toward you.
- (2) Open the ADU door, and open the conveyance unit.
- (3) Loosen the set screw, and gently pull the drum unit out toward you until it stops. Then tilt it slightly and remove it.



- (4) Reinstall in the opposite sequence to removal.

[2] Removing and Reinstalling the Drum

Caution 1: Take care to avoid scratching the drum's light sensitive areas and the cleaning blade. Do not touch these areas with bare hands.

Caution 2: When removing or installing, never allow the drum to bump against the plate-metal part of the cleaning blade.

Caution 3: If you are going to place the drum in storage, be sure to place a cover on the drum (to cut off light to it) and store it in a dark place.

Caution 4: Before installing the drum and cleaning blade (regardless of whether new or used), be sure to coat these with setting powder. Apply the powder around the entire drum, and on both sides of the blade.

Caution 5: If you have coated setting powder onto the drum: Before installing the drum unit back into the main body, use an alcohol-soaked cloth to remove stray powder from the sensor surface on the toner control sensor board. This is necessary to ensure that accurate toner density readings are obtained.

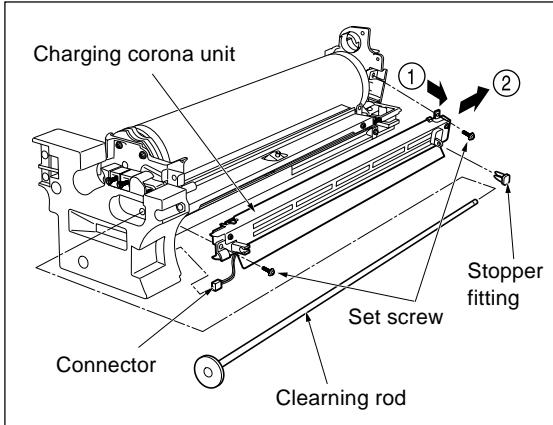
Caution 6: Be sure that the drum is oriented correctly before installing it. The convex end (bulging end) should be facing the rear.

Caution 7: After installing a new drum, be sure to reset the drum-related counters in the 36 mode.

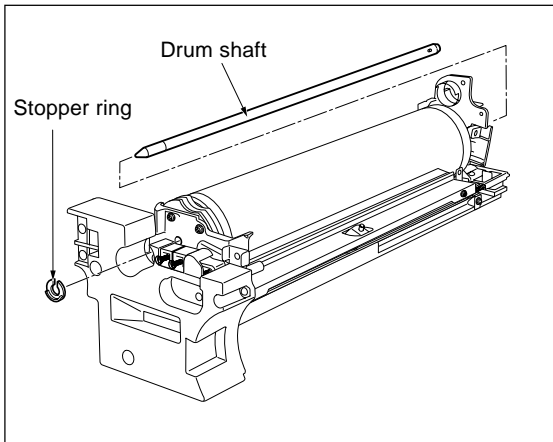
2 **Caution 8:** When removing the drum unit, do not place your hand on the separation claw unit.

a. Removing procedure

- (1) Remove the drum unit from the main body.
- (2) Set the unit so the drum is to the top.
- (3) Remove the cleaning rod's shaft stopper fitting, and pull out the cleaning rod.
- (4) Disconnect the connector from the drum unit.
- (5) Remove the two set screws, then disengage the rear of the charging corona unit in the direction of a, and remove the charging corona unit in the direction of b.

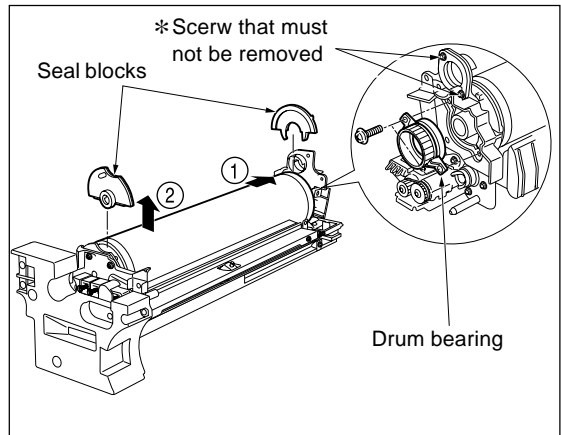


- (6) Remove the stopper ring, and pull out the drum shaft.



- (7) Remove the 2 set screws holding the drum bearing in place, and remove the bearing.

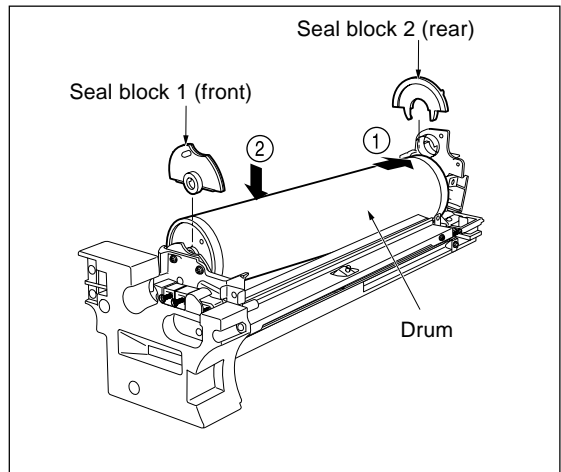
- (8) Remove the 2 semicircular seal blocks (one on each end of the drum).
- (9) To remove the drum, push it back toward the rear and lift it up and out from the front.



b. Installing procedure

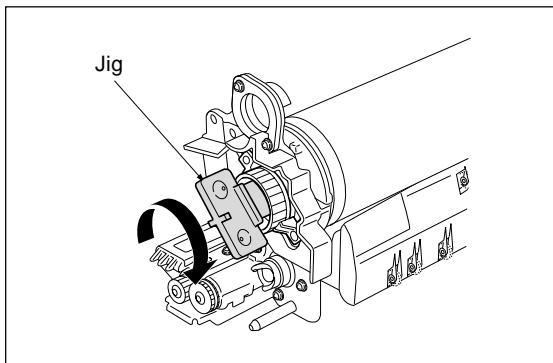
Caution: Be sure that the toner collection sheet makes contact with the entire span of the drum, with no gaps.

- (1) Coat the entire surface of the drum with setting powder.
- (2) Fit the convex end of the drum into the rear side of the unit, then set the drum down into the unit. Reattach the two seal blocks (one at each end of the drum).



- (3) Reattach the drum bearing. Fasten it into place with the 2 set screws.
- (4) Insert the drum shaft and reattach the stopper.

- (5) Using the jig included on the drum unit cover, rotate the drum clockwise and confirm that there are no gaps in the setting powder coat, and that the toner collection sheet and cleaning blade are smooth, etc.



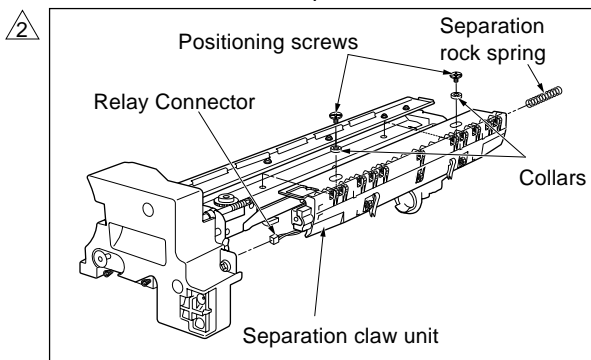
- (6) Install the charging corona unit. Fasten it into place with 2 set screws.

[3] Removing and Reinstalling the Separation Claw

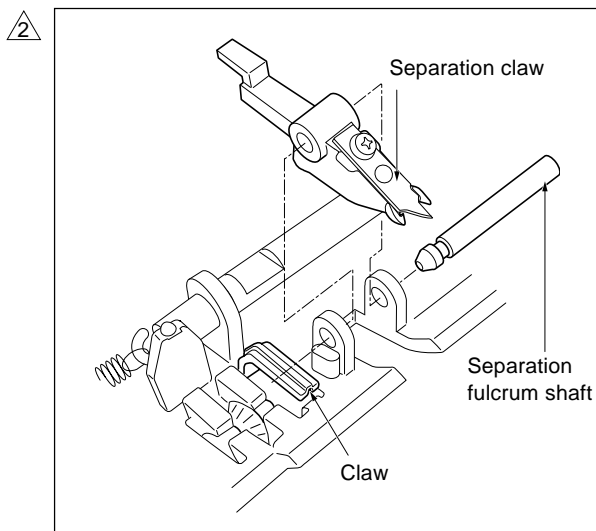
- Caution 1:** While removing or installing the claw, be careful to avoid damage to the drum.
- Caution 2:** When installing the claw, be sure that it is correctly oriented and positioned.
- Caution 3:** Do not touch the cleaning blade or the drum's light sensitive areas with bare hands.

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the drum from the drum unit.
- (3) Disconnect the relay connector.
- (4) Remove the separation rock spring.
- ⚠ (5) Remove the 2 positioning screws and the 2 collars, and then remove the separation claw unit.



- ⚠ (6) Pull out the separation fulcrum shaft while pressing down the claw and remove the 2 separation claws.



- (7) Reinstall in the opposite sequence to removal.

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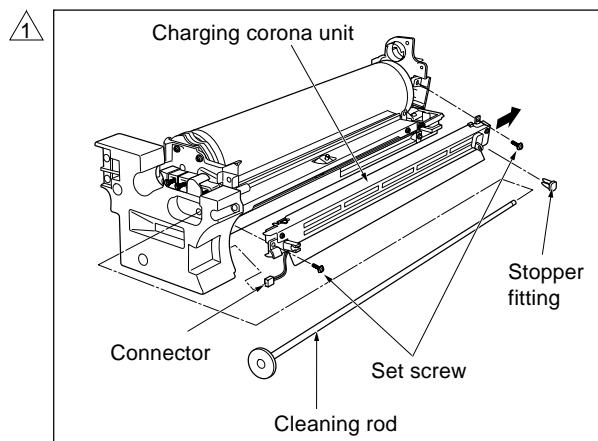
CORONA UNIT SECTION

[1] Removing and Reinstalling the Charging Corona Unit

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the cleaning rod's shaft stopper fitting, and pull out the cleaning rod.
- (3) Disconnect the connector from the drum unit.
- (4) Remove the 2 set screws, and remove the charging corona unit by pulling it out from the rear.



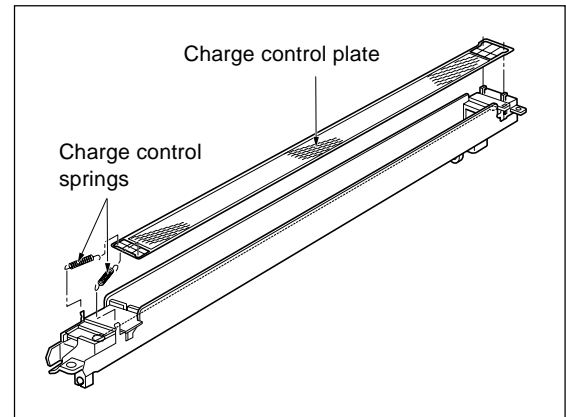
- (5) Reinstall in the opposite sequence to removal.

[2] Removing and Reinstalling the Charge Control Plate

⚠ Caution: When reinstalling, be sure to set the charge control plate so that the spring held end is toward the front of the charging corona unit.

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the charging corona unit. Move the charging cleaning block to its home position (at the right side).
- (3) Remove the 2 charge control springs, and remove the charge control plate.
- (4) To clean, use: Tap lightly with a cloth soaked in drum cleaner, then use a blower brush to remove remaining debris.

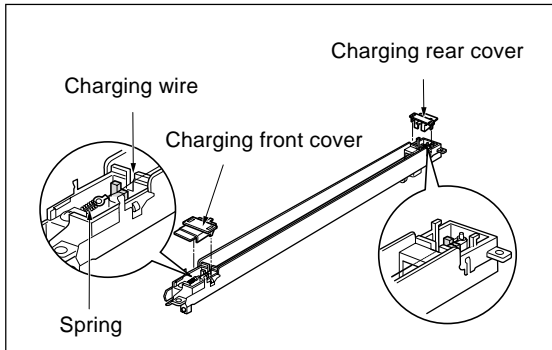


- (5) Reinstall in the opposite sequence to removal.

[3] Replacing the Charging Wire

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the charging corona unit. Move the charging cleaning block to its home position (at the right side).
- (3) Remove the charge control plate.
- (4) Remove the 2 charging covers (charging rear cover, and charging front cover).
- (5) Remove the spring, and remove the charging wire.



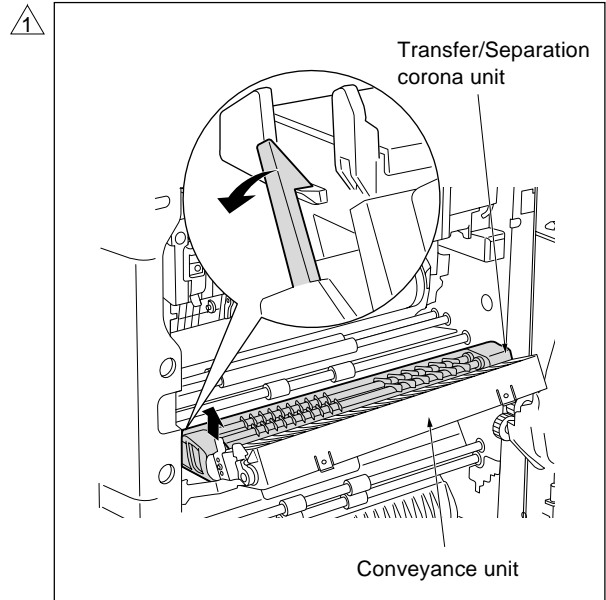
- (6) To install the replacement wire: first fasten the rear end of the wire to the unit, then pass the wire through the charging cleaning block and fix it in place with the spring. Then complete the installation by reversing the steps above.

[4] Removing and Reinstalling the Transfer/Separation Corona Unit

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

a. Procedure

- (1) Open the ADU door.
- (2) Pull the conveyance unit toward you to open.
- ⚠** (3) Push the left catch of the transfer/separation corona unit, then remove the unit.

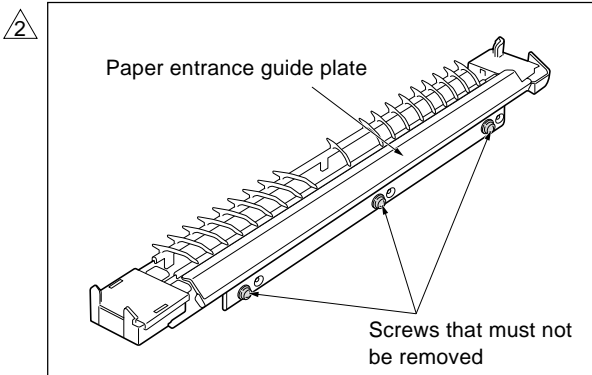


- (4) Reinstall in the opposite sequence to removal.

Caution: When installing the Transfer/Separation corona unit, be sure that the cleaning material is in home position at the right side.

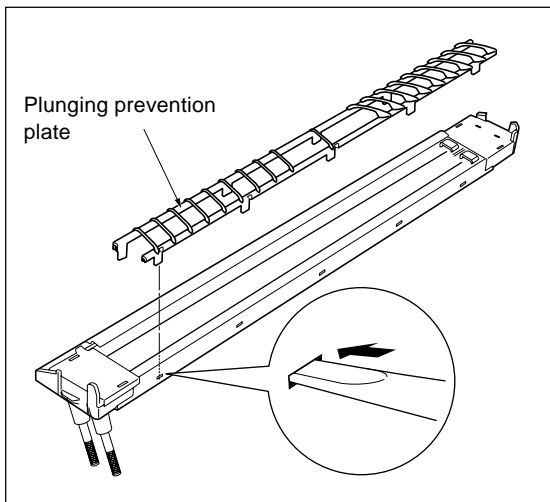
[5] Replacing the Transfer and Separation Wires

Caution: Do not remove the paper entrance guide plate.

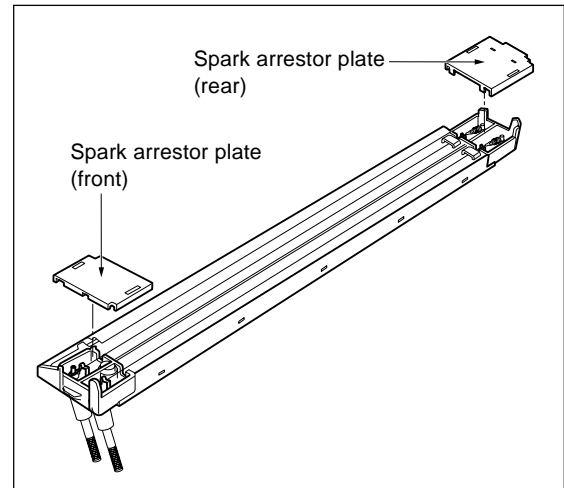


a. Procedure

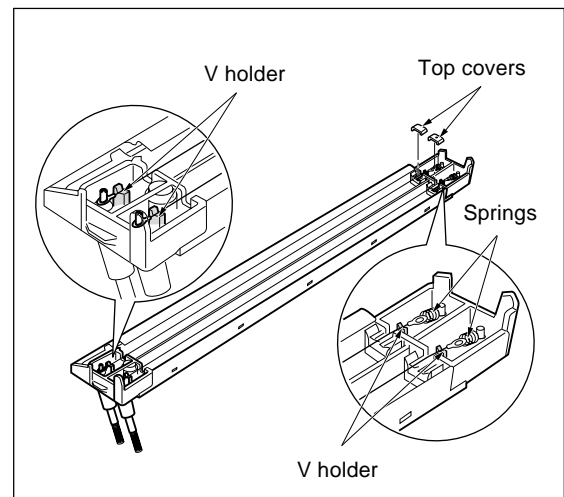
- (1) Remove the transfer and separation corona unit from the main body.
- (2) Use a tweezers to remove the hook from the transfer and separation corona unit. Then remove the plunging prevention plate.



- (3) Remove the front and rear spark arrester plates.



- (4) Move the cleaning block to home position, and remove the top covers from the cleaning block.
- (5) Remove the spring from each wire, and remove the wires.



- (6) Reinstall in the opposite sequence to removal.

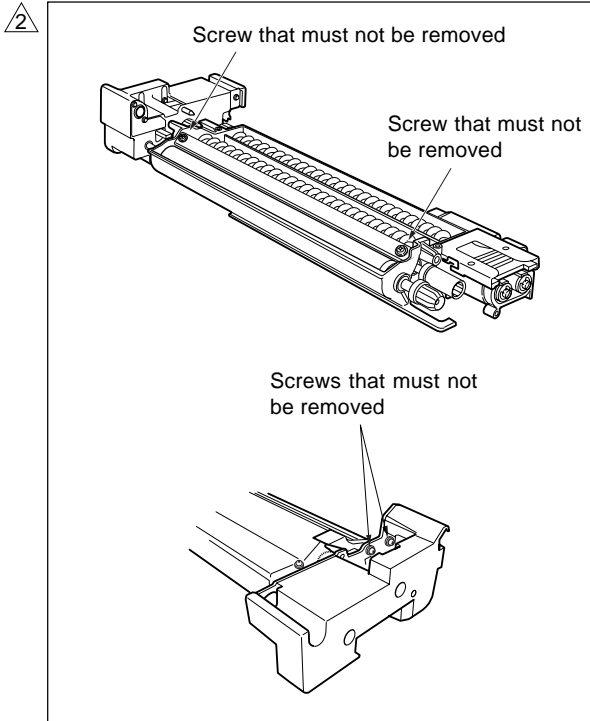
Caution: When installing the wire, be sure that the cleaning block is in home position at the right side. Stretch the wire so that it fits into the V holders.

Blank

DEVELOPING UNIT

[1] Screws That Must Not be Removed

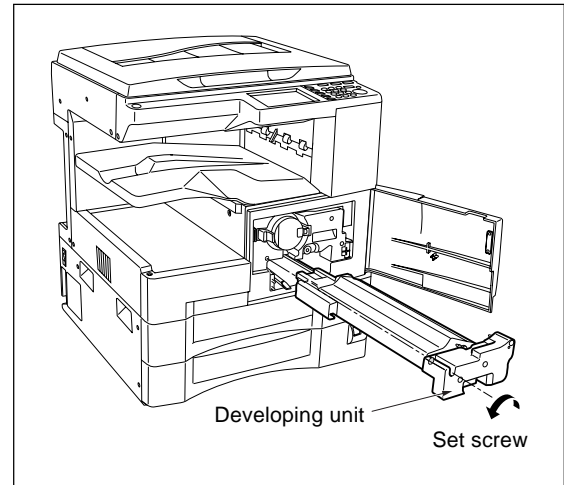
Caution: The 4 set screws below must not be removed or adjusted in the field. Please do not interfere with these screws.



[2] Removing and Reinstalling the Developing Unit

a. Procedure

- (1) Remove the set screw fastening the developing unit in place.
- (2) Pull the developing unit outward to remove.



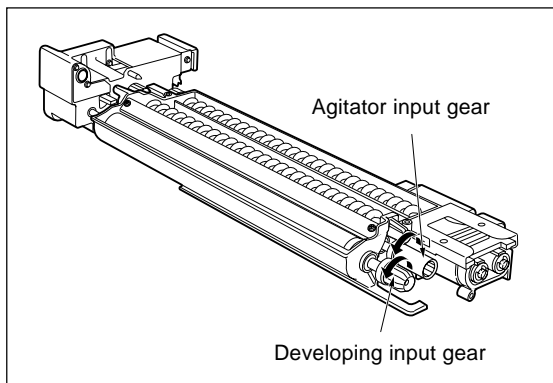
- (3) To reinstall: Fit the rails on the bottom of the developing unit onto the grooves on the main body, and slide the unit into place. Then fasten into place with the attachment screw.

[3] Replacing the Developer

Caution 1: When carrying out replacement, take care to prevent dirt and debris from entering the system.

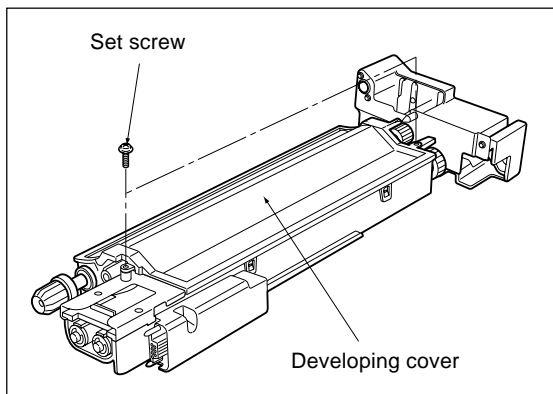
Caution 2: After installing new developer, do not turn the developer-input gear or agitator input gear in the clockwise (reverse) direction.

Caution 3: After replacing developer, carry out L detection adjustment before making copies.



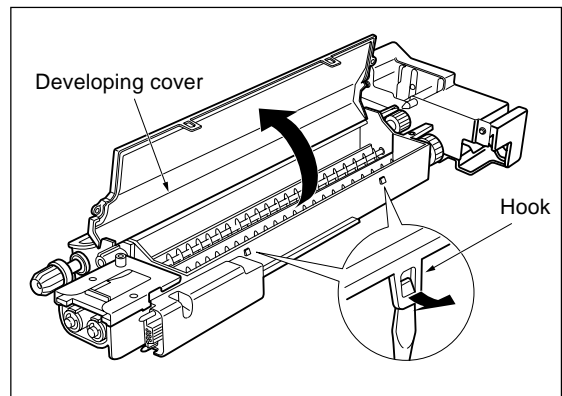
a. Procedure

- (1) Remove the developing unit from the main body.
- (2) Remove the 2 set screws holding the developing cover in place.

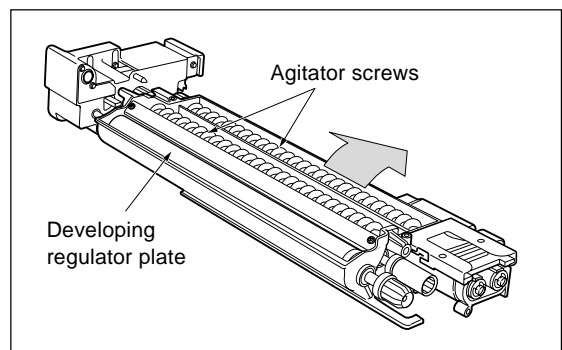


Caution : The 2 set screws of the developing cover are used only in an old type machines (7020/25/30/35).

- (3) Release the hooks. Lift the developing cover, and remove it.

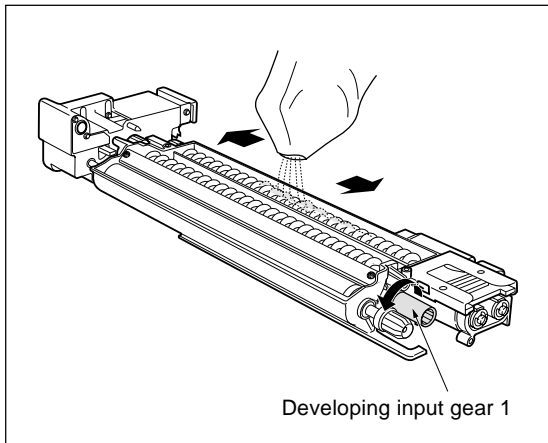


- (4) Tilt the developing unit so that the agitator screws are toward the bottom, and rotate the agitator input gear counterclockwise as necessary to discharge all developer from within the developing unit and from the developing sleeve.
- (5) Wipe away any toner remaining on the developing regulator plate.

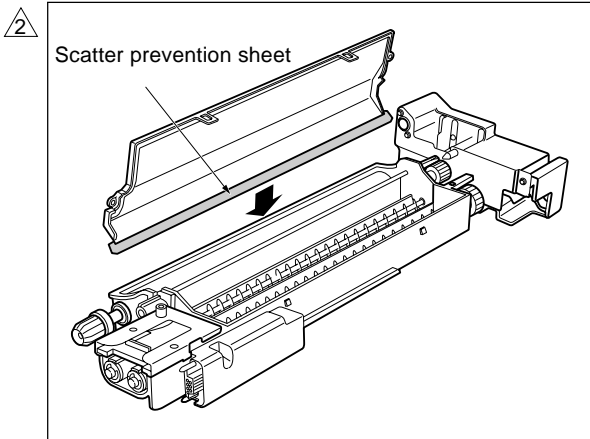


- (6) Pour new developer evenly over the agitator screws.

- (7) Rotate the agitator input gear 1 counterclockwise so that the developer moves into the inside of the developing unit.



- (8) Repeat steps (6) and (7) as necessary to load all of the developer.
- (9) Rotate the developing input gear counterclockwise and check the bristle height along the entire surface of the developing sleeve.
- (10) Reinstall the developing cover, and fasten it in place with the 2 set screws. Be careful to keep the cover clear of the scatter prevention sheet.



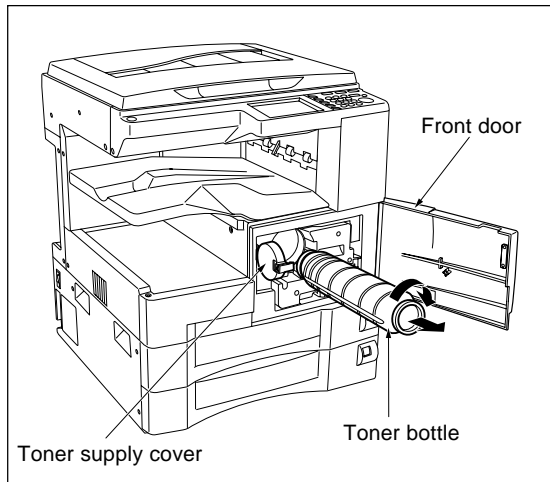
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TONER SUPPLY UNIT

[1] Removing and Reinstalling the Toner Bottle

a. Procedure

- (1) Open the front cover, and then open the toner-supply cover.
- (2) Pull the toner bottle slightly out, and turn it clockwise so that the upper part of the cartridge aligns with the cutout.
- (3) Withdraw the toner bottle.



- (4) Reinstall in the opposite sequence to removal.

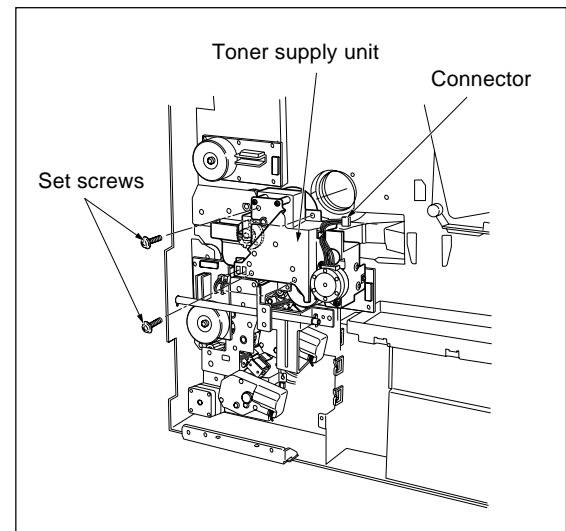
[2] Removing and Reinstalling the Toner Supply Unit

a. Procedure

- (1) Remove the toner bottle.
- (2) Remove the rear cover.
- (3) Remove the overall control board unit.

Caution: Note that there are numerous connectors connected to the overall control board. You can either disconnect the connectors, or keep the board close to its present location.

- ⚠ (4) Remove the set screw, and remove the drum rotating plate.
- (5) Remove the 3 connectors.
- (6) Remove the 4 set screws, and remove the toner-supply unit by pulling it toward you.



- (7) Reinstall in the opposite sequence to removal.

Blank

CLEANING/TONER RECYCLE UNIT

[1] Removing and Reinstalling the Cleaning Blade

Caution: Be sure that the power cord has been unplugged from the outlet.

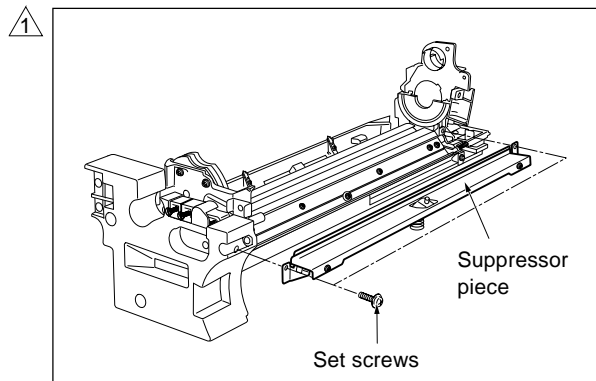
Caution 1: Be careful of the cleaning blade edge. Do not touch the edge with bare hands, and take care to avoid scratching it.

Caution 2: Before installing the drum and cleaning blade (regardless of whether new or used), be sure to coat these with setting powder. Apply the powder around the entire drum, and on both sides of the blade.

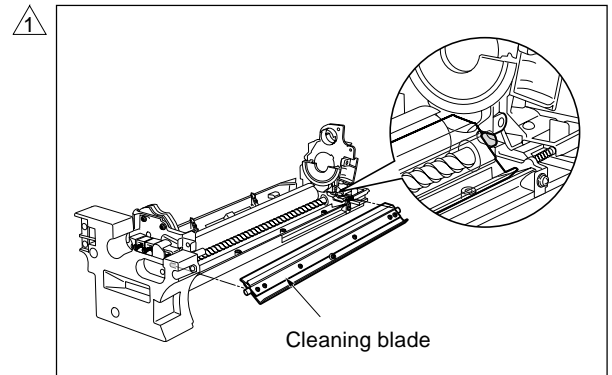
Caution 3: If you have coated setting powder onto the drum: Before installing the drum unit rear into the main body, use an drum cleaner cloth to remove stray powder from the sensor surface on the toner control sensor board. This is necessary to ensure that accurate toner density readings are obtained.

a. Procedure

- (1) Remove the drum unit from the main body.
- (2) Remove the charging corona unit.
- (3) Remove the drum from the drum unit.
- (4) Remove the 2 set screws, and remove the fitting (suppressor piece) holding the cleaning blade in place.

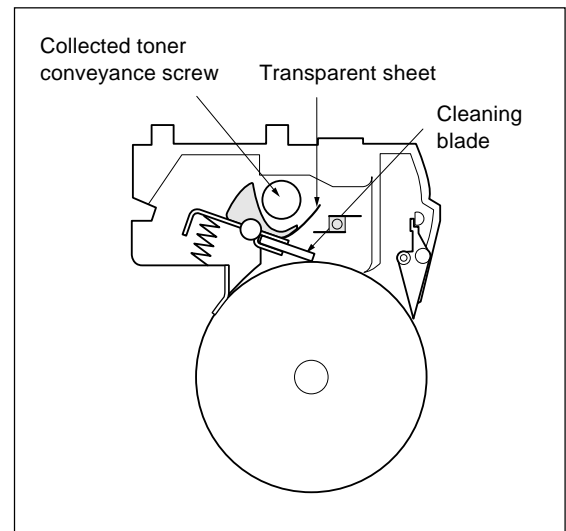


- (5) Remove the cleaning blade.



- (6) Reinstall in the opposite sequence to removal.

Caution: When installing the cleaning blade, install so that the unit's transparent sheet is oriented as shown in the diagram.



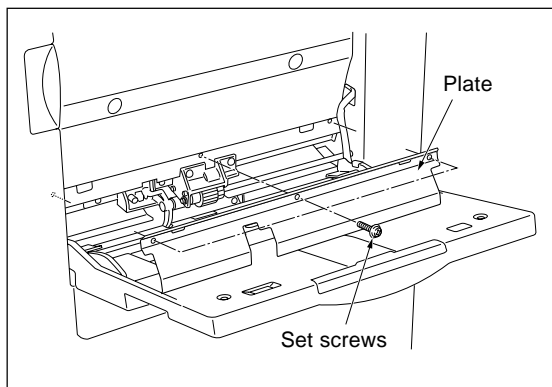
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PAPER FEED UNIT

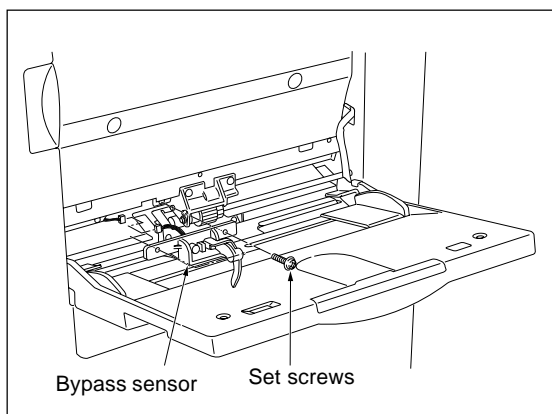
[1] Replacing the Bypass Pickup Roller/Bypass Conveyance Roller

a. Procedure

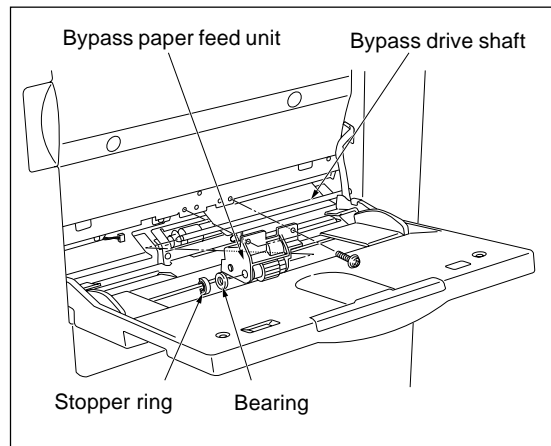
- (1) Open the bypass tray.
- (2) Remove the 3 set screws and remove the plate.



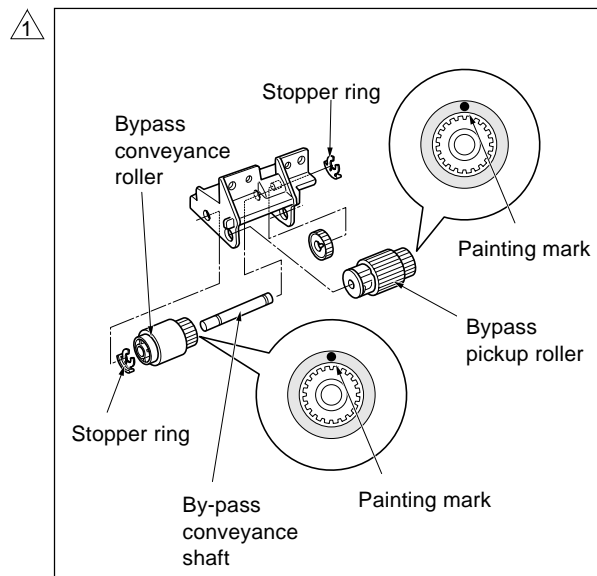
- (3) Remove the 2 set screws and the connector, then remove the bypass sensor.



- (4) Remove the stopper ring and the bearing.
- (5) Remove the 2 set screws, and slide the bypass paper feed unit left to remove it from the bypass drive shaft, so that the by-pass pickup roller comes off.



- (6) Remove the 2 stopper rings.
- (7) Pull out the bypass conveyance shaft, and remove the bypass conveyance roller.



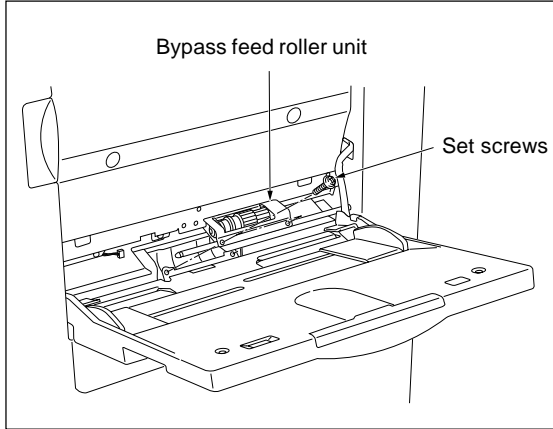
- (8) Reinstall in the opposite sequence to removal.

Caution: When reinstalling rollers, pay attention to their orientation.

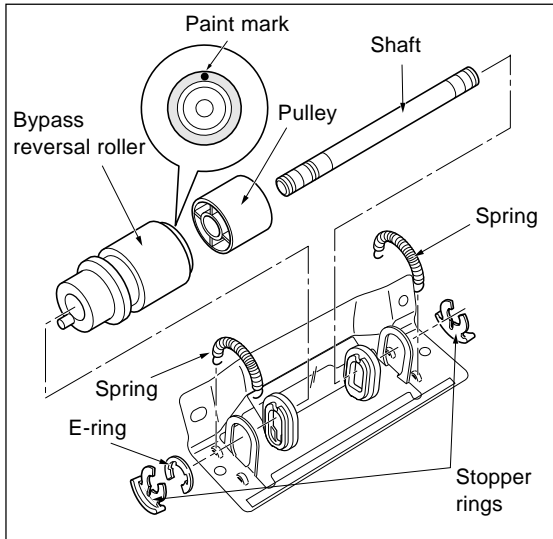
[2] Replacing the Bypass Reversal Roller

a. Procedure

- (1) Remove the bypass feed roller unit.
- (2) Remove the 2 set screws, and remove the unit.



- (3) Remove the 2 stopper rings, and pull out the shaft.
- (4) Remove the 2 stop rings and the E ring, then pull out the shaft to the side where there is no E ring.

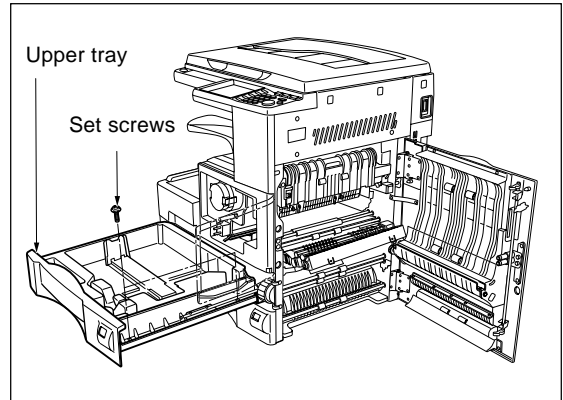


- (5) Reinstall in the opposite sequence to removal.

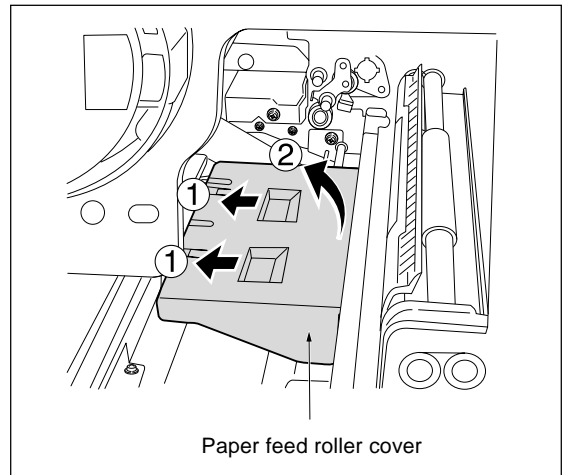
[3] Replacing the Feed Rubber and the Double Feed Prevention Upper Rubber (Upper Tray)

a. Procedure

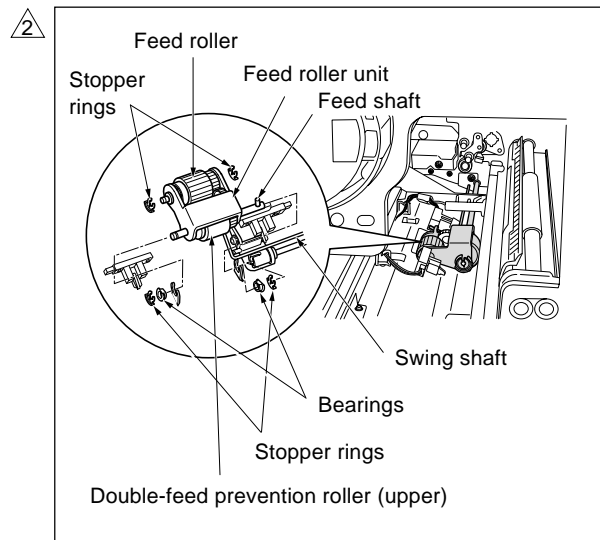
- (1) Open the ADU door, and then open the conveyance unit.
- ⚠ (2) Remove the developing unit, the drum unit and the write unit.
- (3) Slide the upper tray out. Remove the 2 set screws holding the tray in place, and take the tray off.



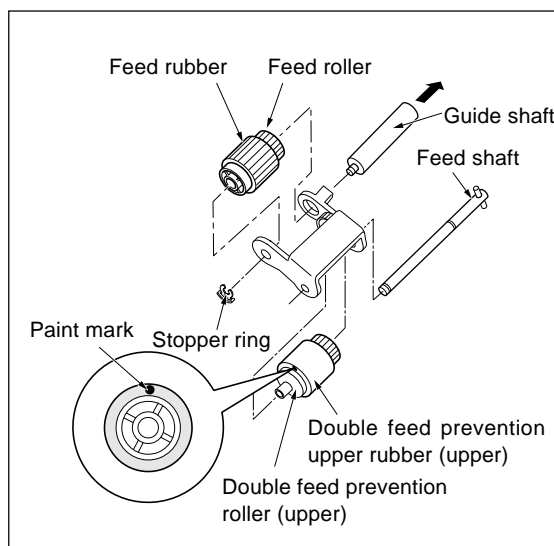
- (4) Remove the paper feed roller cover in the direction of arrow 1 while pushing it in the direction of arrow 2.



- (5) Remove the 2 stopper rings, and remove the bearings from the plate.
- (6) Lift the left shaft and remove the feed roller unit.
- (7) Pull out the feed shaft, and remove the double feed prevention roller (upper).



- (8) Remove the stopper ring, pull the guide shaft out of the feed roller unit, and remove the feed roller.
- (9) Remove the feed rubber from the feed roller.
- ⚠ (10) Remove the feed shaft and then remove the double feed prevention roller (upper).
- (11) Remove the double feed prevention upper rubber (upper) from the double feed prevention roller (upper).



- (12) Reinstall in the opposite sequence to removal.

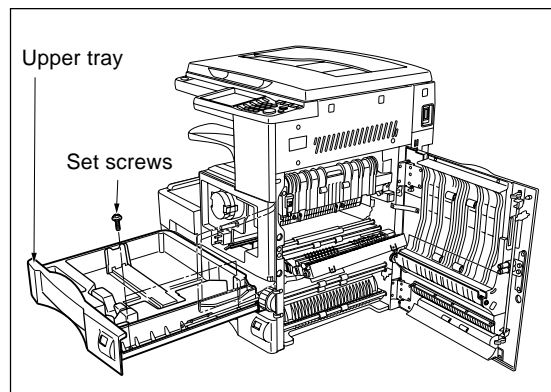
Caution: Be sure to install the roller rubbers in the correct direction.

Install so that the swing shaft goes to the inside of the feed roller unit.

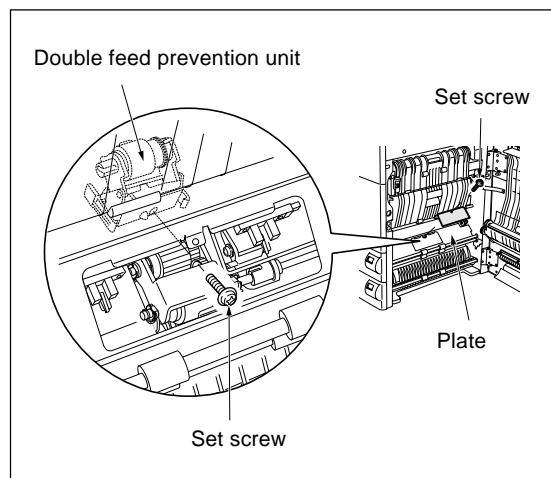
[4] Replacing the Double Feed Prevention Lower Rubber (Upper Tray)

a. Procedure

- (1) Open the ADU door, and then open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Slide the upper tray out. Remove the 2 set screws holding the tray in place, and take the tray off.

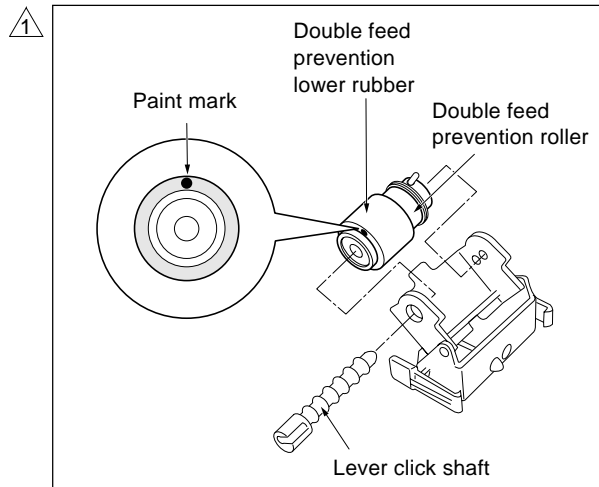


- (4) Remove the set screw, and remove the plate. Then remove the set screw fastening the double feed prevention roller unit in place.



- (5) From the inside of the main body, press on the two ends of the roller unit and remove it.

- (6) While pressing on the lever on the lever click shaft, pull out the shaft and then remove the double feed prevention roller.



- (7) Remove the double feed prevention lower rubber from the roller.
 (8) Reinstall in the opposite sequence to removal.

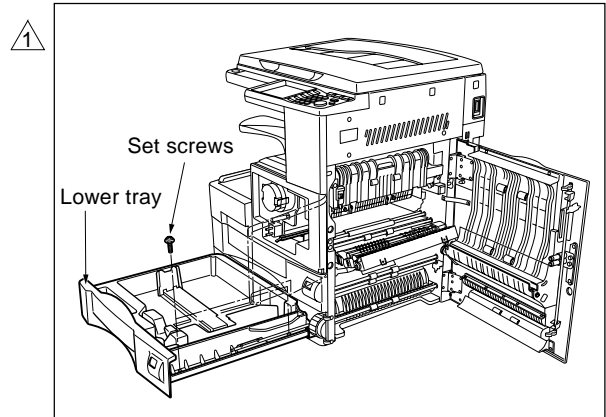
Caution: Be sure to install the roller rubbers in the correct orientation.

: When installing the double feed prevention unit into the main body, align the unit with the center of the marking stamped on the main-body plate.

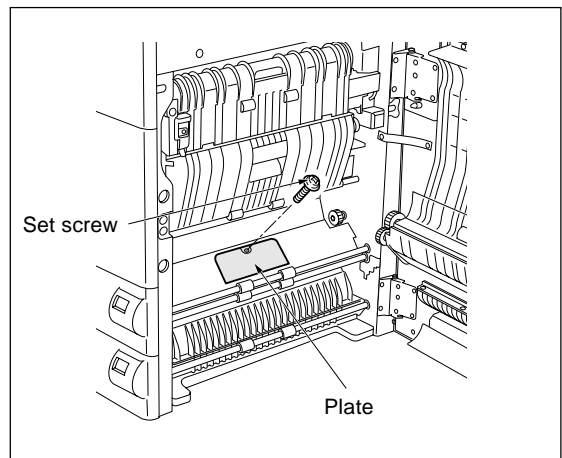
[5] Replacing the Feed Rubber and Double Feed Prevention Upper Rubber (Lower Tray)

a. Procedure

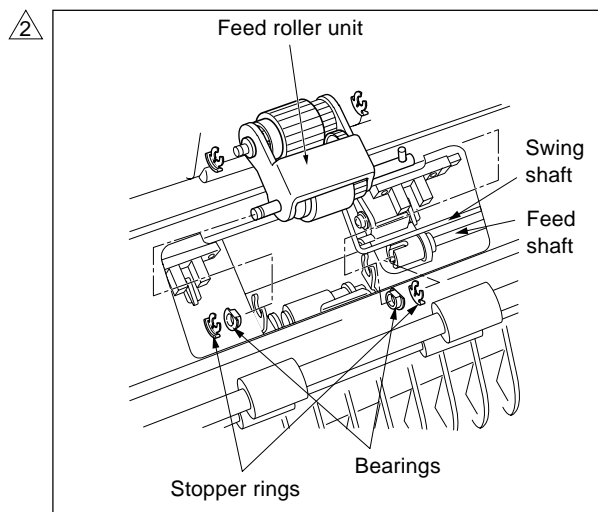
- (1) Open the ADU door, and then open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Slide the lower tray out. Remove the 2 set screws holding the tray in place, and take the tray off.



- (4) Remove the set screw, and remove the plate.



- (5) Remove the 2 stopper rings, and remove the bearings from the plate.
- (6) Lift the left shaft and remove the feed roller unit.
- (7) Pull out the feed shaft and remove the double feed prevention roller (upper).

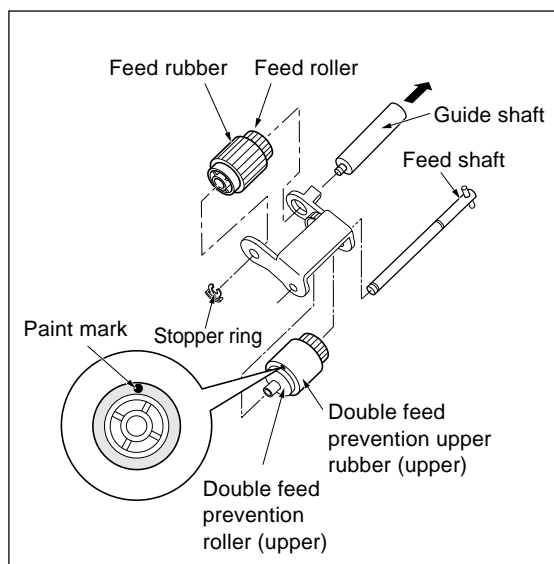


- (12) Reinstall in the opposite sequence to removal.

Caution: Be sure to install the roller rubbers in the correct direction.

Install so that the swing shaft goes to the inside of the feed roller unit.

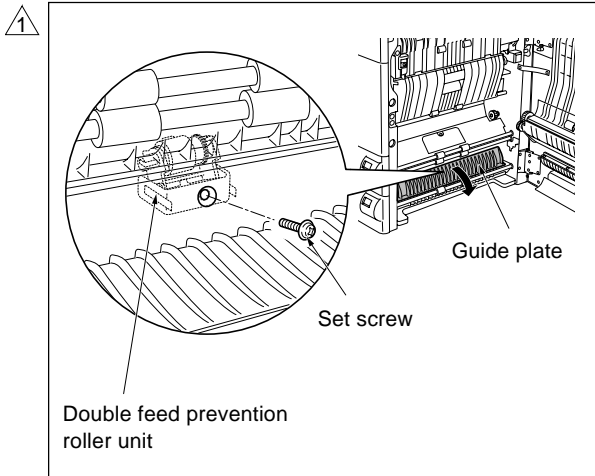
- (8) Remove the 1 stopper ring, pull the guide shaft out of the feed roller unit, and remove the feed roller.
- (9) Remove the feed rubber from the feed roller.
- (10) Remove the feed shaft and then remove the double feed prevention roller (upper).
- (11) Remove the double feed prevention upper rubber (upper) from the double feed prevention roller (upper).



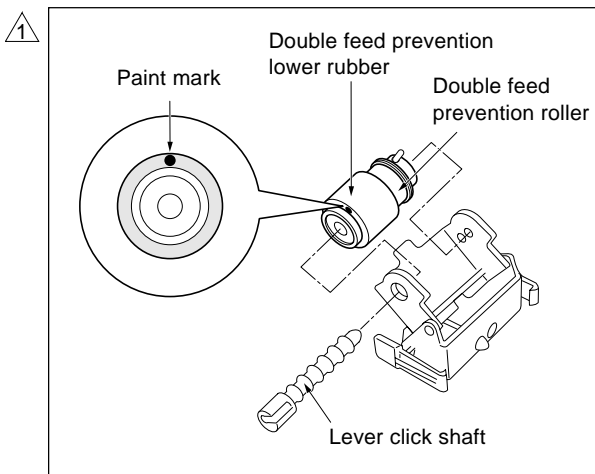
[6] Replacing the DF Prevention Lower Rubber (Lower Tray)

a. Procedure

- (1) Open the ADU door, and then open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Slide the lower tray out. Remove the 2 set screws holding the tray in place, and take the tray off.
- (4) Open the guide plate, and remove the set screw fastening the double feed prevention roller unit in place.



- (5) From the inside of the main body, press on the two ends of the roller unit and remove it.
- (6) While pressing on the lever on the lever click shaft, pull out the shaft and then remove the double feed prevention roller.

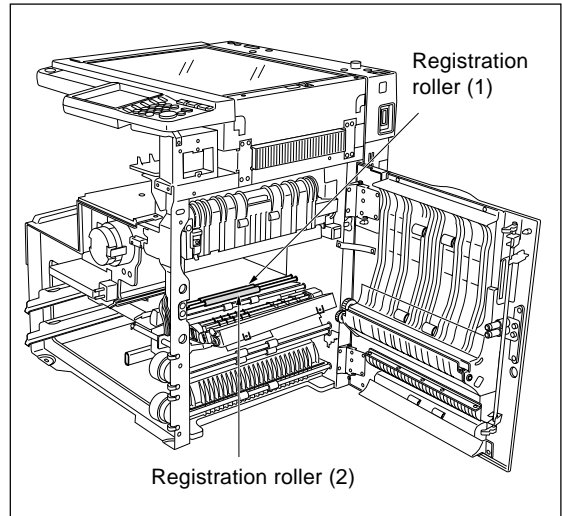


- (7) Remove the double feed prevention lower rubber from the roller.
- (8) Reinstall in the opposite sequence to removal.

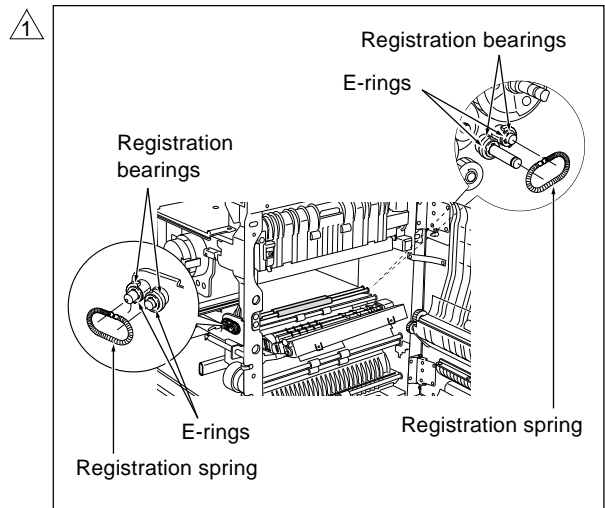
[7] Replacing the Registration Rollers 1 and 2

a. Procedure

- (1) Open the ADU door, and then open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Slide the upper tray out. Remove the 2 set screws holding the tray in place, and take the tray off.
- (4) Slide the lower tray out. Remove the 2 set screws holding the tray in place, and take the tray off.
- (5) Remove the registration clutch.
- (6) Remove the all external cover from the front.



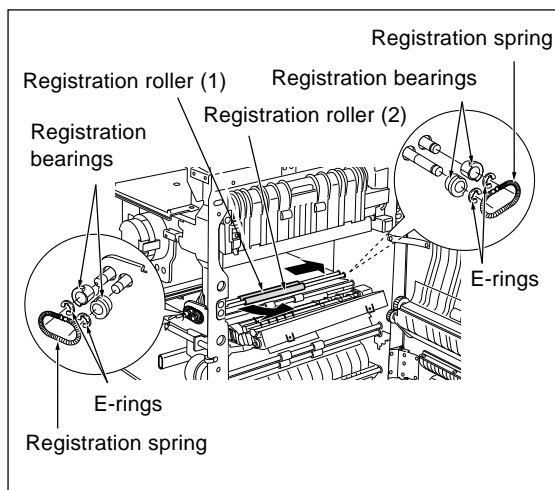
- (7) Stretch the 2 registration springs (front and rear) upward and remove them from the flanges on the registration bearings.



- (8) Remove the E-ring and registration bearing at each end of each shaft (4 E-rings and 4 bearings in total).

Caution: Be careful to avoid dropping E-rings and bearings into the main unit.

- (9) Remove the registration rollers from the interior of the main body.



- (10) Reinstall in the opposite sequence to removal.

Caution: Install each registration bearing so that the flat part is flush on the inside.

Leave the registration springs hooked (do not unhook them) when removing and reinstalling them. Install the springs so that the hook part is located at the top between the two shafts.

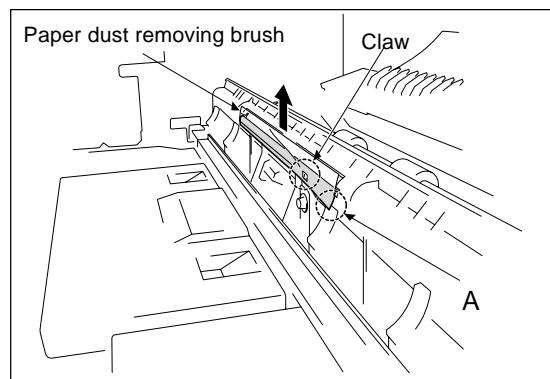
⚠ [8] Cleaning Paper Dust Removing Brush

a. Removal procedure

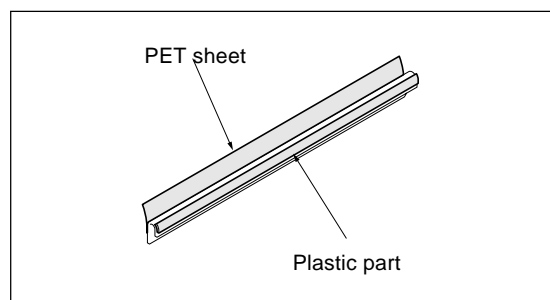
- (1) Open the ADU door, and open the conveyance unit.
- (2) Remove the developing unit and the drum unit.
- (3) Remove the paper dust removing brush.

To remove the brush, raise the A part and disengage the claw, then pull out the brush in the direction of the arrow.

Caution: Do not bend the metal plate of the paper dust removing brush.

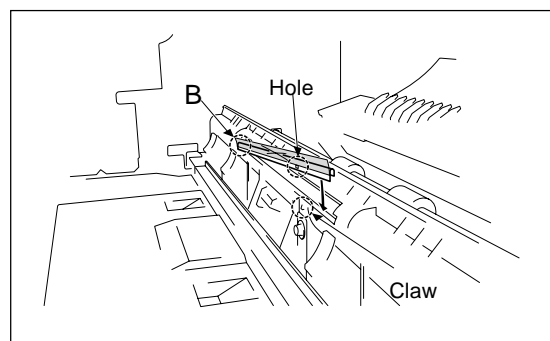


- (4) Clean the PET sheet and the plastic part using a cleaning pad and a blower brush.



b. Installation procedure

- (1) Insert the paper dust removing brush from the B (rear) side, and confirm that the hole in the brush is engaged with the claw.



- (2) After this, install the brush using the reverse procedure to removal.

Blank

FIXING UNIT

[1] Removing and Reinstalling the Fixing Unit

⚠ Caution: Be sure that the power cord has been unplugged from the outlet.

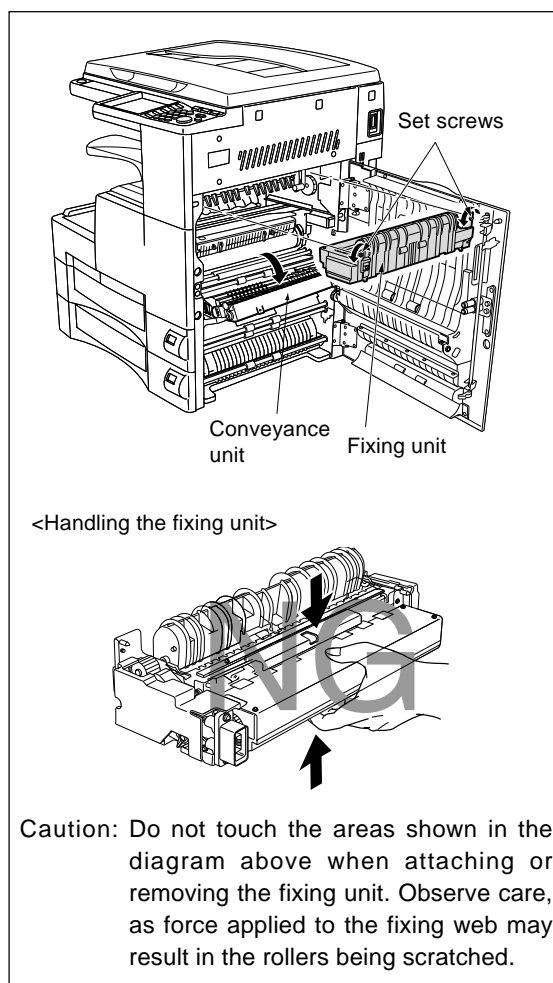
The fixing unit remains extremely hot immediately after power is switched OFF. To avoid injury from burns, do not begin work until the fixing unit has cooled down sufficiently.

⚠ Caution: When installing the fixing unit, be sure to firmly tighten the unit's 2 set screws.

a. Procedure

- (1) Open the ADU door and the conveyance unit, and loosen the 2 set screws holding the fixing unit in place.
- (2) Pull the fixing unit out toward you and remove it.

2



[2] Replacing the Fixing Heater Lamps (Main Lamp and Sub Lamp)

⚠ Caution: Do not touch the lamp area with bare hands.

Caution 1: When installing, be sure that manufacturer's mark is mounted on the front side.

Caution 2: Do not allow the heater lamps to make contact with the inside of the roller.

Caution 3: Install so that the main lamp is at the top, and the sub lamp is at the bottom.

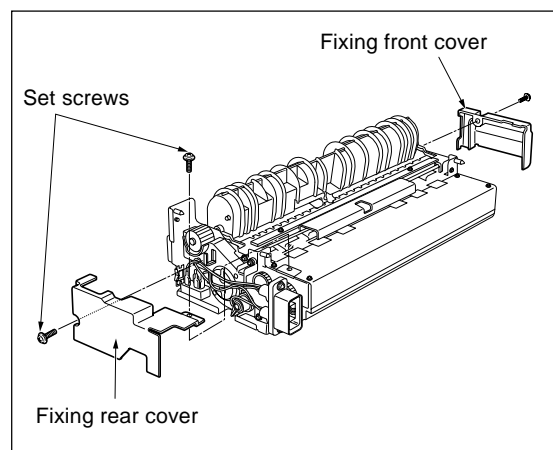
Heater cords are color-coded as follows.

| Color Positions Lamp | JAPAN | | U.S.A. | | EUROPE OTHERS | |
|-------------------------|-------|-------|--------|-------|---------------|-------|
| | Front | Rear | Front | Rear | Front | Rear |
| Main | White | White | Red | Red | Blue | Blue |
| Sub | White | Black | Red | Black | Blue | Black |

Caution 4: When installing the faston terminal on the drive gear side, be sure that the installation position is correct.

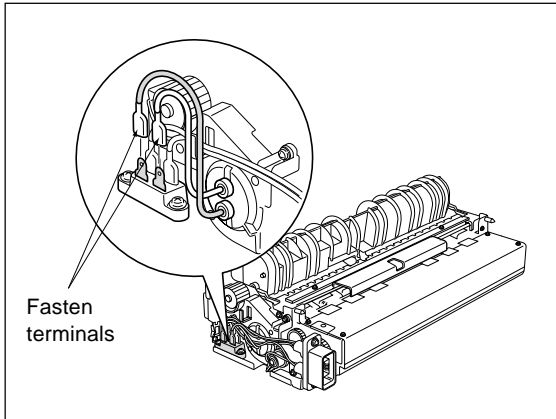
a. Procedure

- (1) Remove the fixing unit from the main body.
- (2) Remove the set screws, and remove the two covers (fixing front cover, and fixing rear cover).

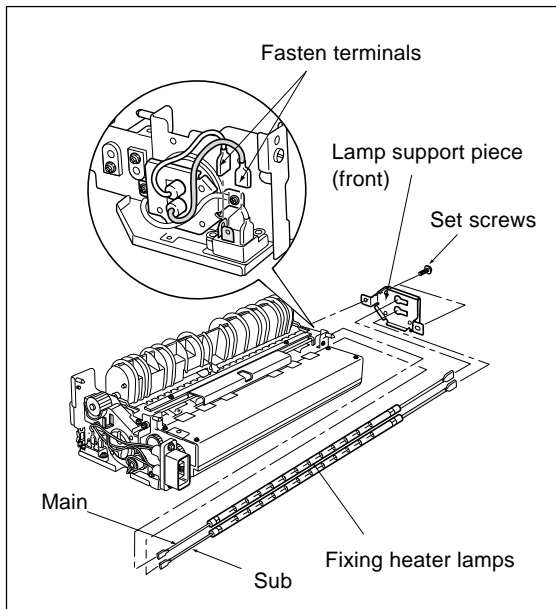


- (3) Reinstall in the opposite sequence to removal.

- (3) Detach the faston terminal at the rear of each lamp.



- (4) Remove the 2 set screws, and remove the lamp support piece (front).
 (5) Detach the faston terminal at the front of each lamp.
 (6) Keeping all cord faston terminal wiring straight, pull each fixing heater lamp toward you to remove.



- (7) Reinstall in the opposite sequence to removal.

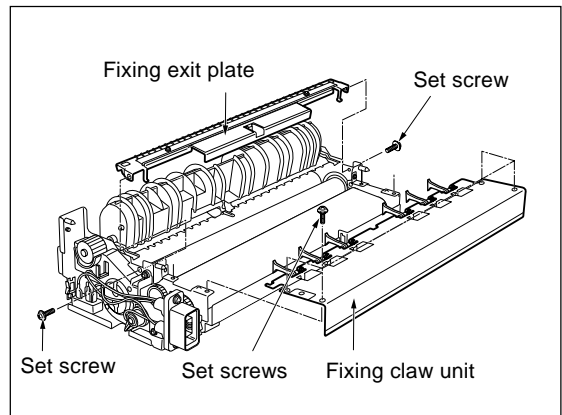
[3] Removing and Reinstalling the Fixing Claw

Caution 1: When installing the fixing claw, be sure that it is oriented correctly.

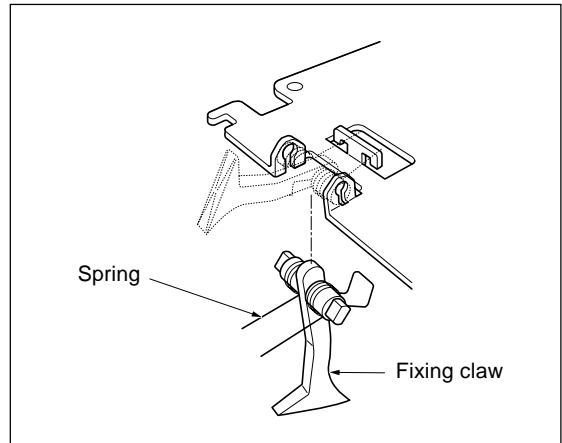
Caution 2: Be sure that the claw is securely attached to the claw spring.

a. Procedure

- (1) Remove the fixing unit from the main body.
 (2) Remove the 2 set screws, and remove the fixing exit plate.
 (3) Remove the 4 set screws, and remove the fixing claw unit.



- (4) Unhook the spring, and remove the fixing claw.



⚠ Caution: The number of fixing claws installed differs according to the particular model.

7020/25/30/35 : 6 claws

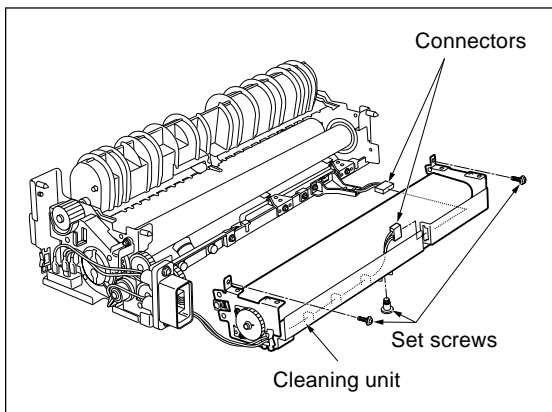
7022/7130/7135 : 4 claws

- (5) Reinstall in the opposite sequence to removal.

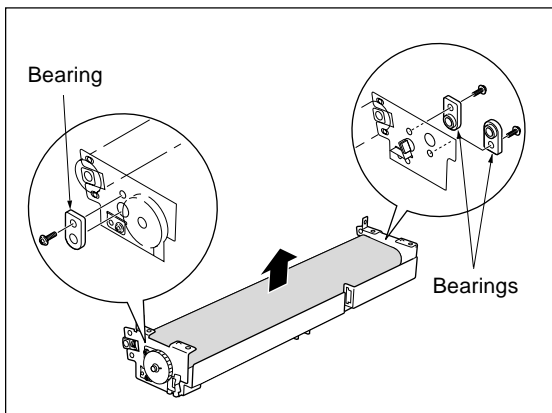
[4] Replacing the Fixing Web/Fixing Cleaning Roller

a. Procedure

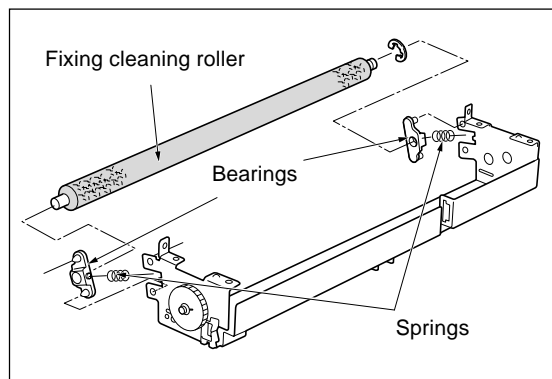
- (1) Remove the fixing unit from the main body.
- (2) Remove the fixing claw unit.
- (3) Detach the connectors, remove the set screw at the bottom and the 2 set screws (Note 1) on the cleaning unit, and then remove the cleaning unit by pulling it out from the fixing unit.



- (4) Remove the 3 set screws and remove the 3 fixing-web bearings. Remove the web together with the entire shaft.



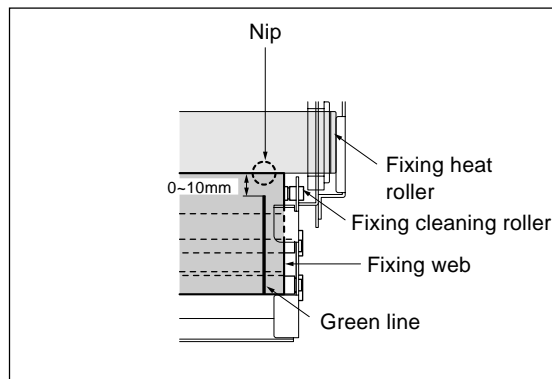
- (5) Detach the springs from the bearings for the fixing cleaning roller, and remove the E-ring from the shaft. Move the shaft and take off the bearings. You can then remove the fixing cleaning roller.



- (6) Reinstall in the opposite sequence to removal.

Note 1: Tighten the setscrews of the cleaning unit while pressing down on the cleaning unit.

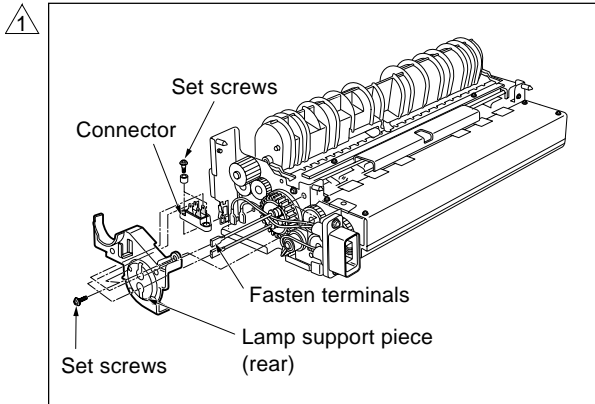
- Note 2:** After replacing the fixing web, wind it up until the end with the green line is within 0~10 mm of the nip of the fixing heat roller and the fixing cleaning roller.



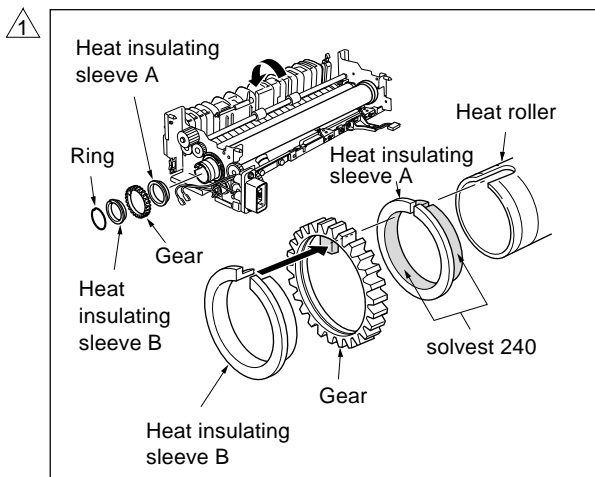
[5] Removing and Reinstalling the Fixing Heat Roller/Fixing Pressure Roller

a. Procedure

- (1) Remove the fixing unit from the main body.
- (2) Remove the fixing claw unit.
- (3) Remove the fixing cleaning unit.
- (4) Remove the two fixing heater lamps
- (5) Remove the 2 set screws and 2 collars for the connector that was connected to the faston terminal. Remove the connector.
- (6) Remove the 2 set screws, and remove the lamp support piece (rear).

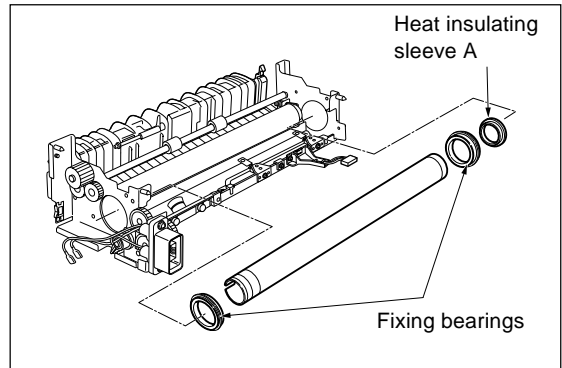


- (7) Open the fixing guide to release the pressure.
- (8) Remove the ring at the rear of the heat roller, and then remove the gear and heat insulating sleeve A, B.

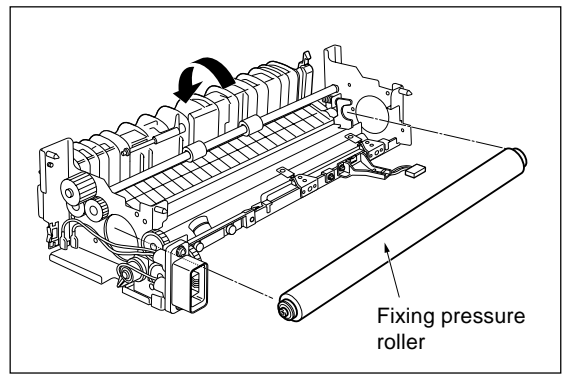


- (9) Remove another ring, then remove the heat insulating sleeve A (the sleeve toward the front). Then remove the heat roller.

- (10) Remove the 2 fixing bearings (one at the front, one at the rear) from the unit.



- (11) Remove the pressure roller.



- (12) Reinstall in the opposite sequence to removal.

Caution: Be sure that heat insulating sleeves A and B are oriented and positioned correctly.

- ⚠ When replacing the heating insulating sleeve/A, apply solvest 240 to the inside and outside surfaces of the heat insulation sleeve/A and then install it.

[6] Removing and Reinstalling the Fixing Temperature Sensors

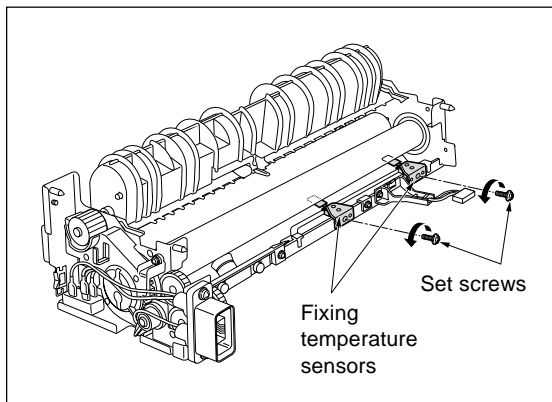
⚠ Caution: After installing the fixing temperature sensors:

Make sure that the wire bundles are not in contact with the fixing heat roller.

Make sure that the sensors themselves (the sensor areas) are in contact with the fixing heat roller.

a. Procedure

- (1) Remove the fixing unit from the main body.
- (2) Remove the fixing claw unit.
- (3) Remove the fixing cleaning unit.
- (4) Remove the 2 set screws, and remove the fixing temperature sensors.



- (5) Reinstall in the opposite sequence to removal.

Caution: When installing the sensors, attach the longer wire bundle to the center of the unit. Make sure that the sensors are in contact with the heat roller.

⚠ [7] Removing and Reinstalling the Fuse Mounting Plate Assembly

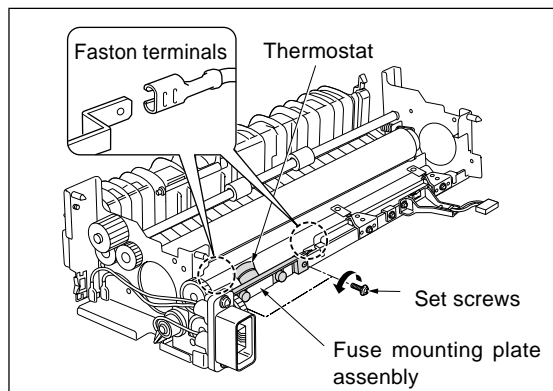
| | |
|-------------------|--|
| ⚠ Caution: | This is an important safety part. (P/N:SP00-0110) Be sure to observe the following cautions and steps when removing or reinstalling. |
|-------------------|--|

⚠ Caution: After installing the thermostat: Make sure that the wire bundle is not in contact with the fixing heat roller.

Make sure that the thermostat itself is in contact with the fixing heat roller.

a. Procedure

- (1) Remove the fixing unit from the main body.
- (2) Remove the fixing front and rear cover.
- (3) Remove the fixing exit plate.
- (4) Remove the fixing claw unit.
- (5) Remove the fixing cleaning unit.
- (6) Remove the heat roller.
- (7) Detach the thermostat 2 Faston terminals.
- (8) Remove the 2 set screws, and remove the Fuse mounting plate assembly.



- (9) Reinstall in the opposite sequence to removal.

Caution: When installing the Fuse mounting plate assembly, install so that the base plate fits between the unit's sheet metal.

Make sure that the thermostat is in contact with the heat roller.

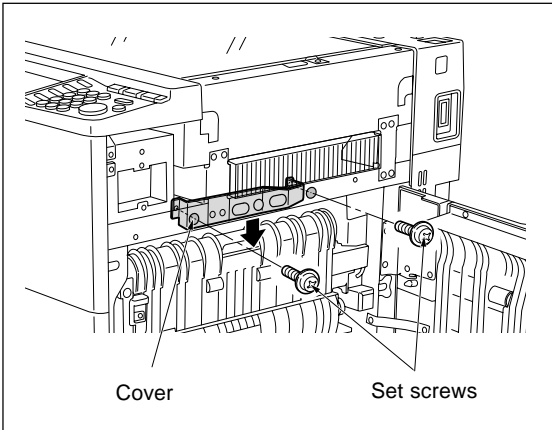
Blank

ADU/PAPER EXIT SECTION

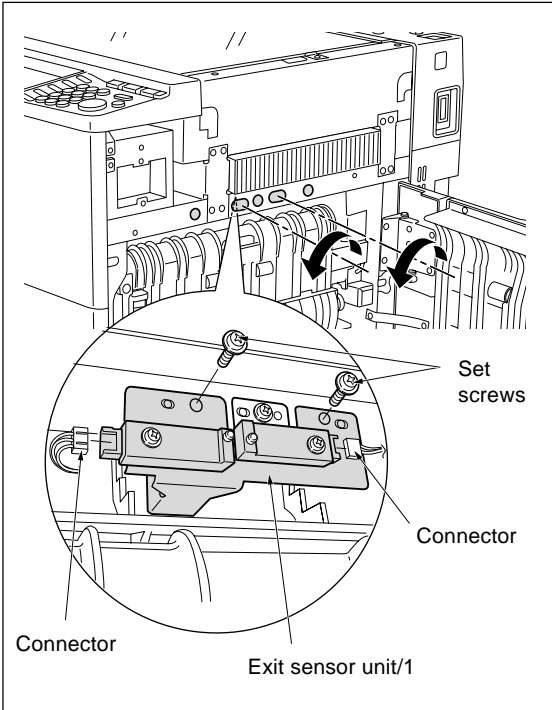
⚠ [1] Removing and Reinstalling the Exit Sensor Unit (7020/25/30/35 only)

a. Procedure

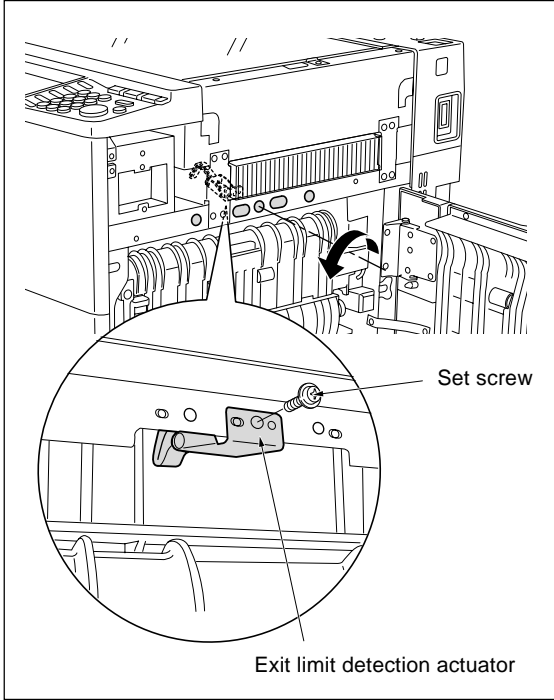
- (1) Remove the read right cover.
- (2) Remove the 2 set screws, and remove the right side cover (upper).
- (3) Remove the 2 set screws, and remove the cover.



- (4) Remove the 2 set screws (by inserting the screwdriver through the holes in the sheet metal). Detach the connector at the side of the sheet metal, and remove the exit sensor unit/1.



- ⚠ (5) Remove the set screw (again, by inserting the screwdriver through the hole), and remove the exit limit detection actuator. (Old type 7020/25/30/35 only)



- (6) Reinstall in the opposite sequence to removal.

Blank

4

ADJUSTMENT

Blank

HOW TO USE THE ADJUSTMENT SECTION

[1] Construction

This section details adjusting items and procedures. Use this section for making adjustments and as a checklist before implementing corrective measures in the field.

1. Does the power supply meet the requirements?
2. Is the power supply properly grounded?
3. Is the machine sharing its power source with another high current consumption machine that draws large currents intermittently? (e.g. an elevator, air conditioner, or other source of electrical consumption)
4. Is the installation environment suitable?
 - a. The machine must be installed in a well-ventilated place free from high temperature, high humidity and direct sunlight.
 - b. The machine must be installed on a level floor.
5. Does the cause of a defective image lie in the original itself?
6. Is the density adjusting control at the proper position?
7. Are the original glass and RADF platen guide clean?
8. Is the correct paper being used for the copy?
9. Are the copying materials and parts replaced when they reach the end of their usable life? (developer, drum, cleaning blade, etc.)

-  10. Is there toner in the toner bottle?

The following items should also be observed when repairing the machine.

1. Only one side of the AC power line is disconnected when the main power of this machine is turned off. Always unplug the machine before beginning work. If absolutely necessary to work with the power on, exercise care to avoid being caught in the scanning rear of the exposure unit.
2. Special care should be taken when handling the fixing unit since it operates at extremely high temperatures.
3. The developing unit is surrounded by a strong magnetic field. Keep watches and metering equipment away from it.
4. Avoid scarring the drum with tools or similar objects.
5. Do not touch IC pins with your bare hands.

ADJUSTMENTS WHEN REPLACING PARTS

Adjustments (including checks) and settings are not only required when a defective copy image occurs, but also after replacing or reinstalling certain parts.

[How to use the tables]

The following items are used in the tables throughout this section.

1. Mode

Indicates the adjustment mode.

["25"] : 25 mode

["36"] : 36 mode

["47"] : 47 mode

2. Codes

Indicates the applicable code and/or Copy Quantity Setting button for each mode.

3. Conditions

New: Indicates adjustment (including check) is required when replacing a new part.

Reset: Indicates adjustment (including check) is required when a part has been re-installed.

4. Symbols used in the tables

① ② : Indicates there is a priority sequence for adjustments (including checks) and settings.

○ (Empty circle) : Indicates adjustments (including checks) and settings that can be carried out independently.

LIST OF ADJUSTMENT ITEMS

3 List of adjustment items for 7020 series

| | Adjustment setting items | PM counter reset | PM cycle set | L detection adjustment | Vertical magnification adjustment (printer, platen) | Vertical magnification adjustment (RADF) | Horizontal magnification adjustment (platen) | Restart timing adjustment (Mainbody and DB) | Restart timing adjustment (RADF) | Paper feed loop amount adjustment | Leading edge original erasure adjustment | Centering adjustment | Image read point adjustment | RADF scanning density adjustment | Drum unit related counter clearing | Fixing unit related counter clearing | E-RDH memory check |
|--------------------------------------|--------------------------|-----------------------|--------------------------|--------------------------|---|--|--|---|----------------------------------|-----------------------------------|--|----------------------|-----------------------------|----------------------------------|------------------------------------|--------------------------------------|-----------------------|
| Part name | Mode | 25 | 25 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 47 |
| | Code | 2-1 | 2-2 | 1 | 2-1 | 2-1 | 2-1 | 2-2 | 2-2 | 2-3 | 2-4 | 2-5 | 2-6 | 6-2 | 8-1 | 8-2 | 198 |
| Drum | New | <input type="radio"/> | | | | | | | | | | | | | <input type="radio"/> | | |
| Developer | New | <input type="radio"/> | | <input type="radio"/> *2 | | | | | | | | | | | | | |
| Fixing unit-related parts | New | <input type="radio"/> | | | | | | | | | | | | | | <input type="radio"/> | |
| Writing unit | New/Re | | | | ① | ② | ③ | ④ | ⑤ | | ⑥ | ⑦ | | | | | |
| Parameter memory substrate | New | <input type="radio"/> | <input type="radio"/> *1 | | ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | <input type="radio"/> | | | |
| Paper feeding-related rubber rollers | New | | | | ① | ② | | ③ | | | | | | | | | |
| RADF | New/Re | | | | ① | ② | | | ③ | ④ | ⑤ | ⑥ | | ⑦ | | | |
| RADF slit glass | New | | | | | | | | | | | | | <input type="radio"/> | | | |
| E-RDH memory | New/Re | | | | | | | | | | | | | <input type="radio"/> | | | <input type="radio"/> |

- "New" means replace with a new part and "Re" means to reinstall the part.
- The circles will appear above a number when there is an adjustment priority.

*1: When the parameter memory board is replaced, remember to replaced the developer before conducting the L deection adjustment.

*2: After replacing the developer, be sure that you do not make any copies until you have first carried out L detection adjustment.

MODE CHANGE MENU

Each adjustment mode is selected by conducting special operations:

[1] Setting Method

The following modes can be selected on the screen without turning OFF/ON the power supply:

1. Normal mode
2. Adjustment mode (36 mode)
3. Memory setting mode (25 mode)
4. Key ope mode (Key operator mode)
5. I/O check mode (47 mode)
6. Exit

| Step | Operation procedure |
|------|--|
| 1 | Turn on the main and sub power switches. |
| 2 | Keep pressing the * button until the message "Please enter service password." appears. |
| 3 | Input 9272 as the password and press the [Start] key. (The password is fixed and cannot be changed.) |
| 4 | [Mode Select Menu Screen] Press the key of the mode to be selected on the screen. To return to the Mode Change Menu Screen, keep pressing the * button until the screen appears. |
| 5 | When the adjustment ends, press [1. Normal Mode] key and the basic screen will appear. |

CHECK OF COUNT VALUE WITH P FUNCTION

The P function enables to display of the following parameters by using the * button:

Total count

- Total count start date (Note 1)
- PM count/PM count limit (Note 2)
- PM count start date (Note 2)
- Fax send paper count (Note 3)
- Fax receive paper count (Note 3)
- Printer count (Note 3)
- Scanner count (Note 3)
- Drum count (Note 2)
- Developing count (Note 2)
- Fixing unit count (Note 2)

Note 1: Displayed only when address 22-4 of "1. Software switch setting" in the 25 mode is set to '1'.

Note 2: Displayed when the ! button on the P mode screen is pressed.

Note 3: Displayed when an option is installed.

⚠ [1] How to Use P Function

1. Turn on the SW1 (main power) and SW2(sub power) to display the basic screen.
2. Press the * button.
3. The P mode screen appears, and the total count value appears.
When an option is installed, the counter values for the FAX, printer and scanner also appear.
The counter that appears differs depending upon the installed option.
4. If you press the ! button on the P mode screen, service-related counters that indicate the PM count, and so on, appear.
5. To output the count value list, press the [PRINT] key.

| Counter list | | P.1 | |
|-------------------------|------------------------|------------------|------------------|
| | | 08/05/2000 20:17 | |
| | | 29ED0001 | |
| Machine Name:7020 | | | |
| Service center Fax No.: | | | |
| Machine information | | | |
| DESTINATION | EU | | |
| Total count | Start date | 08/04/2000 | TOTAL COUNT 9171 |
| Serial number | | | |
| Main body | 29ED0001 | Option tray | |
| ADF | 135L0002 | Finisher | 13200007 |
| Printer | | Fax control | 13F00005 |
| Scan Count | | | |
| | Item | | TOTAL COUNT |
| | Scanner Count | | - |
| Print Count | | | |
| | Item | | TOTAL COUNT |
| | Total copy count | | 8281 |
| | Print count | | 562 |
| | Fax count | | 329 |
| Comm Count | | | |
| | Item | | TOTAL COUNT |
| | FAX Tx count | | 143 |
| | Total pages sent | | 171 |
| | FAX Rx count | | 76 |
| | Total pages received | | 94 |
| Count | | | |
| | Item | | Setting |
| | PM COUNT/CYCLE setting | 3070 / 100000 | 16/01/2000 |
| | DRUM COUNT | | 8025 |
| | DEVELOPMENT COUNT | | 8025 |
| | Fixing unit counter | | 7486 |

6. Press the [OK] key or the stop/clear button to return to the basic screen.

25 MODE

<List of adjustment items for 25 mode>

| Adjustment item menu | | Remarks |
|--|--|--|
| 1. Software SW | | Refer to "List of software DIP SW". |
| 2. PM COUNT/CYCLE | 1. PM COUNT reset | |
| | 2. PM CYCLE set | |
| 3. Collecting data | 1. Count data | Data Collection 1 (by each size) (RADF paper passage count) |
| | | Data Collection 2 (JAM occurrence count by each point) |
| | | Data Collection 3 (copy count by each mode) |
| | | Data Collection 4 (SC occurrence count : F code) |
| | 2. Date count data | |
| 4. Parts counter | 1. Count of parts (Fixed) | 41 items (7020/25/30 is the 39th item) |
| | 2. Count of parts (Named) | 30 items |
| 5. Password setting | 1. Key operator password set | 4 digits |
| | 2. E.K.C. master key code set | 8 digits |
| | 3. Weekly timer master key set | 4 digits |
| 6. Service TEL No. | | Telephone & Fax. No. of service center setting. |
| 7. Serial number | | Sets up the serial number display of the main body and each option, and the FAX destination. |
| 8. ROM version | | Indicates the version of the ROM used for overall control, image control, the operation panel control, optics control, the RADF, the finisher, FAX control, and printer. |
| 9. KRDS setting | 1. Calling time set 2. Host password set 3. KRDS TEL No. Setting 4. KRDS software SW set 5. KRDS Setup calling | |
| 10. ISW | | Rewrites the contents of the flash ROM of each board including boards used in options except for a printer. |
| 11. Root counter | | Displays the root counter (total counter). |
| 12. Setting date | | Sets the starting date of the total counter. |
| 13. Counter clear (Note) (Other than 7020/25/30/35) | 1. Drum unit related counter | Clears the drum counter and the drum drive counter |
| | 2. Fixing unit related counter | Clear fixing web counter |



Note: "13. Counter clear mode" is the same as "8. Counter clear" of the 36 mode.

[1] Setting Method

A special operating mode called "25 Mode" has been provided with this machine. This mode enables rewriting of the non-volatile storage and specify other various settings.

1. Turn OFF the SW2 (sub power) when the SW1 (main power) remains ON.
2. Turn the SW2 (sub power) ON while pressing 2 and 5 of the copy quantity setting buttons. The 25 mode menu screen will appear.

In the 25 mode normal copy operation becomes unavailable.

25 MODE MENU SCREEN

| Memory setting mode | |
|-------------------------------|------------------|
| Select one of following items | |
| 1. Software SW | 7. Serial number |
| 2. PM COUNT/CYCLE | 8. ROM version |
| 3. Collecting data | 9. KRDS setting |
| 4. Parts counter | 10. ISW |
| 5. Password setting | 11. Root counter |
| 6. Service TEL No. | 12. Setting date |

3. Press the desired item key on the LCD screen. Each setting screen will appear.

Caution: In the case of a machine other than the 7020/25/30/35, the [▼] key is displayed at bottom left of the above screen. By pressing the [▼] key, the [13. Counter Clear] key appears.
4. Enter data in each selected screen.
5. Press the [Return] key to check the data that has been entered.
6. Turn the SW2 (sub power) off to cancel the 25 mode.
7. New data will be effective after restarting.

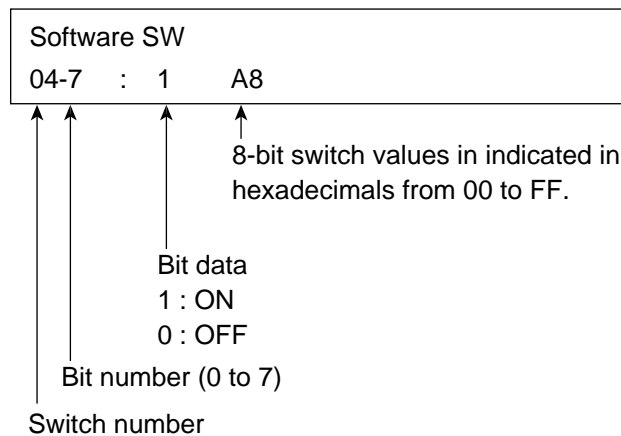
[2] Setting Software DIP SW

1. Setting method

This setting specifies the software DIP switch on the software SW setting screen. (*1)

Caution 1: The bit of the DIP switch is written in the non-volatile memory every time it is changed.

Caution 2: The numbers shown in the message area are defined as follows:



2. Setting procedures


| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 Mode. |
| 2 | [25 mode menu screen] Press the [1. Software SW] key. |
| 3 | [Software SW setting screen] Select DIP switch number. Use the left [▲], [▼] key. |
| 4 | Select bit number of the DIP switch. Use the center [▲], [▼] key. |
| 5 | Select ON (=1) or OFF (=0) of the DIP switch. Use [ON] or [OFF] key. [ON] : Set bit. [OFF] : Clear bit. |
| 6 | Press the [Return] key to return to the 25 mode menu screen. |





For each switch function, refer to "List of Software DIP switches".

List of software DIP switches

| DIP SW No. | BIT | Functions | 0 | 1 | Default values | | | |
|------------|--|--|--|---|----------------|------|--------|---|
| | | | | | Japan | Inch | Metric | |
| DIP SW1 | 0 | Operation when key counter is removed (when using as a copier) | Ignore | Instantaneous stop Jam | 0 | 1 | 1 | |
| | 1 | A3 (11 x 17) counting method | Count as 1 | Count as 2 | 0 | 0 | 0 | |
| | 2 | — | — | — | 0 | 0 | 0 | |
| | 3 | Selection of maximum number of copies that can be stapled by FS-107. | *1 | | | 0 | 0 | 0 |
| | 4 | | | | | 0 | 0 | 0 |
| | 5 | — | — | — | 0 | 0 | 0 | |
| | 6 | — | — | — | 0 | 0 | 0 | |
| 7 | FS107 limit on number of stapled sets *2 | None | Temporary stop after 25 sets of copy | 0 | 0 | 0 | | |
| DIP SW2 | 0 | Toner replenish stop timing *3 | Decide with DIP SW 3-2 | Stop after paper exited | 0 | 0 | 0 | |
| | 1 | — | — | — | 0 | 0 | 0 | |
| | 2 | — | — | — | 1 | 1 | 1 | |
| | 3 | — | — | — | 1 | 1 | 1 | |
| | 4 | — | — | — | 0 | 0 | 0 | |
| | 5 | 1-shot message display at automatic staple mode clearing *4 | Yes | No | 1 | 1 | 1 | |
| | 6 | — | — | — | 1 | 1 | 1 | |
| 7 | Prohibition of non-image area erases, repeat (auto) and original position correction | No | Yes | 0 | 0 | 0 | | |
| DIP SW3 | 0 | Use F4 size for Latin America destination | No | Yes | 0 | 0 | 0 | |
| | 1 | F34/F35/F36 latch *5 | No | Yes | 0 | 0 | 0 | |
| | 2 | Toner replenish stop timing 2 *3 | When copying ends | Interval between copy set | 0 | 0 | 0 | |
| | 3 | Return to EKC screen after copying reservation *6 | No | Yes | 0 | 0 | 0 | |
| | 4 | — | — | — | 0 | 0 | 0 | |
| | 5 | By-pass feed non-standard size selection *7 | Size detection effective | Non-standard size handling | 0 | 0 | 0 | |
| | 6 | — | — | — | 0 | 0 | 0 | |
| DIP SW4 | 0 | Toner level detection ("Supply toner" indication) | *3 | | | 0 | 0 | 0 |
| | 1 | — | — | | | 0 | 0 | 0 |
| | 2 | Number of copies allowed before machine stops after "Supply Toner" indication. | *3 | | | 1 | 1 | 1 |
| | 3 | | 1 | 1 | 1 | | | |
| | 4 | Non-display of advance/delete buttons for job list *8 | Display | Do not display | 0 | 0 | 0 | |
| | 5 | Job stop or nonstop at no toner *3 | Does not stop | Stops | 1 | 1 | 1 | |
| | 6 | Impossibility of coping reservation to coin vender | Can reserve copying | Cannot reverse copying | 0 | 0 | 0 | |
| 7 | — | — | — | 0 | 0 | 0 | | |
| DIP SW5 | 0 | (Destination switchover) | *9 | | | 0 | 1 | 0 |
| | 1 | — | — | | | 0 | 0 | 1 |
| | 2 | — | — | — | 0 | 0 | 0 | |
| | 3 | — | — | — | 0 | 0 | 0 | |
| | 4 | Detecting method of 8.5 x 11 size on RADF | The size is detects as 8.5 x 11 even if the original reaches to RADF's PS307 (original detect PS 2). | If original reaches to RADF's PS307 (original detect PS 2), the size is detected as 8.5 x 14. | 0 | 0 | 0 | |
| | 5 | Toner consumption reduction switch | *37 | | | 0 | 0 | 0 |
| | 6 | — | — | | | 0 | 0 | 0 |
| DIP SW6 | 0 | Drum initial rotation first thing in the morning | *40 | | | 0 | 0 | 0 |
| | 1 | K size selection switch for Taiwan destination | Metric sizes | K sizes available | 0 | 0 | 0 | |
| | 2 | K size selection switch for Taiwan destination (By pass feed) | Metric sizes | K sizes available | 0 | 0 | 0 | |
| | 3 | — | — | — | 0 | 0 | 0 | |
| | 4 | Polygon motor stop/low-speed rotation start timing | *10 | | | 0 | 0 | 0 |
| | 5 | | 0 | 0 | 0 | | | |
| | 6 | Polygon motor stop/low-speed rotation | *11 | | | 0 | 0 | 0 |
| 7 | setting | — | | | 0 | 0 | 0 | |

| DIP SW No. | BIT | Functions | 0 | 1 | Default values | | | |
|---------------|---|--|-------------------------------|--|----------------|------|--------|---|
| | | | | | Japan | Inch | Metric | |
| 3 DIP SW7 | 0 | Copy paper priority in image area *12 | Area erasure outside original | Images on whole page in the platen mode only | 1 | 1 | 1 | |
| | 1 | Automatic restart after feeding paper (Other than Inch) *13 | Does not restart | Restarts | 0 | 0 | 0 | |
| | 2 | 8.5x11APS (Japan, Metric), A4APS (Inch) *14 | Yes | No | 1 | 0 | 0 | |
| | 3 | Nonstandard-size notification for platen APS A4 (Japan, Metric) / 8.5x11 (Inch) *15 | No | Yes | 0 | 0 | 0 | |
| | 4 | Nonstandard-size notification for platen APS B6 (Japan) / A5 (Metric) / 5.5 x 8.5 (Inch) *15 | No | Yes | 0 | 0 | 0 | |
| | 5 | Password request for 25/36/47 mode *17 | No | Yes | 0 | 0 | 0 | |
| | 6 | Selection of A series size (Metric only) | No | Yes | 0 | 0 | 0 | |
| 3 7 | | – | – | – | 1 | 0 | 0 | |
| DIP SW8 | 0 | Selection of automatic erasure outside original (7020/25/30)*16 | Rectangular erasure | Handling of slanted original | 1 | 0 | 0 | |
| | 1 | Changing of key operator fixed magnification setting | Permit | Prohibit | 1 | 0 | 0 | |
| | 2 | Disabling copying when PM count reached *18 | Permit | Prohibit | 0 | 0 | 0 | |
| | 3 | Adjusting of LCD contrast to help screen | No | Yes | 0 | 0 | 0 | |
| | 4 | Priority tray when APS is released | *19 | | | 0 | 0 | 0 |
| | 5 | | | | 0 | 0 | 0 | |
| | 6 | | | | 0 | 0 | 0 | |
| 7 | Data collection (25 Mode) *20 | No | Yes | 0 | 0 | 0 | | |
| DIP SW9 | 0 | Selection of copy quantity limit | *21 | | | 0 | 0 | 0 |
| | 1 | | | | 0 | 0 | 0 | |
| | 2 | | | | 0 | 0 | 0 | |
| | 3 | | | | 0 | 0 | 0 | |
| | 4 | – | – | – | 0 | 0 | 0 | |
| | 5 | – | – | – | 0 | 0 | 0 | |
| | 6 | P81 messages (Messages displayed on machines installed in convenience stores) | *22 | | | 0 | 0 | 0 |
| 7 | | | | 0 | 0 | 0 | | |
| DIP SW10 | 0 | Summer time setting for weekly timer | *23 | | | 0 | 0 | 0 |
| | 1 | | | | 1 | 1 | 1 | |
| | 2 | | | | 1 | 1 | 1 | |
| | 3 | | | | 0 | 0 | 0 | |
| | 4 | Selection of magnification mode when APS function is cancelled. | Display auto | Display 1.00 | 0 | 0 | 0 | |
| | 5 | – | – | – | 0 | 0 | 0 | |
| | 6 | Icon display in third line of LCD message display | No | Yes (Toner low, PM, etc.) | 1 | 0 | 0 | |
| 7 | Displaying of JAM code | No | Yes | 0 | 0 | 0 | | |
| 3 DIP SW11 | 0 | Message that appears when the RADF is open | Yes | No | 0 | 0 | 0 | |
| | 1 | – | – | – | 0 | 0 | 0 | |
| | 2 | – | – | – | 0 | 0 | 0 | |
| | 3 | – | – | – | 0 | 0 | 0 | |
| | 4 | – | – | – | 0 | 0 | 0 | |
| | 5 | – | – | – | 0 | 0 | 0 | |
| | 6 | Tray icon display in LCD size selection area | No | Yes | 1 | 0 | 0 | |
| 7 | – | – | – | 0 | 0 | 0 | | |
| DIP SW12 | 0 | – | – | – | 0 | 0 | 0 | |
| | 1 | – | – | – | 0 | 0 | 0 | |
| | 2 | – | – | – | 0 | 0 | 0 | |
| | 3 | Setting of PM count at which copying is inhibited | *18 | | | 0 | 0 | 0 |
| | 4 | | | | 0 | 0 | 0 | |
| | 5 | | | | 0 | 0 | 0 | |
| | 6 | KRDS connection recognition | Not recognize | Recognize | 0 | 0 | 0 | |
| 7 | F/E screen switchover (except for F34, F35 and F36) *24 | No | Yes | 0 | 0 | 0 | | |

 **Note:** Parenthesized bit numbers among the initial values apply to the 7022/7130.

| DIP SW No. | BIT | Functions | 0 | 1 | Default values | | | |
|------------|---|--|---|---|---|----------|----------|-------|
| | | | | | Japan | Inch | Metric | |
| DIP SW13 | 0 | – | – | – | 0 | 0 | 0 | |
| | 1 | – | – | – | 0 | 0 | 0 | |
| | 2 | – | – | – | 0 | 0 | 0 | |
| | 3 | Selection of filter for jagged edges on slanting lines | ON | OFF | 0 | 0 | 0 | |
| | 4 | – | – | – | 0 | 0 | 0 | |
| | 5 | – | – | – | 0 | 0 | 0 | |
| |  | 6 | Threshold for automatic erasure of outside original (7020/25/30) | *25 Note 1: Initial value for a machine other than the 7020/25/30 in the case where () is appended to the bit No. of the initial value | | 0 (1) | 0 (1) | 0 (1) |
| 7 | 0 | 0 | | | | 0 | | |
| DIP SW14 | 0 | Operation when stapling is not possible | *26 | | 0 | 1 | 0 | |
| | 1 | (Other than B6R, post card nonstandard) | | | 0 | 1 | 0 | |
| | 2 | – | – | – | 0 | 1 | 0 | |
| | 3 | – | – | – | 0 | 1 | 0 | |
| | 4 | Operation when one position stapling is not available | *27 | | 0 | 0 | 0 | |
| | 5 | | | | 0 | 0 | 0 | |
| | 6 | Operation when two position stapling is not available | *28 | | 0 | 0 | 0 | |
| 7 | 0 | | | | 0 | 0 | | |
| DIP SW15 | 0 | – | – | – | 0 | 0 | 0 | |
| | 1 | – | – | – | 0 | 0 | 0 | |
| | 2 | – | – | – | 0 | 0 | 0 | |
| | 3 | – | – | – | 0 | 0 | 0 | |
| | 4 | – | – | – | 0 | 0 | 0 | |
| | 5 | – | – | – | 0 | 0 | 0 | |
| |  | 6 | Full stack stop when FNS not installed | No | Machine pauses after 100 sheets have been exited. | 0 | 0 | 0 |
| 7 | Occurrence of overload stop when FNS or IT is not connected | Decide with DIP SW15-6 | Machine pauses after 400 sheets have been exited. | 0 | 0 | 0 | | |
| DIP SW16 |  | 0 | *30 Note 2: Initial value for a machine other than the 7035 in the case where () is appended to the bit No. of the initial value | | 0 | 0 | 0 | |
| | 1 | Fixing temperature at low power mode | | | 1 | 1(0) | 1(0) | |
| | 2 | Operation of PTC * In the case of the 7022/7130, the internal heater is treated as an option. | Always ON | PTC is OFF if OFF mode, if SW2 (sub power) is OFF, or if system is OFF due to WT or auto shutoff. | 0 Note 3 (1) | 0 (1) | 0 (1) | |
| | 3 | Copy inhibit flag prior to L detection | Copy enable | Copy inhibit | 0 | 0 | 0 | |
| |  | 4 | Indication to prepare toner bottle (7020/25/30/35) | Not indicated | Indicated | 0 | 0 | 0 |
| | 5 | Operation when temperature inside machine rises (7020/25/30) | Stop job | Stop job, and turn OFF fixing heater | 0 | 0 | 0 | |
| | 6 | MPC correction control | *31 | | 0 | 0 | 0 | |
| 7 | | | | 0 | 0 | 0 | | |
| DIP SW17 | 0 | F4 size setting | *32 | | 0 | 0 | 0 | |
| | 1 | | | | 0 | 0 | 0 | |
| | 2 | | | | 0 | 0 | 0 | |
| | 3 | Host printing cannot be performed when a key counter is installed. | Printing takes place. | Printer abort processing | 0 | 0 | 0 | |
| | 4 | – | – | – | 0 | 0 | 0 | |
| | 5 | Shift from by-pass feed in ATS mode is inhibited. | Shift inhibited. | Shift possible. | 0 | 0 | 0 | |
| | 6 | ITU (inner tray), vendor switchover | ITU selected. | Vendor selected. | 0 | 0 | 0 | |
| 7 | Separation claw operation OFF mode (for machines destined for China) | Normal | OFF | 0 | 0 | 0 | | |
| DIP SW18 | 0 | Unit isolation (1) | *33 | | 0 | 0 | 0 | |
| | 1 | | Tray 1 (main body upper) can be used | Tray 1 (main body upper) is isolated | 0 | 0 | 0 | |
| | 2 | | Tray 2 (main body lower) can be used | Tray 2 (main body lower) is isolated | 0 | 0 | 0 | |
| | 3 | | – | – | 0 | 0 | 0 | |
| | 4 | | – | – | 0 | 0 | 0 | |
| | 5 | | Tray 3 (DB upper) can be used | Tray 3 (DB upper) is isolated | 0 | 0 | 0 | |
| | 6 | | Tray 4 (DB lower) can be used | Tray 4 (DB lower) is isolated | 0 | 0 | 0 | |
| | 7 | | – | – | 0 | 0 | 0 | |
| | DB can be used | DB is isolated | 0 | 0 | 0 | | | |

| DIP SW No. | BIT | Functions | 0 | 1 | Default values | | |
|------------|---|--|--|---|----------------|------|--------|
| | | | | | Japan | Inch | Metric |
| DIP SW19 | 0 | Unit isolation (2) *33 | Printer board can be used | Printer board is isolated | 0 | 0 | 0 |
| | 1 | | Fax board can be used | Fax board is isolated | 0 | 0 | 0 |
| | 2 | | – | – | 0 | 0 | 0 |
| | 3 | | – | – | 0 | 0 | 0 |
| | 4 | | – | – | 0 | 0 | 0 |
| | 5 | | Scanner can be used | Scanner is isolated | 0 | 0 | 0 |
| | 6 | | – | – | 0 | 0 | 0 |
| | 7 | RADF can be used | RADF is isolated | 0 | 0 | 0 | |
| DIP SW20 | 0 | Unit isolation (3) *33 | – | – | 0 | 0 | 0 |
| | 1 | | – | – | 0 | 0 | 0 |
| | 2 | | – | – | 0 | 0 | 0 |
| | 3 | | – | – | 0 | 0 | 0 |
| | 4 | | FNS can be used | FNS offset mode cannot be used | 0 | 0 | 0 |
| | 5 | | – | – | 0 | 0 | 0 |
| | 6 | | – | – | 0 | 0 | 0 |
| | 7 | – | – | 0 | 0 | 0 | |
| DIP SW21 | 0 | Platen size recognition selector switch 1 for Latin America (Inch only) | 8.5 x 11 | A4 | 0 | 0 | 0 |
| | 1 | Platen size recognition selector switch 2 for Latin America (Inch only) | 8.5 x 11R | A4R | 0 | 0 | 0 |
| | 2 | Platen size recognition selector switch 3 for Latin America (Inch only) | 8.5 x 14 | F4 | 0 | 0 | 0 |
| | 3 | Notice of nonstandard small platen size (Inch only) *15 | Notice of noticed size | Notice as nonstandard size | 0 | 0 | 0 |
| | 4 | Job suspension/end at pulling out key counter | If DIP SW1-0:0: Stop paper feed and terminate If DIP SW1-0:1 Immediate-stop jam | If DIP SW1-0:0: Stop paper feed and printing is interrupted If DIP SW1-0:1 Immediate-stop jam | 0 | 0 | 0 |
| | 5 | Notice of small size of platen mode (8.5x11/A4 or smaller) *15 | Notice size detected by APS. | Notice size as A4 (Japan, Metric) or 8.5x11 (Inch) | 0 | 0 | 0 |
| | 6 | Total-counter/key-counter increment operation | Normal operation (Both the total counter and the key counter count up regardless of the mode.) | During a copy mode, both the total counter and the key counter count up. During a printer/Fax mode, only the total counter is counted up. | 0 | 0 | 0 |
| 7 | When using an EKC, the password screen appears at the end of each job. (Other than 7020/25/30/35) | No | Yes | 0 | 0 | 0 | |
| DIP SW22 | 0 | Turns ON the sub power switch when the main power switch is turned ON. *34 | No | Yes (WUT increase) | 0 | 0 | 0 |
| | 1 | Nonstandard size becomes effective at automatic platen start *35 | No | Yes (only by-pass tray) | 0 | 0 | 0 |
| | 2 | FM4 (internal cooling fan) connection switch (7020/25/30/35) | Connecting | Disconnecting | 0 | 0 | 0 |
| | 3 | – | – | – | 0 | 0 | 0 |
| | 4 | Indication of total count start day on P mode screen | Not indicated | Indicated | 0 | 0 | 0 |
| | 5 | Platen APS detected size enlargement (7020/25/30/35) | Size detection enlargement | Detected size at commencement of mass-production | 0 | 0 | 0 |
| | 6 | Paper magnification correction according to paper size | Invalid | Valid | 0 | 0 | 0 |
| 7 | Exit limit detect sensor (PS19) (7020/25/30/35) | Exist | Not exist | 1 | 1 | 1 | |

| DIP SW No. | BIT | Functions | 0 | 1 | Default values | | | |
|------------|-----|---|---|--|--|------|--------|---|
| | | | | | Japan | Inch | Metric | |
| DIP SW23 | 0 | Automatic tray changeover when FNS tray is full | No automatic changeover to Tray 1 | Automatic changeover to Tray 1 | 1 | 1 | 1 | |
| | 1 | | No automatic changeover to Tray 2 | Automatic changeover to Tray 2 | 1 | 1 | 1 | |
| | 2 | | No automatic changeover to Tray 3 | Automatic changeover to Tray 3 | 1 | 1 | 1 | |
| | 3 | | No automatic changeover to Tray 4 | Automatic changeover to Tray 4 | 1 | 1 | 1 | |
| | 4 | 100 sheets are exited when FNS is not stapled, and tray is detected full | No | Yes | 0 | 0 | 0 | |
| | 5 | 100 sheets are exited when FNS is stapled, and tray is detected full | No | Yes | 1 | 1 | 1 | |
| | 6 | — | — | — | 0 | 0 | 0 | |
| | 7 | Stopping of the machine when the fixing web counter | Not stop | Stops | 0 | 0 | 0 | |
| DIP SW24 | ③ | 0 | Toner density selection of developer (7020/25/30/35) | No | Set. (Note, however that the bit is automatically made 0 after L detection adjustment has ended normally.) | 0 | 0 | 0 |
| | | 1 | | *41 | | 0 | 0 | 0 |
| | | 2 | Automatic change of printer paper size | *29 | | 0 | 0 | 0 |
| | 3 | | | | 0 | 0 | 0 | |
| | 4 | Sets tray at commencement of search when APS is used. | *38 | | 0 | 1 | 0 | |
| | 5 | | | | 0 | 0 | 1 | |
| | 6 | Changeover of original quantity display during operation | Job No. indication | Original quantity indication | 0 | 0 | 0 | |
| | 7 | Job start and changeover without print process stop *36 | Without process stop | Process stop | 0 | 0 | 0 | |
| DIP SW25 | 0 | Automatic changeover of tray when the IT101 tray is full | No automatic changeover to Tray 1 | Automatic changeover to Tray 1 | 0 | 0 | 0 | |
| | 1 | | No automatic changeover to Tray 2 | Automatic changeover to Tray 2 | 0 | 0 | 0 | |
| | 2 | — | — | — | 0 | 0 | 0 | |
| | 3 | — | — | — | 0 | 0 | 0 | |
| | 4 | — | — | — | 0 | 0 | 0 | |
| | 5 | For postcard-to-postcard copying, rotation takes place even when APS/AMS is not used | No rotation | Rotation takes place. | 0 | 0 | 0 | |
| | 6 | 180 degree rotation takes place even when there are no staples | No rotation | Rotation takes place. | 0 | 0 | 0 | |
| | 7 | FAX transmission 8K/16K for machines destined for Taiwan | Image is transmitted in reduced form. | Image is transmitted with both edges erased. | 0 | 0 | 0 | |
| DIP SW26 | 0 | Printer density selection (Patch detection control threshold value change) | *39 | | 0 | 0 | 0 | |
| | | | | | 0 | 0 | 0 | |
| | | | | | 1 | 1 | 1 | |
| | ③ | 3 | Image position reference use for by-pass feed copying on non-standard size paper | Center | Recording paper side | 0 | 0 | 0 |
| | | 4 | Printer EKC mismatch print operation | Permit | Prohibit | 0 | 0 | 0 |
| | | 5 | Top & bottom erase mode of the application functions (7020/25/30/35) | No | Yes | 0 | 0 | 0 |
| | | 6 | The timer for canceling a job that was interrupted due to removal of the key counter is valid | Invalid | Valid | 0 | 0 | 0 |
| | | 7 | "No IP scanner function" setting | Use | Do not use | 0 | 0 | 0 |
| DIP SW27 | ③ | 0 | Automatic copying reservation function (Other than 7020/25/30/35) | *42 | | 0 | 0 | 0 |
| | | 1 | — | — | — | 0 | 0 | 0 |
| | | 2 | — | — | — | 0 | 0 | 0 |
| | | 3 | — | — | — | 0 | 0 | 0 |
| | | 4 | — | — | — | 0 | 0 | 0 |
| | 5 | Density setting when the printer toner save function is selected (Other than 7020/25/30/35) | *43 | | 0 | 0 | 0 | |
| | 6 | | | | 0 | 0 | 0 | |
| | 7 | | | | 0 | 0 | 0 | |

*1 : FS107 stapling upper limit

| Mode | 1-3 | 1-4 |
|-----------|-----|-----|
| 50 sheets | 0 | 0 |
| 45 sheets | 1 | 0 |
| 40 sheets | 0 | 1 |
| 35 sheets | 1 | 1 |

The following dipswitch settings are related:

- DIP SW 2 – 5
1-shot message display at automatic staple mode clearing.

*2 : FS107 limit on number of stapled sets

If this bit is set to "1", then if the user specifies more than 25 stapled sets the copier automatically stops after reaching the 25th set, and displays a message instructing the user to remove the paper and press the START button.

*3 : Toner-replenish stop timing

When the TLD (toner level detector) detects that the toner-out condition has persisted for a fixed length of time, the copier waits an additional number of copies (as specified by DIP SW4 – 0, 4 – 1) and then displays a message instructing the user to load new toner. (The toner-low condition)

- Toner-level detect (message requesting new toner)

| Mode | 4-0 | 4-1 |
|----------------------------|-----|-----|
| After 0 effective copies | 0 | 0 |
| After 100 effective copies | 1 | 0 |
| After 200 effective copies | 0 | 1 |
| After 500 effective copies | 1 | 1 |

Following the message display, the copier allows printing of an additional number of copies as set by DIP SW4 – 2, 4 – 3, and will then disable copying.

- Count from appearance of toner supply message until copying is inhibited

| Mode | 4-2 | 4-3 |
|--------------------------|-----|-----|
| After almost 100 copies | 0 | 0 |
| After almost 400 copies | 1 | 0 |
| After almost 700 copies | 0 | 1 |
| After almost 1000 copies | 1 | 1 |

However, that the copier will stop only if DIP SW4 – 5 ("Job stop or nonstop at no toner ") is set to "1".

- The toner-low/toner-out condition is cleared by

insertion of a new toner bottle (toner-bottle detect sensor OFF/ON).

- The toner-out stop conditions vary according to the settings of DIP SW3 – 2 and DIP SW2 – 0.

*4 : 1-shot message display at automatic staple mode clearing

If 1-shot display is enabled: If the copy limit is exceed during staple-mode operation, a message indicating this appears on the display, and copying continues in sort mode.

Note that this setting is related to the "1-SHOT DISPLAY TIME" setting available under key-operator mode. For information about memory switches, refer to the Instruction Manual.


*5 : F34/F35/F36 latch

In the event of a fixing-related error, the setting changes to "1" so that power OFF/ON will not clear the error condition. After correcting (repairing) the problem, reset this to "0" to re-enable copying.


*6 : Return to EKC screen after copying reservation

If EKC setup is enabled, then if this bit is set to "1" (return to screen) the copier will immediately display the EKC password-request screen following exit of the final sheet for the reserved jobs. If copying is not reserved, the copier will wait 1 minute following job completion before displaying the EKC password-request screen.

*7 : Bypass feed nonstandard size selection

 This setting determines whether the system detects the size of the paper in the bypass tray. If the setting is "1" (handle as nonstandard size), the size is not detected and copying is based on the maximum paper size.

*8 : Non-display of advance/delete buttons for job list

 Under default conditions, the job list screen allows for deletion or priority changing of jobs that have been stored in E-RDH memory.

If this bit is set to "1"(non-display), however, the advance and delete buttons will not appear on the display so that it will not be possible to delete or reorder the reserved jobs.

***9 : Destination switch**

It is recommended that the destination is amended with the "Destination" setting on the 25 mode serial number setting.

| Mode | 5-0 | 5-1 |
|--------|-----|-----|
| Japan | 0 | 0 |
| Inch | 1 | 0 |
| Metric | 0 | 1 |
| Taiwan | 1 | 1 |

 : Inch

 : Metric

△ *10 : Polygon motor stop/low-speed rotation start timing

In the polygon motor stop/low-speed rotation setting marked *11, when low-speed or stop is specified, the polygon motor operation will shift to low-speed or stop mode after the time specified in DIP SW has passed.

The start of the passed time shall be from the timings listed below.

- When the warmup is completed
- When final operations for the operation keys (excluding copy start key), ADF, tray, and so forth during idling state are completed
- When copy or print jobs are completed

| Mode | 6-4 | 6-5 |
|-------------------|-----|-----|
| 15 seconds (Note) | 0 | 0 |
| 30 seconds | 1 | 0 |
| 60 seconds | 0 | 1 |
| 120 seconds | 1 | 1 |

Note: The default setting for 7135 is 60 seconds.

△ *11 : Polygon motor stop/low-speed rotation setting

To lower the rotating sound of polygon motor during idling state, the polygon motor rotation can be switched into low-speed or stop mode.

The switch timing is set in the polygon motor stop/low-speed rotation start timing marked *10.

And, when the polygon motor is in low-speed or stop mode, fast copy out time may be increased.

| Mode | 6-6 | 6-7 |
|-----------------------------------|-----|-----|
| No stop/low-speed rotation (Note) | 0 | 0 |
| Low-speed rotation | 1 | 0 |
| Stopped | 0 | 1 |

Note: The default setting for 7135 is low-speed rotation.

***12 : Copy paper size priority in image area**

This setting determines how the copier handles platen copying when the original size differs from the copy paper size when the AMS setting is cleared. If this bit is set to "1" (whole-page image in platen mode only), then the copier will not erase the area outside of the original (so that area outside of the APS-detected size is also copied).

If this bit is set to "0", then the copier does erase the area outside of the original.

Note that in RADF copying, the copier will always erase the area outside of the original regardless of this setting.

Related settings are DIP SW8 – 0 (Selection of automatic erasure outside original), memory switch 4 "Non-original area erase function" of Key-operator mode. For information about memory switches, refer to the Instruction Manual.

***13 : Automatic restart after paper supplied
(Excluding the inch series)**

This setting determines how copying is restarted if the tray becomes empty while copying is in progress. Under the default setting, the user (after adding paper and setting the tray back in place) must press the START button to resume copying. If this bit is set to "1", however, copying restarts automatically when the tray is set back in place.

***14 : 8.5x11 APS (Japan, Metric), A4 APS (Inch)**

If this bit is to "1" (No), the copier will forcibly copy as A4 in Japan/Metric if it detects an original size of 8.5x11, and will forcibly copy as 8.5x11 in Inch. if it detects an original size of A4). Under the default setting, APS operates for both A4 and 8.5x11.

***15 : Settings related to nonstandard original sizes**

- SW21– 5 Copy setting of platen small size (A4/8.5 x 11 or smaller)

Selects whether to copy on the APS detected size when APS detected the original as A4 or smaller, or to ignore the APS detected size and copy on A4 (Japan, Metric) or 8.5 x 11 (Inch).

- SW21– 3 (Inch only) Copy setting of platen small size (8.5 x 11 or smaller)

Selects whether to copy on the APS detected size when APS detected the original as 8.5 x 11 or smaller, or to ignore the APS detected size and copy as nonstandard size.

When both SW21– 5 and SW 21– 3 are set to "1", the setting of 21– 5 has priority over the 21– 3.

- SW7– 3 Nonstandard-size switch for platen APS (1)

Selects whether to copy on B6 (Japan), A5 (Metric) or 5.5 x 11 (Inch) when the APS detected the original as nonstandard-size, or to copy on the APS selected nonstandard size.

When both SW7– 4 and SW7– 3 are set to "1", the setting of 7– 4 has priority over the 7– 3.

- SW7– 4 Nonstandard-size switch of platen APS (2)

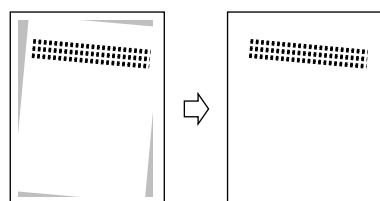
Selects whether to copy on A4 (Japan, Metric) or 8.5 x 11 (Inch) when the APS detected the original as nonstandard-size, or to copy on the APS selected nonstandard size.

***16** : DIP SW8 – 0 "Selection of automatic erasure outside original" (7020/25/30 only)

If this bit is set to "1" (Handling of slanted originals), the copier will automatically erase area outside of the original that have been placed a skew on the platen. Set using the key operator mode in the case of machines other than the 7020/25/30.

When this setting (bit) is "0" (rectangular original), the area outside the edges of the original is erased.

(Example)



BIT:0

BIT:1

***17** : Request password for 25, 36, 47 mode

If this bit is set to "1" (Yes), the copier will display a password-request screen before entering service mode. The password is "9272".

***18** : Disable of copying when PM count is reached

DIP SW12 – 3, 12 – 4, and 12 – 5 (Setting of PM count at which copying is disabled) sets the number of copies at which copying is disabled. Note that copying will be disabled only if DIP SW8 – 2 (Disable copying when PM count is reached) is set to "1".

| Mode | 12-3 | 12-4 | 12-5 |
|-------------|------|------|------|
| 1000 copies | 0 | 0 | 0 |
| 2000 copies | 1 | 0 | 0 |
| 3000 copies | 0 | 1 | 0 |
| 4000 copies | 1 | 1 | 0 |
| 5000 copies | 0 | 0 | 1 |

***19** : Priority tray when APS is released

- This setting sets the tray selection used when APS is set OFF from key-operator mode.

Priority tray when APS is released

| Mode | 8-4 | 8-5 | 8-6 |
|----------------------|-----|-----|-----|
| No priority | 0 | 0 | 0 |
| Main-body upper tray | 1 | 0 | 0 |
| Main-body lower tray | 0 | 1 | 0 |
| DB upper tray | 1 | 1 | 0 |
| DB lower tray | 0 | 0 | 1 |

***20** : Data collection (25 mode)

If this bit is set to "1" (Yes), then all 25 mode collected data 1 to 4 can be checked. If the setting is "0", then only collected data 1 is available for checking.

***21** : Copy quantity limit

| Mode | 9-0 | 9-1 | 9-2 | 9-3 |
|-----------|-----|-----|-----|-----|
| No limit | 0 | 0 | 0 | 0 |
| 1 sheet | 1 | 0 | 0 | 0 |
| 3 sheets | 0 | 1 | 0 | 0 |
| 5 sheets | 1 | 1 | 0 | 0 |
| 9 sheets | 0 | 0 | 1 | 0 |
| 10 sheets | 1 | 0 | 1 | 0 |
| 20 sheets | 0 | 1 | 1 | 0 |
| 30 sheets | 1 | 1 | 1 | 0 |
| 50 sheets | 0 | 0 | 0 | 1 |
| 99 sheets | 1 | 0 | 0 | 1 |

***22** : P81 messages (Messages displayed on machines installed in convenience stores and so on.)

| Mode | 9-6 | 9-7 |
|---------------------------|-----|-----|
| Please insert key counter | 0 | 0 |
| Please insert copy card | 1 | 0 |
| Please insert coin | 0 | 1 |

***23 : Summer time setting for WT (Weekly Timer)**

| Mode | 10-0 | 10-1 | 10-2 | 10-3 |
|-------------|------|------|------|------|
| 0 minute | 0 | 0 | 0 | 0 |
| 30 minutes | 1 | 1 | 0 | 0 |
| 60 minutes | 0 | 1 | 1 | 0 |
| 90 minutes | 1 | 0 | 0 | 1 |
| 120 minutes | 0 | 0 | 1 | 1 |
| 150 minutes | 1 | 1 | 1 | 1 |

***24 : F/E screen switchover (except for F34, F35, F36)**


If this bit is set to "1" (No), all cases except for fixing errors will simply show a message instructing a user to turn the SW2 (sub power) OFF and ON.

If set to "0", all errors will be indicated by error codes.

***25 : Threshold for automatic erasure of outside original**

Accurate detection of the outer boundary of the original may become difficult if the original is dark in density or if extraneous light (sunlight, room fluorescent light, etc.) has penetrated the copier. Setting the threshold to lower values facilitates detection for dark-density originals but increases the risk of incorrect detection due to extraneous light. Set using the key operator mode in the case of machines other than the 7020/25/30/35.

| Mode | 13-6 | 13-7 |
|---|------|------|
| Dark-density originals | 0 | 0 |
| Normal original | 1 | 0 |
| External incorrect detection prevention | 0 | 1 |
| None | 1 | 1 |

 : Initialization of machines other than the 7020/25/30/35

***26 : Operation if stapling is not possible**

Sizes other than Postcard, A5R, 5.5x8.5R, nonstandard

| Mode | 14-0 | 14-1 |
|---|------|------|
| Auto cancel | 0 | 0 |
| Auto switching to 1-position stapling | 1 | 0 |
| Inhibit | 0 | 1 |
| Forced 2-position stapling mode operation | 1 | 1 |

***27 : Operation when one position stapling is not available**

| Mode | 14-4 | 14-5 |
|---|------|------|
| Auto cancel | 0 | 0 |
| Auto cancel | 1 | 0 |
| Inhibit | 0 | 1 |
| Forced 1-position stapling mode operation | 1 | 1 |

***28 : Operation when two position stapling is not available**

| Mode | 14-6 | 14-7 |
|---|------|------|
| Auto cancel | 0 | 0 |
| Auto cancel | 1 | 0 |
| Inhibit | 0 | 1 |
| Forced 2-position stapling mode operation | 1 | 1 |

***29 : Printer paper size automatic conversion**

| Mode | 24-2 | 24-3 |
|---------------|------|------|
| No conversion | 0 | 0 |
| Inch → Metric | 1 | 0 |
| Metric → Inch | 0 | 1 |
| Metric ↔ Inch | 1 | 1 |

***30 : Fixing temperature at low power mode**

| Mode | 16-0 | 16-1 |
|-----------------------|------|------|
| 160°C (170°C) [150°C] | 0 | 0 |
| 110°C (120°C) | 1 | 0 |
| 85°C (65°C) | 0 | 1 |
| 85°C | 1 | 1 |

△ The number in () applies to the 7035/7135, and the number in [] applies to the 7122.

***31 : MPC correction control**

These switches determine whether MPC correction is carried out when sub power turns on.

MPC (maximum laser power correction) is designed to optimize copy density (mainly to prevent excess density), and is generally carried out every 20 copies.

In the copier is left off for a protracted period of time, toner may begin to lose its charge, resulting in excess density when copying restarts. To prevent this problem, the default setting causes the copier to automatically execute MPC when power turns ON (from OFF mode or from main power OFF) if the following two conditions hold: (1) the copier has been off for a prolonged period (at least 8 hours), and (2) the ambient humidity is 60% or higher.

If you set the switches to "1", "0", then the copier will execute MPC at power ON if either of the above two conditions hold. If the switches are set to "0", "1", then MPC will always be carried out at power ON.

| Mode | 16-6 | 16-7 |
|--|------|------|
| Humidity over 60% and First in the morning | 0 | 0 |
| Humidity over 60% or First in the morning | 1 | 0 |
| Always | 0 | 1 |
| No control | 1 | 1 |

***32 : F4 size setting**



| Mode | 17-0 | 17-1 | 17-2 |
|------------|------|------|------|
| 8.5 x 13 | 0 | 0 | 0 |
| 8.25 x 13 | 1 | 0 | 0 |
| 8.125 x 13 | 0 | 1 | 0 |
| 8 x 13 | 1 | 1 | 0 |
| 8.5 x 13.5 | 0 | 0 | 1 |

***33 : Unit isolation**

If a unit is malfunctioning and causing a problem, set the corresponding bit to isolate the unit from the system (software isolation). Copier operation can then continue without problem until the unit can be repaired, etc.

***34 : SW2 (sub switch) turns ON with SW1 (main switch)**
Setting this bit to "1" will increase the warm-up time.

Reason:

The CB (overall control board) houses both an engine-control CPU and a system-control CPU. Switching ON of the main power does not start the engine CPU, but does start the power supply to the system CPU. The system CPU is initialized, and then the OS is initialized, and then memory and other hardware checks are performed.

This initialization sequence takes about 6 seconds (until the fax, printer/scanner, and copy LEDs have gone ON/OFF). When this setting is "0", the engine does not start if SW2 is pressed during initialization.



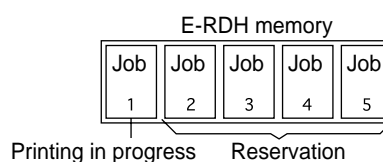
When the printer option is installed, the setting becomes "1", and cannot be changed.

***35 : Automatic feed of non-standard size originals in the platen auto start mode**

Included among the memory switch settings in the key operator mode is "Auto start auto select ON/OFF setting". When this setting is ON ("1") and the size of the original on the platen glass is detected as a non-standard size, the machine automatically starts paper feed from the bypass feed tray.

| | |
|---|--|
| 0 | Auto start does not take place. |
| 1 | Auto start takes place when the by-pass feed tray is selected. |

***36 : Process non-stop, and reserved job start timing setting**



This machine can hold up to 5 print jobs in the E-RDH memory. When this setting is "1", and a reserved job (copy reservation, printer job or FAX receiving operation) is generated during a print operation, the machine proceeds to the next job without stopping after the end of the ongoing print job.

When this setting is "0", the print operation stops after the end of the ongoing print job. However, if any of conditions 1 to 6 below exists, the print operation stops after the end of the ongoing print job, even if this setting is "1".

Conditions under which print operation stops

1. The ongoing print job (current job) and the next reserved job are of different kinds (reserved copy, fax, printer, interrupt copy).
2. The printer modes are different.
The current job is a two-sided mode job and the next reserved job is a one-sided mode job.
3. There is no FNS, and the output mode of the current job (non-sort, sort, group) differs from the output mode of the next job.
4. When an FNS is installed, the output mode, stapling position (at front, rear and both), and paper exit tray (tray 1 to tray 4) of the current job and the next reserved job are different.
5. The application functions (booklet, intersheet, memory copy, page insertion, rotation sort) of the next reserved job are selected.
6. The special original settings (mixed original, Z-fold, non-standard) of the current job and the reserved job are different.

③ *37 : Toner consumption reduction switch

With this setting, the toner consumption can be reduced by reducing the developing bias and the charging grid potential by 50V (20 steps). Alternatively, the image density can be raised slightly by raising the potential by 50V (20 steps).

| Mode | 5-5 | 5-6 |
|--|-----|-----|
| No correction | 0 | 0 |
| Increased toner consumption (image density becomes darker.) | 1 | 0 |
| Reduced toner consumption (image density becomes lighter.) | 0 | 1 |
| No correction | 1 | 1 |

*38 : Tray setting at commencement of search when APS is used

| Mode | 24-4 | 24-5 |
|-------------------------------------|------|------|
| Search from upper tray of main body | 0 | 0 |
| Search from lower tray of main body | 1 | 0 |
| Search from upper tray of DB | 0 | 1 |
| Search from lower tray of DB | 1 | 1 |

- ③ [ : Inch
 : Metric

*39 : Patch detection control threshold shift

| Mode | 26-0 | 26-1 | 26-2 |
|------|------|------|------|
| 0 | 0 | 0 | 0 |
| - 6 | 1 | 0 | 0 |
| - 4 | 0 | 1 | 0 |
| - 2 | 1 | 1 | 0 |
| 0 | 0 | 0 | 1 |
| + 2 | 1 | 0 | 1 |
| + 4 | 0 | 1 | 1 |
| + 6 | 1 | 1 | 1 |

③ *40 : Drum initial rotation in the morning

If this setting is made "1" when blurry image occurs due to paper dust when the machine is switched ON in the morning, a drum initial rotation will take place for 30 seconds, thus preventing blurry image.

| Mode | 6-0 |
|------|-----|
| No | 0 |
| Yes | 1 |

*41 : Toner density selection of developer (7020/25/30)

If gray background image is caused by the increase the toner density of developer, add correction to the L detection adjustment value to prevent gray background image. Change the setting in 1% steps, and make three solid black (A4) copies after each change.

Caution: Be sure to change the setting in 1% steps. If you change the setting in steps of 2% or more, a fault code (F26-2/3) will be displayed.

| Mode | 24-0 | 24-1 |
|--------------|------|------|
| Standard | 0 | 0 |
| 1% reduction | 1 | 0 |
| 2% reduction | 0 | 1 |
| 3% reduction | 1 | 1 |

③ *42 : Automatic copy reservation function

When this setting is '1', the copy reservation screen automatically appears after the end of the original read operation. Also, the job settings are the same as the settings for the previous job.

| Mode | 27-0 |
|------------|------|
| Do not use | 0 |
| Use | 1 |

- ⚠ *43 : Density setting when the toner save function is selected in the printer driver screen
This setting is effective only for the PCL and PS versions.

| Mode | 27-5 | 27-6 | 27-7 |
|---------------|------|------|------|
| Standard | 0 | 0 | 0 |
| - 4 (Lighter) | 1 | 0 | 0 |
| - 3 | 0 | 1 | 0 |
| - 2 | 1 | 1 | 0 |
| - 1 | 0 | 0 | 1 |
| + 1 | 1 | 0 | 1 |
| + 2 | 0 | 1 | 1 |
| + 3 (Darker) | 1 | 1 | 1 |

△ [3] PM Count Setting

This function resets the PM count and sets the PM cycle.

Care should be taken to reset the PM count properly.

PM count / cycle menu

1. PM count resetting
2. PM cycle setting

1. PM count reset

Select whether to reset the count in the PM count reset screen.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 Mode. |
| 2 | [25 mode menu screen] Press the [2. PM COUNT/CYCLE] key. |
| 3 | [PM Count/Cycle Menu Screen] Press the [1. PM count reset] key. |
| 4 | [PM Count Reset Screen] Press the [YES] key to reset the PM count. Press the [NO] or [RETURN] key, then the PM count is not reset and returns to the PM count/cycle menu screen. |

2. Entering PM count start date

When resetting the PM count, it is necessary to input the start date, and the screen below will appear automatically.

| Step | Operation procedure |
|------|--|
| 1 | [PM Count Starting Date Input Screen] Enter a PM count start date from the numeric keys. |
| 2 | Press the [SET] key to enter the data that has been entered. |
| 3 | Press the [RETURN] key to return to the PM count/cycle menu screen. |

Note: When pressing the [RETURN] key without pressing the [SET] key, the PM count start date is not changed. It is necessary to reset the count again for inputting the count.

3. Setting of PM cycle

Set PM Cycle as follows:

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [2. PM COUNT/CYCLE] key. |
| 3 | [PM Count/Cycle menu screen] Press the [2. PM CYCLE Set] key. |
| 4 | [PM Cycle set screen] Enter PM cycle from the numeric keys. Enter upper 3-digit (hundred thousand, ten thousand, thousand) only. |
| 5 | Press the [SET] key to enter a PM cycle that has been entered. |
| 6 | Press the [RETURN] key to return to the PM count/cycle menu screen. |

[4] Data Collection

This function enables viewing of the various data recorded in the machine.

Also, it is possible for the collected data to be checked by KRDS and management listing.

Data collection menu

1. Count data collection
2. Area data collection start (Date count data)

Data collection list

| Classification | Contents | Pre-peration |
|-------------------|--|---|
| Data collection 1 | Count number of copies by each size Count RADF original feed quantities | – (Note 1) |
| Data collection 2 | Count of JAM occurrence by each point | • Enter the 25 mode ↓ • Select [1. Software SW] |
| Data collection 3 | Count of copies by each mode | ↓ • Set the address to 8-7:1 (Note 2) |
| Data collection 4 | Count of SC occurrence | |

Note 1: Only data collection 1 can be checked in default.

Note 2 : For the setting method, see "[2] Setting software DIP SW" in 25 mode.

1. Procedures for checking collected data

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [3. Collecting data] key. |
| 3 | [Data collection menu screen] Press the [1. Count data] key. |
| 4 | [Data collection screen] Change the data number with the [▲] or [▼] key. |
| 5 | Pressing [NEXT] or [FRONT] key enables display of next data collection screen. (Note 3) <div style="text-align: center;"> <pre> graph TD A[Data collection 1] --> B[Data collection 2] B --> C[Data collection 3] C --> D[Data collection 4] </pre> </div> |
| 6 | Press the [RETURN] key to return to the data collection menu screen. |

- ⚠ (1) The data is displayed at the line 2 in the message display area as “Data number (No.): Count value (00000000)”.
- (2) The data number can be changed by pressing the [▲] or [▼] key.
- (3) Press and hold the [▲] or [▼] key to display the next items continuously.

Note 3 : In order to confirm collected data 2 to 4, set DIP SW 8-7 to “1” beforehand.

2. Data collection details

(1) Data collection 1

a. Copy count by each size

| Type | Size No. | Paper size for destination | | |
|-------------------------|----------|----------------------------|----------|----------------------|
| | | Japan | Metric | Inch |
| Copy count by each size | 1 | A3 | A3 | 11 x 17 |
| | 2 | B4 | B4 | 8.5 x 14 |
| | 3 | A4 + A4R | A4 + A4R | 8.5 x 11 + 8.5 x 11R |
| | 4 | B5 + B5R | B5 + B5R | 5.5 x 8.5 |
| | 5 | A5 | A5 | - |
| | 6 | B6 | F4 | - |
| | 7 | 8.5 x 14 | - | - |
| | 8 | 8.5 x 11 + 8.5 x 11R | - | A4 + A4R |
| | 9 | Metric | Metric | Inch |
| | | Special | Special | Special |
| 10 | Postcard | - | - | |

Maximum count number : 99,999,999

b. Count RADF original feed quantities

| Type | Size No. | Feed mode |
|-------------------------------------|----------|--|
| Count RADF original feed quantities | 16 | ADF mode original feed counter |
| | 17 | RADF mode original feed counter |
| | 18 | ADF mixed original mode original feed counter |
| | 19 | RADF mixed original mode original feed counter |

Maximum count number : 99,999,999

(2) Data collection 2

Jam occurrence count by factor

| No. | Jam | Point |
|-----|-------|----------------------------|
| 1 | 10-0 | By-pass |
| 2 | 11-0 | Upper tray (main body) |
| 3 | 12-0 | Lower tray (main body) |
| 4 | 13-0 | DB upper tray |
| 5 | 14-0 | DB lower tray |
| 6 | 16-0 | Paper feed jam |
| 7 | - | - |
| 8 | - | - |
| 9 | - | - |
| 10 | 30-0 | Conveyance jam |
| 11 | 31-0 | Conveyance jam |
| 12 | - | - |
| 13 | - | - |
| 14 | 32-0 | Fixing unit conveyance jam |
| 15 | 32-2 | Fixing unit conveyance jam |
| 16 | 33-0 | Fixing unit conveyance jam |
| 17 | 75-10 | IT-101 |
| 18 | 75-11 | IT-101 |
| 19 | - | - |
| 20 | 97-1 | ADU conveyance jam |
| 21 | 97-2 | ADU conveyance jam |
| 22 | 92-0 | ADU conveyance jam |
| 23 | 75-12 | IT-101 |
| 24 | 75-13 | IT-101 |
| 25 | 61-0 | DF-314 |
| 26 | 61-1 | DF-314 |
| 27 | 62-0 | DF-314 |
| 28 | 62-1 | DF-314 |
| 29 | 62-2 | DF-314 |
| 30 | 62-3 | DF-314 |
| 31 | 62-4 | DF-314 |
| 32 | 62-5 | DF-314 |
| 33 | 63-0 | DF-314 |
| 34 | 63-1 | DF-314 |
| 35 | 63-2 | DF-314 |
| 36 | 63-3 | DF-314 |
| 37 | 63-4 | DF-314 |

| No. | Jam | Classification |
|-----|-------|----------------|
| 38 | 63-5 | DF-314 |
| 39 | 63-6 | DF-314 |
| 40 | 63-7 | DF-314 |
| 41 | - | - |
| 42 | - | - |
| 43 | 72-16 | FS-107 |
| 44 | 72-17 | FS-107 |
| 45 | 72-19 | FS-107 |
| 46 | 72-21 | FS-107 |
| 47 | 72-23 | FS-107 |
| 48 | 72-81 | FS-107 |
| 49 | - | - |
| 50 | - | - |

Maximum count number : 999,999

(3) Data collection 3

Copy count by each mode

| No. | Contents |
|-----|--|
| 1 | Platen single side → single side |
| 2 | - |
| 3 | RADF double side → single side |
| 4 | RADF double side → double side |
| 5 | RADF single side → single side |
| 6 | RADF single side → double side |
| 7 | Finisher (Staple mode) |
| 8 | Finisher (Sort mode) |
| 9 | Finisher (Group mode) |
| 10 | Finisher (No. of stapling) |
| 11 | Life size |
| 12 | Fixed ratio (E3: 1.41/2.00) |
| 13 | Fixed ratio (E2: 1.22/1.55) |
| 14 | Fixed ratio (E1: 1.15/1.29) |
| 15 | Fixed ratio (R1: 0.86/0.77) |
| 16 | Fixed ratio (R2: 0.82/0.65) |
| 17 | Fixed ratio (R3: 0.71/0.50) |
| 18 | Arbitrary magnification |
| 19 | Zoom |
| 20 | Maximum zoom |
| 21 | Minimum zoom |
| 22 | AMS mode |
| 23 | APS mode |
| 24 | AE mode |
| 25 | Interrupt mode |
| 26 | By-pass feed mode |
| 27 | Book copy mode |
| 28 | Frame erase mode |
| 29 | Fold erase mode |
| 30 | Image shift mode |
| 31 | Reduction image shift mode |
| 32 | - |
| 33 | - |
| 34 | No. of paper feed quantities at intersheet mode |
| 35 | - |
| 36 | Number of feed in the OHP mode (blank paper interleave) |
| 37 | No. of paper feed quantities at mixed original mode |
| 38 | Access number of the JOB memory call mode (Number of pressing the * button) |

| No. | Contents |
|-----|--|
| 39 | Number of times the auto low power mode is used |
| 40 | Copy quantity is set to 1. |
| 41 | Copy quantity is set between 2 and 5. |
| 42 | Copy quantity is set between 6 and 10. |
| 43 | Copy quantity is set to 11 or above. |
| 44 | Intersheet |
| 45 | - |
| 46 | Photo mode |
| 47 | - |
| 48 | Verti./Horiz. zoom mode |
| 49 | Memory copy mode |
| 50 | Confirmation copy mode |
| 51 | Text/Photo mode |
| 52 | Text mode |
| 53 | Arbitrary density mode |
| 54 | Number of feed in the OHP mode (copy interleave) |
| 55 | - |
| 56 | - |
| 57 | Page insertion mode |
| 58 | Chapter division mode |
| 59 | 2 in 1, 4 in 1, 8 in 1 mode |
| 60 | Repeat mode |
| 61 | B/W reverse mode |
| 62 | Non-image area erase mode |
| 63 | Increase contrast mode |
| 64 | Original auto layout copy |
| 65 | - |
| 66 | Number of copies in rotation |
| 67 | Copy quantity of paper feed from tray 1 |
| 68 | Copy quantity of paper feed from tray 2 |
| 69 | Copy quantity of paper feed from tray 3 |
| 70 | Copy quantity of paper feed from tray 4 |
| 71 | - |
| 72 | - |
| 73 | Finisher, Number of stapling (front) |
| 74 | Finisher, Number of stapling (rear) |
| 75 | Booklet mode copying count |
| 76 | OHP mode (without doubled sheet) copying count |
| 77 | Z-fold mode copying count |
| 78 | Copy quantity in the non-standard size mode |
| 79 | Stamping mode copying count |
| 80 | Image head correction mode copying count |

△

Maximum count : 99,999,999

(4) Data collection 4

Count number of SC occurrence (F Code)

| No. | Error code (decimal number) | | Classification |
|-----|-----------------------------|----------|---------------------------------|
| | Main code | Sub code | |
| 1 | 10-1 | | Communication error |
| 2 | 10-2 | | |
| 3 | 10-9 | | |
| 4 | 18-1 | | Paper feed error |
| 5 | 18-2 | | |
| 6 | 18-3 | | |
| 7 | 18-4 | | |
| 8 | 26-1 | | L detection error |
| 9 | 28-1 | | High-voltage power source error |
| 10 | 28-2 | | |
| 11 | 28-3 | | |
| 12 | 34-1 | | Fixing high-temperature error |
| 13 | 34-2 | | |
| 14 | 35-1 | | Fixing low-temperature error |
| 15 | 35-2 | | |
| 16 | 35-3 | | |
| 17 | 35-4 | | |
| 18 | 35-5 | | |
| 19 | 35-6 | | |
| 20 | 35-7 | | |
| 21 | 35-8 | | |
| 22 | 35-9 | | |
| 23 | 35-10 | | |
| 24 | 36-1 | | Broken fixing sensor |
| 25 | 36-2 | | |
| 26 | 36-3 | | |
| 27 | - | | - |
| 28 | 40-1 | | Scanning system error |
| 29 | 40-9 | | |
| 30 | 41-1 | | |
| 31 | 46-1 | | Image processing system error |
| 32 | 46-8 | | |
| 33 | 46-10 | | |
| 34 | 46-11 | | |
| 35 | 49-2 | | |
| 36 | 49-4 | | |
| 37 | 49-6 | | |
| 38 | 51-4 | | Motor speed error |
| 39 | 51-5 | | |
| 40 | 51-6 | | |
| 41 | 52-1 | | Fan lock error |
| 42 | 52-2 | | |

| No. | Error code (decimal number) | | Classification | |
|-----|-----------------------------|----------|---|------------------------|
| | Main code | Sub code | | |
| 43 | 56-1 | | Image control communication error | |
| 44 | 56-2 | | | |
| 45 | 56-3 | | | |
| 46 | 56-4 | | | |
| 47 | 56-5 | | | |
| 48 | 56-6 | | Operation control section system error | |
| 49 | 56-7 | | | |
| 50 | 56-8 | | | |
| 51 | 56-9 | | | |
| 52 | 56-10 | | | |
| 53 | 56-11 | | Main body identification error | |
| 54 | 60-1 | | RADF error | |
| 55 | 60-9 | | | |
| 56 | 60-11 | | | |
| 57 | 67-3 | | Finisher error | |
| 58 | 70-1 | | | |
| 59 | 70-9 | | | |
| 60 | 70-11 | | | |
| 61 | 77-2 | | | |
| 62 | 77-3 | | | |
| 63 | 77-5 | | | |
| 64 | 77-6 | | | |
| 65 | 77-11 | | | |
| 66 | 77-16 | | | |
| 67 | 80-1 | | Non-volatile memory error | |
| 68 | 80-2 | | | |
| 69 | 80-3 | | | |
| 70 | 80-4 | | | |
| 71 | 80-5 | | | |
| 72 | 81-1 | | Flash ROM error | |
| 73 | 81-2 | | | |
| 74 | 81-3 | | | |
| 75 | 88-1 | | Image processing system error | |
| 76 | 89-1 | | Overall control board communication error | |
| 77 | 89-2 | | | |
| 78 | 89-3 | | | |
| 79 | 89-4 | | | |
| 80 | 89-5 | | | |
| 81 | 89-6 | | | |
| 82 | 87-1 | | | Print controller error |
| 83 | 52-5 | | | Fan lock error |
| 84 | 86-02 | | | Fax board error |
| 85 | 86-03 | | | |
| 86 | 86-04 | | | |

| No. | Error code (decimal number) | | Classification |
|-----|-----------------------------|----------|---|
| | Main code | Sub code | |
| 87 | 86-06 | | Fax error (Overall control board side) |
| 88 | 86-88 | | |
| 89 | 86-89 | | |
| 90 | - | | |
| 91 | 86-91 | | |
| 92 | 86-10 | | Fax error (Fax board side) |
| 93 | 86-20 | | |
| 94 | 22-1 | | Machine internal temperature |
| 95 | 23-1 | | Drum periphery |
| 96 | 26-2 | | L detection error |
| 97 | 26-3 | | |
| 98 | 28-4 | | High voltage power source error |
| 99 | 43-1 | | Scanning system error |
| 100 | 52-3 | | Fan lock error |
| 101 | 36-4 | | Broken fixing sensor |
| 102 | 52-6 | | Print controller error |
| 103 | 87-2 | | |
| 104 | 87-3 | | |
| 105 | 77-18 | | Finisher error |
| 106 | 52-4 | | Fan lock error (Other than 7020/25/30) |
| 107 | 86-7 | | Fax error (Fax board side) (Other than 7020/25/30) |
| 108 | 86-8 | | |

Maximum count : 9,999

3. Starting periodic date collection

Reset the periodic data from the setting periodic collection start date. Make a date that this operation is performed as a new periodic collection start date.

The periodic data can be checked with the KRDS and management list.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [3. Collecting data] key. |
| 3 | [Data collection menu screen] Press the [2. Date count data] key. |
| 4 | [Starting periodic data collection screen] Press the [YES] key to start the periodic data collection. Press the [NO] or [RETURN] key, then data collection start date is not reset and returns to the data collection menu screen. |

[5] Copy Count for Each Part to be Replaced

Perform the copy count display, count clear, limit value setting and arbitrarily parts to be replaced setting to the data of the parts to be replaced (fixed/arbitrarily).

Each count value can be check with the management list of 36 Mode and the KRDS.

Parts counter menu

1. Copy Count for each fixed replacement part
2. Copy Count for each arbitrarily replacement part

1. Copy count display and count reset by parts to be replaced (fixed)

Set the parts name of the fixed parts to be replaced (fixed), parts No. and copy count display, and count reset.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [4. Parts counter] key. |
| 3 | [Parts counter menu screen] Press the [1. Count of parts (Fixed)] key. |
| 4 | [Copy count screen by parts to be replaced (fixed)] Press [▲], [▼] keys to select the data. |
| 5 | Press the [Count reset] key. |
| 6 | [Count reset screen by parts to be replaced (fixed)] Press the [YES] key to clear the copy count. Press the [NO] or [RETURN] key, then the copy count is not reset and returns to the copy count screen by parts to be replaced. |

3 List of parts to be replaced (fixed)

| 7020/25/30 | Other than 7020/25/30 | Unit | Parts name |
|------------|-----------------------|-----------------------------------|--|
| 1 | 1 | Drum unit | Drum |
| 2 | 2 | (including charging corona unit) | Cleaning blade assembly |
| 3 | 3 | | Drum unit |
| 4 | 4 | Transfer separation corona unit | Transfer separation corona unit |
| 5 | 5 | Developing unit | Developer |
| 6 | 6 | | Developing unit |
| 7 | 7 | Main body | Ozone filter |
| - | 8 | | Suction filter/A |
| - | 9 | | Filter cover assembly |
| 8 | 10 | Main body paper | Feed rubber |
| 9 | 11 | feed unit (Tray1) | Double feed prevention rubber/Upper |
| 10 | 12 | | Double feed prevention rubber/Lower |
| 11 | 13 | Main body paper | Feed rubber |
| 12 | 14 | feed unit (Tray2) | Double feed prevention rubber/Upper |
| 13 | 15 | | Double feed prevention rubber/Lower |
| 14 | 16 | DB paper feed unit (Tray3 ro LCT) | DB feed rubber |
| 15 | 17 | | DB double feed prevention rubber/Upper |
| 16 | 18 | | DB double feed prevention rubber/Lower |
| 17 | 19 | DB paper feed unit (Tray4) | DB feed rubber |
| 18 | 20 | | DB double feed prevention rubber/Upper |
| 19 | 21 | | DB double feed prevention rubber/Lower |
| 20 | 22 | By-pass feed unit | By-pass feed reverse roller |
| 21 | 23 | | By-pass feed pick up roller |
| 22 | 24 | | By-pass feed conveyance roller |
| 23 | 25 | Fixing unit | Fixing heat roller |
| 24 | 26 | | Fixing pressure roller |
| 25 | 27 | | Fixing web |
| 26 | 28 | | Heat insulating sleeve/A |
| 27 | 29 | | Heat insulating sleeve/B |
| 28 | 30 | | Fixing cleaning roller |
| 29 | 31 | | Cleaner assembly |
| 30 | 32 | | Fixing claw |
| 31 | 33 | | Fixing roller holder/Upper |
| 32 | 34 | | Fixing roller holder/Lower |
| 33 | 35 | | Fixing sensor |
| 34 | 36 | | Fuse mounting plate assembly |
| 35 | 37 | | Fixing heater lamp/1 |
| 36 | 38 | | Fixing heater lamp/2 |
| 37 | 39 | DF-314 | Paper feed roller/A |
| 38 | 40 | | Double feed prevention roller/A assembly |
| 39 | 41 | FS-107 | Paper exit roller/A |

2. Copy count display and count reset by parts to be replaced (Named; arbitrarily)

Set the limit value for the parts to be replaced, parts No., parts name setting, copy count display and count reset.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 Mode. |
| 2 | [25 mode menu screen] Press the [4. Parts counter] key. |
| 3 | [Parts counter menu screen] Press the [2. Count of parts (Named)] key. |
| 4 | [Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] key to select the data to be set or changed. |
| 5 | The following items can be set below: [COUNT RESET] : To clear the copy count. [LIMIT SET] : To enter the limit value (6-digit). [P/N SET] : To enter the parts number (9-digit). [Parts name] : To enter the parts name. |
| 6 | Press the [RETURN] key, then return to copy count screen by parts to be replaced. |

List of parts to be replaced (arbitrarily)

| No. | Count timing |
|-----|--|
| 1 | When copy count (at the paper exit is completed) |
| 2 | When copy count (at the paper exit is completed) |
| 3 | When copy count (at the paper exit is completed) |
| 4 | When copy count (at the paper exit is completed) |
| 5 | When copy count (at the paper exit is completed) |
| 6 | When copy count (at the paper exit is completed) |
| 7 | When copy count (at the paper exit is completed) |
| 8 | When copy count (at the paper exit is completed) |
| 9 | When copy count (at the paper exit is completed) |
| 10 | When copy count (at the paper exit is completed) |
| 11 | When copy count (at the paper exit is completed) |
| 12 | When copy count (at the paper exit is completed) |
| 13 | When copy count (at the paper exit is completed) |
| 14 | When copy count (at the paper exit is completed) |
| 15 | When copy count (at the paper exit is completed) |
| 16 | When copy count (at the paper exit is completed) |
| 17 | When copy count (at the paper exit is completed) |
| 18 | When copy count (at the paper exit is completed) |
| 19 | When copy count (at the paper exit is completed) |
| 20 | When copy count (at the paper exit is completed) |
| 21 | When paper is fed from by-pass tray |
| 22 | When paper is fed from tray 1 |
| 23 | When paper is fed from tray 2 |
| 24 | When paper is fed from tray 3 |
| 25 | When paper is fed from tray 4 |
| 26 | When paper is fed from ADU |
| 27 | When paper is exited from main body |
| 28 | When original is fed into RADF |
| 29 | When original is fed into RADF |
| 30 | When original is fed into RADF |

(1) Count resetting method

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [4. Parts counter] key. |
| 3 | [Parts counter menu screen] Press the [2. Count of parts (Named)] key. |
| 4 | [Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] to select the data. |
| 5 | Press the [COUNT RESET] key. |
| 6 | [Count reset screen by parts to be replaced (named)] Press the [YES] key to clear the copy count that has been selected. Press the [NO] or [RETURN] key, then the copy count is not reset and returns to the copy count screen by parts to be replaced (named). |

(2) Count limit setting method

Enter the new limit value from the numeric keys on the screen.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [4. Parts counter] key. |
| 3 | [Parts counter menu screen] Press the [2. Count of parts (Named)] key. |
| 4 | [Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] to select the data to be set or changed. |
| 5 | Press the [LIMIT SET] key. |
| 6 | [Copy count limit setting screen by parts to be replaced (named)] Enter new value using the numeric keys. |
| 7 | Press the [SET] key to enter the limit value that has been entered. |
| 8 | Press the [RETURN] key to return to the copy count screen by parts to be replaced (named). |

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete without changing a new limit value and returns to the copy count screen by parts to be replaced (Named).

Reference: The right side of the limit value will be marked "*" if the copy count exceeds its limit value.

(3) Parts No. setting

- △ Enter the new parts No. (9-digit) from the numeric keys and alphabet keys on the screen.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [4. Parts counter] key. |
| 3 | [Parts counter menu screen] Press the [2. Count of parts (Named)] key. |
| 4 | [Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] to select the data to be set or changed. |
| 5 | Press the [P/N SET] key. |
| 6 | [Part No. setting screen by parts to be replaced (named)] Enter new parts No. using the numeric and alphabet keys. |
| 7 | Press the [SET] key to enter the parts No. that has been entered. |
| 8 | Press the [RETURN] key to return to the copy count screen by parts to be replaced (Named). |

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete without changing a new parts No. and returns to the copy count screen by parts to be replaced (Named).

(4) Parts name setting

Enter the new parts name from the keys on the screen.

There are three screen in the input screen and are changed with the [▼] or [▲] key:

- Alphabet (a capital letter), numeric number
- Alphabet (a small letter), numeric number
- Symbol, numeric number

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [4. Parts counter] key. |
| 3 | [Parts counter menu screen] Press the [2. Count of parts (Named)] key. |
| 4 | [Copy count screen by parts to be replaced (named)] Press the [▲] or [▼] to select the data to be set or changed. |
| 5 | Press the [P/N SET] key. |
| 6 | [Parts name setting screen by parts to be replaced (named)] Enter new parts name using the keys on the screen. |
| 7 | Press the [OK] key to enter the parts name that has been entered and return to the copy count screen by parts to be replaced (Named). |

Note: When pressing the [CANCEL] key without pressing the [OK] key, the setting is completed without setting a parts name and returns to the copy count screen by parts to be replaced (Named).

[6] Password Setting

This function sets the password to enter each mode.

In the 25 mode menu screen, select the [5. Password setting], then the password setting menu screen will appear.

Select the password to be adjusted/entered in this screen.

Password setting menu

1. Key operator password set
2. E.K.C. master key code set
3. Weekly timer master key set

1. Setting key operator password


This function sets the password to enter the key operator mode.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [5. Password setting] key. |
| 3 | [Password setting menu screen] Press the [1. Key operator password set] key. |
| 4 | [Key Operator Password Setting Screen] Enter 4-digit new password from the numeric keys. |
| 5 | Press the [SET] key to set the password that has been entered. |
| 6 | Press the [RETURN] key to return to the password setting menu screen. |

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete. However the new password will not be entered and the password setting menu screen will return.

Reference: When setting a password to "0000", the key operator mode can be used without a password.

2. Setting of EKC master key code

 Set the EKC master key code when entering the EKC setting mode of the key operator mode.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [5. Password setting] key. |
| 3 | [Password setting menu screen] Press the [2. E.K.C. master key code set] key. |
| 4 | [EKC master key code setting screen] Enter 8-digit new EKC master key code using the numeric keys. |
| 5 | Press the [SET] key to enter the EKC master key code that has been entered. |
| 6 | Press the [RETURN] key to return to the password setting menu screen. |

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete without changing a new EKC master key code and returns to the password setting menu screen.

Reference: When "00000000" is set as the password, the EKC setting menu screen will be displayed instead of the password entry screen.

3. Setting the weekly timer master key

This function sets the weekly timer master key required for entering the various weekly timer set mode.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [5. Password setting] key. |
| 3 | [Password setting menu screen] Press the [3. Weekly timer master key set] key. |
| 4 | [Weekly timer master key setting screen] Enter 4-digit new weekly timer master key using the numeric keys. |
| 5 | Press the [SET] key to enter the weekly timer master key that has been entered. |
| 6 | Press the [RETURN] key to return to the password setting menu screen. |

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete without changing a new weekly timer master key and returns to the password setting screen.

Reference: When setting the master key to "0000", the weekly timer mode can be used without a password.

[7] Setting Phone Number of the Service Center

This function displays the telephone and fax numbers of the service center which is indicated on the screen if a service call is required.

This function is not related to KRDS functions. It is designed only for indicating the data on the screen.

1. Setting phone and fax number of the service center

Select [6. Service TEL No.] in the 25 mode screen.

Service center number setting screen will appear.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [6. Service TEL No.] key. |
| 3 | [Service center number setting screen] Press the [TEL] key to set the phone number and the [FAX] key to set the [FAX] number, and input the number (Max. 21 digits) using the numeric keys on the screen. |
| 4 | When input has been mistaken, rewrite it after moving the cursor with [<<] or [>>] key, or delete all with the Stop/clear button to input again. |
| 5 | Press the [SET] key to enter the number that has been entered. |
| 6 | Press the [RETURN] key to return to the 25 mode menu screen. |

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete. However the new phone number will not be entered and the 25 mode menu screen will return.

[8] Setting the Serial Number

This function is used to display, set and change the serial number of the main body and optional units.

The serial numbers can be read from KRDS.

1. Serial number display procedure

Select [7. Serial number] in the 25 mode screen. The serial number setting screen will appear.

The item name and serial number are displayed on the serial number setting menu screen. Each serial number is displayed at the right side of each unit.

You can set the destination (for FAX) of the machine by pressing the [Destination setting] key.

Press the [RETURN] key to end setting and return to the 25 mode menu screen.

2. Setting and changing serial number

On the serial number setting screen, select the desired item, then each serial number setting screen will appear.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [7. Serial number] key. |
| 3 | [Serial number setting menu screen] Press the key corresponding to the desired item on the screen. |
| 4 | [Serial number setting screen] Enter the 9-digit serial number from the alphabet and numeric keys on the screen and then press the [SET] key to enter the number that has been entered. |
| 5 | Press the [RETURN] key to return to the serial number setting menu screen. |
| 6 | When changing the serial number of other item, repeat steps 3 to 5. |
| 7 | Press the [RETURN] key to return to the 25 mode menu screen. |

Note: When pressing the [RETURN] key without pressing the [SET] key, the setting is complete. However the new serial number will not be entered and the serial number setting menu screen will return.

3. Changing the destination setting (for FAX option)

To change the destination setting, press the "Destination" key on the serial-number setup menu. The procedure is as follows.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [7. Serial No.] key. |
| 3 | [Serial number setting screen] Press the [Destination] key. |
| 4 | [Destination setting screen] Use the [▲] or [▼] key to select the destination. |
| 5 | Press the [OK] key to register the setting and to return to the serial number setting screen. |
| 6 | Press the [RETURN] key to return to the 25 mode menu screen. |

Note: If you press [CANCEL] key, the copier will retain the previous destination setting and return you to the serial number setting screen.

<Destination codes>

| Code | Destination | Code | Destination |
|------|--------------|------|---------------|
| JP | Japan | IE | Ireland |
| CA | Canada | FI | Finland |
| US | U.S.A | SE | Sweden |
| KR | Korea | NO | Norway |
| SG | Singapore | AT | Austria |
| MY | Malaysia | BE | Belgium |
| CN | China | NL | Netherlands |
| SA | Saudi Arabia | CH | Switzerland |
| TW | Taiwan | FR | France |
| ZA | South Africa | GB | Great Britain |
| PL | Poland | DE | German |
| PT | Portugal | EU | Europe |
| ES | Spain | NZ | New Zealand |
| IT | Italy | AU | Australia |
| DK | Denmark | | |

[9] Displaying the ROM Version

Display ROM version mounted to the machine.

1. ROM version viewing method

In the 25 mode menu screen, select [8. ROM version], then the ROM version display screen will appear.

The item name and ROM version are displayed on the ROM version display screen. Each serial number is displayed at the right side of each item.

When there is no option not installed, the applicable position is a blank.

ROM version display

1. System control
2. Image control
3. Panel control
4. Optical control
5. RADF
6. Finisher

When the optional fax and printer are installed, their ROM versions will also be displayed.

Press the [RETURN] key to end this screen and return to the 25 mode screen.

[10] KRDS Setting

Refer to the chapter "KRDS."

[11] ISW Setting

Refer to the chapter "ISW."

[12] Root Counter Display

The root counter (total counter can be checked in 25 mode on the root counter display.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [11. Root counter]. |
| 3 | [Root counter display screen] Values of the root counter (total counter) are displayed. |
| 4 | Press the [RETURN] key to return to the 25 mode screen. |

[13] Setting Date

Set the total count start day.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [12.Setting date] key. |
| 3 | [Setting date screen] Using the numeric keys, enter the year, month and day in that sequence |
| 4 | Press the [OK] key to return to the 25 mode screen. |

Note: Ends when the [Cancel] key is pressed without amending the entered date, and returns to the 25 mode menu screen.

[14] Counter Clear

(Other than 7020/25/30/35)

The counter must be cleared whenever the drum or fixing parts/unit is replaced.

Select the [13. Counter Clear] from the 25 mode menu screen to display the counter clear screen.

Following menu options are available from this screen.

1. Drum unit related counter (Drum counter).
2. Fixing counter (fixing web counter).

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [13. Counter clear] key. |
| 3 | [Counter clear screen] Press the key corresponding to the item to be cleared. |
| 4 | Message in the message display area will confirm if you really want to clear the item. Press the [YES] key. When the item is cleared, the counter clear screen will be restored. |
| 5 | When clearing another counter, repeat above steps 3 and 4. |
| 6 | Press the [RETURN] key to return to the 36 mode menu screen. |

The operation here is the same as [13, Counter clear] of the 36 mode menu screen.

36 MODE

List of adjustment items for 36 mode

| No. | Menu | No. | Sub menu | Circular menu | Summary of operation | | |
|-----|-------------------------|--|--|--|---|--|--|
| 1 | High voltage adjustment | — | None | Charging voltage adjustment | Adjustment in the field is inhibited. | | |
| | | | | Transfer current adjustment | | | |
| | | | | Separation (AC) voltage adjustment | | | |
| | | | | Separation (DC) current adjustment | | | |
| | | | | Charging grid voltage adjustment | | | |
| | | | | Developing bias adjustment | | | |
| | | | | L detection adjustment | Performs L detection adjustment for the developer, and registers the result in the nonvolatile memory. Display the L detection adjustment value as the result when it is completed. Reset the developing counter. | | |
| | Automatic toner supply | Adjustment in the field is inhibited. | | | | | |
| 2 | Timing adjustment | 1 | Vertical/Horizontal magnification adjustment | Printer vertical magnification (drum clock) adjustment | ⚠The method of adjusting the 7020/25/30 differs from that of the 7022/7130/7035/7135. | | |
| | | | | Printer 2 vertical magnification (drum clock) adjustment (Other than 7020/25/30) | After adjustment, print the SGU pattern (No.16). | | |
| | | | | Platen vertical magnification (drum clock) adjustment | After making an adjustment, make a copy. | | |
| | | | | Platen horizontal magnification adjustment | | | |
| | | | | RADF (50% single side) vertical magnification (drum clock) adjustment | The same as 36 mode 9 RADF Adjustment. | | |
| | | | | RADF (100% single side) vertical magnification (drum clock) adjustment | | | |
| | | | | RADF (200% single side) vertical magnification (drum clock) adjustment | | | |
| | | | | RADF (400% single side) vertical magnification (drum clock) adjustment | | | |
| | | | | RADF (50% double side) vertical magnification (drum clock) adjustment | | | |
| | | | | RADF (100% double side) vertical magnification (drum clock) adjustment | | | |
| | | | | RADF (200% double side) vertical magnification (drum clock) adjustment | | | |
| | | | | RADF (400% double side) vertical magnification (drum clock) adjustment | | | |
| | | | | 2 | Restart timing adjustment | | |
| | | Restart timing adjustment (Main body upper tray) | | | | | |
| | | Restart timing adjustment (Main body lower tray) | | | | | |
| | | Restart timing adjustment (DB upper tray) | | | | | |
| | | Restart timing adjustment (DB lower tray) | | | | | |
| | | Restart timing adjustment (By-pass) | | | | | |
| | | Restart timing adjustment (ADU) | | | | | |

| No. | Menu | No. | Sub menu | Circular menu | Summary of operation | | |
|---|-------------------|-----|--|--|--|--|---|
| 2 | Timing adjustment | 2 | Restart timing adjustment | Restart timing adjustment (RADF single side) | The same as 36 mode 9 RADF Adjustment. | | |
| | | | | Restart timing adjustment (RADF double side (first side)) | | | |
| | | | | Restart timing adjustment (RADF double side (second side)) | | | |
| | | 3 | Paper feed loop adjustment | 3 | Paper feed loop adjustment | Paper feed loop amount adjustment (All) | After making an adjustment, print the SGU pattern (No.16). |
| | | | | | | Paper feed loop amount adjustment (Main body upper tray) | |
| | | | | | | Paper feed loop amount adjustment (Main body lower tray, small size) | |
| | | | | | | Paper feed loop amount adjustment (Main body lower tray, large size) | |
| | | | | | | Paper feed loop amount adjustment (DB upper tray, small size) | |
| | | | | | | Paper feed loop amount adjustment (DB upper tray, large size) | |
| | | | | | | Paper feed loop amount adjustment (DB lower tray, small size) | |
| | | | | | | Paper feed loop amount adjustment (DB lower tray, large size) | |
| | | | | | | ¹ Paper feed loop amount adjustment (By-pass, ordinary paper) | |
| | | | | | | Paper feed loop amount adjustment (By-pass, thick paper) | |
| | | | | | | Paper feed loop amount adjustment (By-pass, post card) | |
| | | | | | | Paper feed loop amount adjustment (ADU) | |
| | | | | | | Paper feed loop amount adjustment (RADF single side) | |
| | | 4 | Leading edge original erasure adjustment | 4 | Leading edge original erasure adjustment | None | After making an adjustment, make a copy. |
| | | 5 | Centering adjustment | 5 | Centering adjustment | Centering adjustment (All) | After making an adjustment , print the SGU pattern (No.16). |
| | | | | | | Centering adjustment (Main body upper tray, common) | |
| | | | | | | Centering adjustment (Main body upper tray, small size) | |
| | | | | | | Centering adjustment (Main body upper tray, large size) | |
| | | | | | | Centering adjustment (Main body lower tray, common) | |
| | | | | | | Centering adjustment (Main body lower tray, small size) | |
| Centering adjustment (Main body lower tray, large size) | | | | | | | |
| Centering adjustment (DB upper tray, common) | | | | | | | |
| Centering adjustment (DB upper tray, small size) | | | | | | | |
| Centering adjustment (DB upper tray, large size) | | | | | | | |
| Centering adjustment (DB lower tray, common) | | | | | | | |
| Centering adjustment (DB lower tray, small size) | | | | | | | |
| Centering adjustment (DB lower tray, large size) | | | | | | | |

| No. | Menu | No. | Sub menu | Circular menu | Summary of operation | |
|--|-------------------------|---|--|---|---|---|
| 2 | Timing adjustment | 5 | Centering adjustment  | Centering adjustment (ADU, common) | Print the SGU patters (No.16) after making an adjustment. | |
| | | | | Centering adjustment (ADU, small size) | | |
| | | | | Centering adjustment (ADU, large size) | | |
| | | | | Centering adjustment (By-pass, common) | | |
| | | | | Centering adjustment (By-pass, small size) | | |
| | | | | Centering adjustment (By-pass, large size) | | |
| | | | | Centering adjustment (Platen) | | After making an adjustment, make a copy. |
| | | | | Centering adjustment (RADF single side) | | The same as 36 mode 9 RADF Adjustment. |
| | | | | Centering adjustment (RADF double side (first side)) | | |
| | | | | Centering adjustment (RADF double side (second side)) | | |
| | | 6 | Image read point adjustment | Platen adjustment | After making an adjustment, make a copy. | |
| | | 7 | Restoring standard data | Vertical/Horizontal magnification adjustment | Reset the adjustment data in the same condition as they were when the machine left the factory. | |
| | | | | Restart timing adjustment | | |
| Paper feed loop amount adjustment | | | | | | |
| Leading edge original erasure adjustment | | | | | | |
| Centering adjustment | | | | | | |
| | | Image read point adjustment | | | | |
| 3 | Running mode | 1 | Intermittent copy mode | None | After making a selection, carry out operation. | |
| | | 2 | No paper intermittent copy mode | | | |
| | | 3 | No paper mode | | | |
| | | 4 | No paper endless mode | | | |
| | | 5 | Running mode | | | |
| 4 | Test pattern print | — | None | None | Print the SGU pattern according to the specification No. | |
| 5 | Density adjustment | — | Test pattern density adjustment | None | After making an adjustment, print the specified SGU pattern. | |
| 6 | Copy quality adjustment | 1 | RADF scanner density adjustment | None | Make a density adjustment by letting the machine read white chart. | |
| | |  | 2 | Non-original erasure installation survey | None | Check with RADF opened completely. (Other than 7020/25/30) |

| No. | Menu | No. | Sub menu | Circular menu | Summary of operation | | |
|--|---------------------------------|---|--|--|---|------|--|
| 7 3 | List print (Note 1) | 1 | Test pattern | None | Grid pattern with 2 dots in width of line and 500 dots at intervals of lines. | | |
| | | 2 | Font pattern | None | Built-in font pattern (Those for Japan include kanji characters.) | | |
| | | 3 | Memory dump list | None | Print dump of data stored from the specified address in Hex and ASCII formats. | | |
| | | 4 | Machine management list | None | Print the condition of the machine, counter data information, and jam history. | | |
| | | 5 | Adjustment list | None | Print only 25/36 mode adjustment value from the machine management list. | | |
| | | 3 | 6 | 7 | Log list (1) | None | Print dump of data stored from the specified address in Hex and ASCII formats. |
| | | | 7 | 8 | Log list (2) | | |
| | | 8 | Analysing list | None | Outputs the necessary list prints all together if trouble occurs in the field. (Other than 7020/25/30/35) | | |
| 8 3 | Counter clear (Note 2) | 1 | Drum unit related counter | None | Clears the drum counter and the drum drive counter. | | |
| | | 2 | Fixing unit related counter | None | Clear fixing web counter | | |
| 9 | RADF adjustment | 1 | Vertica/Horizontal magnification adjustment | Vertical magnification adjustment of RADF (50% single side) | After making an adjustment, make a copy. | | |
| | | | | Vertical magnification adjustment of RADF (100% single side) | | | |
| | | | | Vertical magnification adjustment of RADF (200% single side) | | | |
| | | | | Vertical magnification adjustment of RADF (400% single side) | | | |
| | | | | Vertical magnification adjustment of RADF (50% double side) | | | |
| | | | | Vertical magnification adjustment of RADF (100% double side) | | | |
| | | | | Vertical magnification adjustment of RADF (200% double side) | | | |
| | | | | Vertical magnification adjustment of RADF (400% double side) | | | |
| | | 2 | Restart timing adjustment | RADF (single side) | After making an adjustment, make a copy. | | |
| | | | | RADF (double side (first side)) | | | |
| | | | | RADF (double side (second side)) | | | |
| | | 3 | Paper loop adjustment | RADF (single side) | After making an adjustment, make a copy. | | |
| | | 4 | Centering adjustment | RADF (single side) | After making an adjustment, make a copy. | | |
| RADF (double side (first side)) | | | | | | | |
| RADF (double side (second side)) | | | | | | | |
| 5 | RADF scanner density adjustment | None | Make an adjustment of density by letting the machine read white chart. | | | | |
| 10 | FNS adjustment | — | FNS alignment plate position adjustment (back) | After making an adjustment, make a copy. | | | |
| | | | FNS alignment plate position adjustment (front) | | | | |

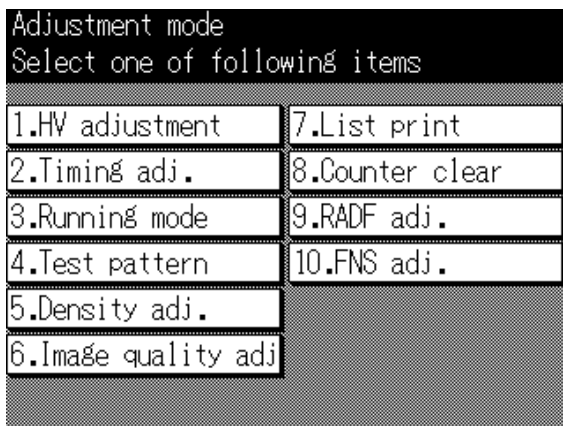
3 [Note 1: The sub-menu No. of the [Log list (1)/(2)] [Analysing list] sub-menu is different for each model of main body.
 Note 2: The [Counter clear] menu is the same as [13. Counter clear] of the 25 mode.


[1] Setting Method

A special operating mode called "36 Mode" has been provided with this machine. This mode enables adjustment of the various parts.

1. Turn the SW2 (sub power) OFF when the SW1 (main power) remains ON.
2. Turn the SW2 (sub power) ON while pressing 3 and 6 of the copy quantity setting buttons.
36 mode menu screen will appear on the LCD. At this time, normal copy operation is not possible.

36 mode menu screen



 Note: In the case of machines other than the 7020/25/30/35, [8. Counter Clear] in the 36 mode is the same as [13. Counter Clear] in the 25 mode.

3. Press the desired item key on the LCD screen. Each setting screen will appear.
4. Enter data in each setting screen.
5. Press the [RETURN] key to check the data that have been entered.
6. Turn the SW2 (sub power) OFF to cancel the 36 mode.
7. New data will be effective after re-starting.

Note: If RADF and FNS are not installed, the [9. RADF adj.] and [10. FNS adj.] keys are netted and neither key can be selected.

[2] High Voltage Adjustment

1. Charging voltage value adjustment

Charging voltage value adjustment is inhibited in the field.

2. Transfer current adjustment

Transfer current adjustment is inhibited in the field.

3. Separation (AC) voltage adjustment

Separation (AC) voltage adjustment is inhibited in the field.

4. Separation (DC) voltage value adjustment

Separation (DC) voltage value adjustment is inhibited in the field.

5. Charging grid voltage adjustment

Charging grid voltage adjustment is inhibited in the field.

6. Developing bias adjustment


Developing bias adjustment is inhibited in the field.

7. L detection adjustment

This adjustment be made immediately after replacement of the developer (before any copies are made with the new developer). Developing counter is automatically reset.

Caution: After replacing the developer, do not make copies until you have performed L detection adjustment.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [1. HV adjustment] key. |
| 3 | [High voltage adjustment screen] Press the [NEXT] key until the "L detection adj." appears in the message display area. |
| 4 | [High voltage adjustment --- L detection adjustment screen] Press the [START] key, then confirm that [OK] is displayed at [RESULT] and the L detection data value. |
| 5 | To make another adjustment, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 6 | Press the [RETURN] key to return to the 36 mode menu screen. |

 **Caution:** If an OK indication does not appear after the developer has been agitated, it means that an L detection adjustment error has occurred. In this case, an error code will appear in the "Result" display area. For the meaning of error codes, refer to the "L detection error code list" of "List of warning (error) codes".

8. Automatic toner supply

Normally, high voltage adjustment and toner supply take place automatically so there is no need to carry out these operations in the field.

[3] Timing Adjustment

This function adjusts each timing.

When timing adjustment is performed, use A3 or 11 x 17 size paper.

Timing adjustment menu

1. Vertical/horizontal magnification adjustment
 2. Restart timing adjustment
 3. Paper feed loop amount adjustment
 4. Leading edge original erasure amount adjustment
 5. Centering adjustment
 6. Image read point adjustment
 7. Restoring standard data
- (1) Select [2. Timing adj.] in the 36 mode menu screen. The timing adjustment menu screen will appear.
 - (2) Press the item key to be adjusted. The selected setting screen will appear.

1. Vertical/Horizontal magnification adjustment

Adjust the vertical/horizontal magnification at the zoom mode.


- (1) Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear. Select the [1. Drum clock adj.] on this screen, then the Drum clock adjustment (vertical/horizontal magnification adjustment) screen will appear.

This adjustment has the following items. These can be selected by pressing the [NEXT] or [BACK] key:

- Vertical magnification adjustment --- Printer (Note 1)
- Vertical magnification adjustment --- Printer 2 (Other than 7020/25/30)
- Vertical magnification adjustment --- Platen
- Horizontal magnification adjustment --- Platen
- Vertical magnification adjustment --- RADF (single side, 50%)
- Vertical magnification adjustment --- RADF (single side, 100%)
- Vertical magnification adjustment --- RADF (single side, 200%)
- Vertical magnification adjustment --- RADF (single side, 400%)
- Vertical magnification adjustment --- RADF (single side, 50%)
- Vertical magnification adjustment --- RADF (double side, 100%)
- Vertical magnification adjustment --- RADF (double side, 200%)
- Vertical magnification adjustment --- RADF (double side, 400%)

If the RADF is not installed, the RADF adjustment item will not appear.

- (2) Enter data from the numeric keys on the screen, then press the [SET] key to enter the data that have been entered.
- (3) Press the [COPY] key to return to the basic screen, then make a test copy.
- (4) Press the # button while pressing the * button to return to the Vertical/Horizontal magnification adjustment screen.
- (5) If the output (test copy image) is different from the standard value, enter setting value using the numeric keys and make a test copy.

 If the output (test copy image) is within the standard value, adjust the next adjustment item.

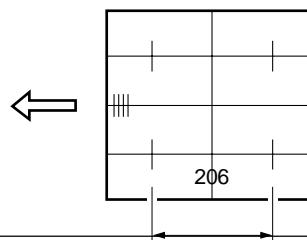
Note 1: Vertical magnification adjustment --- The method of adjusting the 7020/25/30 printer differs from that of the 7022/7130/7035/7135.

a. Printer vertical magnification adjustment (Exclusively for the 7020/25/30)

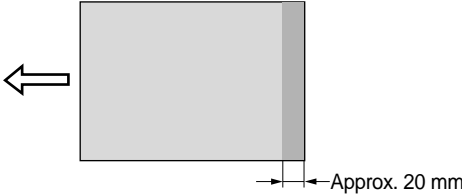
| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [1. Drum clock adj.] key. |
| 4 | [Magnification adjustment screen] Press the [NEXT] key until "Printer" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Select A3 or 11 x 17 size paper, then press the Start print button to print the SGU pattern. |
| 7 | Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ± 1 mm with respect to 206 mm |
| 8 | Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen. |
| 9 | [Vertical/horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -50 (reduction) ~ +50 (enlargement) 1 step = 0.1 % |
| 10 | Repeat steps 5 to 9 until the vertical magnification becomes the standard value. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

Standard value: 0.5 % max. (life size)

Within ± 1.0 mm with respect to 206 mm



**3 b-1. Printer vertical magnification adjustment
(Other than 7020/25/30)**

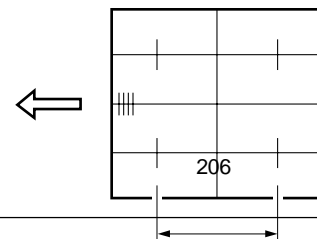
| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [1. Drum clock adj.] key. |
| 4 | [Magnification adjustment screen] Press the [NEXT] key until "Printer" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the copy size to A3 or 11 x 17, and the copy quantity to 5, then press the Start button and output an SGU pattern (No. 9). |
| 7 | Output five sheets of paper, and check for transfer jitter.  Check the transfer jitter at a point approx. 20 mm from the trailing edge of the paper. |
| 8 | Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen. |
| 9 | [Vertical/horizontal magnification (drum clock) adjustment screen] If a transfer jitter occurs, enter a value from the numeric keys (change the value in 2 steps), then press the [Set] key to finalize the adjustment value. Input range: -50 (reduction) ~ +50 (enlargement) 1 step = 0.1 % |
| 10 | Repeat steps 5 to 9 until the transfer jitter in all five output sheets disappears. |
| 11 | Once you have confirmed that there is no transfer jitter, press the [NEXT] key, then select "Printer 2" to adjust the vertical magnification of "printer 2". |

**3 b-2. Printer 2 vertical magnification adjustment
(Other than 7020/25/30)**

Note: Ensure that the printer's vertical magnification (Other than 7020/25/30) is adjusted before going ahead with this adjustment

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [1. Drum clock adj.] key. |
| 4 | [Magnification adjustment screen] Press the [NEXT] key until "Printer 2" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Select A3 or 11 x 17 size paper, then press the Start print button to print the SGU pattern. |
| 7 | Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ±1 mm with respect to 206 mm |
| 8 | Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen. |
| 9 | [Vertical/horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -50 (reduction) ~ +50 (enlargement) 1 step = 0.1 % |
| 10 | Repeat steps 5 to 9 until the vertical magnification becomes the standard value. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

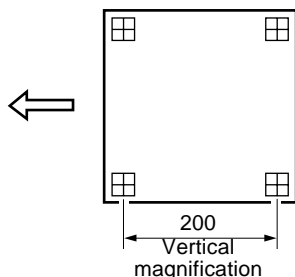
Standard value: 0.5 % max. (life size)
Within ±1.0 mm with respect to 206 mm



c. Platen vertical magnification adjustment

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [1. Drum clock adj.] key. |
| 4 | [Vertical/Horizontal magnification (drum clock) adjustment screen] Press the [NEXT] key until "Drum clock adj. (platen)" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the new pyramid chart on the original glass and select A3 or 11 x 17 size paper. Then press the Start print button to make a copy. |
| 7 | Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ± 1 mm with respect to 200 mm |
| 8 | Press the # button while pressing the * button to return to the vertical/horizontal magnification adjustment screen. |
| 9 | [Vertical/Horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -20 (reduction) ~ +20 (enlargement) 1 step = 0.05 % |
| 10 | Repeat steps 5 to 9 until the vertical magnification becomes the standard value. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

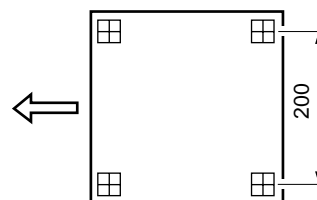
Standard value: 0.5 % max. (life size)

Within ± 1.0 mm with respect to 200 mm

d. Platen horizontal magnification adjustment

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [1. Drum clock adj.] key. |
| 4 | [Vertical/Horizontal magnification (drum clock) adjustment screen] Press the [NEXT] key until "Horizontal adj. (platen)" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the new pyramid chart on the original glass and select A3 or 11 x 17 size paper. Then press the Start print button to make a copy. |
| 7 | Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ± 1 mm with respect to 200 mm |
| 8 | Press the # button while pressing the * button to return to the vertical/horizontal magnification adjustment screen. |
| 9 | [Vertical/Horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -10 (reduction) ~ +10 (enlargement) 1 step = 0.1 % |
| 10 | Repeat steps 5 to 9 until the horizontal magnification becomes the standard value. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

Standard value: 0.5 % max. (life size)

Within ± 1.0 mm with respect to 200 mm

Caution: The result of the platen horizontal magnification will be reflected all the images read by scanner (RADF, platen).

e. RADF vertical magnification adjustment

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [1. Drum clock adj.] key. |
| 4 | [Vertical/Horizontal magnification (drum clock) adjustment screen] Press the [NEXT] key until "RADF/100%" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the ADF adjustment chart on the RADF and select A3 or 11 x 17 size paper. Then press the Start print button to make a copy. |
| 7 | Measure the vertical magnification of the output paper. Standard value: 0.5 % max (life size) Within ± 1.0 mm with respect to 190 mm |
| 8 | Press the # button while pressing the * button to return to the vertical/horizontal magnification (drum clock) adjustment screen. |
| 9 | [Vertical/Horizontal magnification (drum clock) adjustment screen] If the vertical magnification is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -20 (reduction) ~ +20 (enlargement) 1 step = 0.1 % |
| 10 | Repeat steps 5 to 9 until the vertical magnification becomes the standard value. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

2. Restart timing adjustment

To adjust the restart timing.

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

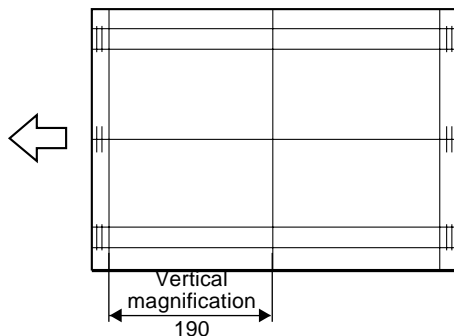
Select the [2. Restart timing] on this screen, then the restart timing adjustment screen will appear.

This adjustment has the following kinds of items. These can be selected by pressing the [NEXT] or [BACK] key:

- Restart timing adjustment --- Engine (All)
- Restart timing adjustment --- Engine (Main body upper tray)
- Restart timing adjustment --- Engine (Main body lower tray)
- Restart timing adjustment --- Engine (DB upper tray)
- Restart timing adjustment --- Engine (DB lower tray)
- Restart timing adjustment --- Engine (By-pass)
- Restart timing adjustment --- Engine (ADU)
- Restart timing adjustment --- RADF (single side)
- Restart timing adjustment --- RADF (double side (first side))
- Restart timing adjustment --- RADF (double side (second side))

Standard value: 0.5 % max. (life size)

Within ± 1 mm with respect to 200 mm



a. Engine restart timing adjustment

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [2. Restart timing] key. |
| 4 | [Restart timing adjustment screen] Press the [NEXT] key until the desired adjustment item appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Select A3 or 11 x 17 size paper and press the Start print button to print the SGU pattern. |
| 7 | Check the restart (leading edge) timing of the output paper. Standard value: Within ± 2.0 mm |
| 8 | Press the # button while pressing the * button to return to the restart timing adjustment screen. |
| 9 | [Restart timing adjustment screen] If the restart timing is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -127 (slow) ~ +127 (fast) 1 step = 0.1mm |
| 10 | Repeat steps 5 to 9 until the restart timing becomes the standard value. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

b. RADF restart timing adjustment

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [2. Restart timing] key. |
| 4 | [Restart timing adjustment screen] Press the [NEXT] key until the desired RADF adjustment item appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the ADF adjustment chart on the RADF and select A3 or 11 x 17 size paper. Then press the Start print button to make a copy. * Adjustment the "RADF double side (second side)", then make a test copy in double side - single side mode and check the restart timing of 2nd output paper. |
| 7 | Check the restart (leading edge) timing of the output paper. Standard value: Within ± 3.0 mm (life size) |
| 8 | Press the # button while pressing the * button to return to the restart timing adjustment screen. |
| 9 | [Restart timing adjustment screen] If the restart timing is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -50 (slow) ~ +50 (fast) 1 step = 0.1mm |
| 10 | Repeat steps 5 to 9 until the restart timing becomes the standard value. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

3. Paper feed loop amount adjustment

If a paper is skewed, adjust the amount of the loop for each tray.

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

Select the [3. Paper loop adj.] on this screen, then the paper feed loop amount adjustment screen will appear.

This adjustment has the following kinds of items. These can be selected by pressing the [NEXT] or [BACK] key.

- Paper feed loop adjustment (All)
- Paper feed loop adjustment (Main body upper tray)
- Paper feed loop adjustment (Main body lower tray (small size)) (Note 1)
- Paper feed loop adjustment (Main body lower tray (large size)) (Note 2)
- Paper feed loop adjustment (DB upper tray (small size)) (Note 3)
- Paper feed loop adjustment (DB upper tray (large size)) (Note 4)
- Paper feed loop adjustment (DB lower tray (small size)) (Note 5)
- Paper feed loop adjustment (DB lower tray (large size)) (Note 6)
- Paper feed loop adjustment (Bypass (ordinary paper))
- Paper feed loop adjustment (Bypass (thick paper))
- Paper feed loop adjustment (Bypass (post card))
- Paper feed loop adjustment (ADU)
- Paper feed loop adjustment (RADF) (single side)

Note 1: B5 only

Note 2: Other than B5

Note 3: Other than A3, B4, 11x17 and 8.5x14.
The loop value is set at -10 when DB is LCT.
Further adjustments are required if the paper is still skewed.
Set the amount of the loop to -8 if the main body is other than 7020/25/30.

Note 4: A3, B4, 11x17 and 8.5x14

Note 5: Other than A3 and 11x17

Note 6: A3 and 11x17

a. Paper feed loop adjustment for engine

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [3. Paper loop adj.] key. |
| 4 | [Paper feed loop amount adjustment screen] Press the [NEXT] key until the desired adjustment item appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Select A3 or 11 x 17 size paper, then press the Start print button to print the SGU pattern. |
| 7 | Check the skewing condition. |
| 8 | Press the # button while pressing the * button to return to the paper feed loop amount adjustment screen. |
| 9 | [Paper feed loop amount adjustment screen] If the paper feed loop amount is not correct, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. <Input range> Other than 7025/35/7135: -127 (small) ~ 00 (standard) ~ +127 (large) 7025: -127 (small) ~ 00 (standard) ~ +20 (large) 7035/7135: -100 (small) ~ 00 (standard) ~ +15 (large) 1 step =0.18mm (7020/25/30/35/7135) =0.14mm (Other than 7020/25/30/35/7135) |
| 10 | Repeat steps 5 to 9 until the paper feed loop amount becomes appropriate. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

b. Paper feed loop adjustment for RADF

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [3. Paper loop adj.] key. |
| 4 | [Paper feed loop amount adjustment screen] Press the [NEXT] key until RADF appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the ADF adjustment chart on the RADF and select A3 or 11 x 17 size paper, then press the Start print button to make a test copy. |
| 7 | Check the condition of skewing in the output copy. |
| 8 | Press the # button while pressing the * button to return to the paper feed loop amount adjustment screen. |
| 9 | [Paper feed loop amount adjustment screen] If the paper feed loop amount is not correct, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -10 (small) ~ 00 (standard) ~ +10 (large) 1 step = 0.5mm |
| 10 | Repeat steps 5 to 9 until the skewing condition is correct. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |



4. Leading edge original erasure adjustment

Adjust the leading edge original erasure (leading edge blank cut) amount.

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

Select the [4. Lead edge timing] on this screen, then the leading edge original erasure amount adjustment screen will appear.

Caution: If you reduce the erasure width, a black line may appear on the leading edge of the paper when you make an enlarged copy.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [4. Lead edge timing] key. |
| 4 | [Leading edge original erasure adjustment screen] Press the [COPY] key. |
| 5 | [Basic screen] Set the new pyramid chart on the original glass and select A3 or 11 x 17 size paper, then press the Start print button to make a test copy. |
| 6 | Measure the leading edge original erasure amount of the output paper. Standard value: Within 3.0 mm |
| 7 | Press the # button while pressing the * button to return to the leading edge original erasure amount adjustment screen. |
| 8 | [Leading edge original erasure adjustment screen] If the leading edge original erasure amount is not correct, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -20 (small) ~ +20 (large) 1 step = 0.1mm |
| 9 | Repeat steps 4 to 8 until the leading edge original erasure amount becomes the standard value. |
| 10 | Press the [RETURN] key to return to the timing adjustment menu screen. |

5. Centering adjustment

Adjust the miscentering for paper feed direction.


Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

Select the [5. Centring adj.] on this screen, then the centering adjustment screen will appear.

This adjustment has the following kinds of items. These can be selected by pressing the [NEXT] or [BACK] key.

- Centering adjustment (All)
- Centering adjustment (Main body upper tray, common)
- Centering adjustment (Main body upper tray, small size)
- Centering adjustment (Main body upper tray, large size)
- Centering adjustment (Main body lower tray, common)
- Centering adjustment (Main body lower tray, small size)
- Centering adjustment (Main body lower tray, large size)
- Centering adjustment (DB upper tray, common)
- Centering adjustment (DB upper tray, small size)
- Centering adjustment (DB upper tray, large size)
- Centering adjustment (DB lower tray, common)
- Centering adjustment (DB lower tray, small size)
- Centering adjustment (DB lower tray, large size)
- Centering adjustment (ADU, common)
- Centering adjustment (ADU, small size)
- Centering adjustment (ADU, large size)
- Centering adjustment (By-pass, common)
- Centering adjustment (By-pass, small size)
- Centering adjustment (By-pass, large size)
- Centering adjustment (Platen)
- Centering adjustment (RADF single side)
- Centering adjustment (RADF double side (first side))
- Centering adjustment (RADF double side (second side))


Note 1: **ADU centering adjustment can be taking place for each paper size.**

 **Large size: A3, B4**
Small size: A4R, B5R, 8 x 11R

Note 2: **ADU centering adjustment for each paper is the offset adjustment from the ADU (common).**

a. Each tray centering adjustment

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [5. Centring adj.] key. |
| 4 | [Centering adjustment screen] Press the [NEXT] key until the desired tray appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set A3 or 11 x 17 size paper in the tray to be adjusted and select this tray. Then press the [START] button to print the SGU pattern . |
| 7 | Fold the output (SGU pattern) at the center in the paper feed direction, and check that the left and right lines overlap completely. Standard value: Within ± 2 mm |
| 8 | Press the # button while pressing the * button to return to the centering adjustment screen. |
| 9 | [Centering adjustment screen] If the miscentering is more than standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -53 (inward direction of the center line) ~ +53 (rear direction of the center line) 1 step = 0.09mm |
| 10 | Repeat steps 5 to 9 until the miscentering is within standard value. (Note 1) |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

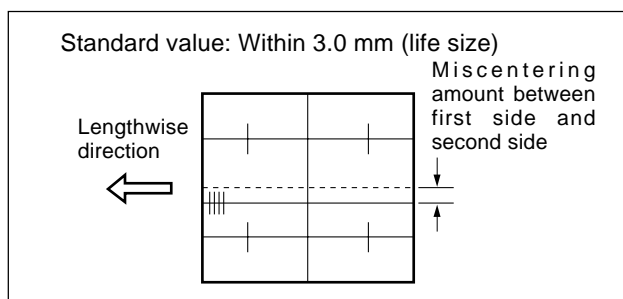
 Note 1: If it can not be adjusted within the specified range, refer to "Other Adjustments".

b. ADU centering adjustment

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [5. Centring adj.] key. |
| 4 | [Centering adjustment screen] Press the [NEXT] key until "ADU" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Select copy mode to single side - double side mode, then press the Start print button to print the SGU pattern. |
| 7 | Fold the output (SGU pattern) at the center in the paper feed direction, and check that the left and right lines overlap completely. Standard value: First side: Within ± 3 mm Second side: Within ± 3 mm |
| 8 | Press the # button while pressing the * button to return to the centering adjustment screen. |
| 9 | [Centering adjustment screen] If the miscentering is more than standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -53 (inward direction of the center line) ~ +53 (rear direction of the center line) 1 step = 0.09mm |
| 10 | Repeat steps 5 to 9 until the miscentering is within standard value for each paper size. (Note 1) |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

c. Platen centering adjustment

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [5. Centring adj.] key. |
| 4 | [Centering adjustment screen] Press the [NEXT] key until "Platen" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the new pyramid chart on the original glass and select A3 or 11 x 17 size paper, then press the Start print button to make a test copy. |
| 7 | Check the miscentering by comparing the original with the copy. Standard value: Within ± 2 mm |
| 8 | Press the # button while pressing the * button to return to the centering adjustment screen. |
| 9 | [Centering adjustment screen] If the miscentering is more than standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -74 (inward direction of the center line) ~ +74 (rear direction of the center line) 1 step = 0.04mm |
| 10 | Repeat steps 5 to 9 until the miscentering is within standard value. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |



Note 1: If it can not be adjusted within the specified range, refer to "Other Adjustments".

d. RADF centering adjustment


| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [5. Centring adj.] key. |
| 4 | [Centering adjustment screen] Press the [NEXT] key until "RADF" appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the ADF adjustment chart on the RADF and select A3 or 11 x 17 size paper, then press the Start print button to make a copy. * Adjust the "RADF (double side (second side))", then make a test copy in double side - single side mode and check the loop amount of 2nd outputted paper. |
| 7 | Check the miscentering by comparing the original with the copy. Standard value: Within ± 3 mm |
| 8 | Press the # button while pressing the * button to return to the centering adjustment screen. |
| 9 | [Centering adjustment screen] If the miscentering is more than standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -74 (inward direction of the center line) to +74 (rear direction of the center line) 1 step = 0.04mm |
| 10 | Repeat steps 5 to 9 until the miscentering is within standard value for each adjustment. |
| 11 | To adjust another adjustment item, press the [NEXT] or [BACK] key to select the desired adjustment. |
| 12 | Press the [RETURN] key to return to the timing adjustment menu screen. |

6. Image read point adjustment

Adjust the image read point.

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment screen will appear.

Select the [6. Read point adj.] on this screen, then the centering adjustment screen will appear.

 Note: If you shift this value by a large amount, the RADF read density may change.



| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [6. Read point adj.] key. |
| 4 | [Image read point adjustment screen] Press the [COPY] key. |
| 5 | [Basic screen] Set the new pyramid chart on the platen glass and select A3 or 11 x 17 size paper, then press the Start print button to make a test copy. |
| 6 | Make a comparison between original image and test copy image. Then check the image read point. Standard value: 1.0 mm |
| 7 | Press the # button while pressing the * button to return to the image read point adjustment screen. |
| 8 | [Image read point adjustment screen] If the image read point is different from the standard value, enter a value from the numeric keys, then press the [SET] key to store the adjustment value. Input range: -20 (small) to +20 (large) 1 step = 0.1mm |
| 9 | Repeat steps 5 to 9 until the image read point is within standard value. |
| 10 | Press the [RETURN] key to return to the timing adjustment menu screen. |

7. Resetting standard data

Reset the adjusted set values of timing adjustment to the standard values (factory default data).

Select the [2. Timing adj.] in the 36 mode menu screen, then the timing adjustment menu screen will appear.

Select the [7. Factory default] on this screen, then the resetting standard data screen will appear.

This adjustment can reset the following item adjusted set values to the standard values (factory default data). These can be selected by pressing the [NEXT] or [BACK] key.

- Factory default --- Vertical/Horizontal magnification adjustment
- Factory default --- Restart timing adjustment
- Factory default --- Paper feed loop amount adjustment
- Factory default --- Leading edge original erasure adjustment
- Factory default --- Centering adjustment
- Factory default --- Original read point adjustment

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [2. Timing adj.] key. |
| 3 | [Timing adjustment menu screen] Press the [7. Factory default] key. |
| 4 | [Resetting standard data screen] Press the [NEXT] key until the desired item appears in the message display area. |
| 5 | Press the [YES] key to reset the set values to the standard values that have been selected and to return to timing adjustment menu screen. Press the [NO] or [RETURN] key, then the set values are not reset and return to timing adjustment menu screen. |
| 6 | To reset another adjustment item, repeat steps 4 to 5. |
| 7 | Press the [RETURN] key to return to the timing adjustment menu screen. |

△

[4] Running Test Mode

Select the [3. Running mode] in the 36 mode menu screen, then the running test mode menu screen will appear.

The following items can be selected:

1. Running mode 1 (Intermittent copy mode)

Running mode 1 is an intermittent copy mode. In this mode, after the set number of copy operations has been completed, the machine goes into the copy ready status, waits 0.5 sec., then starts the same operation again.

2. Running mode 2 (Paperless intermittent copy mode)

Running mode 2 is a paperless intermittent copy mode. It makes copies at roughly the same timing as for a normal copy, without performing paper detection or jam detection. Also, like running mode 1, after the set number of copy operations has been completed, the machine goes into the copy ready status, waits 0.5 sec., then starts the same operation again.

3. Running mode 3 (Paperless mode)

Running mode 3 is a paperless mode. It makes copies at roughly the same timing as for a normal copy, without performing paper detection or jam detection.

4. Running mode 4 (Paperless/endless mode)


Running mode 4 is a paperless/endless mode. It automatically sets the copy quantity to infinity. Also, like running mode 3, it makes copies at roughly the same timing as for a normal copy, without performing paper detection or jam detection.

5. Running mode 5


Running mode 5 is process running mode. It consists of running mode 4 plus an operation consisting of an optics each-time scan and an automatic paper feed tray change.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [3. Running mode] key. |
| 3 | [Running test mode menu screen] Press the key according to the desired running mode. (Mode 1 to Mode 5) |
| 4 | [Basic screen] Press the Start print button. |
| 5 | After checking the copy operation, press the Stop/Clear button to stop copy operation. |
| 6 | Press the # button while pressing the * button to return to the running mode menu screen. |
| 7 | To perform another running test mode, repeat steps 3 to 6. |
| 8 | Press the [RETURN] key to return to 36 mode menu screen. |

[5] Test Pattern Output

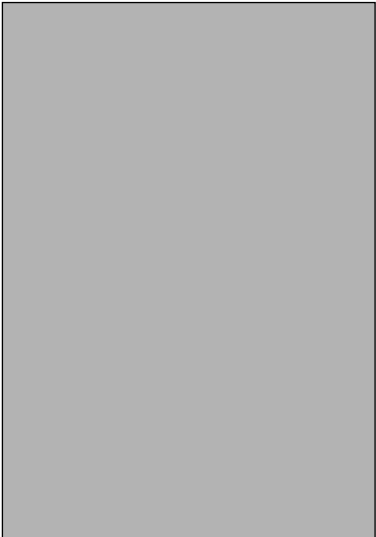
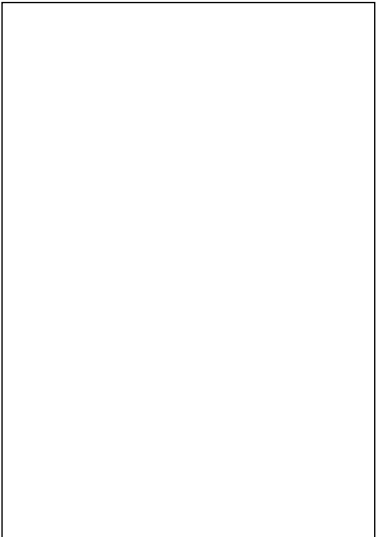
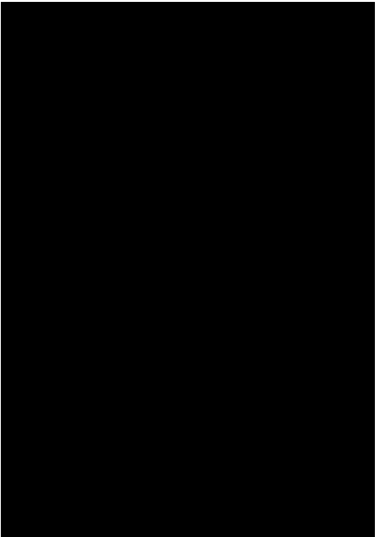
 Perform an output check of the various internal patterns.

Select the [4. Test pattern] in the 36 mode menu screen, then the test pattern output screen will appear.

 Note: Do not output patterns that are not particularly specified.

| | |
|-------|------------------------------|
| No.1 | Overall halftone |
| No.2 | Gray scale pattern |
| No.49 | |
| No.11 | Writing system check |
| No.16 | Linearity evaluation pattern |

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [4. Test pattern] key. |
| 3 | [Test pattern output screen] Enter a pattern number to be output from numeric key. |
| 4 | Press the [SET] key. Press the [COPY] key. |
| 5 | [Basic screen] Press the Start print button to output a test pattern. |
| 6 | Press the # button while pressing the * button to return to the test pattern output screen. |
| 7 | To output a different test pattern, repeat steps 3 to 6. |
| 8 | Press the [RETURN] key to return to the 36 mode menu screen. |

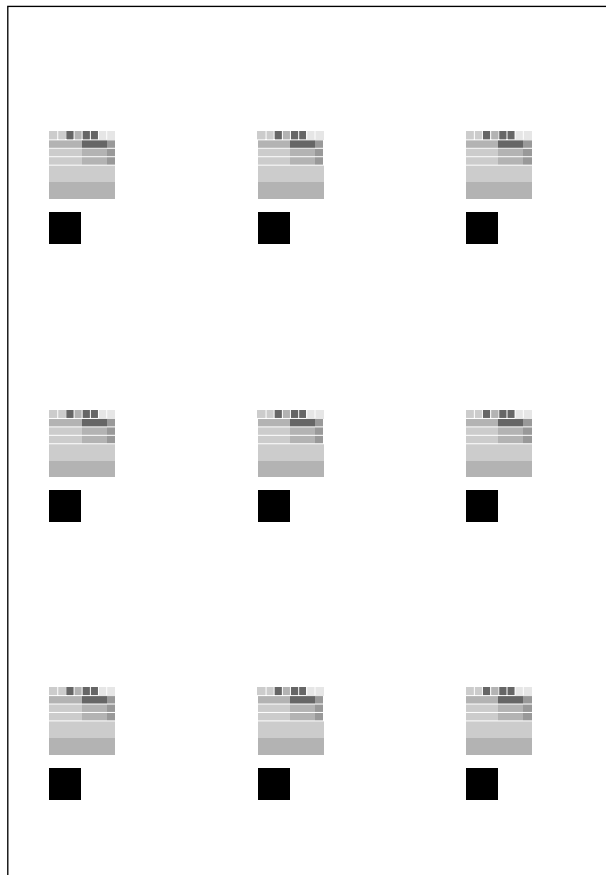
| No. 1 | Overall halftone |
|--|------------------|
| <p>[Check Items]</p> <ul style="list-style-type: none">• When the density is set to 70 (halftone) If white stripes, black stripes, or uneven density can be seen, locate abnormality in either scanner system or printer system.• When the density is set to 0 (white) If the test pattern is fogged, locate abnormality in either scanner system or printer system.• When the density is set to 255 (black) If the density is light, locate abnormality in either scanner system or printer system. <p>* For information about setting the density, refer to “[6] Test pattern density adjustment” below.</p> | |
| <p>Test Pattern</p> <div></div> <div></div> <div></div> | |

No. 11 **Beam misalignment check**

[Check Items]

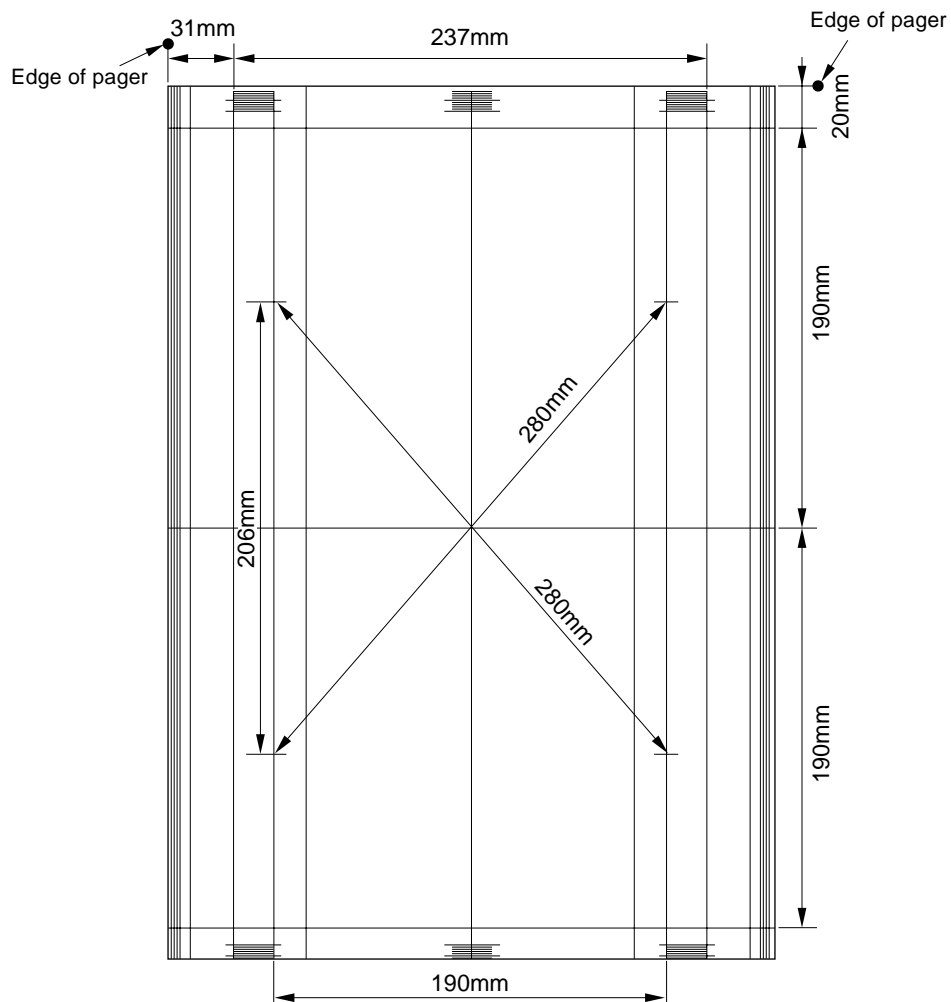
Check the writing system abnormality (condition of resolution, reproducibility of independence point and so on).

Test Pattern



**No. 16 Linearity evaluation pattern****[Check Items]**

Judge from this test pattern which of the scanner system and the printer system is abnormal. Items that can be checked include horizontal magnification, vertical magnification, tilt image, and leading edge timing of the printer system. If the copy image is defective despite no abnormality being visible on the test pattern, the scanner system is defective.

Test Pattern

[6] Test Pattern Density Adjustment

Density of respective patterns is adjusted in the following procedure.

Select the [5. Density Adj.] in the 36 mode menu screen, then the print density adjustment menu screen will appear.

Density adjustment menu

1. Test pattern density adjustment

1. Test pattern density adjustment

Adjustment of the density of the test pattern.

Select the [5. Density Adj.] in the 36 mode menu screen, then the print density adjustment menu screen will appear.

Select the [1. Print density adj. (1)] in the print density adjustment menu screen, then the print density adjustment screen will appear.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [5. Density adj.] key. |
| 3 | [Print density adjustment menu screen] Press the [1. Print density adj. (1)] Key. |
| 4 | [Print density adjustment screen] Press the key according to the desired test pattern to be adjusted. (No.01, No.06, No.12 and No.17) |
| 5 | Enter a desired density by a numeric value from the numeric keys, then press the [SET] key. Input range : 000 (light) to +255 (dark). |
| 6 | Press the [COPY] key. |
| 7 | [Basic screen] Press the start print button to output a test pattern. |
| 8 | Check the density of the output test pattern. |
| 9 | Press the # button while pressing the * button to return to the print density adjustment screen. |
| 10 | To adjust another test pattern, repeat steps 4 to 9. |
| 11 | Press the [RETURN] key to return to print density adjustment menu screen. |

[7] Image Quality Adjustment

This function adjusts the image quality adjustment.

- (1) Select the [6. Image quality adj] in the 36 mode menu screen, then the image quality adjustment screen will appear.

Image quality adjustment menu

1. RADF scan density adj.

- 3 2. Non-image area erase check.

1. RADF scanning density adjustment

When the slit glass is replaced, adjust the density when reading the original with the RADF.

Note 1: The mechanical adjustment, optical adjustment and electrical adjustment of the scanner are completed.

Note 2: Make sure that the slit glass is cleaned.

Note 3: Make sure that the white chart is not dirty or folded.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [6. Image quality adj] key. |
| 3 | [Image quality adjustment screen] Press the [1. RADF Scan density adj.] key. |
| 4 | [RADF Scanning density adjustment screen] Set the white chart on the RADF (Note 1). |
| 5 | Press the [START] key. |
| 6 | Check that "Completed" appears in the message display area. |
| 7 | If "ERROR" appears in the message display area, then repeat steps 4 and 5 (Note 2). |
| 8 | Press the [RETURN] key to return to the image quality adjustment screen. |

Note 1: Be sure to set the white chart in A4 direction. If it is set in A4R direction, appropriate adjustment is not available.

Note 2: If "ERROR" is displayed repeatedly, there is a possibility of a defect in the adjustment of the scanner machine, optics, or electric-related parts.

2. Non-image area erase check (Other than 7020/25/30)

Carry out a survey of the installation environment after the machine is newly installed or moved to a different location.

Be careful of the following points when performing this adjustment.

- * Be sure that the RADF is fully open.
- * Do not place anything on the platen.
- * The platen glass must not be dirty.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [6. Image quality adj] key. |
| 3 | [Image quality adjustment screen] Press the [2. Non-image Area Erase check] key. |
| 4 | [Non-image area erase check screen] Press the [START] key. |
| 5 | Confirm that "Operation OK" appears on the message display. If "Operation NG" appears, carry out non-original erasure installation survey once again while referring to "Trouble and Remedy" below. |
| 6 | Press the [RETURN] key to return to the image quality adjustment screen. |

Trouble and Remedy

Warning-1

Adjust for Extreme Brightness. In many cases, the Non-image-area-erase function will not operate correctly. Please confirm "adjustment" - "36 mode" columns of the Service Hand book.

Remedy 1

If you use the non-original erasure function, or copy originals that have a dark background using the non-original erasure method, relatively infrequently, use the machine in its present installation environment. If, however, you copy originals that have a dark background fairly frequently, re-install the machine in a dark location and facing a direction such that external light does not get into it, then carry out the

Warning-2

A datum with potential not to function non-image-area-erase is found. Please confirm "adjustment" - "36 mode" columns of the Service Hand book.

Remedy 2

If you use the non-original erasure function relatively infrequently, you can use the machine in its present installation environment. If, however, you copy originals that have a dark background fairly frequently, re-install the machine in a dark location and facing a direction such that external light does not get into it, then carry out the installation survey once again. In this case, if there is a bright light source, such as a fluorescent light, directly above the machine, reconsider the installation location and direction, or take steps to block off the light from the light source (by using a cover, for example), then carry out the installation survey once again.

[8] List Print

Select the [7. List Print] from the 36 mode menu screen to display the list print menu screen.

You can select following menu options from this screen.

1. Test pattern.
2. Font pattern.
3. Memory dump list.
4. Management list.
5. Adjustment list.
6. Log list. (1)
7. Log list. (2)

3 **8. Analysing list (Other than 7020/25/30/35)**

Note: Don't try to touch a mode not mentioned.

1. Test pattern

This option is used to output a grid pattern consisted of line width of 2 dots and line-to-line space of 500 dots. From this pattern, you can check the write system for normal performance.

2. Font pattern

This option outputs the font list built in the engine.

3. Memory dump list

This option is used to dump out data (in HEX and ASCII format) after the address specified in ERDH memory (this list is referenced for troubleshooting).

4. Management list

This option outputs the machine status, counter information and history of jam and so on.

5. Adjustment list

This option outputs a list of current adjusting values in the 25/36 mode.

6. Log list (1)

The data from the memory is dumped in the HEX format and the ASCII format. (for analyzing trouble)
Normally not used.

3 **Note:** In the case of 7020/25/30/35, the key No. of log list (1) is "7".

7. Log list (2)

The data from the memory is dumped in the HEX format and the ASCII format. (for analyzing trouble)
Normally not used.

3 **Note:** In the case of 7020/25/30/35, the key No. of log list (2) is "8".

3 **8. Analysing list**

Outputs the necessary list prints together if trouble occurs in the field. (for analysing trouble)
Normally not used. (Other than 7020/25/30/35)

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [7. List print] key. |
| 3 | [List print menu screen] Press the key corresponding to the desired menu option. |
| 4 | [List print screen] When outputting the memory dump list, specify the start and end addresses (Note). |
| 5 | Press the [Copy] key. |
| 6 | [Basic screen] Press the [START] button to output the list. |
| 7 | Press the # button while depressing the * button to return to the list print screen. |
| 8 | When outputting another list, repeat above steps 3 to 7. |
| 9 | Press the [RETURN] key to return to the list print menu screen. |

Note: The memory dump list is dump output in both the HEX and ASCII format.

[9] Counter Clear

The counter must be cleared whenever the drum or fixing parts/unit is replaced.

Select the [8. Counter Clear] from the 36 mode menu screen to display the counter clear screen.

Following menu options are available from this screen.

1. Drum unit related counter (Drum counter).

Note: Reset the drum counter after the charge grid data to the standard values (factory default data).

2. Fixing counter (fixing web counter).

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [13. Counter clear] key. |
| 3 | [Counter clear screen] Press the key corresponding to the item to be cleared. |
| 4 | Message in the message display area will confirm if you really want to clear the item. Press the [YES] key. When the item is cleared, the counter clear screen will be restored. |
| 5 | When clearing another counter, repeat above steps 3 and 4. |
| 6 | Press the [RETURN] key to return to the 36 mode menu screen. |

⚠ The operation here is the same as [13. Counter clear] on the 25 mode menu screen. (Other than 7020/25/30/35)

[10] Adjustment of RADF

Adjustments of RADF are performed in the following procedures. For the adjustment, A3 or 11 x 17 copy paper should be used.

- (1) Select the [9. RADF adj.] from the 36 mode menu screen to display the RADF adjustment menu.

RADF adjustment menu

1. Vertical/horizontal magnification (Drum clock) adjustment.
 2. Restart timing adjustment.
 3. Paper feed loop amount adjustment.
 4. Centering adjustment.
 5. RADF scanning density adjustment.
- (2) Press the key corresponding to the desired item. The screen corresponding to the selected item will appear.
 - (3) Using the [Next] and [BACK] keys, select the item to be adjusted. The selected item will be indicated in the message display area on the screen.
 - (4) Enter a desired value from the numeric keys on the screen, then press the [SET] key to validate your entry.
 - (5) Turn on the basic screen by pressing the [COPY] key, then make a test copy from the basic screen.
 - (6) Press the # button while depressing the * button to return to the desired adjustment screen.
 - (7) If the output does not conform to the standard, enter a desired value again from the numeric keys, then make a test copy. When the output satisfies the standard, proceed to adjustment of the next item.
 - (8) When the adjustment is complete, press the [RETURN] key to return to the timing adjustment screen.

1. Adjustment of horizontal/vertical magnification (Drum clock)

- (1) Select the [9. RADF adj.] from the 36 mode menu screen to display the RADF adjustment menu. Select [1. Drum clock adj.] from this screen and the magnification screen will appear.

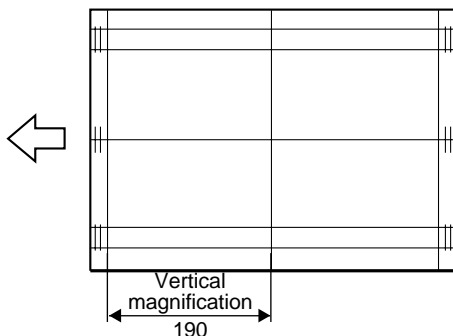
Using the [NEXT] and [BACK] will allow you to select the following items.

- Vertical magnification adjustment --- RADF (single side, 50%).
 - Vertical magnification adjustment --- RADF (single side, 100%).
 - Vertical magnification adjustment --- RADF (single side, 200%).
 - Vertical magnification adjustment --- RADF (single side, 400%).
 - Vertical magnification adjustment --- RADF (double side, 50%).
 - Vertical magnification adjustment --- RADF (double side, 100%).
 - Vertical magnification adjustment --- RADF (double side, 200%).
 - Vertical magnification adjustment --- RADF (double side, 400%).
- (2) Enter a desired value from the numeric keys on the screen, then press the [SET] key to validate your entry.
 - (3) Turn on the Basic Screen by pressing the [COPY] key, then make a test copy from the basic screen.
 - (4) Press the # button while depressing the * button to return to the magnification adjustment screen.
 - (5) If the output does not conform to the standard, enter a desired value again from the numeric keys, then make a test copy.

When the output satisfies the standard, proceed to adjustment of the next item.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [9. RADF adj.] key. |
| 3 | [RADF adjustment menu screen] Press the [1. Drum clock adj.] key. |
| 4 | [Magnification adjustment screen] Press the [NEXT] key until the desired adjustment item appears. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the ADF adjustment chart on RADF, then select an A3 or 11 x 17 copy paper. Then press the start button to make a copy. |
| 7 | Measure vertical magnification of the output. Standard value: -0.5% maximum (with 1.0 magnification). -1.0 mm maximum per 190 mm. |
| 8 | Press the # button while depressing the * button to return to the magnification adjustment screen. |
| 9 | [Magnification adjustment screen] If the vertical magnification does not comply with the standard value, enter the value from the numeric keys, then press the [SET] key to validate your entry. Input range: -20 (reduce the magnification) to $+20$ (increase the magnification) 1 step = 0.1 |
| 10 | Repeat above steps 5 to 9 until the vertical magnification meets the standard value. |
| 11 | You can proceed to adjustment of another item using the [NEXT] and [BACK] keys. |
| 12 | Press the [RETURN] key to return to the RADF adjustment menu screen. |

Standard value: $\pm 0.5\%$ maximum (in 1.0 magnification)
 ± 1 mm maximum per 200 mm



2. Adjustment of restart timing

Use the following procedure to adjust the RADF restart timing.


At the 36 mode menu screen, select [9. RADF adj.] to open the RADF adjustment menu. At the RADF adjustment menu, select [2. Restart timing]. This moves you to the screen you use to adjust the restart timing.

You can use the [NEXT] and [BACK] buttons to select the following adjustments.

- Restart timing adjustment --- RADF (single side)
- Restart timing adjustment --- RADF (double side (first side))
- Restart timing adjustment --- RADF (double side (second side))

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [9. RADF adj.] key. |
| 3 | [RADF adjustment menu screen] Press the [2. Restart Timing] key. |
| 4 | [Re-start timing adjustment screen] Press the [NEXT] key until the desired adjustment item appears. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the ADF adjustment chart on RADF, then select an A3 or 11 x 17 copy paper. Then press the start button to make a copy. * When RADF (double side (second side)) is selected, make copies from double side - single side mode, and use the second copy for the adjustment. |
| 7 | Check the output for the restart timing. Standard value: -3.0 mm maximum (Life size). |
| 8 | Press the # button while depressing the * button to return to the restart timing adjustment screen. |
| 9 | [Restart timing adjustment screen] When the restart timing does not comply with the standard value, enter the value from the numeric keys, then press the [SET] key to validate it. Input range: -50 (delays the timing) to +50 (advances the timing) 1 step = 0.1 mm |
| 10 | Repeat above steps 5 to 9 until the re-start timing meets the standard value. |
| 11 | You can select another item for the adjustment from the [NEXT] and [BACK] keys. |
| 12 | Press the [RETURN] key to return to the RADF adjustment menu screen. |

3. Paper feed loop adjustment

 Adjustment of the RADF loop amount is done in the following procedures.

Select the [9. RADF adj.] from the 36 mode menu screen to display the RADF adjustment menu screen. Select the [3. Paper loop adj.] from this screen to display the paper feed loop adjustment screen.

Using the [NEXT] and [BACK] keys, you can select the following item from this screen.

- Paper loop adjustment --- RADF (single side)

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [9. RADF adj.] key. |
| 3 | [RADF adjustment menu screen] Press the [3. Paper Loop adj.] key. |
| 4 | [Paper feed loop adjustment screen] Press the [COPY] key. |
| 5 | [Basic screen] Set the ADF adjustment chart on RADF, then select an A3 or 11 x 17 copy paper. Then press the start button to make a copy. |
| 6 | Check paper feed loop volume of the output. |
| 7 | Press the # button while depressing the * button to return to the Paper Feed Loop Volume Adjustment Screen. |
| 8 | [Paper feed loop volume adjustment screen] If the paper feed loop amount is inappropriate, enter a desired value from the numeric keys, then press the [SET] key to validate it. Input range: -10 (decrease) through 00 (standard) up to +10 (increase) 1 step = 0.5 mm |
| 9 | Repeat above steps 4 to 8 until an appropriate paper feed loop volume is obtained. |
| 10 | You can proceed to adjustment of another item from the [NEXT] and [BACK] keys. |
| 11 | Press the [RETURN] key to return to the RADF adjustment menu screen. |

4. Centering adjustment

⚠ Centering adjustment on RADF in feed direction is done in the following procedures.

Select the [9. RADF adj.] from the 36 mode menu screen to display the timing adjustment menu screen. Select the [4. Centring adj.] from this screen to display the centering adjustment screen.

You can select the following adjustment from the [NEXT] and [BACK] keys.

- Centering adjustment --- RADF (single side).
- Centering adjustment --- RADF (double side (first side)).
- Centering adjustment --- RADF (double side (second side)).

| Step | Operation procedure |
|------|---|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [9. RADF adj.] key. |
| 3 | [RADF adjustment menu screen] Press the [4. Centring adj.] key. |
| 4 | [Centering adjustment screen] Press the [NEXT] key until the desired item appears in the message display area. |
| 5 | Press the [COPY] key. |
| 6 | [Basic screen] Set the ADF adjustment chart on RADF, then select A3 or 11 x 17 for the copy paper. Then, press the start button to make copies. * When the RADF (double side (second side)) is selected, make copies from double side - single side mode, and use the second for the adjustment. |
| 7 | Compare skew of the copy against that of the original. Standard value: -3 mm maximum. |
| 8 | Press the # button while depressing the * button to return to the centering adjustment screen. |
| 9 | [Centering adjustment screen] If the skew volume does not conform to the standard value, enter a desired value from the numeric keys, then press the [SET] key to validate it. Input range: -74 (in the front side direction of the center line) through 00 (in the back side direction of the center line) up to +74 (increase) 1 step = 0.04 mm |
| 10 | Repeat above steps 5 to 9 until the skew meets the standard value. |
| 11 | You can proceed to adjustment of another item from the [NEXT] and [BACK] keys. |
| 12 | Press the [RETURN] key to return to the RADF adjustment menu screen. |

5. RADF scanning density adjustment

Whenever the slit glass is replaced, its density in reading an original must be adjusted in the following manner.

Note 1: Before starting this operation, every adjustment must be completed for the scanner's mechanical, optical and electric system.

Note 2: Make sure that the slit glass must be cleaned.

Note 3: Make sure that the white chart is not stained or folded.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [9. RADF adj.] key. |
| 3 | [RADF adjustment menu screen] Press the [5. RADF Scan density adj.] key. |
| 4 | [RADF scanner density adjustment screen] Set the white chart on RADF (Note 1). |
| 5 | Press the [START] key. |
| 6 | Make sure that the message Completed is indicated in the message display area. |
| 7 | If the message Error appears in the message display area, repeat above steps 4 and 5 (Note 2). |
| 8 | Press the [RETURN] key to return to the RADF adjustment menu screen. |

Note 1: Be sure to set the white chart in A4 direction. If it is set in A4R direction, appropriate adjustment is not available.

Note 2: If "ERROR" is displayed repeatedly, there is a possibility of a defect in the adjustment of the scanner machine, optics, or electric-related parts.



[11] FNS Adjustment

Positional adjustment of the finisher alignment plate is done in the following procedures. This adjustment is required when papers exited from the finisher are irregular in size.

1. FNS alignment plate position adjustment (back side)
2. FNS alignment plate position adjustment (front side)

Adjustment is done for each of the following paper sizes.

- 11 x 17 (8.5 x 11)
- A3 (A4)
- B4 (B5)
- 8.5 x 14 (8.5 x 11R, 5.5 x 8.5R)
- A4R (A5)
- B5R
- 5.5 x 8.5R
- A5R
- F4
- 8K
- 16K
- 16KR

| Step | Operation procedure |
|------|--|
| 1 | Enter the 36 mode. |
| 2 | [36 mode menu screen] Press the [10. FNS adj.] key. |
| 3 | [FNS adjustment menu screen] Press the key corresponding to the matching plate to be adjusted. |
| 4 | [FNS matching plate position adjustment screen] Press the [SET] key until the target paper size of the adjustment is displayed at top of the numeric keys. |
| 5 | Enter desired value from the numeric keys on the screen, then press the [SET] key to validate your entry. |
| 6 | Press the [COPY] key to display the Basic Screen, then make test copies from this screen. |
| 7 | Press the # button while depressing the * button to return to the FNS adjustment screen. |
| 8 | [FNS adjustment screen] When the output does not conform to the standard value, enter an adjusting value from the numeric keys, then press the [SET] key to validate your entry. Input range: —10 to +10 1 step = 0.2 mm |
| 9 | When proceeding to adjustment of another paper size, select it from the [NEXT] and [BACK] keys, then implement necessary adjustment repeating above steps 4 to 7. When the adjustment is complete, press the |
| 10 | [RETURN] key to return to the FNS adjustment menu screen. |



| | |
|------------------------|------------|
| Management list | P.1 |
|------------------------|------------|

[Description Items]

- Serial number indication.
- ROM version indication.
Version of flash ROMs.
- Copy count (data collection 1).
Total count and count during the specified period by mode.
- Checking counters.
- Copy count by paper size (data collection 2).
Total count and count during the specified period by paper size.

Management list

Number of page

Machine name
Machine information

Serial number

ROM version

Copy count
(Scanner system)

Copy count
(Printer system)

Communication
count

Counter check

Copy count of each
paper size

| Management list | | | | P.1 08/06/2000 18:47 29E0001 T0:9158 ROM Ver.00 000e | |
|-------------------------------|------------------|-----------------|------------------|--|--------|
| Machine Name:7020 | | | | | |
| Machine information | | | | | |
| DESTINATION | EJ | Date count data | 06/12/1999 16:46 | | |
| Total count | Start date | TOTAL COUNT | 9158 | | |
| Fax number | | | | | |
| Serial number | | | | | |
| Main body | 29E0001 | Option trav | 19000007 | | |
| RAOF | 19L0002 | Finisher | 02 0 | | |
| Printer | | Fax control | 19F00005 | | |
| ROM version | | | | | |
| System control | 00 003e 0411 801 | Finisher | 15 | 810 | |
| Inside control | 22 | Printer | 02 | 0 | |
| Panel | 91 | Fax control | 11 | 0000 | |
| Optical control | 55 811 | | | | |
| RAOF | | | | | |
| Scan Count | | | | | |
| Item | | TOTAL COUNT | By period | | |
| ADF mode | | 3466 | 3466 | | |
| RAOF mode | | 1169 | 1169 | | |
| Mixed or i-line ADF mode | | 18 | 18 | | |
| Mixed or i-line RAOF mode | | - | - | | |
| Print Count | | | | | |
| Item | | TOTAL COUNT | By period | | |
| Total copy count | | 6296 | 6296 | | |
| Print count | | 592 | 592 | | |
| Fax count | | 328 | 328 | | |
| Comm Count | | | | | |
| Item | | TOTAL COUNT | - | | |
| FAX Tx count | | 148 | - | | |
| Total pages sent | | 171 | - | | |
| FAX Rx count | | 76 | - | | |
| Total pages received | | 84 | - | | |
| Count | | | | | |
| Item | | Setting | | | |
| PM COUNT/CYCLE setting | | 3957 / 100000 | 18/01/2000 | | |
| DRUM COUNT | | | 8012 | | |
| DEVELOPMENT COUNT | | | 8012 | | |
| Fixing unit counter | | | 7476 | | |
| Copy count of each paper size | | | | | |
| Paper size | Total | Period | Paper size | Total | Period |
| A3 | 875 | 875 | B4 | 119 | 119 |
| A4 | 6906 | 6906 | B5 | 172 | 172 |
| A5 | 59 | 59 | F4 | - | - |
| Special | 25 | 25 | | | |

Output date, main body serial number, and total copy count, ROM version

1

Management list

P.2

[Description Items]

(Printed only when the FAX or printer option is installed.)

- Print count for each paper size
- FAX count for each paper size

* The machine management list page Nos. differ according to the option installation condition, and so on.

Management list

Number of page (*)

Print count for each paper size

FAX count for each paper size

Output date, main body serial number, and total copy count, ROM version

| Management list | | | | | | P.2 | |
|--------------------------------|-------|--------|------------|-------|--------|------------------|--|
| | | | | | | 08/05/2000 19:47 | |
| | | | | | | 294E0001 | |
| | | | | | | TC:2153 | |
| | | | | | | ROM Ver.00 000e | |
| Print count of each paper size | | | | | | | |
| Paper size | Total | Period | Paper size | Total | Period | | |
| A3 | 6 | 6 | B4 | - | - | | |
| A4 | 328 | 328 | B5 | - | - | | |
| A5 | 1 | 1 | F4 | - | - | | |
| Special | - | - | | | | | |
| Fax count of each paper size | | | | | | | |
| Paper size | Total | Period | Paper size | Total | Period | | |
| A3 | 115 | 115 | B4 | - | - | | |
| A4 | 147 | 147 | B5 | - | - | | |
| A5 | - | - | F4 | - | - | | |
| Special | - | - | | | | | |



Management list **P.3**

[Description Items]

- F code count (data collection 4).
Total count and count during the specified periods.
- JAM code count (data collection 2).
Total count and count during the specified period.

Management list Number of page

F code count

JAM code count

| Management list | | | | | | | | | | | |
|-------------------------------|---------|-------|--------|-----|---------|-------|--------|-----|---------|------------------|--------|
| | | | | | | | | | | P.3 | |
| | | | | | | | | | | 08/05/2003 18:47 | |
| | | | | | | | | | | 28E03001 | |
| | | | | | | | | | | TC:9160 | |
| | | | | | | | | | | ROM Ver.00 003e | |
| Total Service calls by F code | | | | | | | | | | | |
| No. | SC code | Total | Period | No. | SC code | Total | Period | No. | SC code | Total | Period |
| 001 | F10-01 | - | - | 002 | F10-02 | - | - | 003 | F10-09 | - | - |
| 004 | F18-01 | - | - | 005 | F18-02 | - | - | 006 | F18-03 | - | - |
| 007 | F18-04 | - | - | 008 | F28-01 | 1 | 1 | 009 | F28-01 | - | - |
| 010 | F28-02 | - | - | 011 | F28-03 | - | - | 012 | F28-01 | - | - |
| 013 | F34-02 | - | - | 014 | F36-01 | - | - | 015 | F36-02 | - | - |
| 016 | F36-03 | - | - | 017 | F36-04 | 1 | 1 | 018 | F36-05 | - | - |
| 019 | F36-06 | - | - | 020 | F36-07 | - | - | 021 | F36-08 | - | - |
| 022 | F36-09 | - | - | 023 | F36-10 | - | - | 024 | F36-01 | - | - |
| 025 | F36-02 | 1 | 1 | 026 | F36-03 | - | - | 027 | F37-01 | - | - |
| 028 | F40-01 | - | - | 029 | F40-03 | - | - | 030 | F41-01 | 4 | 4 |
| 031 | F46-01 | - | - | 032 | F46-08 | - | - | 033 | F46-10 | - | - |
| 034 | F46-11 | 5 | 5 | 035 | F49-02 | - | - | 036 | F49-04 | - | - |
| 037 | F49-06 | - | - | 038 | F51-04 | - | - | 039 | F51-05 | - | - |
| 040 | F51-06 | 14 | 14 | 041 | F52-01 | - | - | 042 | F52-02 | - | - |
| 043 | E56-01 | - | - | 044 | E56-02 | 1 | 1 | 045 | E56-03 | - | - |
| 046 | E56-04 | - | - | 047 | E56-05 | - | - | 048 | E56-06 | - | - |
| 049 | E56-07 | - | - | 050 | E56-08 | - | - | 051 | E56-09 | - | - |
| 052 | E56-10 | - | - | 053 | F56-11 | - | - | 054 | F60-01 | - | - |
| 055 | F60-03 | - | - | 056 | F60-11 | - | - | 057 | F67-03 | - | - |
| 058 | F70-01 | - | - | 059 | F70-03 | - | - | 060 | F70-11 | 1 | 1 |
| 061 | F77-02 | - | - | 062 | F77-03 | - | - | 063 | F77-05 | - | - |
| 064 | F77-06 | - | - | 065 | F77-11 | - | - | 066 | F77-16 | - | - |
| 067 | F80-01 | - | - | 068 | F80-02 | - | - | 069 | F80-03 | - | - |
| 070 | F80-04 | - | - | 071 | F80-05 | - | - | 072 | F81-01 | - | - |
| 073 | F81-02 | - | - | 074 | F81-03 | - | - | 075 | F88-01 | - | - |
| 076 | E89-01 | 3 | 3 | 077 | E89-02 | - | - | 078 | E89-03 | - | - |
| 079 | E89-04 | - | - | 080 | E89-06 | - | - | 081 | E89-06 | 3 | 3 |
| 082 | E97-01 | - | - | 083 | F92-05 | - | - | 084 | F92-02 | - | - |
| 085 | F96-03 | - | - | 086 | E96-04 | 1 | 1 | 087 | F96-06 | - | - |
| 088 | E96-08 | 2 | 2 | 089 | E96-09 | 1 | 1 | 090 | E96-00 | 57 | 57 |
| 091 | E96-01 | 12 | 12 | 092 | E96-10 | - | - | 093 | E96-10 | - | - |
| 094 | F22-01 | - | - | 095 | F22-01 | - | - | 096 | F28-02 | - | - |
| 097 | F28-03 | 15 | 15 | 098 | F28-04 | 7 | 7 | 099 | F49-01 | - | - |
| 100 | F52-03 | 10 | 10 | | | | | | | | |

| Total Jams by section | | | | | | | | | | | |
|-----------------------|--------|-------|--------|-----|--------|-------|--------|-----|--------|-------|--------|
| No. | J code | Total | Period | No. | J code | Total | Period | No. | J code | Total | Period |
| 001 | J10-00 | 6 | 6 | 002 | J11-00 | - | - | 003 | J12-00 | - | - |
| 004 | J15-00 | 1 | 1 | 005 | J14-00 | 1 | 1 | 006 | J15-00 | 2 | 2 |
| 007 | - | - | - | 008 | - | - | - | 009 | - | - | - |
| 010 | J30-00 | 43 | 43 | 011 | J31-00 | 1 | 1 | 012 | J32-00 | 3 | 3 |
| 013 | - | - | - | 014 | J32-00 | - | - | 015 | J32-02 | 3 | 3 |
| 016 | J39-00 | 1 | 1 | 017 | - | - | - | 018 | J37-02 | 8 | 8 |
| 019 | - | - | - | 020 | J37-01 | 2 | 2 | 021 | J37-02 | 8 | 8 |
| 022 | J32-00 | - | - | 023 | - | - | - | 024 | - | - | - |
| 025 | J31-00 | - | - | 026 | J31-01 | - | - | 027 | J32-00 | 4 | 4 |
| 028 | J32-01 | - | - | 029 | J32-02 | - | - | 030 | J32-03 | 2 | 2 |
| 031 | J32-04 | - | - | 032 | J32-05 | - | - | 033 | J33-00 | 2 | 2 |
| 034 | J33-01 | - | - | 035 | J33-02 | - | - | 036 | J33-03 | - | - |
| 037 | J33-04 | 1 | 1 | 038 | J33-05 | - | - | 039 | J33-06 | - | - |
| 040 | J33-07 | - | - | 041 | - | - | - | 042 | - | - | - |
| 043 | J72-16 | 1 | 1 | 044 | J72-17 | 3 | 3 | 045 | J72-19 | - | - |
| 046 | J72-21 | - | - | 047 | J72-23 | - | - | 048 | J72-61 | - | - |
| 049 | - | - | - | | | | | | | | |

Output date, main body serial number, and total copy count, ROM version



Management list

P.4

[Description Items]

- Latest SC (F/E code) history.

List information about the last 50 service calls (F/E codes). For each call, indicates the following: date and time of occurrence, error code, total copy count, and ROM version.

Management list

Number of page

Management list

P.4

08/05/2000 18:48
28E0001
10:5161
ROM Ver.00 000e

Output date, main body serial number, and total copy count, ROM version

Latest SC history

History of SC

| No. | Date | Err code | Total | System | Inase | RDF | Finisher | Printer | Fax control |
|-----|----------------|----------|-------|--------|-------|---------|----------|---------|-------------|
| 01 | 00/02/24 20:59 | F51-06 | 8712 | 00 | 19-01 | 12- B11 | 12- B10 | 02-0 | 0A |
| 02 | 00/02/24 21:21 | F51-06 | 8728 | 00 | 19-01 | 12- B11 | 12- B10 | 02-0 | 0A |
| 03 | 00/02/24 21:52 | F51-16 | 8723 | 00 | 19-01 | 12- B11 | 12- B10 | 02-0 | 0A |
| 04 | 00/02/28 08:30 | F46-11 | 8760 | 00 | 19-01 | 12- B11 | 12- B10 | 02-0 | 0A |
| 05 | 00/02/28 08:30 | F46-11 | 8760 | 00 | 19-01 | 12- B11 | 12- B10 | 02-0 | 0A |
| 06 | 00/02/28 08:32 | F46-11 | 8760 | 00 | 19-01 | 12- B11 | 12- B10 | 02-0 | 0A |
| 07 | 00/02/28 08:33 | F46-11 | 8760 | 00 | 19-01 | 12 | 12- B10 | 02-0 | 0A |
| 08 | 00/02/28 08:38 | F46-11 | 8760 | 00 | 19-01 | 12 | 12- B10 | 02-0 | 0A |
| 09 | 00/03/27 12:07 | E96-90 | 8798 | 00 | 14-00 | 12- B11 | | 02-0 | 0A |
| 10 | 00/03/27 19:56 | E96-90 | 8798 | 00 | 18-08 | 12- B11 | | 02-0 | 11-1000 |
| 11 | 00/03/28 18:49 | E96-90 | 8812 | 00 | 18-08 | 12- B11 | | 02-0 | 11-1000 |
| 12 | 00/03/29 15:57 | E96-90 | 8814 | 00 | 18-08 | 12- B11 | | 02-0 | 11-1000 |
| 13 | 00/03/30 10:02 | E96-90 | 8814 | 00 | 18-08 | 12- B11 | | 02-0 | 11-1000 |
| 14 | 00/03/30 17:29 | E96-90 | 8814 | 00 | 18-08 | 12- B11 | | 02-0 | 11-1000 |
| 15 | 00/04/10 19:56 | E96-90 | 8826 | 00 | 18-08 | 12- B11 | | 02-0 | 11-1000 |
| 16 | 00/04/10 14:47 | E96-90 | 8826 | 00 | 18-08 | 12- B11 | | 02-0 | 11-1000 |
| 17 | 00/04/11 20:21 | E96-90 | 8828 | 00 | 18-08 | 14- B11 | | 02-0 | 11-1000 |
| 18 | 00/04/11 20:27 | E96-90 | 8828 | 00 | 18-08 | | | 02-0 | 11-1000 |
| 19 | 00/04/11 21:21 | E96-90 | 8828 | 00 | 22- | | | 02-0 | 11-1000 |
| 20 | 00/04/11 21:22 | E96-90 | 8828 | 00 | 22- | | | 02-0 | 11-1000 |
| 21 | 00/04/11 21:24 | E96-90 | 8828 | 00 | 22- | | | 02-0 | 11-1000 |
| 22 | 00/04/11 21:25 | E96-90 | 8828 | 00 | 22- | | | 02-0 | 11-1000 |
| 23 | 00/04/11 21:26 | E96-90 | 8828 | 00 | 22- | | | 02-0 | 11-1000 |
| 24 | 00/04/11 21:28 | E96-90 | 8828 | 00 | 22- | | | 02-0 | 11-1000 |
| 25 | 00/04/12 08:23 | E96-90 | 8838 | 00 | 22- | | | 02-0 | 11-1000 |
| 26 | 00/04/12 08:34 | E96-90 | 8838 | 00 | 22- | | | 02-0 | 11-1000 |
| 27 | 00/04/12 08:42 | E96-90 | 8838 | 00 | 22- | | | 02-0 | 11-1000 |
| 28 | 00/04/12 10:08 | E96-90 | 8840 | 00 | 22- | | | 02-0 | 11-1000 |
| 29 | 00/04/12 14:27 | E96-90 | 8840 | 00 | 22- | | | 02-0 | 11-1000 |
| 30 | 00/04/12 16:54 | E96-90 | 8840 | 00 | 22- | | 15- B10 | 02-0 | 11-1000 |
| 31 | 00/04/12 16:57 | E96-90 | 8840 | 00 | 22- | | 15- B10 | 02-0 | 11-1000 |
| 32 | 00/04/12 17:01 | E96-90 | 8840 | 00 | 22- | | 15- B10 | 02-0 | 11-1000 |
| 33 | 00/04/13 08:31 | E96-90 | 8840 | 00 | 22- | | 15- B10 | 02-0 | 11-1000 |
| 34 | 00/04/13 08:32 | E96-90 | 8840 | 00 | 22- | | 15- B10 | 02-0 | 11-1000 |
| 35 | 00/04/13 08:42 | E96-90 | 8840 | 00 | 22- | | 15- B10 | 02-0 | 11-1000 |
| 36 | 00/04/15 15:29 | E96-90 | 8853 | 00 | 22- | 19- B11 | | 04 | 11-1000 |
| 37 | 00/04/17 12:57 | E96-90 | 8853 | 00 | 22- | 19- B11 | | 04 | 11-1000 |
| 38 | 00/04/18 07:44 | E96-90 | 8863 | 00 | 22- | 19- B11 | | 02-0 | 11-1000 |
| 39 | 00/04/18 14:24 | E96-90 | 8863 | 00 | 22- | 19- B11 | | 02-0 | 11-1000 |
| 40 | 00/04/18 07:47 | E96-90 | 8868 | 00 | 22- | 19- B11 | | 02-0 | 11-1000 |
| 41 | 00/04/20 15:22 | E96-90 | 8860 | 00 | 22- | 19- B11 | | 02-0 | 11-1000 |
| 42 | 00/04/20 18:24 | E96-90 | 8860 | 00 | 22- | 19- B11 | | 02-0 | 11-1000 |
| 43 | 00/04/21 15:13 | E96-90 | 9068 | 00 | 22- | 19- B11 | 15- B10 | 02-0 | 11-1000 |
| 44 | 00/04/21 15:14 | E96-90 | 9068 | 00 | 22- | 19- B11 | 15- B10 | 02-0 | 11-1000 |
| 45 | 00/04/26 10:11 | E96-90 | 9067 | 00 | 22- | 19- B11 | 15- B10 | 02-0 | 11-1000 |
| 46 | 00/04/26 12:04 | E96-90 | 9078 | 00 | 22- | 19- B11 | 15- B10 | 02-0 | 11-1000 |
| 47 | 00/04/26 14:01 | E96-90 | 9158 | 00 | 22- | 19- B11 | 15- B10 | 02-0 | 11-1000 |
| 48 | 00/05/01 15:07 | E96-90 | 9158 | 00 | 22- | 19- B11 | 15- B10 | 02-0 | 11-1000 |
| 49 | 00/05/08 10:16 | E96-90 | 9158 | 00 | 22- | 19- B11 | 15- B10 | 02-0 | 11-1000 |
| 50 | 00/05/08 19:45 | E96-90 | 9158 | 00 | 22- | 19 | 15- B10 | 02-0 | 11-1000 |



| | |
|------------------------|------------|
| Management list | P.5 |
|------------------------|------------|

[Description Items]

- Latest JAM history.

The latest 100 jams are listed with the information on the date occurred, respective JAM codes, total copy count, and tray and paper sizes.

| | |
|------------------------|------------|
| Management list | P.5 |
|------------------------|------------|

Number of page

Latest JAM history

| Management list | | | | | | | | | | | |
|---------------------|-------------|--------|-------|--------|---------|-----|-------------|--------|-------|--------|---------|
| History of 100 jams | | | | | | | | | | | |
| No. | Date | J code | Total | Tray | P. size | No. | Date | J code | Total | Tray | P. size |
| 001 | 12/06 09:52 | J10-00 | 861 | Bypass | A4R | 002 | 12/15 18:30 | J30-00 | 1169 | TRAY1 | A4 |
| 002 | 12/16 09:38 | J62-00 | - | TRAY1 | A4 | 004 | 12/16 09:39 | J62-00 | - | TRAY1 | A4 |
| 005 | 12/16 09:40 | J62-00 | 4 | TRAY1 | A4 | 006 | 12/17 15:15 | J14-00 | 1622 | TRAY4 | A4 |
| 007 | 12/17 15:15 | J15-00 | 1622 | TRAYS | F4 | 008 | 12/17 15:26 | J30-00 | 1624 | TRAY1 | B5 |
| 008 | 12/20 16:40 | J30-00 | 1791 | TRAY2 | A4R | 010 | 12/24 08:28 | J62-02 | 1645 | TRAY4 | A3 |
| 011 | 12/24 15:43 | J30-00 | 1659 | TRAY2 | F4 | 012 | 12/27 10:04 | J30-00 | 1659 | TRAY1 | A5R |
| 013 | 12/27 12:52 | J67-01 | 1660 | TRAY4 | A3 | 014 | 12/27 16:30 | J30-00 | 3202 | TRAY2 | F4 |
| 015 | 12/27 16:31 | J30-00 | 3202 | TRAY2 | F4 | 016 | 12/27 16:31 | J30-00 | 3202 | TRAY1 | A4 |
| 017 | 12/27 16:48 | J30-00 | 3207 | TRAY2 | F4 | 018 | 12/27 16:49 | J30-00 | 3207 | TRAY2 | F4 |
| 019 | 12/27 16:50 | J30-00 | 3207 | TRAY2 | F4 | 020 | 12/28 12:57 | J72-17 | 3248 | TRAY2 | A3 |
| 021 | 12/28 14:29 | J62-02 | 3201 | TRAY1 | A4 | 022 | 12/28 16:29 | J30-00 | 4176 | TRAY2 | 5x8 1/2 |
| 023 | 12/28 16:38 | J30-00 | 4177 | TRAY2 | 5x8 1/2 | 024 | 12/28 16:39 | J30-00 | 4177 | TRAY2 | 5x8 1/2 |
| 025 | 01/06 19:34 | J30-00 | 4201 | TRAY2 | A4 | 026 | 01/06 19:39 | J30-00 | 4201 | TRAY2 | A4 |
| 027 | 01/07 12:19 | J30-00 | 4201 | TRAY2 | A4 | 028 | 01/07 12:35 | J30-00 | 4201 | TRAY2 | A4 |
| 029 | 01/07 14:03 | J30-00 | 4208 | TRAY4 | A4 | 030 | 01/07 14:04 | J30-00 | 4208 | TRAY4 | A4 |
| 031 | 01/07 14:03 | J30-00 | 4210 | TRAY4 | A4 | 032 | 01/07 19:55 | J63-04 | 2185 | | |
| 033 | 01/07 20:00 | J67-02 | 4225 | TRAY1 | A4 | 034 | 01/07 20:02 | J67-02 | 4225 | | |
| 035 | 01/07 20:06 | J62-03 | 2190 | | | 036 | 01/10 15:45 | J62-03 | 2249 | | |
| 037 | 01/11 07:57 | J67-02 | 4308 | TRAY1 | A4 | 038 | 01/11 13:54 | J30-00 | 4323 | TRAY2 | A4R |
| 039 | 01/11 13:56 | J30-00 | 4325 | TRAY4 | A4R | 040 | 01/11 13:59 | J30-00 | 4325 | TRAY4 | A4R |
| 041 | 01/18 15:46 | J30-00 | 5381 | TRAY2 | 8x11 | 042 | 01/18 15:47 | J72-16 | 5381 | TRAY1 | A4R |
| 043 | 01/18 16:05 | J30-00 | 5385 | TRAY4 | 8x11 | 044 | 01/18 16:05 | J30-00 | 5385 | TRAY1 | A4 |
| 045 | 01/18 16:33 | J30-00 | 5391 | TRAY4 | 8x11 | 046 | 01/18 16:45 | J30-00 | 5391 | TRAY4 | 8x11 |
| 047 | 01/18 19:01 | J30-00 | 5391 | TRAY4 | 8x11 | 048 | 01/18 19:01 | J30-00 | 5391 | TRAY4 | 8x11 |
| 049 | 01/19 08:58 | J30-00 | 5397 | TRAY2 | 5x8 1/2 | 050 | 01/19 09:08 | J30-00 | 5400 | TRAY2 | 5x8 1/2 |
| 051 | 01/19 12:33 | J67-01 | 5413 | TRAY4 | A3 | 052 | 01/19 16:32 | J62-02 | 5453 | TRAY1 | A4 |
| 053 | 01/19 16:30 | J67-02 | 5453 | TRAY1 | A4 | 054 | 01/19 16:15 | J72-17 | 5515 | TRAY1 | A4 |
| 055 | 01/19 18:16 | J72-17 | 5515 | TRAY1 | A4 | 056 | 01/25 14:17 | J30-00 | 5743 | TRAY2 | A4 |
| 057 | 01/25 14:19 | J30-00 | 5744 | TRAY2 | A4 | 058 | 01/27 14:45 | J62-00 | 3126 | TRAY1 | A4 |
| 059 | 01/31 16:12 | J30-00 | 5857 | TRAY4 | A5R | 060 | 02/05 10:12 | J30-00 | 5839 | TRAY2 | F4 |
| 061 | 02/05 10:31 | J30-00 | 5839 | TRAY2 | F4 | 062 | 02/05 15:56 | J30-00 | 5839 | TRAY4 | A4 |
| 063 | 02/04 10:19 | J30-00 | 5839 | TRAY4 | A4 | 064 | 02/10 10:04 | J30-00 | 5807 | TRAY4 | A4 |
| 065 | 02/10 14:04 | J10-00 | 6246 | Bypass | A3 | 066 | 02/10 14:04 | J10-00 | 6246 | Bypass | A3 |
| 067 | 02/10 14:05 | J10-00 | 6246 | Bypass | A3 | 068 | 02/10 14:05 | J10-00 | 6246 | Bypass | A3 |
| 069 | 02/10 14:06 | J10-00 | 6246 | Bypass | A3 | 070 | 02/24 08:36 | J67-02 | 8231 | TRAY1 | A4 |
| 071 | 02/24 08:41 | J67-02 | 8231 | TRAY1 | A4 | 072 | 02/24 17:51 | J63-00 | 4410 | TRAYS | A4R |
| 073 | 02/24 17:52 | J63-00 | 4411 | TRAYS | A4R | 074 | 02/28 09:39 | J31-00 | 8780 | TRAYS | A4R |
| 075 | 03/24 18:42 | J16-00 | 8792 | TRAYS | B4 | 076 | 04/17 12:56 | J30-00 | 8853 | TRAY2 | A4R |
| 077 | 04/17 13:37 | J30-00 | 8856 | TRAY2 | A4R | 078 | 04/17 13:46 | J30-00 | 8856 | TRAY2 | A4R |
| 079 | 04/18 10:31 | J16-00 | 8853 | TRAY1 | A4 | 080 | 04/18 14:27 | J67-02 | 8806 | TRAY1 | A4 |
| 081 | 04/21 14:11 | J67-02 | 9045 | TRAY1 | A4 | | | | | | |

P.5
06/05/2000 19:48
26NE0001
TC:3162
ROM Ver.00 D05e

Output date, main body serial number, and total copy count, ROM version



| | |
|------------------------|------------|
| Management list | P.6 |
|------------------------|------------|

[Description Items]

- Copy count by arbitrarily replacement parts.
Part name, part number, copy count and limit count of each parts.

Management list

Copy count of each parts (parts to be replaced (named arbitrarily))

Management list

Number of page
P.6

08/05/2000 18:49
294E0001
TC:9163
ROM Ver.00.000e

Count of Parts(Named)

| No. | Parts name | Parts no | Total copy count | Limit count |
|-----|-------------------|----------|------------------|-------------|
| 01 | | | 9163 | - |
| 02 | | | 9163 | - |
| 03 | | | 9163 | - |
| 04 | | | 9163 | - |
| 05 | | | 9163 | - |
| 06 | | | 9163 | - |
| 07 | | | 9163 | - |
| 08 | | | 9163 | - |
| 09 | | | 9163 | - |
| 10 | | | 9163 | - |
| 11 | | | 9163 | - |
| 12 | | | 9163 | - |
| 13 | | | 9163 | - |
| 14 | | | 9163 | - |
| 15 | | | 9163 | - |
| 16 | | | 9163 | - |
| 17 | | | 9163 | - |
| 18 | | | 9163 | - |
| 19 | | | 9163 | - |
| 20 | | | 9163 | - |
| 21 | Bypass paper feed | | 50 | - |
| 22 | Tray 1 | | 5144 | - |
| 23 | Tray 2 | | 605 | - |
| 24 | Tray 3 | | 494 | - |
| 25 | Tray 4 | | 220 | - |
| 26 | ADF | | 2297 | - |
| 27 | Main body exit | | 8912 | - |
| 28 | ADF | | 5333 | - |
| 29 | ADF | | 5333 | - |
| 30 | ADF | | 5333 | - |

Output date, main body serial number, and total copy count, ROM version



| | |
|------------------------|------------|
| Management list | P.7 |
|------------------------|------------|

[Description Items]

- Copy count by fixed replacement part.
Part name, part number, copy count and limit count of each unit.

Management list

Number of page

Copy count by fixed replacement part

| Management list | | | | | |
|-----------------------|------------------|----------|------------------|-------------|--|
| Count of parts(Fixed) | | | | | P.7 |
| Unit name | Parts name | Parts no | Total copy count | Limit count | 08/05/2000 18:49 29N10001 TC:9154 ROM Ver.00 008e |
| DC | Drum | | 9184 | 20000 | |
| | CL Blade unit | 29N-203K | 9184 | 20000 | |
| | Drum unit | 29N-990K | 9184 | 60000 | |
| Tran/sap | Tran/sap co unit | 29N-260K | 9184 | 40000 | |
| Development unit | Developer | | 9184 | 20000 | |
| | Development unit | 29N-900K | 9184 | 80000 | |
| Main body | Ozone filter | 29N1017K | 9184 | 20000 | |
| Main Feed | T1:Feed rubber | 29N4003K | 5103 | 20000 | |
| | T1:DFPV rubber/U | 29N4011K | 5103 | 20000 | |
| | T1:DFPV rubber/L | 29N4012K | 5103 | 20000 | |
| | T2:Feed rubber | 29N4003K | 575 | 20000 | |
| | T2:DFPV rubber/U | 29N4011K | 575 | 20000 | |
| | T2:DFPV rubber/L | 29N4012K | 575 | 20000 | |
| D8 Feed | T3:Feed rubber | 29N4003K | 489 | 20000 | |
| | T3:DFPV rubber/U | 29N4011K | 489 | 20000 | |
| | T3:DFPV rubber/L | 29N4012K | 489 | 20000 | |
| | T4:Feed rubber | 29N4003K | 202 | 20000 | |
| | T4:DFPV rubber/U | 29N4011K | 202 | 20000 | |
| | T4:DFPV rubber/L | 29N4012K | 202 | 20000 | |
| Bypass unit | BP:Reverse R | 40A-405K | 544 | 30000 | |
| | BP:Pick-up R | 29N-425K | 544 | 30000 | |
| | BP:conveyance R | 40A-425K | 544 | 30000 | |
| Heater unit | Fix heat roller | 29N5303K | 9184 | 10000 | |
| | Fix pressure R | 29N5304K | 9184 | 10000 | |
| | Fixing web | 29N5305K | 9184 | 10000 | |
| | Insulat Sleeve/A | 29N5372K | 9184 | 10000 | |
| | Insulat Sleeve/B | 29N5373K | 9184 | 10000 | |
| | Fixing cleaner R | 29N5383K | 9184 | 10000 | |
| | Cleaner unit | 29N-540K | 9184 | 10000 | |
| | Fixing claw | 29N5306K | 9184 | 20000 | |
| | Fix shaft HD/U | 29N5371K | 9184 | 20000 | |
| | Fix shaft HD/L | 29N5369K | 9184 | 20000 | |
| | Fixing sensor | 29N5881K | 9184 | 40000 | |
| | Thermostat | 29N-155K | 9184 | 40000 | |
| | Fixing heater/1 | 26E3302K | 9184 | 40000 | |
| | Fixing heater/2 | 26E3303K | 9184 | 40000 | |
| DF-914 | DF:Feed roller/A | 13L4011K | 4067 | 25000 | |
| | DF:DFPV roller/A | 13L-403K | 4067 | 25000 | |
| FS-107 | FS:Exit roller/A | 13Q4518K | 5450 | 60000 | |

Output date, main body serial number, and total copy count, ROM version



| | |
|------------------------|------------|
| Management list | P.8 |
|------------------------|------------|

[Description Items]

- Count by the copy mode (data collection 3).

| | |
|------------------------|-----------------------|
| Management list | Number of page |
|------------------------|-----------------------|

Count by the copy mode

| Management list | | | |
|--|--------|---|--------|
| Item | Pastes | Item | Pastes |
| Total copy by mode | | | |
| Num. of copies in 1-1 mode | 1689 | Num. of copies in 2-2 mode(RADF) | 1370 |
| Num. of copies in 2-1 mode(RADF) | 92 | Num. of copies in 1-2 mode(RADF) | 2270 |
| Num. of copies in 1-1 mode(RADF) | 2206 | Num. of copies in sort | 1268 |
| Num. of copies in staplersort | 1041 | Num. Of stapling operations | 175 |
| Num. of copies in group | 24 | Num. of copies in fixed MR of 1.41/2.00 | 2 |
| Num. of copies in 1:1 magnification | 5863 | Num. of copies in fixed MR of 1.15/1.29 | - |
| Num. of copies in fixed MR of 1.22/1.55 | - | Num. of copies in fixed MR of 0.82/0.65 | - |
| Num. of copies in fixed MR of 0.86/0.77 | - | Num. of copies in arbitrary zoom | 8 |
| Num. of copies in fixed MR of 0.71/0.50 | - | Num. of copies in maximum MR | 1 |
| Num. of copies in zoom MR func. | 1328 | Num. of copies in AMS mode | 1572 |
| Num. of copies in minimum MR | 1 | Num. of copies in AE mode | 6511 |
| Num. of copies in APS mode | 4884 | Num. of copies in bypass feed mode | 626 |
| Num. of copies in interrupt mode | - | Num. of copies in frame erase mode | 2 |
| Num. of copies in book copy mode | 22 | Num. of copies in 1:1 image shift mode | 1306 |
| Num. of copies in fold erase mode | 2 | Num. of feeds in sheet ins. Mode | - |
| Num. of copies in red. image shift mode | - | Num. of feeds in OHP mode(Blank Sheet) | 1 |
| Num. of feeds in mixed original mode | - | Num. Of times the Job memory mode | 1 |
| Num. Of times the low power mode was used | 400 | Num. Of copy when the set Q'ty is 1 | 1115 |
| Num. Of copy when the set Q'ty is 2 to 5 | 244 | Num. Of copy when the set Q'ty is 6 to 10 | 67 |
| Num. Of copy when the set Q'ty is 11 or more | 78 | Num. Of copy when the sheet ins. Mode | - |
| Num. of copies in platen memory mode | 794 | Num. of copies in photo enhance mode | 1 |
| Num. of copies in text/photo enhance mode | 8272 | Num. of copies in h./V. zoom mode | - |
| Num. of copies in user density mode | - | Num. of copies in Proof Copy mode | - |
| Num. of copies in image insert mode | 6 | Num. of copies in text enhance mode | 1 |
| Num. of copies in combination mode | 9 | Num. of copies in OHP mode(Copy Sheet) | - |
| Num. of copies in reverse image mode | 3 | Num. of copies in chapter mode | 12 |
| Num. of copies in increase contrast mode | 1 | Num. of copies in repeat image mode | 13 |
| Num. of copies from tray1 | 6226 | Num. of copies in non-image area erase mode | 93 |
| Num. of copies from tray3 | 623 | Num. of copies in auto layout mode | 20 |
| Num. of staple 1 in FNS | 100 | Num. of copies in rotation | 40 |
| Num. of copies in booklet mode | 4 | Num. of copies from tray2 | 584 |
| No. Of copies in folded original mode | 5 | Num. of copies from tray4 | 214 |
| Num. Of copies in stamp mode | 832 | Num. of staple 2 in FNS | 174 |
| | | No. Of feeds in OHP mode(Normal) | - |
| | | No. Of copies in Non-standard original mode | - |
| | | Num. Of copies in flip side 2 mode | 18 |

P.8
08/05/2000 18:49
28NE0001
TC:9165
ROM Ver.,00 003e

Output date, main body serial number, and total copy count, ROM version



Management list **P.9**

[Description Items]

- Adjusting values (36 mode).

Default values and setting values of the High voltage adjustment, vertical/horizontal magnification adjustment, restart adjustment, paper feed loop amount adjustment, leading edge original erasure adjustment, centering adjustment and image read point adjustment.

* Adjustment list Page1

Management list

Number of page

High voltage adjustment

Horizontal/vertical magnification adjustment

Restart timing adjustment

Paper feed loop amount adjustment

Leading edge original erasure adjustment

Centering adjustment

Image read point adjustment

Management list

P.9

08/05/2000 18:50

28E00001

T03186

ROM Ver.00.0036

| Management list | | | | | |
|------------------------------------|---------|---------|------------------------|---------|---------|
| Item | Default | Setting | Item | Default | Setting |
| Adjust(36) HV adjustent | | | | | |
| Charge Separation AC | 067 | 070 | Transfer Separation DC | 038 | 038 |
| Charge Grid voltage | 136 | 136 | Bias of development | 055 | 055 |
| L. detection adjust | 088 | 088 | | 073 | 073 |
| | 255 | 069 | | | |
| Drum clock adj. | | | | | |
| Item | Default | Setting | Item | Default | Setting |
| Printer | +008 | +008 | Platen | +000 | +000 |
| Scanner | +012 | +000 | RAUF (1side/100%) | +000 | +005 |
| RAUF (1side/50%) | +020 | +000 | RAUF (1side/400%) | +020 | +000 |
| RAUF (1side/200%) | +020 | +000 | RAUF (2side/100%) | -020 | -005 |
| RAUF (2side/50%) | +020 | +000 | RAUF (2side/400%) | +020 | +000 |
| Restart timing | | | | | |
| Item | Default | Setting | Item | Default | Setting |
| Enline Bypass | +070 | +100 | Enline Upper | +075 | +100 |
| Enline Lower | +072 | +100 | Enline DB1 | +075 | +100 |
| Enline DB2 | +000 | +100 | Enline ADU | +068 | +100 |
| RAUF (1side) | +012 | -008 | RAUF (2side-2) | -050 | -018 |
| RAUF (2side-1) | +013 | -008 | | | |
| Paper loop adj. | | | | | |
| Item | Default | Setting | Item | Default | Setting |
| Bypass/postcard | -044 | -044 | Bypass Thick paper | +004 | +004 |
| Enline Upper | +000 | +000 | Lower small | -080 | -080 |
| Lower large | -070 | -070 | DB upper (small) | -080 | -080 |
| DB upper (large) | -085 | -085 | DB lower | -060 | +060 |
| ADU | -080 | -080 | RAUF (1side) | +000 | +000 |
| Lead edge timing | | | | | |
| Item | Default | Setting | Item | Default | Setting |
| Lead edge timing | +002 | +002 | | | |
| Centring adj. | | | | | |
| Item | Default | Setting | Item | Default | Setting |
| Bypass/COMMON | +000 | +000 | Bypass/small size | +000 | +000 |
| Bypass/large size | +000 | +000 | Upper/COMMON | +000 | +000 |
| Upper small | +005 | +005 | Upper large | +005 | +005 |
| Lower/COMMON | +000 | +000 | Lower small | +000 | +000 |
| Lower large | +000 | +000 | DB Upper (00) | +000 | +000 |
| DB upper (small) | +000 | +000 | DB upper (large) | +000 | +000 |
| DB lower (00) | +000 | +000 | DB lower (small) | +000 | +000 |
| DB lower (large) | +000 | +000 | ADU(02) | +000 | +000 |
| ADU(small) | +005 | +005 | ADU(large) | +013 | +013 |
| Platen | +017 | +017 | | | |
| RAUF (1side) | -010 | -001 | RAUF (2side-2) | -010 | -001 |
| RAUF (2side-1) | -010 | -001 | | | |
| Read Point adj. | | | | | |
| Item | Default | Setting | Item | Default | Setting |
| Platen | -016 | -016 | RAUF | +000 | +000 |

Output date, main body serial number, and total copy count, ROM version



| | |
|------------------------|-------------|
| Management list | P.10 |
|------------------------|-------------|

[Description Items]

- FNS alignment plate adjustment (back side)
- FNS alignment plate adjustment (front side)

* Adjustment list page 2.

Management list

Number of page

↓

P.10

08/05/2000 18:50
299600001
TC9167
ROM Ver.00 003e

FNS alignment plate adjustment (back side) →

FNS alignment plate adjustment (front side) →

Management list

| FNS adj.FNS #side adj(BACK) | | | | | |
|-----------------------------|---------|---------|------------------------|---------|---------|
| Item | Default | Setting | Item | Default | Setting |
| 11x17 8.5x11 | +000 | +000 | A3 A4 | +000 | +001 |
| B4 B5 | +000 | +000 | 8.5x14 8.5x11R 5.5x8.5 | +000 | +000 |
| A4R A5 | +000 | +000 | B5R | +000 | +000 |
| 5.5x8.5R | +000 | +000 | A5R | +000 | +000 |
| F4 | +000 | +000 | BK | +000 | +000 |
| 16K | +000 | +000 | 16KR | +000 | +000 |

| FNS adj.FNS #side adj(FRONT) | | | | | |
|------------------------------|---------|---------|------------------------|---------|---------|
| Item | Default | Setting | Item | Default | Setting |
| 11x17 8.5x11 | +000 | +000 | A3 A4 | +000 | +001 |
| B4 B5 | +000 | +000 | 8.5x14 8.5x11R 5.5x8.5 | +000 | +000 |
| A4R A5 | +000 | +000 | B5R | +000 | +000 |
| 5.5x8.5R | +000 | +000 | A5R | +000 | +000 |
| F4 | +000 | +000 | BK | +000 | +000 |
| 16K | +000 | +000 | 16KR | +000 | +000 |

← Output date, main body serial number, and total copy count, ROM version



Management list **P.11**

[Description Items]

- Adjusting values. (25 mode)
Values to be selected for respective adjustment items.
- 25 mode software DIP SW setting.
Default values and current setting value of each DIP SW.

* Adjustment list page 3.

Management list

Number of page

P.11

| Adjust(25) | | Settings | |
|-------------------------------|------------------|----------|--|
| Item | | | |
| Key operator password set | 0000 | | |
| E.K.C. master key code set | 00000000 | | |
| Weekly timer master key set | 0000 | | |
| Service telephone number | | | |
| Calling mode-1 | 00/00/0000 00:00 | | |
| Calling mode-2 | monthly 00 00:00 | | |
| Calling mode-3 | 0 | | |
| Host Password1 | KR0S1 | | |
| Host Password2 | 00000 | | |
| Host Password3 | 00000 | | |
| KR0S telephone number (Copy) | 7 | | |
| KR0S telephone number (Host1) | 1 | | |
| KR0S telephone number (Host2) | | | |

| Software SW | | | | | | | | | | | | | | | | | | | |
|-------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|---|----|
| SW No. | Default | | | | | | Set | | | | | | | | | | | | |
| | Bit7 | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 | Bit7 | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 | HEX | | |
| 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | | 1 | 01 |
| 02 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 6C | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| 03 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 04 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2C | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 2F |
| 05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 02 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 02 |
| 06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 01 |
| 08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 06 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 06 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 15 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 16 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1A | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 12 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 20 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0F | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0F |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 04 |
| 23 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 2F | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3F |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 |

Output date, main body serial number, and total copy count, ROM version

02/05/2000 19:50
29E00001
TC:9188
ROM Ver.:00 033e



Management list

P.12

[Description Items]

- KRDS software DIP SW setting.
Default values and current setting value of each DIP SW.

* Adjustment list page 4.

Management list

Number of page

KRDS software
DIP SW setting

| Management list | | | | | | | | | | | | | | | | | | |
|----------------------|---------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|-----|
| KRDS software SW set | | | | | | | | | | | | | | | | | | |
| SW No. | Default | | | | | | | | HEX | Set | | | | | | | | HEX |
| | Bit7 | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 | | Bit7 | Bit6 | Bit5 | Bit4 | Bit3 | Bit2 | Bit1 | Bit0 | |
| 01 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 81 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 81 | |
| 02 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 81 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 81 | |
| 03 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 57 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 57 | |
| 04 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 10 | |
| 05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 | |
| 20 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1E | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1E | |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0E | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0E | |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0E | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0E | |
| 23 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0E | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0E | |
| 24 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | FF | 0 | 1 | 0 | 1 | 0 | 0 | 0 | FF | |
| 25 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 20 | |
| 26 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 40 | |
| 27 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0A | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0A | |
| 28 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 20 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 20 | |
| 29 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1E | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1E | |
| 30 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | FF | 1 | 1 | 1 | 1 | 1 | 1 | 1 | FF | |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0A | |
| 34 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 55 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 55 | |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 38 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 98 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 98 | |
| 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | |

P.12
08/05/2000 19:51
26NE00001
TC:9169
ROM Ver.00.003e

Output date, main body
serial number, and total
copy count, ROM version

Management list

P.13

[Description Items]

(Printed only when the FAX option is installed.)

Various FAX-related setting values

The listed items are the same as the serviceman parameter settings.

③ For details of the listed contents, refer to the FK-101/102 service handbook.

Management list

| Management list | | | |
|-------------------------|-----------|---|--------------|
| | | P.13 | |
| | | 08/05/2000 19:51 20E0001 10:5170 ROM Ver.00 003e | |
| Modem/NDJ | | | |
| Item | Setting | Item | Setting |
| V34send max.bit speed | 33600 bps | V34 Rx max.bit speed | 33600 bps |
| V34max_SMB speed | 3429 SYMB | V34control_OI speed | 3200 SYMB |
| V34SMB criterion (S/N) | 0 dB | V34SMB select(Distort) | 0 dB |
| V34 main OI speed | 0 dB | V17 Rx max_speed | V17-14400 |
| V17 send max_speed | V17-14400 | tone/protocol TxATT | -8 dBm |
| PIX TxATT | -8 dBm | OO/SED ON level | -48 dBm |
| OO/ANSan TxATT | -8 dBm | DIMF H-L difference | 2.0 dB |
| DIMF TxATT | -6 dB | Rx cable EDL | 0 dB |
| Tx cable EDL | 0 dB | | |
| Communication | | | |
| Item | Setting | Item | Setting |
| V34/V34 protocol | ON | V17 EP TONE | ON |
| Fax KDS protocol | OFF | T1 TIMER | 36 sec |
| V23 EP TONE | OFF | V34 Int'l com speed | 28800 bps |
| Int'l com function | ON | V23 Int'l com speed | 4800 bps |
| V17 Int'l com speed | 7200 bps | EDM function | ON |
| D15 for Int'l com | 1 | Coding ability | M/M/NR/MNR |
| Frame size on EDM send | 256 | OO-DIS DELAY TIMER | 80 ms |
| ANSan send time | 4.0 sec | PIX-HMG DELAY TIMER | 80 ms |
| DCP-PIX DELAY TIMER | 80 ms | OPR-PIX WAIT TIMER | 6.0 sec |
| EDL-EDL TIMER | 13.0 sec | JM WAIT TIMER | 5.0 sec |
| EDM-PIX WAIT TIMER | 5.0 sec | | |
| V17 Selection mode "--" | OFF | | |
| Network | | | |
| Item | Setting | Item | Setting |
| RCV signal detect mode | Number | RCV signal detect time | 6 sec |
| Pause time | 1 sec | Response waiting time | 55 sec |
| DC-LOOP check | OFF | Busy tone detection | OFF |
| No. of busy tones | 0 | 1800 Hz detection | OFF |
| Min.RING OFF time | 0 ms | | |
| List output mode | | | |
| Item | Setting | Item | Setting |
| Diag. code Journal | OFF | Transmission report | With issue |
| Protocol auto print | OFF | | |
| System | | | |
| Item | Setting | Item | Setting |
| Frame erasure HP | 5 mm | Book mode paste order | Tx L to R |
| Auto rotation Tx(BER) | OFF | Auto rotation Tx(LT) | ON |
| Auto rotation Tx(A4) | ON | Error paste re-send mode | Error paste |
| No. of redial(error) | 3 | Original scan mode | Non standard |
| Fax board watch dog | ON | Report auto output STOP | Valid |
| RCV/Print STOP | Valid | Error code display time | 20 sec |
| Fax BUI rewrite on ISH | OFF | PRINT R/O key counter | Not valid |
| Tx without key counter | Not valid | Relay communication | ON |
| Confidential com. | ON | | |
| Closed area Rx | ON | File Re-Tx | ON |
| Compulsory mem. | ON | Communication R/O Box | Error |
| Bundled Tx | ON | | |
| FAX File format | | | |
| Item | Setting | Item | Setting |
| Fax file size | 2 MB | | |

47 MODE

[1] 47 Mode Setting Method

1. 47 Mode

This mode provides self-diagnostic functions (input/output check function) to check and adjustment the various signals and loads.

Also, 47 mode has a multi mode — it is possible to check the multiple input/output using one input/output check code.

2. Operation method (to start 47 mode)

(1) 47 Mode startup

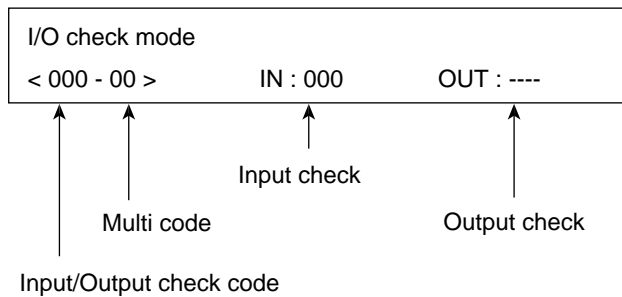
- a. Turn the SW2 (sub power) OFF when the SW1 (main power) remain ON.
- b. Turn the SW2 (sub power) ON while holding down 4 and 7 of the numeric keys. The 47 Mode Menu Screen will appear.

This is the 47 mode in which the normal copy operation becomes disabled.

47 mode menu screen



47 mode message display area



(2) Input check method

- a. Using the numeric keys, enter the code input for the desired signal (sensor, etc.) to check.
- b. When using the multi mode, press the * button and enter the multi code according to the desired input check item (signal) with the numeric keys.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 47 mode. |
| 2 | [47 mode menu screen] Using the numeric keys, enter the input check code (Note 1). |
| 3 | When using the multi mode, press the * button. |
| 4 | Using the numeric keys, enter the multi code (Note 1). |
| 5 | Input check result will appear in the input check result display area. |
| 6 | To check other signal input check, repeat steps 2 to 5. |

Note 1: Refer to "[5] Input check list".

(3) Output check method

- a. Using the numeric keys, enter the output check code for the desired output load to check.
- b. When using the multi mode, press the * button and enter the multi code according to the desired output check item (load).
- c. Press the [START] button to perform the output check.
- d. To end the output check, press the [STOP/CLEAR] button.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 47 mode. |
| 2 | [47 mode menu screen] Using the numeric keys, enter the output check code (Note 2). |
| 3 | When using the multi mode, press the * button. |
| 4 | Using the numeric keys, enter the multi code (Note 2). |
| 5 | Press the [START] button to perform the output check. |
| 6 | To end the output check, press the [STOP/CLEAR] button. |
| 7 | To make another output check, repeat steps 2 to 6. |

Note 2: Refer to "[6] Output check list".

(4) Exiting the 47 mode

Turn the SW2 (sub power) off to exit the 47 mode.

[2] Initial Setting in the Field

Each adjustment data is totally returned to the data value when the machine is shipped from the factory.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 47 mode. |
| 2 | [47 mode menu screen] Press "93" by means of the numeric keys. Check that "093-000" appears in the message display area. |
| 3 | Press the [START] button. Settings (adjustment) data is returned to the data value when the machine is delivered from the factory. |
| 4 | To end the setting, press the [STOP/CLEAR] button. |
| 5 | To end the 47 mode, turn the SW2 (sub power) OFF. |

 **[3] RADF Original Size Detection Adjustment**

This adjustment is done when RADF fails to correctly detect size of an original.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 47 mode. |
| 2 | [47 mode menu screen] Press [69] by means of the numeric keys. Check that "069-000" appears in the message display area. |
| 3 | Set the original guide plate to the minimum size (width) position, then press the [START] button. |
| 4 | Press the [STOP/CLEAR] button to end the operation. |
| 5 | Press the * button. |
| 6 | Enter [1] from the the numeric keys. Make sure that "069-001" is indicated in the message display area. |
| 7 | Set the original guide plate to the maximum size (width) position, then press the [START] button. |
| 8 | To end the adjustment, press the [STOP/CLEAR] button. |
| 9 | To end the 47 mode, turn the SW2 (sub power) OFF. |

[4] ERDH Memory Check

Perform this adjustment when memory is expanded.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 47 mode. |
| 2 | [47 mode menu screen] Press [197] by means of the numeric keys. Check that "197-000" appears in the message display area. |
| 3 | Press the [START] button. |
| 4 | The "OUT:" entry in the message display area indicates the total size of the E-RDH memory (inclusive of the 32MB provided as standard). <ul style="list-style-type: none"> • 32MB (standard) : 0032 • 32MB + 64MB : 0096 • 32MB + 64MB + 64MB : 0160 • 32MB + 128MB : 0160 • 32MB + 128MB + 128MB : 0288 |
| 5 | Press the [STOP/CLEAR] button. |
| 6 | [47 mode screen] Enter a value of [198] using the numeric keys. Be sure that "198-000" appears in the message display area. |
| 7 | Press the [START] button. The system begins executing a memory check. |
| 8 | The "OUT:" entry in the message area displays "NOW": while checking is in progress, then displays "OK" if all memory is operating correctly. |
| 9 | To end the check, press the [STOP/CLEAR] button. |
| 10 | To end the 47 mode, turn the SW2 (sub power) OFF. |

⚠ [4-1] Bypass Size Detection Adjustment

Perform this adjustment if paper size detection at the by-press feed tray does not function correctly.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 47 mode. |
| 2 | [47 mode menu screen] Press [28] by means of the numeric keys. Check that "028-000" appears in the message display area. |
| 3 | Set a sheet of A4R paper in the by-pass feed tray. |
| 4 | Press the * button. |
| 5 | Press [1] by means of the numeric keys. Check that "028-001" appears in the message display area. |
| 6 | Press the [START] button. |
| 7 | Press the [STOP/CLEAR] button. |
| 8 | Set a sheet of A4 paper in the by-pass feed tray. |
| 9 | Press the * button. |
| 10 | Press [0, 0, 2] by means of the numeric keys. Check that "028-002" appears in the message display area. |
| 11 | Press the [START] button. |
| 12 | To end the check, press the [STOP/CLEAR] button. |
| 13 | To end the 47 mode, turn the SW2 (sub power) OFF. |

[5] Input Check List

| Classification | Name | Code | Multi code | Symbol | Display | |
|------------------|-----------------------------------|------|-------------------------|--------------|-------------------------|------------------|
| | | | | | OFF | ON |
| Analog signal | Drum temperature signal | 00 | | TSCB | 0 to 255 | |
| | Toner control data 0 | 01 | | TSCB | 0 to 255 | |
| | Toner control data 1 | 02 | | TSCB | 0 to 255 | |
| | Fixing temperature sensor 0 | 03 | | TH1 | 0 to 255 | |
| | Fixing temperature sensor 1 | 04 | | TH2 | 0 to 255 | |
| | L detection signal | 05 | | TDS | 0 to 255 | |
| | Humidity sensor signal | 06 | | HUM1 | 0 to 255 | |
| Paper feed | No paper detection signal | 10 | 1: Main body upper tray | PS8 | No paper | Paper |
| | | | 2: Main body lower tray | PS11 | | |
| | | | 3: DB upper tray | PS103 | | |
| | | | 4: DB lower tray | PS108 | | |
| | | | 5: By-pass | PS13 | | |
| | Tray upper limit detection signal | 12 | 1: Main body upper tray | PS7 | Upper limit not reached | Upper limit |
| | | | 2: Main body lower tray | PS10 | | |
| | | | 3: DB upper tray | PS102 | | |
| | | | 4: DB lower tray | PS107 | | |
| | Tray detection | 13 | 1: Main body upper tray | PS9 | Tray is not provided | Tray is provided |
| | | | 2: Main body lower tray | PS12 | | |
| | | | 3: DB upper tray | PS101 | | |
| | | | 4: DB lower tray | PS106 | | |
| | Paper size signal | 16 | 1: Main body upper tray | PFDB (upper) | 0 to 9 (Note) | |
| | | | 2: Main body lower tray | PFDB (lower) | | |
| | | | 3: DB upper tray | SDB1 | | |
| 4: DB lower tray | | | SDB2 | | | |

Note:

| 3 For Inch | | | | | | | | | | |
|-----------------|-----|----|-----|----|-----|-----------|-----------|-----------|-----------|----------|
| Display Tray | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| 1 | B5R | B4 | A5R | A4 | A4R | F4 | 5.5 x 8.5 | 8.5 x 11 | 8.5 x 11R | 8.5 x 14 |
| 2, 3, 4 | A5R | A4 | A4R | A3 | F4 | 5.5 x 8.5 | 8.5 x 11 | 8.5 x 11R | 8.5 x 14 | 11 x 17 |

| 3 For Metric | | | | | | | | | | |
|-----------------|----|----|-----|----|-----|----|-----------|----------|-----------|----------|
| Display Tray | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| 1 | B5 | B4 | A5R | A4 | A4R | F4 | 5.5 x 8.5 | 8.5 x 11 | 8.5 x 11R | 8.5 x 14 |
| 2, 3, 4 | B5 | B4 | A5R | A4 | A4R | A3 | F4 | 8.5 x 11 | 8.5 x 11R | 11 x 17 |


| Common | | | | | | | | | | |
|-----------------|----|-----|----------|-----------|-----|----|----|-----|----------|-----------|
| Display Tray | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| LCT (3) | A4 | A4R | 8.5 x 11 | 8.5 x 11R | B5R | B5 | A4 | A4R | 8.5 x 11 | 8.5 x 11R |

| Classification | Name | Code | Multi code | Symbol | Display | |
|-----------------------|-------------------------------------|------|--|--------|----------------------------------|------------------------|
| | | | | | OFF | ON |
| Paper feed/conveyance | Paper feed sensor signal | 20 | 1: Registration sensor | PS1 | No paper | Paper |
| | | | 3: Jam detect sensor (DB upper tray) | PS104 | No paper | Paper |
| | | | 4: Jam detect sensor (DB lower tray) | PS105 | No paper | Paper |
| | | | 5: Intermediate conveyance PS/upper (Note) | PS21 | No paper | Paper |
| | | | 6: Intermediate conveyance PS/lower (Note) | PS22 | No paper | Paper |
| | Paper exit sensor signal | 22 | 1: Fixing exit PS | PS2 | No paper | Paper |
| | | | 2: Paper exit PS (7020/25/30/35) | PS3 | No paper | Paper |
| | Interlock | 23 | 1: ADU door | SW3 | Close | Open |
| Optics | Measured LD alarm value (7035 only) | 38 | | – | 0 to 255 | |
| | Optics sensor signal | 40 | 1: Optics home position PS | PS14 | In home position | Not in home position |
| | | | 2: APS timing PS | PS15 | Close | Open |
| | | | 3: APS sensor 1 (7020/25/30/35) | PS17 | No original | Original is provided |
| | | | 4: APS sensor 2 | PS18 | No original | Original is provided |
| Intrinsic functions | Check of serial communications | 50 | 1: RADF control board | DFCB | 0000 (Abnormal or not connected) | 0001 (Normal) |
| | | | 2: Finisher control board | FSCB | 0000 (Abnormal or not connected) | 0001 (Normal) |
| | | | 3: Scanner drive board | SCDB | 0000 (Abnormal or not connected) | 0001 (Normal) |
| | | | 4: Printer drive board | PRDB | 0000 (Abnormal or not connected) | 0001 (Normal) |
| | Toner supply periphery | 57 | 1: Toner level detector signal | TLD | No toner | Toner is provided |
| | | | 2: Toner bottle PS signal | PS5 | No bottle | Bottle is provided |
| RADF | RADF input | 60 | 00: No original detect PS | PS301 | No paper | Paper is provided |
| | | | 01: RADF open/close detect PS | PS304 | Closed | Open |
| | | | 02: Cover open/close detect PS | PS305 | Closed | Open |
| | | | 03: Original registration PS | PS311 | No paper | Paper is provided |
| | | | 04: Original feed PS | PS312 | No paper | Paper is provided |
| | | | 05: Original exit PS | PS303 | No paper | Paper is provided |
| | | | 06: Original detect PS 1 | PS306 | No paper | Paper is provided |
| | | | 07: Original detect PS 2 | PS307 | No paper | Paper is provided |
| | | | 09: Original size VR A/D data | VR301 | 0 to 255 | |
| FNS | FNS input | 70 | 1: Fan motor lock detection | – | Fan rotation | Fan stop or motor lock |
| | | | 2: Paper exit detect PS | PS703 | Paper loaded | No paper |
| | | | 3: Paper pressure PS | PS701 | Pressure applied | No pressure |
| | | | 4: Tray full-stack detect PS | PS704 | Full | Normal |
| | | | 5: Tray count PS | PS716 | Tray detected | Tray not detected |
| | | | 6: Conveyance cover open/close detect PS | PS717 | Cover open | Cover closed |
| | | | 7: Shutter PS | PS705 | Open | Closed |
| | | | 8: Tray upper limit detect PS | PS711 | Not at upper limit | Upper limit |
| | | | 9: Paper entrance detect PS | PS702 | No paper | Paper exists |
| | | | 10: Stapler H.P. detect PS | PS712 | H.P. | Other than H.P. |
| | | | 12: No-staple detect PS. | PS713 | Staples loaded | No staples |
| | | | 14: Stapler ready detect PS | PS714 | Stapler ready | Stapler not ready |
| | | | 15: Front door switch | MS701 | Door closed | Door open |


△ Note: Exclusively for 7030/7130/7035/7135





| Classification | Name | Code | Multi code | Symbol | Display | |
|----------------|-----------|------|--|---------|------------------------|-------------------|
| | | | | | OFF | ON |
| FNS | FNS input | 70 | 16: 24 V detect | – | 24 V | 0 V |
| | | | 18: Tray lower limit detect PS | PS706 | Other than lower limit | Lower limit |
| | | | 19: No paper detect PS | PS707 | No paper | Paper exists |
| | | | 20: Stapler unit H.P. detect PS | PS708 | Other than H.P. | H.P. |
| | | | 21: Alignment plate HP detect PS (rear) | PS709 | Other than H.P. | H.P. |
| | | | 22: Alignment plate HP detect PS (front) | PS710 | Other than H.P. | H.P. |
| ITU | ITU input | 75 | 1: ITU set detect | – | Connected | Not connected |
| | | | 2: IT door PS | PS25 | Closed | Open |
| | | | 3: IT exit PS (upper/lower) | PS23,24 | No paper | Paper is detected |
| ADU | ADU PS | 80 | | PS4 | Closed | Open |

[6] Output Check List

| Classification | Name | Code | Multi code | Symbol | Remarks |
|-----------------------------------|--|------------------|---|---|--|
| High voltage /image | Exposure lamp | 00 | | L1 | |
| | Toner supply motor 1/2, developing sleeve, main motor, toner bottle SD | 01 | | M1, M3 M4, SD6, M10 | SD6: Toner bottle SD (7020/25/30 only) M10: Toner supply motor 2 (Other than 7020/25/30) |
| | Charging | 02 | | HV | |
| | Transfer | 03 | | HV | |
| | Separation (AC) | 04 | | HV | |
| | Transfer + Separation (AC + DC) | 05 | | HV | |
| | Separation (DC) | 06 | | HV | |
| | Grid | 07 | | HV | |
| | Dmax/ γ LED | 08 | | HV | |
| | Guide plate | 10 | | HV | |
| | Bias | 11 | | HV | |
| Counter clear | Service counter clear | 15 | 1: Service counter clear (Clears service related counter values.) | | |
| | | | 2: Reuse counter clear | | For development |
| | | | 10: EKC data block clear | | |
| | | | 11: Job memory data block clear | | |
| | | | 12: Arbitrary replacement parts data block clear | | |
| | | | 13: Coded dialing data block clear | | For fax |
| | | | 14: One touch data block clear | | For fax |
| | | | 15: Group data block clear | | For fax |
| | | | 99: Initialize KRDS non volatile area | | |
| Paper feed | 1st paper feed SD | 20 | 1: Main body upper tray | SD1 | |
| | | | 2: Main body lower tray | SD2 | |
| | | | 3: By-pass | SD3 | |
| | | | 4: DB upper tray | SD101 | |
| | | | 5: DB lower tray | SD102 | |
| | Paper feed motor | 21 | 1: Paper feed motor | M9 | |
| | | | 2: DB paper feed motor | M100 | |
| | Tray up motor | 23 | 1: Main body upper tray | M7 | |
| | | | 2: Main body lower tray | M8 | |
| | | | 3: DB upper tray | M101 | |
| | | | 4: DB lower tray | M102 | |
| | Registration clutch | 25 | | MC1 | |
| | Loop clutch | 26 | | MC2 | |
| | Tray select (paper size signal) | 27 | 1: Main body upper tray | PFDB (UPPER) | |
| | | | 2: Main body lower tray | PFDB (LOWER) | |
| | | | 3: DB upper tray | SDB (UPPER) | |
| | | | 4: DB lower tray | SDB (LOWER) | |
| By-pass size detection adjustment | 28 | 1: A4R detection | VR1  | Press the Start button after A4R/A4 has been set. | |
| | | 2: A4 detection | | | |
| Separation claw SD | 29 | | | SD7 | |

| Classification | Name | Code | Multi code | Symbol | Remarks |
|----------------------------|------------------------------|-----------------------|--------------------------------------|------------------|--|
| Optics system | Optical motor | 31 | | M2 | After HP search, execute A3 size scanning at life size. |
| | Polygon motor | 32 | 1: Pre-rotation does not take place. | M5 | |
| | | | 2: Pre-rotation | | |
| | Shading correction operation | 34 | | M2, L1 | |
| | Laser PWM | 36 | 0 to 255 | LD | |
| | Compel to laser ON | 37 | | LD, M5 | |
| Platen still APS operation | 39 | | L1 | | |
| Main body | Main motor | 41 | | M1 | |
| | Fan motor | 42 | 1: Internal dehumidifying fan | FM3 | |
| | | | 2: Internal cooling fan | FM4 | |
| | | | 3: Fixing cooling fan | FM2 | |
| | | | 4: DCPS cooling fan | FM1 | |
| | | | 5: Developing suction fan | FM5 | Other than 7020/25/30 |
| | | | 6: Internal dehumidifying fan (Low) | FM3 | 7035 only |
| | | | 7: Internal dehumidifying fan (High) | | |
| Total counter | 43 | | T(C) | 1 count | |
| Fixing heater | 45 | 1: Main heater lamp 1 | L2 | | |
| | | 2: Sub heater lamp 2 | L3 | | |
| Operation panel | All LED ON | 48 | | OB | |
| Operation panel | Operation panel check | 49 | | OB, LCD | Checking for LCD, keys, and buzzer |
| Intrinsic functions | Developing motor | 50 | | M3 | |
| | PCL | 51 | | PCL | |
| | TSL | 52 | | TSL | |
| | Cleaning web solenoid | 53 | | SD4 | |
| | Toner auto supply | 54 | | M1, M4, M10, SD6 | Toner bottle rotation control operation also takes place. Target level is detected continuously for 10 seconds. Also, toner supply stops automatically 3 minutes after the start of control. SD6: Toner bottle SD (7020/25/30 only) M10: Toner supply motor 2 (Other than 7020/25/30) |
| | Toner supply motor | 55 | | M4 | |
| | Toner bottle operation | 56 | | SD6 | 7020/25/30 only |
| | | | 1: Forward rotation | M10 | Other than 7020/25/30 |
| | 2: Reverse rotation | | | | |
| TLD power | 57 | | TLD | | |

| Classification | Name | Code | Multi code | Symbol | Remarks |
|---|-------------------------|-------|--|--|--|
| Intrinsic functions | Toner bottle rotation | 58 | | SD6, M4  | Toner supply M and bottle SD both ON to rotate bottle half turn; then stop. For machines other than 7020/25/30, only when the toner supply motor is ON. |
| | 24V power source remote | 59 | 1: For scanner 2: For printer | | |
| RADF | Load output | 60 | 0: Original feed motor CW | M301 | |
| | | | 1: Original feed motor CCW | M301 | |
| | | | 2: Original reversal motor CW | M303 | |
| | | | 3: Original reversal motor CCW | M303 | |
| | | | 4: Original conveyance motor CCW | M302 | Motor speed when copy magnification is 50% |
| | | | 5: Original conveyance motor CCW | M302 | Motor speed when copy magnification is 100% |
| | | | 6: Original conveyance motor CCW | M302 | Motor speed when copy magnification is 400% |
| | | | 7: Rollar pressure SD | SD302 | |
| | 8: Exit SD | SD303 | | | |
| | Others | 69 | 0: Original size adjustment (small size) | VR301 | |
| 1: Original size adjustment (large size) | | | VR301 | | |
| FNS | Each load on FNS | 70 | 01: Paper conveyance motor | M701 | |
| | | | 03: Alignment motor shift position move (A4 position, close) | M704, 703 | |
| | | | 05: Tray up/down motor up | M706 | |
| | | | 06: Tray up/ down motor down | M706 | |
| | | | 07: Tray up/down motor fewer quantity up move in the staple mode | M706 | |
| | | | 08: Alignment plate H.P search | M704, 703 | |
| | | | 11: Motor pressure operation | M707 | |
| | | | 12: Motor release operation | M707 | |
| | | | 14: Stapler unit in stapling operation | M708 | |
| | | | 17: Stapler shift motor H.P search | M705 | |
| | | | 18: Stapler shift motor at rear side A4 1-position stapling position | M705 | |
| | | | 33: Alignment motor at open A4 position | M704, 703 | |
| | | | 34: Alignment motor at close A4 position | M704, 703 | |
| | | | 35: Alignment motor in aligning operation | M704, 703 | |
| | | | 42: Exit motor in exit direction rotation | M702 | |
| | | | 46: Tray up/down motor in tray scan operation | M706 | |
| 47: Tray up/down motor changeover to tray 1 | M706 | | | | |

| Classification | Name | Code | Multi code | Symbol | Remarks |
|---|---|---|--|--|---|
| FNS | Each load on FNS | 70 | 48: Tray up/down motor changeover to optional tray 1 | M706 | |
| | | | 49: Tray up/down motor changeover to optional tray 2 | M706 | |
| | | | 50: Tray up/down motor changeover to tray 2 | M706 | |
| | | | 51: Stapler shift motor H.P search | M705 | |
| | | | 52: Stapler shift motor at front side A4 1-position stapling position | M705 | |
| | | | 53: Exit motor in rewind direction rotation | M702 | |
| | | | 54: Cooling fan motor rotation | M709 | |
| | | | 99: Running mode | | |
| ITU | ITU load | 75 | 1: ITU gate SD | SD8 | |
| ADU | ADU motor | 80 | 1: 140 (180) mm/sec forward rotation | M6 |  Parenthesized values are for the 7022/7130/7035 |
| | | | 2: 350 (450) mm/sec forward rotation | | |
| | | | 3: 210 (180) mm/sec reverse rotation | | |
| | | | 4: 350 (450) mm/sec reverse rotation | | |
| | ADU gate SD | 83 | | SD5 | |
|  | PM counter clear | 90 | | | |
| | Various counter clear (For assembly line) |  | 0: Process counter clear | | |
| | | | 1: Drum counter clear | | |
| | Process initial set | 92 | | | Cannot be rewritten in the field. |
| | Initial settings (Restore factory defaults For assembly line) | 93 | | |  <ol style="list-style-type: none"> 1. Initialize file for default settings (values saved by 47-096). 2. Set initial vertical magnification adjustment (for RADF). 3. Set initial restart timing adjustment (for RADF). 4. Set initial original feed loop adjustment (for RADF). 5. Initial setting of mis-centering adjustment write data (for RADF) |
| | Display 36 mode adjustment values and factory data | 94 | | | |
| | Automatic adjustment of L detection reference value (For assembly line) | 95 | | | Initialize developing counter. Perform L detection automatic adjustment in the 36 mode. |
| Process delivery completing setting (For assembly line) | 96 | | | <ol style="list-style-type: none"> 1. Read current date. <ul style="list-style-type: none"> • Set shipping date • Set periodic collection start date 2. Enable incrementing of mechanical counter (In 25 mode, reset DIPSW21 – 6 to "0".) | |

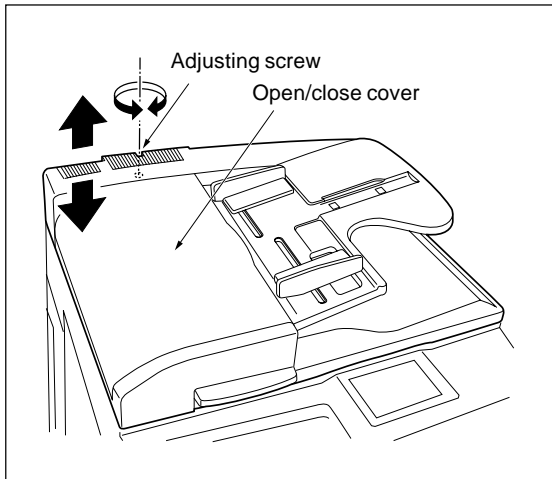
| 2 | Classifi- cation | Name | Code | Multi code | Symbol | Remarks |
|---|---------------------|--|------|------------|--------|--|
| | Others | Process delivery completing setting (For assembly line) | 96 | | | 3. Set to suppress display of jam codes. (In 25 mode, reset DIPSW10 – 7 to "0".) 4. Return test pattern density to initial value (255). 5. Return solid pattern density to initial value (255). 6. Save settings into factory settings file. |
| | | Light distribution check | 97 | | | |
| | | Messages display | 101 | | | For message checking. |
| | | Initialize fax-related nonvolatile memory (For assembly line) | 121 | | | Initialize FAX related non-volatile data using the "FAX Serviceman Setting" menu. For details, refer to the FK-101/102 service handbook. |
| | | Display total E-RDH memory size | 197 | | | |
| | | E-RDH memory check | 198 | | | |
| | | Various board checks (For assembly line) | 999 | | | A jig intended for factory use is necessary. |

OTHER ADJUSTMENTS

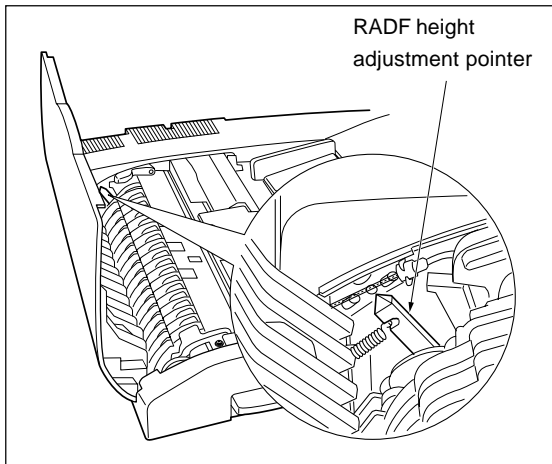
⚠ Caution: Be sure that the power cord has been unplugged from the socket.

[1] RADF Mounting Position Adjustment

Adjust the DF-314 mounting position in the following procedures.

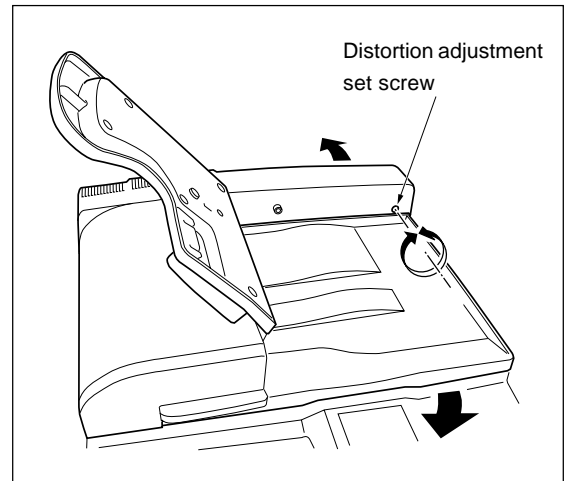


- (1) Close the DF-314.
- (2) Open the open/close cover, then turn the RADF height adjustment screw until the RADF height adjustment pointer comes to center of the scale divisions.

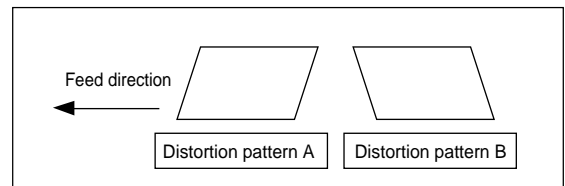


[2] RADF Distortion Adjustment

Adjust the amount of distortion of a copy in the following procedures.



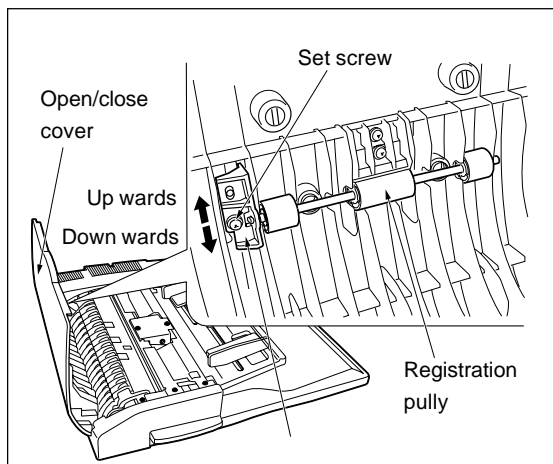
- ⚠** (1) Set a A3 paper on the tray of the main body.
- (2) Set the ADF adjustment chart on the DF-314, then make a copy.
- (3) Check the amount of distortion in the copy.
Standard value: $\pm 0.3\%$ less.



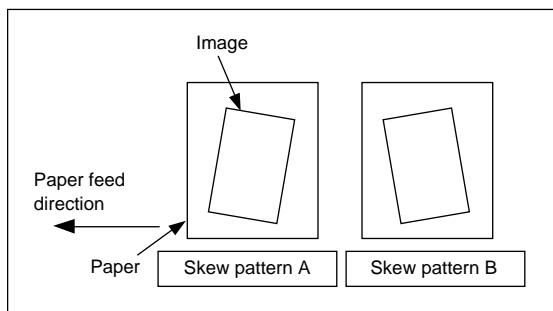
- (4) When the distortion is larger than the tolerance, adjust it using the distortion adjustment set screw.
Distortion pattern A:
Turn the distortion adjustment set screw clockwise.
Distortion pattern B:
Turn the distortion adjustment set screw counterclockwise.
- (5) Repeat above steps 2 to 4 until the standard value for distortion is met.

[3] RADF Original Skew Adjustment

When originals are fed being skewed, adjust the registration pully bracket.



- (1) Turn on the 1 → 1 mode, then set the ADF chart on the DF-314 and make a copy.
- (2) Check pattern of the skewed original feed.
Standard value: $\pm 0.5\%$ less.



- (3) When the standard value for skew is not fit, open the open/close cover, then adjust position of the registration pully bracket.

Skew pattern A:

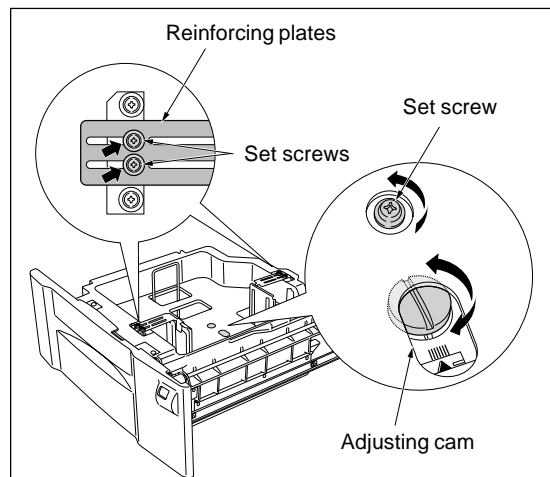
Move the registration pully bracket down.

Skew pattern B:

Move the registration pully bracket up.

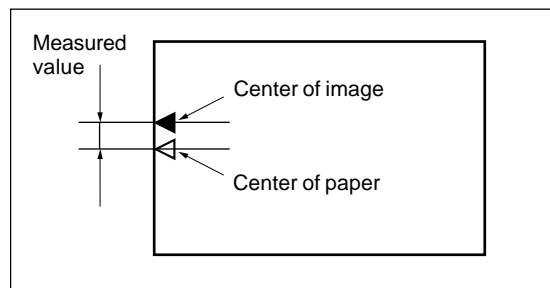
- (4) Repeat above steps 1 to 3 until the standard value for the skewed original is within standard value.

[4] DB-409/410 Paper Centering Adjustment

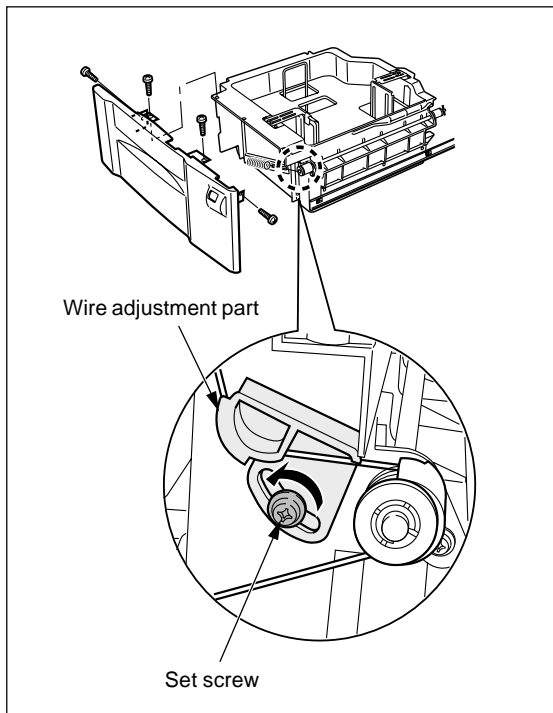


Make a copy of the test chart, then perform necessary adjustment until the standard value for the paper centering is fit.

- (1) Loosen a set screw on the side guide situated at bottom of the tray. And also loosen the two set screws on the reinforcing plates (front/back) situated at top of the tray.
- (2) Move the side guide back and forth by turning to the adjusting cam until the paper centering is within standard value.
- (3) When the adjustment is complete, tighten the set screws provided for the side guide and reinforcing plates.

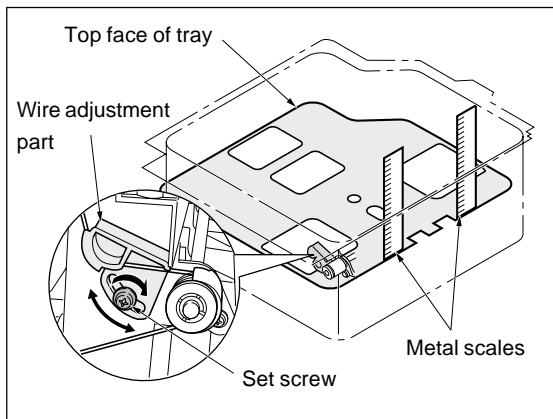


Note: If paper miscentering occurs, move the side guide forwards and backwards, and adjust the gap for the paper in use to between 1.0 and 1.5mm. (The gap must be set so that the paper lifting plate meets both the lower limit position and the upper limit position.)

△ [5] DB-409/410 Tray Tilt Adjustment

Normal paper feed can't be expected if the tray is tilted. In such case, adjust the tray and paper feed roller shaft so that they may be parallel in each other. Whenever the wire is replaced, this adjustment must be implemented.

- (1) Remove the front cover of the tray.
- (2) Loosen a set screw of the wire adjustment part situated in front side of the tray.
- (3) Move the wire adjustment part until the distance from top of the side plate to the tray top face is equal in both the front and back sides.
- (4) When the adjustment is complete, tighten the set screw for the wire adjustment part.





ISW

ISW

[1] Description of the ISW

ISW (In-System Writer) is an operation rewriting control programs stored in the flash ROM included in the diverse control board of a Konica digital copier with the board still installed in the copier main body.

By implementing ISW you can update versions of control programs without changing the board or carry out maintenance of the control board when changing the board.

Two ISW execution tools are prepared. One is the "ISW Trns" (PC software) that implements rewriting by connecting a personal computer (PC) and a digital copier. And, the other is the specialized "ISW Tool" featuring EPROM. These tools allow direct rewriting of the control program in the flash ROM included in the copier main body by connecting the ISW connector of the copier main body.

The method of carrying out the necessary setup work on the main body for executing ISW is described here. For the operation of the "ISW Trns" and "ISW Tool," refer to the "Konica ISW (In-System Writer) Service Handbook."

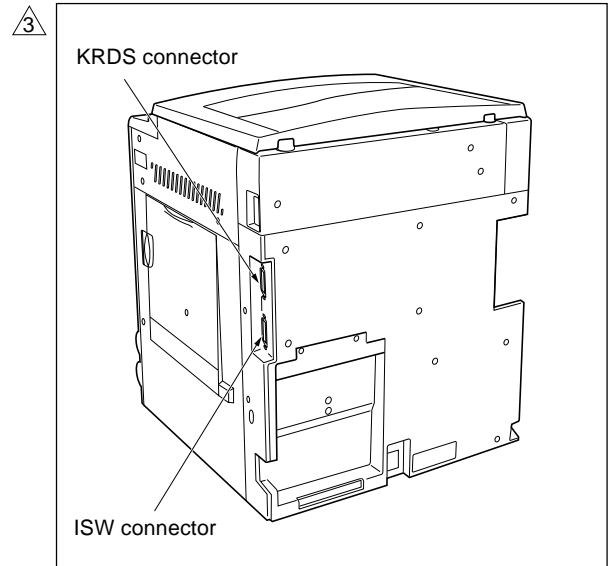
Caution: The "Konica ISW (In-System Writer) Service Handbook" describes three different data rewriting approaches to be executed by the ISW Tool. Applicable approach depends on the given model of the copier. As for this copier, reference the "Type B Re-write Operation."

[2] Operating Method

1. ISW connector

The ISW connector is provided on the right side face of the copier. Of the two connectors situated in the side face, the lower one is the ISW connector.

- ⚠ The cap or seal that covers each connector must be removed before the connector can be used.



2. Preparing the printer for re-writing


Before operating the ISW, maintain the copier in ISW mode.


| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [11. ISW] key. |
| 3 | [ISW menu screen] Select the ROM where the ROM data to be rewritten. |
| 4 | [Program rewrite screen] Pressing [START] key after [START] key is displayed, cause the machine to be data waiting condition. |
| 5 | Execute the operation according to the procedures specified in the "Konica ISW (In-System Writer) Service Handbook." |

3. Types and quantity of re-write ROM

When rewriting the copier flash ROM data using the "ISW Tool," rewriting EPROM must be prepared.

The following table lists rewriting EPROM prepared for this machine.

 **Note:** Quantity of the rewriting EPROM and transfer file size are subject to change without previous notice.

| Target control program | Quantity of ROM | ISW trns file size (. bin file) |
|---|-----------------|---------------------------------|
| System control | 17 | Approx. 5.5 MB |
|  Image control | 2 | Approx. 0.6 MB |
| RADF control | 1 | Approx. 0.1 MB |
| FNS control | 1 | Approx. 0.2 MB |
| FAX control | 2 | Approx. 0.6 MB |

5. Data transfer error

The FAX LED (amber) lamp lights if a transfer error occurs. If an error occurs, refer to the section "Error handling" in the separate "ISW Service Handbook" and perform the appropriate countermeasures. After the countermeasures are completed, perform the re-write operation again from the beginning.

4. Re-write precautions using the "ISW Tool"

System control ROM re-write

The re-write operation must be performed to divide the EPROM of the system control ROM into two groups, because of its number of "EPROM" is more than 12. The timing (first time data transfer end timing) for the second time the re-write operations is performed is as follows.

The data LED (green) of the operation part changes from flashing to lighting.

The remaining EPROM is transferred to the "ISW Tool" and the ROM data is transferred.

The LCD goes off during data transfer.

When data transfer is ended, the 25 mode menu screen is displayed.

If an error occurs in the second ROM data transfer, perform the operation again from the beginning (first time).



KRDS

KRDS

[1] Outline

If a FAX option is installed in this machine, it is not necessary to connect a modem for KRDS. If a FAX option is not installed, please connect a data modem for KRDS.

[2] Specifications

1. Type: Overall control board built-in type.
 2. KRDS (Overall control board) Interface between modem
 - : RS-232C Compatible
 - △ : Baud Rate: Max : 115.2 kbps
Default : 38.4 kbps
 3. Basic Functions
 - Auto trouble notification
 - Operation count auto acquisition
 - Remote control (machine adjustment data, rewriting of the counter limit, etc.)
 - Notification of frequent JAM occurrence
 - Replenish toner notification
 - Repair and other call buttons
 4. FAX-KRDS*
 - Communications Speed : Max. 14.4 kbps (V.17)
 - Modulation Method : (V.17, V.29, V.27ter, V.27 fallback mode, V.34)
- * This specification is valid for KRDS host application version 5.0 or higher versions.

△ [3] KRDS Setting

KRDS allows the copy machine to call up the host computer periodically and also when there is an abnormality. Also data in the copier can be changed from the host computer.

KRDS can execute the above functions for the following data:

- a. Data on the copier's status such as total and PM count.
- b. Data on the frequency of the partial copier such as RADF paper feed count.
- c. Data on the copier's error status such as SC (F) /JAM occurrence code and count.
- d. Data on the various adjustments

To use KRDS, set up as follows:

1. Set the KRDS connection recognition.
2. Initialize KRDS memory.
3. Set the type of modem and line.
(If FAX-KRDS is used, this setting is unnecessary.)
4. Enter host password.
5. Set phone number.

KRDS setting menu

1. Calling time set
2. Host password set
3. KRDS TEL No. setting
4. KRDS software SW set
5. KRDS setup calling

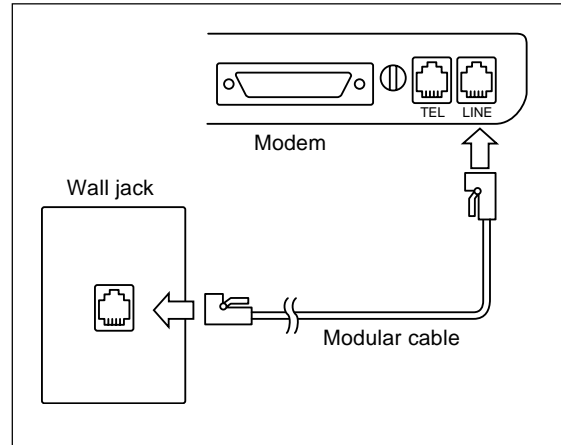
[4] KRDS Set Up

1. KRDS set up item

KRDS set up procedure

| Step | Operation procedure |
|------|--|
| 1 | In case of a modem using, turn off the modem and connect to the copier using a modem cable (RS-232C, 25P-25P straight cable) and wall jack using a modular cable to the modem. If the FAX KRDS is used, connect the FAX board to the wall jack using the modular cable. |
| 2 | Setting the KRDS connection recognition (25 mode → [1. Software SW]) Set copier software DIPSW 12-6 (KRDS connection recognition) to "1". |
| 3 | Initialize KRDS memory. (47 mode → [1] [5] [*] [9] [8] [*] → Start button ON) |
| 4 | Set KRDS software SW. (25 mode → [9. KRDS setting] → [4. KRDS software SW set] (Select type of modem and dial mode)) Select the type of modem from the bit pattern 0 to 6 of the KRDS software SW No.1 and dial mode from the bit pattern 7. |
| 5 | Host password setting. (25 mode → [9. KRDS setting] → [2. Host password set]) (Refer to *1 and *2) |
| 6 | KRDS phone number setting. (25 mode → [9. KRDS setting] → [3. KRDS TEL No. setting]) (Refer to *3) |
| 7 | Turn off the SW1 (main power) and SW2 (sub power) of the copier. |
| 8 | Turn on the power switch of the modem. |
| 9 | Turn on the SW1 (main power) of the copier. |
| 10 | Check the set up flag setting condition. (25 mode → [9. KRDS setting] → [4. KRDS software SW set] → check that the data on the switch No.33 and bit No.0 indicates "0" (not yet).) |
| 11 | Check the KRDS communication mode. (25 mode → [9] KRDS Setting → [4] KRDS software SW setting → Check the data in bit No. 2 of switch No. 38.) It should be set on "1" if communications are via FAX-KRDS, and on "0" if communications are via a modem. If the setting is different, change the setting. |
| 12 | Preform KRDS set up calling. (25 mode → [9. KRDS setting] → [5. KRDS Setup calling]) |
| 13 | Press the [START] key to start set up. |
| 14 | Check the finishing of set up. (25 mode → [9. KRDS setting] → [4. KRDS software SW set] → Completes if the data on the switch No.33 and bit No.0 indicates "1" (finished).) |
| 15 | Turn off the SW1 (main power) and SW2 (sub power) of the copier. |

- *1: Host password must be 5-digit.
- *2: Host password 1 must be specified.
- *3: For both the copier and the host side, copier phone number and host phone number 1 must be specified.
- *4: Refer to the manual of the modem about specifications for connecting with the modular cable.



Note: In the case of FAX KRDS, connect to the LINE terminal on the FAX board.

2. Setting the KRDS connection recognition

- (1) Plug the power cord of the copier to the outlet. (When the SW1 (main power) and SW2 (sub power) of the copier remain off.)
- (2) Turn on the SW1 (main power) when the SW2 (sub power) remains off.
- (3) Turn on the SW2 (sub power) while pressing [2] and [5] of the copy quantity setting buttons simultaneously.
- (4) Select the [1. Software SW] key on the 25 mode menu screen.
- (5) Select the bit No.6 of the switch No.12, and then press the [ON] key.

ON: KRDS recognize

OFF: KRDS not recognized

Note: If the copier software DIPSW 12-6 (KRDS recognition) is not selected to "1", the menu of the KRDS can not be selected.

3. Initializing KRDS memory

- (1) Turn off the SW2 (sub power) when the SW1 (main power) remains on.
- (2) Turn on the SW2 (sub power) while holding down [4] and [7] of the copy quantity setting buttons simultaneously.
- ③ (3) Press the start print button after pressing the copy quantity setting button [1], [5] and [*] button, then [9], [8], finally [*] button again.

I/O check mode
< 15 - 98 > IN: -- OUT: NOW

- (4) "NOW" indication will be changed to "FIN" on the message display.
- (5) Turn off the SW2 (sub power).

4. Setting KRDS software SW

This function allows adjustment of the KRDS software switches.

Note: Adjust the software switch while checking the switch and bit number since the memory is rewritten every time the bit data (1 or 0) is changed.

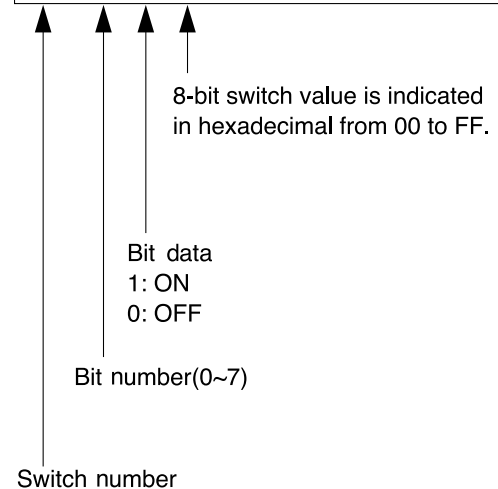
Any bit data that has been incorrectly changed must be returned to the original data.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [9. KRDS setting] key. |
| 3 | [KRDS setting menu screen] Press the [4. KRDS software SW set] key. |
| 4 | [KRDS software SW set screen] Use the [▲] or [▼] keys to set the switch number. (Refer to *1) |
| 5 | Use the [▲] or [▼] keys to set the bit number. (Refer to *1) |
| 6 | Press the [ON] of [OFF] key to set the bit data. |
| 7 | Press the [RETURN] key to end the setting. |

*1:

- The bit of the switch is written in the non-volatile memory every time it is changed.
- The numbers shown in the message area are defined as follows:

KRDS software SW set
01 - 0 : 0 F0



For each switch function, refer to "List of KRDS Software DIP SW".

5. Setting type of modem and line

- (1) Using the switch No. 01, enter the modem and line data into the bits 0 to 7, referring to the following table.

<If telephone line type is "Pulse">

| Modem initialization command \ Bit No. | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | * |
|--|---|---|---|---|---|---|---|---|----|
| AT&FE0Q0V1X0S0=1&S0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 01 |
| AT&FE0Q0V1X0S0=1&S0&D2&C1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 02 |
| AT&FE0Q0V1X0S0=1&S0%E0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 03 |
| AT&FE0Q0V1X0S0=1&S0&D2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 04 |
| AT&FE0Q0V1X0S0=1&S0&M5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 05 |
| AT&FE0Q0V1X0S0=1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 06 |
| AT&FE0Q0V1X0S0=1&S0\N5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 07 |

<If telephone line type is "Tone">

| Modem initialization command \ Bit No. | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | * |
|--|---|---|---|---|---|---|---|---|----|
| AT&FE0Q0V1X0S0=1&S0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 81 |
| AT&FE0Q0V1X0S0=1&S0&D2&C1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 82 |
| AT&FE0Q0V1X0S0=1&S0%E0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 83 |
| AT&FE0Q0V1X0S0=1&S0&D2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 84 |
| AT&FE0Q0V1X0S0=1&S0&M5 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 85 |
| AT&FE0Q0V1X0S0=1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 86 |
| AT&FE0Q0V1X0S0=1&S0\N5 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 87 |

Example:

If the initialization command for the modem you are using is AT&FE0Q0V1X0S0=1&S0 and you have a pulse-dial telephone line, enter the data for bits 7 to 0 as 00000001:

In hexadecimal <*>, the value is expressed as 01. Be sure to verify with the above charts whether or not the hexadecimal <*> output corresponds with the model being used.

Reference:

This machine has a telephone (modem) line type automatic recognition setting function.

KRDS Software DIP SW:

Switch No.38 and bit No.0

Data 0: off (manual setting)

1: on (line type automatic recognition) (default)

As a result, if this switch is at "1", Bit No. 7 of Switch No. 1 can be either "0" or "1".

(2) List of KRDS Software DIP SW

■: Default value

| No. | Function | | Function | | | | | | | Description | Default value (Hexadecimal) | | |
|------|----------|--|----------|---|---|---|---|---|------------|-------------|--------------------------------|--|------------|
| | | | MSB | | | | | | | | | LSB | |
| byte | bit | | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | | | |
| 1 | 0-6 | Select modem | ■ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | No setting (No data is sent to modem.) | 81 (*) |
| | | | ■ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | AT&FE0Q0V1X0S0=1&S0 | |
| | | | ■ | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | AT&FE0Q0V1X0S0=1&S0&D2&C1 | |
| | | | ■ | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | AT&FE0Q0V1X0S0=1&S0%E0 | |
| | | | ■ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | AT&FE0Q0V1X0S0=1&S0&D2 | |
| | | | ■ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | AT&FE0Q0V1X0S0=1&S0&M5 | |
| | | | ■ | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | AT&FE0Q0V1X0S0=1 | |
| | | | ■ | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | AT&FE0Q0V1X0S0=1&S0\N5 | |
| | | | ■ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Manual setting (3 to 24 byte data is sent to modem.) | |
| | 7 | Dial mode | 0 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | Pulse dial | | |
| 1 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | Tone dial | | | |
| 2 | 0 | Data character length | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 81 (*) |
| | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 1 | 8 bit (fixed) | |
| | 1-2 | Parity and stop bit | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 0 | 0 | No parity, stop bit 1 (fixed) | |
| | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | Even number of parity, stop bit 1 | |
| | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | Odd number of parity, stop bit 1 | |
| | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | No parity, stop bit 2 | |
| | 3 | Reserved | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | Don't care | |
| | 4-7 | Baud rate | 0 | 0 | 1 | 1 | ■ | ■ | ■ | ■ | ■ | 1200 bps | |
| | | | 0 | 1 | 0 | 0 | ■ | ■ | ■ | ■ | ■ | 2400 bps | |
| | | | 0 | 1 | 0 | 1 | ■ | ■ | ■ | ■ | ■ | 4800 bps | |
| | | | 0 | 1 | 1 | 0 | ■ | ■ | ■ | ■ | ■ | 9600 bps | |
| | | | 0 | 1 | 1 | 1 | ■ | ■ | ■ | ■ | ■ | 19200 bps | |
| | | | 1 | 0 | 0 | 0 | ■ | ■ | ■ | ■ | ■ | 38400 bps | |
| 1 | | | 0 | 0 | 1 | ■ | ■ | ■ | ■ | ■ | 57600 bps | | |
| 1 | 0 | 1 | 0 | ■ | ■ | ■ | ■ | ■ | 115200 bps | | | | |
| 3 | 0 | Local echo | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | No setting | 57 (*) |
| | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 1 | E0: When modem can receive commands, it does not echo back data sent from PC's (Copiers) | |
| | 1 | Result code | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 0 | ■ | No setting | |
| | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 1 | Q0: Exist (Returns result code.) | |
| | 2 | Result code form (displayed result) | ■ | ■ | ■ | ■ | ■ | ■ | 0 | ■ | ■ | No setting | |
| | | | ■ | ■ | ■ | ■ | ■ | ■ | 1 | ■ | ■ | V1: Word (Returns result code in English.) | |
| | 3 | Set DCD signal operation (carrier detect) | ■ | ■ | ■ | ■ | ■ | 0 | ■ | ■ | ■ | No setting | |
| | | | ■ | ■ | ■ | ■ | ■ | 1 | ■ | ■ | ■ | &C1: ON only when the carrier is detected. | |
| | 4-5 | Set DSR signal operation | ■ | 0 | 0 | ■ | ■ | ■ | ■ | ■ | ■ | No setting | |
| | | | ■ | 0 | 1 | ■ | ■ | ■ | ■ | ■ | ■ | &S0: Always ON (Modem can send and receive.) | |
| ■ | | | 1 | 0 | ■ | ■ | ■ | ■ | ■ | ■ | &S1: ON during online | | |
| ■ | | | 1 | 1 | ■ | ■ | ■ | ■ | ■ | ■ | &S2 | | |

Note: In FAX-KRDS, items with the * mark are disregarded (invalid).

| No. | Function | | Function | | | | | | | Description | Default value (Hexadecimal) | | | | |
|------|--|--|--|---|---|---|---|---|---|-------------|------------------------------------|-------------|------------|----------------|--|
| | | | MSB | | | | | | | | | LSB | | | |
| byte | bit | | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | | | | | |
| 3 | 6 | Check DSR signal | | 0 | | | | | | | | off | 57 (*) | | |
| | | | | 1 | | | | | | | | on | | | |
| | 7 | Check DCD signal | | 0 | | | | | | | | off (fixed) | | | |
| | | | | 1 | | | | | | | | on | | | |
| 4 | 0-1 | Set DTR signal operation | | | | | | | 0 | 0 | | No setting | 10 (*) | | |
| | | | | | | | | | | 0 | 1 | | | &D0 | |
| | | | | | | | | | | | 1 | 0 | | | &D1 |
| | | | | | | | | | | | | 1 | | 1 | &D2 |
| | 2-3 | Speaker control | ⚠ | | | | | 0 | 0 | | | | | No setting | |
| | | | | | | | | 0 | 1 | | | | | M0: Always OFF | |
| | | | | | | | | 1 | 0 | | | | | | M1: ON until communication starts |
| | | | | | | | | 1 | 1 | | | | | | M2: Always ON |
| | 4-6 | Display speed when connection is completed and dial/busy tone is detected. ⚠ | ⚠ | | 0 | 0 | 0 | | | | | | | No setting | |
| | | | | | 0 | 0 | 1 | | | | | | | | X0: No indication of communication speed |
| | | | | | 0 | 1 | 0 | | | | | | | | X1: Indication of communication speed; Detect no dial/busy tone |
| | | | | | 0 | 1 | 1 | | | | | | | | X2: Indication of communication speed; Detect dial tone |
| | | | | | 1 | 0 | 0 | | | | | | | | X3: Indication of communication speed; Detect busy tone |
| | | | | | 1 | 0 | 1 | | | | | | | | X4: Indication of communication speed; Detect dial and busy tone |
| | | | | | 1 | 1 | 0 | | | | | | | | No setting |
| | | | | | 1 | 1 | 1 | | | | | | | | No setting |
| 7 | Reset modem (This is set prior to shipping.) | | 0 | | | | | | | | No setting | | | | |
| | | | 1 | | | | | | | | &F: This is set prior to shipping. | | | | |
| 5 | 0-7 | Arbitrary command registration area 1 (ASCII data) | | | | | | | | | | 00 (*) | | | |
| 6 | 0-7 | | | | | | | | | | | | | | |
| 7 | 0-7 | | | | | | | | | | | | | | |
| 8 | 0-7 | | Arbitrary command registration area 2 (ASCII data) | | | | | | | | | | | | |
| 9 | 0-7 | | | | | | | | | | | | | | |
| 10 | 0-7 | | | | | | | | | | | | | | |
| 11 | 0-7 | | | | | | | | | | | | | | |
| 12 | 0-7 | | Arbitrary command registration area 3 (ASCII data) | | | | | | | | | | | | |
| 13 | 0-7 | | | | | | | | | | | | | | |
| 14 | 0-7 | Arbitrary command registration area 4 | | | | | | | | | | | | | |
| 15 | 0-7 | | | | | | | | | | | | | | |
| 16 | 0-7 | Command free setting | | | | | | | | | | | | | |
| 17 | 0 | Set S register (bit 0 - 7) | | | | | | | | 0 | No setting | 01 (*) | | | |
| | | | | | | | | | | 1 | S0=: Effective data | | | | |
| | 1 | S6: Wait time from off hook to dial start | | | | | | | | 0 | No setting | | | | |
| | | | | | | | | | | 1 | S6=: Effective data | | | | |
| | 2 | S7: Off hook limit timer | | | | | | | | 0 | No setting | | | | |
| | | | | | | | | | | 1 | S7=: Effective data | | | | |

| No. byte | bit | Function | Function | | | | | | | LSB | Description | Default value (Hexadecimal) |
|-------------|----------|--|----------|---|------------|---|----------|---|---|----------------------|----------------------|--------------------------------|
| | | | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | |
| 17 ③ | 3 | S8: Pause time (Dial stop time (sec.)) | | | | | 0 | | | | No setting | 01 (*) |
| | | | | | | | 1 | | | | S8=: Effective data | |
| | 4 | S9: Carrier recognize time | | | | 0 | | | | | No setting | |
| | | | | | | 1 | | | | | S9=: Effective data | |
| | 5 | S10: Allowable carrier stop time | | | 0 | | | | | | No setting | |
| | | | | | 1 | | | | | | S10=: Effective data | |
| | 6 | S11 | | 0 | | | | | | | No setting | |
| | | | 1 | | | | | | | S11=: Effective data | | |
| 7 | Reserved | Don't care | | | | | | | | | | |
| 18 | | S0 data (No. of times data was received automatically) | | | | | 00 - FFH | | | 01H (1) | 01 (*) | |
| 19 | | S6 data (Wait time until dialing starts.) | | | | | 00 - FFH | | | 03H (3) | 03 (*) | |
| 20 | | S7 data (Wait time until carrier detect) | | | | | 00 - FFH | | | 1EH (30) | 1E (*) | |
| 21 | | S8 data (Pause time) | | | | | 00 - FFH | | | 03H (3) | 03 (*) | |
| 22 | | S9 data (Carrier detection time) | | | | | 00 - FFH | | | 06H (6) | 06 (*) | |
| 23 | | S10 data (Carrier disconnection detection time) | | | | | 00 - FFH | | | 0EH (14) | 0E (*) | |
| 24 | | S11 data | | | | | 00 - FFH | | | 5FH(95) | 5F (*) | |
| 25 | | Timer 1 (Ring reception→ Connect reception) | | | | | 00 - FFH | | | 20H (32) x 1sec | 20 (*) | |
| 26 | | Timer 2 (Dial call end → Connect reception) | | | | | 00 - FFH | | | 40H (64) x 1sec | 40 (*) | |
| 27 | | Timer 3 | | | | | 00 - FFH | | | 0AH (10) x 100ms | 0A (*) | |
| 28 | | Timer 4 (Line Connect → Send Start-up message request) | | | | | 00 - FFH | | | 20H (32) x 100ms | 20 (*) | |
| 29 | | Timer 5 (Opposite Party Signal answer wait time) | | | | | 00 - FFH | | | 1EH (30) x 1sec | 1E (*) | |
| 30 | | Retry data; Timer 6 (Initialization OK →Dial call) | | | | | 00 - FFH | | | FFH (255) x 5ms | FF (*) | |
| 31 ③ | 0 | Call when SC error occurs | | | | | | | | 0 | disable | 99 |
| | | | | | | | | | | | 1 | |
| | 1 | Call specify date | | | | | | | | 0 | disable | |
| | | | | | | | | | | | 1 | |
| | 2 | Call parts replace date | | | | | | | | 0 | disable | |
| | | | | | | | | | | | 1 | |
| | 3 | Call drum replace date | | | | | 0 | | | | disable | |
| | | | | | | | 1 | | | | enable | |
| | 4 | Call regular service date | | | | 0 | | | | | disable | |
| | | | | | | 1 | | | | | enable | |
| | 5 | Reserved | | | Don't care | | | | | | | |

| No. | | Function | Function | | | | | | | LSB | Description | Default value (Hexadecimal) | | |
|------|----------|---|--|------------|---|---|---|---|---|-----|-----------------|---------------------------------|------------------------|------------------------|
| byte | bit | | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | | 0 | |
| 31 | 6 | Call regular transmit date | 0 | | | | | | | | disable | 99 | | |
| | | | 1 | | | | | | | | enable | | | |
| | 7 | Select regular transmit (Time and count) | 0 | | | | | | | | time | | | |
| | | | 1 | | | | | | | | counter | | | |
| 32 | 0 | Call when optional configura- tion is changed | | | | | | | | 0 | disable | 00 | | |
| | | | | | | | | | | | 1 | | enable | |
| | 1 | Report of toner replenishment | | | | | | | | 0 | disable | | | |
| | | | | | | | | | | | 1 | | enable | |
| | 2 | Report of JAM occur frequently | | | | | | | | 0 | disable | | | |
| | | | | | | | | | | | 1 | | enable | |
| | 3-7 | | Reserved [△] 3 | Don't care | | | | | | | | | | |
| 33 | 0 | Set up flag | | | | | | | | 0 | not yet | 0A | | |
| | | | | | | | | | | | 1 | | finished | |
| | 1-2 | Redial interval | | | | | | | 0 | 0 | 1 min. | | | |
| | | | | | | | | | 0 | 1 | 3 min. | | | |
| | | | | | | | | | 1 | 0 | 5 min. | | | |
| | | | | | | | | | 1 | 1 | 7 min. | | | |
| | 3-4 | Redial count | | | | 0 | 0 | | | | 0 | | | |
| | | | | | | 0 | 1 | | | | | | 5 | |
| | | | | | | 1 | 0 | | | | | | 10 | |
| | | | | | | 1 | 1 | | | | | | No limit | |
| | 5-6 | | Reserved | Don't care | | | | | | | | | | (*) |
| | 7 | Line feed control (when initializing modem) | 0 | | | | | | | | CR/LF: LF exist | | (*) | |
| | | | 1 | | | | | | | | CR: No LF | | (*) | |
| | 34 | 0-1 | Call JAM date (main body) Valid copy quantity | | | | | | | | 0 | | 0 | Copy quantity: level 1 |
| | | | | | | | | | | | 0 | 1 | Copy quantity: level 2 | |
| | | | | | | | | | | | 1 | 0 | Copy quantity: level 3 | |
| | | | | | | | | | | | 1 | 1 | Copy quantity: level 4 | |
| 2-3 | | Call ADF JAM date Valid original feed quantity | | | | | 0 | 0 | | | | Original feed quantity: level 1 | | |
| | | | | | | | 0 | 1 | | | | Original feed quantity: level 2 | | |
| | | | | | | | 1 | 0 | | | | Original feed quantity: level 3 | | |
| | | | | | | | 1 | 1 | | | | Original feed quantity: level 4 | | |
| 4-5 | | Call JAM date MCBJ setting | | | 0 | 0 | | | | | | MCBJ: level 1 | | |
| | | | | | 0 | 1 | | | | | | MCBJ: level 2 | | |
| | | | | | 1 | 0 | | | | | | MCBJ: level 3 | | |
| | | | | | 1 | 1 | | | | | | MCBJ: level 4 | | |
| 6-7 | | Call JAM date MOBJ setting | 0 | 0 | | | | | | | | MOBJ: level 1 | | |
| | | | 0 | 1 | | | | | | | | MOBJ: level 2 | | |
| | | | 1 | 0 | | | | | | | | MOBJ: level 3 | | |
| | | | 1 | 1 | | | | | | | | MOBJ: level 4 | | |
| 35 | Reserved | | | | | | | | | | 00 | | | |
| 36 | Reserved | | | | | | | | | | | | | |
| 37 | Reserved | | | | | | | | | | | | | |

| No. | Function | MSB | Bit pattern | | | | | | | LSB | Description | Default value (Hexadecimal) | |
|-----|---|---|-------------|---|------------|------------|---|---|---|------------|----------------------------|--------------------------------|--------------------------------|
| | | | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | | 0 |
| 38 | Line type automatic recognition | | | | | | | | | 0 | off | 88 (*) | |
| | | | | | | | | | | 1 | on | | |
| | 1 | MSAD connection | | | | | | | | 0 | not connect | | |
| | | | | | | | | | | 1 | connect | | |
| | 2 | KRDS communication mode (Note 1) | | | | | | | | 0 | DATA (Using a modem) | | |
| | | | | | | | | | | 1 | FAX | | |
| | 3-5 | Reserved | | | Don't care | | | | | | | | |
| | 6 | PM limit data length | | 0 | | | | | | | | | Upper 2-digit fixed (for host) |
| | | | 1 | | | | | | | | All 6-digit (for host) | | |
| 7 | Regular transmit communication Sequence control | 0 | | | | | | | | | Call back communication | | |
| | | 1 | | | | | | | | | No call back communication | | |
| 39 | 0-1 | Reserved | | | | | | | | Don't care | | 00 | |
| | 2 | RS-232 line error K01_XX (Note 2) | | | | | | | 0 | | copy enable | | |
| | | | | | | | | | 1 | | copy disable | | |
| | 3 | Modem AT command error K02_XX (Note 2) | | | | | | | 0 | | copy enable | | |
| | | | | | | | | | 1 | | copy disable | | |
| | 4 | Reserved | | | | Don't care | | | | | | | |
| | 5 | Force copy stop (at host side) (Note 3) | | | 0 | | | | | | | | disable |
| | | | | 1 | | | | | | | enable | | |
| 6-7 | Reserved | Don't care | | | | | | | | | | | |
| 40 | 0 | Force copy stop (Note 3) (at terminal equipment side) | | | | | | | | 0 | disable | 00 | |
| | | | | | | | | | | 1 | enable | | |
| | 1 | Jam history data clear | | | | | | | | 0 | disable | | |
| | | | | | | | | | | 1 | enable | | |
| | 2-5 | Reserved | | | Don't care | | | | | | | | |
| | 6 | User data access setting (local) (Note 4) | | 0 | | | | | | | | | Prohibition |
| | | | | 1 | | | | | | | | | Permission |
| 7 | Reserved | 0 | | | | | | | | | | | |

Note 1: KRDS Communications Mode (38 Byte, 2 bit) : This bit is set on “1” when the FAX option is connected and when the KRDS memory initialization operation is performed.

Note 2: For details of errors, refer to [10] Error code table.

Note 3: Copy prohibition: If DIP SWs 39-5 and 40-0 are both set to 1, then it becomes impossible to copy.

Note 4: There are three types of user data, speed dial data, programmed dial data and group dial data. Normally, due to maintenance of the confidentiality of user data, access to these data by service personnel is, as a rule, prohibited. If for any reason, access is necessary using KRDS, this switch can be changed to ‘1’, then access will be enabled. In this case, change the settings after obtaining the agreement of the customer.

6. Setting host password

This function sets the host password.

(1) Screen selection

Select the [9. KRDS setting] key in the 25 mode menu screen to display the KRDS setting menu screen as an initial screen.

Then select the [2. Host password set] key to display the host password setting screen.

(2) Setting method

a. Three patterns can be used to set KRDS host password. The entry screen, screen contents and setting method for each pattern are all the same. Each message, however, is different.

(There are only 2 patterns for a usable password.)

b. Press the [NEXT] or [BACK] key to 2change the screen.

c. Enter the host password, 5-digit number or alphabet, with the numeric keys on the screen and press the [SET] key.

d. The firstly entered number or alphabet will be shifted to the left end.

e. After inputting the password, it the [NEXT], [BACK] or [RETURN] key is pressed before pressing the key, the data that has been entered is canceled.

f. Press the [SET] key, and then press the [RETURN] key to set the entered password. The screen will return to the KRDS setting menu screen.

* As the host password is set to "00000" in factory setting, ensure to change it to the password which was set by the KRDS host application for communication.

Confirm the password of host side with KRDS host application administrator.

* Note that the host password setting (Host 1) must be performed.

* See the [5] Calling time set menu mode (Arbitrary) concerning "Host 2" settings.

* Do not care "Host 3."

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [9. KRDS setting] key. |
| 3 | [KRDS setting menu screen] Press the [2. Host password set] key. |
| 4 | [Host password setting screen] Enter password consisting of number and alphabet. |
| 5 | Press the [NEXT] or [BACK] key to change the screen, then enter password (up to 2 patterns). |
| 6 | Press the [SET] key. |
| 7 | Press the [RETURN] key to end the setting. |

7. Setting the KRDS telephone number

This function sets copier for KRDS and host telephone number.

(1) Screen selection

Select the [9. KRDS setting] key in the 25 mode menu screen to display the KRDS setting menu screen as an initial screen.

Then select the [3. KRDS TEL No. Setting] key to display the KRDS TEL NO setting screen.

(2) Setting method

- a. Three patterns can be used to set KRDS phone number. The entry screen, screen contents and setting method for each pattern are all the same. Each screen, however, is different.
- b. Press the [NEXT] or [BACK] key to change the screen.
- c. Enter the telephone number, 15-digit or less number, with the numeric keys on the screen and press the [SET] key.
- d. The entered number is displayed in the cursor section displayed in the line 2 of the message display area. The cursor shifts from left to right according to the entered.
If more than 15 digit is entered, the number of the 15 digit is rewritten.
- e. To reenter the telephone number, press the Stop/clear button to clear the data then enter the correct number.
- f. If you wish to change the number of an arbitrary position, press the [<<] or [>>] key to move the cursor to the desired position and reenter.
- g. No data has been set for the second row of the message area prior to shipping.

h. The keys except the numeric keys are defined as follows:

[,] Pause:

Wait temporarily for self-dial feed. (2-3 sec.)

[W] Wait:

Wait for dial tone such as asynchronous, etc. (excluding sound guidance).

[T] Tone Dial:

Indicate tone dial after this symbol

[P] Pulse Dial:

Indicate pulse dial after this symbol

[-] Symbol to divide numbers:

(This symbol is ignored when dialing.)


[.], [#], [*]:

Use these keys as required such extension number.

i. After inputting the password, if the [NEXT], [BACK] or [RETURN] key is pressed before pressing the [SET] key, the data that has been entered is canceled.

j. Press the [SET] key, and then press the [BACK] key to set the entered number. The screen will return to the KRDS setting menu screen.

* Note that the telephone number setting (copier) and telephone number setting (Host1) must be performed.

 Refer to [5] Calling time set menu mode (Arbitrary) for the (Host 2).

• Do not care "Host 3."

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [9. KRDS setting] key. |
| 3 | [KRDS setting menu screen] Press the [3. KRDS TEL No. setting] key. |
| 4 | [KRDS TEL No. setting screen] Enter telephone number (15-digit or less) consisting of number and alphabet with numeric keys. |
| 5 | Press the [NEXT] or [BACK] key to change the screen, then telephone number (up to 3 patterns). |
| 6 | Press the [SET] key. |
| 7 | Press the [RETURN] key to end the setting. |

8. Calling KRDS set up

<Auto set up>

In the host call setting, call the designated host computer in the set date and time, and transmit each data of the copier. Refer to the separate KRDS Host Application Manual for details of the data being handled.

(1) Screen selection

Select the [9. KRDS setting] in the 25 mode menu screen to display the KRDS setting menu screen.

Then select the [4. KRDS software SW set] to display the KRDS software SW set screen.

Check that the software DIP SW 33-0 is set to "0". After checking, press the [RETURN] key to return to the KRDS setting menu screen.

On the KRDS setting menu screen, select the [5. KRDS Setup calling] to display the calling host for setup screen.

Note: If the KRDS software DIPSW 33-0 (Set up flag) is not selected to "0" (not yet). The KRDS setup calling screen can not be selected.

(2) Setting method

a. Press the [Start] key in the screen.

(a) Communication message

Calling the host for setup
Communicating

Note: Do not turn OFF the power during communication.

(b) Completion message

Calling the host for setup
Communication completed

b. Turn off the power if no completion message is displayed in ten minutes.

Check that the host computer starting up correct, host phone number, cable connection, etc. then open to calling the host for setup screen again to press the [Start] key.

c. Turn off the power to end the operation.

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [9. KRDS setting] key. |
| 3 | [KRDS setting menu screen] Press the [4. KRDS software SW set] key. |
| 4 | [KRDS software SW set screen] Use the [▲], [▼] key to select the switch number to "33" and bit number "0". |
| 5 | Check that bit data indicates "0". If not, set to "0" to press the [OFF] key. |
| 6 | Press the [RETURN] key to return to the KRDS setting menu screen. |
| 7 | [KRDS setting menu screen] Press the [5. KRDS Setup calling] key. |
| 8 | [Calling the host for setup screen] Press the [Start] key. Check the message on the screen. |
| 9 | Turn off the power to end the operation. |

- How to confirm the completion of setup

Confirm the data at bit No. 0 of address 33 in reference to "4. Setting KRDS software DIP SW."

If "0", setup is not completed.

If "1", setup is completed.

<Manual set up>

This copier machine can be set up manually, other than the automatical setup as explained above. (The setup is effective when both the copier and the host have completed the setup action.)

- Operation for the copier machine
 1. Switch on the power of modem.
 2. Set the address No. 33 as referring to "4. Setting KRDS software DIP SW."
 3. Change the data of bit No. 0 from 0 to 1.
 - 0: Set up not completed
 - 1: Set up completed
 4. Establish the changed data by pressing the copy button.
 5. Switch off the power of main body.
- Operation for the host computer

For the operation of the host computer, refer to the KRDS Host Application Administrator's Manual.

[5] Calling Time Set Menu Mode (Arbitrary)

Select the [9. KRDS setting] key in the 25 mode menu screen to display the KRDS setting menu screen as an initial screen.

Then select the [1. Calling time set] key to display the calling time set menu screen.

Calling time set menu

1. Calling mode-1
2. Calling mode-2
3. Calling mode-3

Press the [RETURN] key to exit the calling time set menu screen and return to the KRDS setting screen.

- * This host calling setting calls everything to the "Host 2".
Therefore, it is necessary first to set the "Host 2" telephone No. and host password.

1. Setting calling time setting mode

This function sets designated date calling.

(1) Screen selection

Select the [1. Calling mode-1] (Setting designated date calling setting) in the calling time set menu screen to display the calling mode-1 (designated date calling) setting screen.

Press the [RETURN] key to exit the calling mode-1 (designated date calling) setting screen and return to the calling time set menu screen.

(2) Entering method

- a. Enter year, month, day and time using the numeric keys.
- b. The cursor that indicates entering position will be appeared in the message indication area at line 2.
- c. Using the [←], [→] key and move the cursor to desired position.
- d. If reenter the entered data, press the Stop/clear button to clear the entered data then enter the data again.
- e. Enter year, month, day and time using the numeric keys, then press the [SET] key.
- f. Enter year, month, day and time as follows.
 - The year is entered by inputting 4-digit in the Christian era.
 - The month and day are entered by inputting 2-digit number. (Example: 1 is entered as 01.)
 - The time is entered using 24 hour clock. (Example: 1:00p.m. is entered as 13.)
 - The minute is entered by inputting 2-digit number. (Example: 1 is entered as 01.)
 - Example:
at 1:00 p.m. of January 15, 1998 →
1998/01/15 13:00
- g. Press the [SET] key every time data for one item is entered and check the entered data.
- h. The screen will return to the calling time setting menu screen if the [RETURN] key is pressed without pressing the [SET] key. In this case, no entered data will be changed.

- i. Press the [SET] key, and then the [RETURN] key to end setting. The screen will return to the calling time set menu screen.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [9. KRDS setting] key. |
| 3 | [KRDS setting menu screen] Press the [1. Calling time set] key. |
| 4 | [Calling time set menu screen] Use the [1. Calling mode-1] (Setting designated date calling setting). |
| 5 | [Calling mode-1 (Designed date calling) setting screen] Enter year, month and day using the numeric key on the screen, then press the [<<], [>>] key to move the cursor to entering position of time. |
| 6 | Enter time and minute using the numeric keys on the screen, then press the [SET] key. |
| 7 | Press the [RETURN] to end the setting. |

2. Setting regular date & time calling

The copier will call the host at the regular time specified.

(1) Screen selection

Select the [2. Calling mode-2] (regular data & time calling setting) in the calling time set menu screen to display the calling mode-2 (regular data & time calling) setting screen.

Press the [RETURN] key to exit the calling mode-2 (regular data & time calling) setting screen and return to the calling time set menu screen.

(2) Mode selecting method

- a. Select and press the desired mode in the [monthly], [weekly], [daily] keys.

There are three mode type (month, week, day) that can be set.

- b. The current selected mode is high lighted according to the mode key.

At this time, the setting contents will be appeared in the message indication area at line 2.

(3) Mode setting method

Perform the operation in each mode as follows:

a. Monthly mode

- (a) Using the numeric keys, enter the day, hour and minute.
- (b) Press the [SET] key to enter the input data.

b. If you wish to change the number of an arbitrary position, press the [<<] or [>>] key to move the cursor to the desired position and reenter.

c. If reenter the entered data, press the Stop/clear button to clear the entered data then enter the data again.

d. Weekly mode

(a) Using the numeric keys, enter the day of the week, hour and minute.

(b) The day of the week is entered using the numeric keys according to the following definitions.

- 1: Monday 2: Tuesday 3: Wednesday
- 4: Thursday 5: Friday 6: Saturday
- 7: Sunday

(c) Press the [SET] key to enter the input data.

e. Daily mode

(a) Using the numeric keys, enter the hour and minute.

(b) Press the [SET] key to enter the input data.

f. Common operation

(a) The screen will return to the calling time set menu screen if the [RETURN] key is pressed without pressing the [SET] key. In this case, no entered data will be changed.

(b) Press the [SET] key, and then the [RETURN] key to end setting. The screen will return to calling time set menu screen.

(c) Enter the number with the numeric keys as follows:

- The month and day are entered by inputting 2-digit number. (Example: 1 is entered as 01.)
- The time is entered using 24 hour clock. (Example: 1:00p.m. is entered as 13.)
- Example:

Monthly mode: 10 17:10

Weekly mode: day 17:10

Daily mode: 17:10

| Step | Operation procedure |
|------|--|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [9. KRDS setting] key. |
| 3 | [KRDS setting menu screen] Press the [1. Calling time set] key. |
| 4 | [Calling time set menu screen] Use the [2. Calling mode-2] (regular time calling setting). |
| 5 | [Calling mode-2 (regular time calling) setting screen] Press the any key in [monthly], [weekly], [daily] keys. |
| 6 | Using the numeric keys on the screen, enter the day, hour and minute. (Item that can be input differs from depend on the mode.) |
| 7 | Press the [SET] key. |
| 8 | Press the [RETURN] to end the setting. |

3. Setting regular count calling

The copier will call the host at the regular count specified.

(1) Screen selection

Select the [3. Calling mode-3] (regular count) in the calling time set menu screen to display the Calling mode-3 (regular count call) setting screen.

Press the [RETURN] key to exit the Calling mode-3 (Regular count call) setting screen and return to the calling time set menu screen.

(2) Setting method

- a. Using the numeric keys on the screen, enter 6-digit number, regular count value, then press the [SET] key.
- b. To reenter the entered data, press the Stop/clear button to clear the entered data then enter the data again.
- c. The entered numerical value is entered from the number of 4 digit. The number is displayed while shifting from right to left.
- d. The screen will return to the calling time set menu screen if the [RETURN] key is pressed without pressing the [SET] key. In this case, no entered data will be changed.
- e. Press the [SET] key then the [RETURN] key to end the setting. The screen will return to the calling time set menu screen.

[6] KRDS Host Call

If the machine is connected to a KRDS, it can call the host at the service center.

- a. Select the [JAM history] (JAM-related trouble call), [SC history] (SC-related trouble call), [No TONER], [No PAPER], [COPY QUALITY] (Copy quality-related trouble call) or [OTHER REASON] (Other call), depending upon the particular circumstances.

KRDS host menu

1. JAM history
 2. SC history
 3. NO TONER
 4. NO PAPER
 5. COPY QUALITY
 6. OTHER REASON
- b. When the [Start] key is pressed, the machine starts calling the host.

Caution: Do not turn OFF the power during communication.

| Step | Operation procedure |
|------|---|
| 1 | Enter the 25 mode. |
| 2 | [25 mode menu screen] Press the [9. KRDS setting] key. |
| 3 | [KRDS setting menu screen] Press the [1. Calling time set] key. |
| 4 | [Calling time set menu screen] Use the [3. Calling mode-3] (regular count). |
| 5 | [Calling mode-3 (regular count call) setting screen] Using the numeric keys on the screen, enter number, regular count value, then press the [SET] key. |
| 6 | Press the [RETURN] to end the setting. |

3 [7] Data to be Processed

- For the data that KRDS can process, refer to the Service HandBook for the copier, [4] Data Collection in the 25 mode “Adjustment.”
- You can refer to the data that KRDS can process. For detailed procedure, refer to the Service HandBook for the copier, [4] Data Collection in the 25 mode “Adjustment.”

3 [8] FAX KRDS Auto On Function

If the FAX option is installed, the FAX-KRDS mode automatically becomes effective when the main power is turned ON.

(Mode 25 \emptyset Software DIP SW12–6:1 (connected)

KRDS software DIP SW 38-2: Set on 1 (FAX).)

Even if the FAX option is installed, if the FAX KRDS function is not used, (if a modem is used), the above FAX KRDS auto on function is deactivated by changing the settings below.

However, in [8] “Setting the Serial number” in 25 Mode, if the “Destination” setting is DE: German, FAX KRDS mode does not become valid even if the FAX option is installed.

3 [9] A Point to Notice for Operation

Be sure to turn ON the main power of the copier if the modem power is turned OFF and ON with the main power OFF.

Reason: To initialize the modem.

(When the KRDS circuit is powered, it automatically initialized the modem following the modem power ON and OFF operations.

When the main power of the copier is OFF, however, the KRDS circuit is not powered and does not initialize the modem after the modem power ON and OFF operations.

Some types of modem cannot start communication with KRDS unless they are initialized by the KRDS.)

| Step | Operation procedure |
|------|--|
| 1 | Enter the key operator mode. |
| 2 | [Key operator mode menu screen] Press the FAX setting key and display the FAX setting menu. |
| 3 | [FAX setting menu screen] Press the special setting key and display the password input screen. |
| 4 | Input the password [9] [2] [7] [2], then press the [OK] key. |
| 5 | [FAX setting menu screen] Press the nonvolatile parameters key. |
| 6 | [Nonvolatile parameter setting screen] Press the function parameters setting key. |
| 7 | Turn address 0E0138: bit 0 (Auto On/Off function for FAX KRDS) OFF. Refer to FK-101 Service Handbook for more detail. |

3 [10] ASCII Code Table

ASCII is 1 byte code specified by ANSI.

It enables indication of control code, alphabet and number.

| character | binary | hexa-decimal | character | binary | hexa-decimal | character | binary | hexa-decimal | character | binary | hexa-decimal |
|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--------------|-----------|-----------|--------------|
| | 0000:0000 | 0 | | 0010:0000 | 20 | @ | 0100:0000 | 40 | ' | 0110:0000 | 60 |
| SH | 0000:0001 | 1 | ! | 0010:0001 | 21 | A | 0100:0001 | 41 | a | 0110:0001 | 61 |
| SX | 0000:0010 | 2 | " | 0010:0010 | 22 | B | 0100:0010 | 42 | b | 0110:0010 | 62 |
| EX | 0000:0011 | 3 | # | 0010:0011 | 23 | C | 0100:0011 | 43 | c | 0110:0011 | 63 |
| ET | 0000:0100 | 4 | \$ | 0010:0100 | 24 | D | 0100:0100 | 44 | d | 0110:0100 | 64 |
| EQ | 0000:0101 | 5 | % | 0010:0101 | 25 | E | 0100:0101 | 45 | e | 0110:0101 | 65 |
| AK | 0000:0110 | 6 | & | 0010:0110 | 26 | F | 0100:0110 | 46 | f | 0110:0110 | 66 |
| BL | 0000:0111 | 7 | ' | 0010:0111 | 27 | G | 0100:0111 | 47 | g | 0110:0111 | 67 |
| BS | 0000:1000 | 8 | (| 0010:1000 | 28 | H | 0100:1000 | 48 | h | 0110:1000 | 68 |
| HT | 0000:1001 | 9 |) | 0010:1001 | 29 | I | 0100:1001 | 49 | i | 0110:1001 | 69 |
| LF | 0000:1010 | A | * | 0010:1010 | 2A | J | 0100:1010 | 4A | j | 0110:1010 | 6A |
| HM | 0000:1011 | B | + | 0010:1011 | 2B | K | 0100:1011 | 4B | k | 0110:1011 | 6B |
| CL | 0000:1100 | C | , | 0010:1100 | 2C | L | 0100:1100 | 4C | l | 0110:1100 | 6C |
| CR | 0000:1101 | D | - | 0010:1101 | 2D | M | 0100:1101 | 4D | m | 0110:1101 | 6D |
| S0 | 0000:1110 | E | . | 0010:1110 | 2E | N | 0100:1110 | 4E | n | 0110:1110 | 6E |
| S1 | 0000:1111 | F | / | 0010:1111 | 2F | O | 0100:1111 | 4F | o | 0110:1111 | 6F |
| DE | 0001:0000 | 10 | 0 | 0011:0000 | 30 | O | 0101:0000 | 50 | p | 0111:0000 | 70 |
| D1 | 0001:0001 | 11 | 1 | 0011:0001 | 31 | Q | 0101:0001 | 51 | q | 0111:0001 | 71 |
| D2 | 0001:0010 | 12 | 2 | 0011:0010 | 32 | R | 0101:0010 | 52 | r | 0111:0010 | 72 |
| D3 | 0001:0011 | 13 | 3 | 0011:0011 | 33 | S | 0101:0011 | 53 | s | 0111:0011 | 73 |
| D4 | 0001:0100 | 14 | 4 | 0011:0100 | 34 | T | 0101:0100 | 54 | t | 0111:0100 | 74 |
| NK | 0001:0101 | 15 | 5 | 0011:0101 | 35 | U | 0101:0101 | 55 | u | 0111:0101 | 75 |
| SN | 0001:0110 | 16 | 6 | 0011:0110 | 36 | V | 0101:0110 | 56 | v | 0111:0110 | 76 |
| EB | 0001:0111 | 17 | 7 | 0011:0111 | 37 | W | 0101:0111 | 57 | w | 0111:0111 | 77 |
| CN | 0001:1000 | 18 | 8 | 0011:1000 | 38 | X | 0101:1000 | 58 | x | 0111:1000 | 78 |
| EM | 0001:1001 | 19 | 9 | 0011:1001 | 39 | Y | 0101:1001 | 59 | y | 0111:1001 | 79 |
| SB | 0001:1010 | 1A | : | 0011:1010 | 3A | Z | 0101:1010 | 5A | z | 0111:1010 | 7A |
| EC | 0001:1011 | 1B | ; | 0011:1011 | 3B | [| 0101:1011 | 5B | { | 0111:1011 | 7B |
| → | 0001:1100 | 1C | < | 0011:1100 | 3C | ¥ | 0101:1100 | 5C | | 0111:1100 | 7C |
| ← | 0001:1101 | 1D | = | 0011:1101 | 3D |] | 0101:1101 | 5D | } | 0111:1101 | 7D |
| ↑ | 0001:1110 | 1E | > | 0011:1110 | 3E | ^ | 0101:1110 | 5E | ~ | 0111:1110 | 7E |
| ↓ | 0001:1111 | 1F | ? | 0011:1111 | 3F | _ | 0101:1111 | 5F | | 0111:1111 | 7F |

△ [11] Error Code Table


| Error code | Contents | Countermeasure |
|------------|---|---|
| △ K00_00 | Connection NG. (NO CONNECT from modem, Time out.) | Redial, repeat reception standby. |
| K00_01 | No response from other party. (No detection of start text from host after establishing connection.) | Redial, repeat reception standby. |
| K00_02 | Because copying is taking place, it is impossible to write to the non-volatile memory and the line is cut. | Temporarily stop copying. |
| K00_03 | Password does not match. | Check password. |
| K00_04 | Serial number does not match. | Check serial number. |
| △ K00_05 | Syntactical error. (When undefined commands or parameters come.) | Redial. |
| K00_06 | Write-in indication on an item for which write-in is impossible. | Re-operation on host side. |
| K00_07 | Unread item error. | Re-operation on host side. |
| K00_08 | Signal reception time-out after detection other party response. (After communications of start text have ended.) | Redial. |
| △ K00_09 | Serial number registration completed. | Check serial number. |
| K00_10 | Communications error due to generation of carrier OFF. (NO CARRIER detected from the modem.) | Redial. |
| △ K00_11 | Dial tone is not detected within 5 seconds after setting of x2 and x4 commands. | Check connection of telephone line. |
| K00_12 | Busy signal detected. | Redial. |
| △ K00_13 | No tone detected for 5 seconds after input of @ command. | Redial. |
| K01_00 | DTR went to OFF or in OFF state. | Check modem power source. Check RS-232C cable connection. |
| K01_01 | Cannot open RS-232C. | Turn power on copier OFF and ON. |
| K01_02 | Cannot close RS-232C. | Turn power on copier OFF and ON. |
| K01_03 | Response time-out from RS-232C task. | Check modem power source. Check RS-232C cable connection. |
| K02_00 | AT command error. | Turn power on copier OFF and ON. Possibility of modem malfunction or software bug. |
| K02_01 | Initializing NG (MODEM). Example: Modem initializing command no good. | Check modem power source. Check RS-232C cable connection. |

blank



SERVICE

Main Precautions for Maintenance

1. Points to be confirmed before maintenance
Before starting maintenance, ask a user and collect information about troubles occurred on the machine before the maintenance and the conditions of the machine to grasp key points for the maintenance.
 2. Copy sample
Be sure to make copy samples at the start and the end of maintenance for checking images.
 3. Drum
 - 1) Never expose the drum to the sunlight. Be also careful not to expose a drum to indoor light as far as possible. When a drum unit or a drum is out of the machine, never fail to cover it with a drum cover.
 - 2) When replacing a drum or a cleaning blade, refer to item of mounting/dismounting of a cleaning blade for doing a replacement work.
 4. After replacing a drum, be sure to reset a drum counter before image adjustment. After replacing developer, L detection adjustment must be conducted also.
 5. When maintenance is completed, be sure to reset the PM counter. Incidentally, a development counter is reset automatically in the course of L detection adjustment.
 6. When replacing a toner bottle, wait until the toner supply LED on the operation panel flashes before the replacement.
-  **Caution:** Turn the main switch off and pull out the power plug without fail before the work of maintenance.

SERVICE SCHEDULE

[1] Service Schedule

4 1. 7020/7025/7030/7035/7022/7130/7135

| Service item (cycles) | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
|-------------------------|--|----|----|----|----|----|----|----|----|----|-----|-----|
| Main body | Maintenance (Every 100,000 copies or prints) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Periodic check (I) (Every 200,000 copies or prints) | | ● | | ● | | ● | | ● | | ● | |
| | Periodic check (II) (Every 300,000 copies or prints) | | | ● | | | ● | | | ● | | |
| | Periodic check (III) (Every 400,000 copies or prints) | | | | ● | | | | ● | | | |
| | Periodic check (IV) (Every 600,000 copies or prints) | | | | | | ● | | | | | |
| DF-314 | Maintenance (Every 100,000 copies or prints) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Periodic check (Every 1,000,000 copies or prints) | | | | | | | | | | ● | |
| DB-409*/410 (LCT) | Maintenance (Every 100,000 copies or prints) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Periodic check (Every 200,000 copies or prints) | | ● | | ● | | ● | | ● | | ● | |
| DB-209*/210 (2 Tray) | Maintenance (Every 100,000 copies or prints) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Periodic check (Every 400,000 copies or prints) | | | | ● | | | | ● | | | |
| FS-107 | Maintenance (Every 100,000 copies or prints) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Periodic check (Every 600,000 copies or prints) | | | | | | ● | | | | | |

4 * DB-209/DB-409 do not yet support 7035/7022/7130/7135.

[2] Maintenance Items

1. Main body (Every 100,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|------------------|--|--------------------------|-------------------------------|-------|------------------|-----------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replac- ment | Supply | |
| 1 | Preparations | (1) Image check | | | ● | | | | |
| | | (2) Exterior check | | | ● | | | | |
| 2 | Fixing unit | (1) Removal of fixing unit | | | | | | | |
| 3 | Reading section | (1) Original glass | | ● | | | | | Drum cleaner/cleaning pad |
| | | (2) Original glass/1 (slit glass) | | ● | | | | | Drum cleaner/cleaning pad |
| | | (3) Optics mirror/1 (lamp unit mirror) | | ● | | | | | Drum cleaner/cleaning pad |
| | | (4) Optics mirror/2 (V-mirror) | | | | | | | Drum cleaner/cleaning pad |
| 4 | Paper feed unit | (1) Double feed prevention roller (upper) | | ● | | | | | Drum cleaner/cleaning pad |
| | | (2) Feed roller | | ● | | | | | Drum cleaner/cleaning pad |
| | | (3) Double feed prevention roller (lower) | | ● | | | | | Drum cleaner/cleaning pad |
| | | (4) Paper dust removing brush | | ● | | | | | Blower brush/cleaning pad |
| 5 | Bypass feed unit | (1) By-pass reverse roller | | ● | | | | | Drum cleaner/cleaning pad |
| | | (2) By-pass pickup roller | | ● | | | | | Drum cleaner/cleaning pad |
| | | (3) By-pass conveyance roller | | ● | | | | | Drum cleaner/cleaning pad |
| 6 | Fixing unit | (1) Fixing claw | | ● | | | | | Drum cleaner/cleaning pad |
| | | (2) Fixing sensor | | ● | | | | | Drum cleaner/cleaning pad |
| | | (3) Fixing thermostat | | ● | | | | | Drum cleaner/cleaning pad |
| | | (4) Fixing heat roller 26NA5303* (Other than 7035/7135) 26TA5303* (7035) 26YF5303* (7135) | 1 | | | | ● | | |
| | | (5) Fixing press roller 26NA5304* (Other than 7035/7135) 26TA5304* (7035/7135) | 1 | | | | ● | | |
| | | (6) Fixing web (Note 1) 26NA5343*(7020/25/30/35) | 1 | | | | ● | | 7020/25/30/35 |
| | | (7) Heat insulating sleeve/A 26NA5372* | 2 | | | | ● | | |
| | | (8) Heat insulating sleeve/B 26NA5373* | 1 | | | | ● | | |
| | | (9) Fixing cleaning roller (Note 1) 26NA5383*(7020/25/30/35) | 1 | | | | ● | | |
| | | (10) Install of fixing unit | | | | | | | |

Note 1: For the 7022/7130/7135, these parts shall be replaced at the time of 200,000 copy counting.

It is recommended that you replace the entire cleaner assembly (26NA-540*) as a unit instead of replacing individual parts.

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|----------------|--|--------------------------|-------------------------------|-------|------------------|-----------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replac- ment | Supply | |
| 7 | Main body | (1) Suction filter/A 40LA-318* (7135) | | | | | ● | | |
| | | (2) Filter cover assembly (Note 2) 40LA-314* (7135) | | | | | ● | | |
| | | (3) Internal cooling fan (FM4) Suction filter | | ● | ● | | | | Blower brush |
| 8 | Final check | (1) Toner bottle | | | ● | | | | |
| | | (2) Check of W.U.T measurement | | | ● | | | | |
| | | (3) Check of image adjustment | | | ● | | | | |
| | | (4) Check of copy samples | | | ● | | | | |
| | | (5) Fixing counter reset (Note 3) (7020/25/30/35) | | | ● | | | | |
| | | (6) Reset of PM counter | | | ● | | | | |
| | | (7) Check of leakage breaker | | | ● | | | | |
| | | (8) Peripheral and exterior of the machine | | ● | ● | | | | Drum cleaner/cleaning pad |

Note 2: For the 7022/7130/7135, these parts shall be replaced at the time of 600,000 copy counting.

Note 3: For the 7022/7130/7135, the counter is reset at 200,000 copies.

Remarks: ● and ◎ in the maintenance category denote the following.

Maintenance items with ● marking are compulsory. And, as for those with ◎, maintenance personnel is to decide whether or not replacement is necessary by checking the actual durable count.

SERVICE

2. DF-314 (Every 100,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|--------------------|--|--------------------------|-------------------------------|-------|------------------|-----------------|--------|--|
| | | | | Cleaning | Check | Lubri- cation | Replac- ment | Supply | |
| 1 | Inside the machine | (1) Registration sensor | | ● | | | | | Blower brush |
| | | (2) Read sensor | | ● | | | | | Blower brush |
| | | (3) Size detection sensors (at two locations) | | ● | | | | | Blower brush |
| | | (4) Feeding roller | | ● | | | | | Drum cleaner/cleaning pad |
| | | (5) Duple feed prevention roller | | ● | | | | | Drum cleaner/cleaning pad |
| | | (6) Read roller | | ● | | | | | Water/cleaning pad Caution: Do not use alcohol. |
| | | (7) Paper dust removing brush | | ● | | | | | Blower brush |

3. DB (DB-209/210/409/410) (Every 100,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|--------------------|---|--------------------------|-------------------------------|-------|------------------|-----------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replac- ment | Supply | |
| 1 | Paper feed section | (1) Double feed prevention roller (upper) | | ● | | | | | Drum cleaner/cleaning pad |
| | | (2) Feed roller | | ● | | | | | Drum cleaner/cleaning pad |
| | | (3) Duple feed prevention roller (lower) | | ● | | | | | Drum cleaner/cleaning pad |

4. FS-107 (Every 100,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|--------------------|-------------------------------|--------------------------|-------------------------------|-------|------------------|-----------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replac- ment | Supply | |
| 1 | Conveyance section | (1) Conveyance drive roller/A | | ● | | | | | Drum cleaner/cleaning pad |
| | | (2) Paper exit drive roller | | ● | | | | | Drum cleaner/cleaning pad |

[3] Periodic Check Items (Main Body)

1. Periodic check (I) (Every 200,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|---------------------------------|--|--------------------------|-------------------------------|-------|------------------|------------------|--------|--------------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replace- ment | Supply | |
| 1 | Drum unit | (1) Drum | 1 | | | | ● | | Setting powder |
| | | (2) Cleaning blade assembly 26NA-209* (7020/25/30) 26TA-209* (Other than 7020/25/35) | 1 | | | | ● | | |
| | | (3) Drum counter reset | | | ● | | | | |
| 2 | Charging corona unit | (1) Charging wire | | ● | | | | | Cotton swab |
| | | (2) Charging control plate | | ● | | | | | Cleaning pad |
| 3 | Transfer/separation corona unit | (1) Corona wire | | ● | | | | | Cotton swab (Transfer/separation) |
| 4 | Developing section | (1) Developer (include the developing unit installing) | 1 | | | | ● | | |
| | | (2) L-detection adjustment | | | ● | | | | |
| 5 | Main body | (1) Ozone filter 26NA1017* (7020/25/30) 20WA1017* (7022/7130) 26TA1017* (7035/7135) | 1 1 | | | | ● | | |
| | | (2) Suction filter/A 26TA3111*(Other than 7020/25/35/7135) | | | | | ● | | |
| 6 | Fixing unit | (1) Separation claw 26NA5427* | 6 | | | | ● | | |
| | | (2) Fixing roller holder/Upper 26NA5371* | 2 | | | | ● | | |
| | | (3) Fixing roller holder/Lower 26NA5359* | 2 | | | | ● | | |
| | | (4) Fixing Web (Note 1) 26NA5343* (7022/7130/7135) | 1 | | | | ● | | 7022/7130/7135 |
| | | (5) Fixing cleaning roller (Note 1) 26NA5383* (7022/7130/7135) | 1 | | | | ● | | 7022/7130/7135 |
| 7 | Final check | (1) Fixing counter reset (7022/7130/7135) | | | ● | | | | |
| | | (2) Check of image adjustment | | | ● | | | | |

Note 1: It is recommended that you replace the entire cleaner assembly (26NA-540*) as a unit instead of replacing individual parts.

SERVICE

2. Periodic check (II) (Every 300,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|----------------|--|--------------------------|-------------------------------|-------|------------------|-----------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replac- ment | Supply | |
| 1 | Bypass feed | (1) By pass reverse roller 40AA-406* | 1 | | | | ◎ | | Actual durable count : 100,000 |
| | | (2) By pass pickup roller 26NA-428* | 1 | | | | ◎ | | Actual durable count : 100,000 |
| | | (3) By pass conveyance roller 40AA-425* | 1 | | | | ◎ | | Actual durable count : 100,000 |

3. Periodic check (III) (Every 400,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|------------------------------------|---|--------------------------|-------------------------------|-------|------------------|-----------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replac- ment | Supply | |
| 1 | Main body paper feed unit | (1) Feed rubber 26NA4009* | 2 | | | | ◎ | | Actual durable count : 200,000 |
| | | (2) Double feed prevention rubber/Upper 26NA4011* | 2 | | | | ◎ | | Actual durable count : 200,000 |
| | | (3) Double feed prevention rubber/Lower 26NA4012* | 2 | | | | ◎ | | Actual durable count : 200,000 |
| 2 | Transfer/separation corona unit | (1) Transfer/separation corona unit 26NA-260* | 1 | | | | ● | | |
| 3 | Fixing unit | (1) Fixing sensor 26NA8801* | 1 | | | | ● | | |
| | | (2) Fuse mounting plate assembly 26NA-535* | 1 | | | | ● | | |
| | | (3) Fixing heater /1 26N*8302* (Other than 7135) | 1 | | | | ● | | |
| | | (4) Fixing heater /2 26N*8303* (Other than 7135) | 1 | | | | ● | | |

4. Periodic check (IV) (Every 600,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|--------------------|--|--------------------------|-------------------------------|-------|------------------|-----------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replac- ment | Supply | |
| 1 | Developing unit | (1) Developing unit (Unit without developer) 26NA-300* (7020/25/30) 26TA-300* (Other than 7020/25/30) | 1 | | | | ● | | |
| 2 | Drum unit | (2) Drum unit (Unit without drum) 26NA-990* (7020/25/30) 26WA-990* (Other than 7020/25/30) | 1 | | | | ● | | |
| 3 | Main unit | (3) Filter cover assembly 26TA-314* (7022/7130/7035) | 1 | | | | ● | | |

[4] Periodic Check Items (Options)**1. RADF (DF-314) (Every 1,000,000 copies or prints)**

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|--------------------|---|--------------------------|-------------------------------|-------|------------------|------------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replace- ment | Supply | |
| 1 | Paper feed section | (1) Paper feed roller/A 13GL4011* | 1 | | | | ☉ | | Actual durable count : 250,000 |
| | | (2) Double feed prevention roller/A assembly 13GL-405* | 1 | | | | ☉ | | Actual durable count : 250,000 |

- Above replacement standard estimating DF usage ratio is 25%.

2. DB (DB-409/410) (Every 200,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|--------------------|--|--------------------------|-------------------------------|-------|------------------|------------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replace- ment | Supply | |
| 1 | Paper feed section | (1) Feed rubber 26NA4009* | 1 | | | | ● | | |
| | | (2) Double feed prevention rubber/Upper 26NA4011* | 1 | | | | ● | | |
| | | (3) Double feed prevention rubber/Lower 26NA4012* | 1 | | | | ● | | |

3. DB (DB-209/210) (Every 400,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|--------------------|--|--------------------------|-------------------------------|-------|------------------|------------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replace- ment | Supply | |
| 1 | Paper feed section | (1) Feed rubber 26NA4009* | 2 | | | | ☉ | | Actual durable count : 200,000 |
| | | (2) Double feed prevention rubber/Upper 26NA4011* | 2 | | | | ☉ | | Actual durable count : 200,000 |
| | | (3) Double feed prevention rubber/Lower 26NA4012* | 2 | | | | ☉ | | Actual durable count : 200,000 |

4. FNS (FS-107) (Every 600,000 copies or prints)

| No. | Classification | Service item | Number of parts replaced | Implementation classification | | | | | Material used Tools used, etc. |
|-----|--------------------|--------------------------------|--------------------------|-------------------------------|-------|------------------|------------------|--------|-----------------------------------|
| | | | | Cleaning | Check | Lubri- cation | Replace- ment | Supply | |
| 1 | Paper exit section | (1) Exit roller/A 13GQ4519* | 1 | | | | ● | | |

[5] List of Actual Durable Counters for Replacement Parts

| 7020/25/30 | Other than 7020/25/30 | Unit | Parts name | Parts No. | | | | Actual durable count | |
|------------|-----------------------|--|---|---|-------------|-------------------------------|-------------|----------------------|---------|
| | | | | 7020/25/30 | 7035 | Other than 7020/25/30/35/7135 | 7135 | | |
| 1 | 1 | DC (including changing corona unit) | Drum | Ñ | Ñ | Ñ | Ñ | 200,000 | |
| 2 | 2 | | Cleaning blade assembly | 26NA-209* | 26TA-209* | ← | ← | 200,000 | |
| 3 | 3 | | Drum unit | 26NA-990* | 26WA-990* | ← | ← | 600,000 | |
| 4 | 4 | Transfer separation corona unit | Transfer separation corona unit | 26NA-260* | ← | ← | ← | 400,000 | |
| 5 | 5 | Developing unit | Developer | Ñ | Ñ | Ñ | Ñ | 200,000 | |
| 6 | 6 | | Developing unit | 26NA-300* | 26TA-300* | ← | ← | 600,000 | |
| 7 | 7 | Main body | Ozone filter | 26NA1017* | 26TA1017* | 26WA1017* | 26TA1017* | 200,000 | |
| 8 | 8 | | Suction filter/A (7035 only) | Ñ | 26TA3111* | ← | 40LA-318* | 200,000 Note4 | |
| 9 | 9 | | Filter cover assembly (7035 only) | Ñ | 26TA-314* | ← | 40LA-314* | 600,000 Note4 | |
| 8 | 10 | Main body paper feed unit | (Tray1) Feed rubber | 26NA4009* | ← | ← | ← | 200,000 | |
| 9 | 11 | | (Tray1) Double feed prevention rubber/Upper | 26NA4011* | ← | ← | ← | 200,000 | |
| 10 | 12 | | (Tray1) Double feed prevention rubber/Lower | 26NA4012* | ← | ← | ← | 200,000 | |
| 11 | 13 | | (Tray2) Feed rubber | 26NA4009* | ← | ← | ← | 200,000 | |
| 12 | 14 | | (Tray2) Double feed prevention rubber/Upper | 26NA4011* | ← | ← | ← | 200,000 | |
| 13 | 15 | | (Tray2) Double feed prevention rubber/Lower | 26NA4012* | ← | ← | ← | 200,000 | |
| 14 | 16 | | DB (Tray3 or LCT) paper feed unit | (Tray3 or LCT) DB feed rubber | 26NA4009* | ← | ← | ← | 200,000 |
| 15 | 17 | | | (Tray3 or LCT) DB double feed prevention rubber/Upper | 26NA4011* | ← | ← | ← | 200,000 |
| 16 | 18 | | | (Tray3 or LCT) DB double feed prevention rubber/Lower | 26NA4012* | ← | ← | ← | 200,000 |
| 17 | 19 | | DB (Tray4) paper feed unit | (Tray4) DB feed rubber | 26NA4009* | ← | ← | ← | 200,000 |
| 18 | 20 | (Tray4) DB double feed prevention rubber/Upper | | 26NA4011* | ← | ← | ← | 200,000 | |
| 19 | 21 | (Tray4) DB double feed prevention rubber/Lower | | 26NA4012* | ← | ← | ← | 200,000 | |
| 20 | 22 | By-pass feed unit | By-pass reverse roller | 40AA-406* | ← | ← | ← | 100,000 | |
| 21 | 23 | | By-pass pick up roller | 26NA-428* | ← | ← | ← | 100,000 | |
| 22 | 24 | | By-pass conveyance roller | 40AA-425* | ← | ← | ← | 100,000 | |
| 23 | 25 | Fixing unit | Fixing heat roller | 26NA5303* | 26TA5303* | 26NA5303* | 26YF5303* | 100,000 | |
| 24 | 26 | | Fixing pressure roller | 26NA5304* | 26TA5304* | 26NA5304* | 26TA5304* | 100,000 | |
| 25 | 27 | | Fixing web | 26NA5343* | ← | ← | ← | 100,000 Note2 | |
| 26 | 28 | | Heat insulating sleeve/A | 26NA5372* | ← | ← | ← | 100,000 | |
| 27 | 29 | | Heat insulating sleeve/B | 26NA5373* | ← | ← | ← | 100,000 | |
| 28 | 30 | | Fixing cleaning roller | 26NA5383* | ← | ← | ← | 100,000 Note2 | |
| 29 | 31 | | (Cleaner assembly) Note 3 | (26NA-540*) | (26TA-540*) | (26NA-540*) | (26TA-540*) | 100,000 Note2 | |
| 30 | 32 | | Fixing claw | 26AA5427* | ← | ← | ← | 200,000 | |
| 31 | 33 | | Fixing roller holder/Upper | 26NA5371* | ← | ← | ← | 200,000 | |
| 32 | 34 | | Fixing roller holder/Lower | 26NA5359* | ← | ← | ← | 200,000 | |
| 33 | 35 | | Fixing sensor | 26NA8801* | ← | ← | ← | 400,000 | |
| 34 | 36 | | Fuse mounting plate assembly | 26NA-535* | ← | ← | ← | 400,000 | |
| 35 | 37 | | Fixing heater/1 | 26**8302* | ← | ← | 26N*8302* | 400,000 | |
| 36 | 38 | Fixing heater/2 | 26**8303* | ← | ← | 26N*8303* | 400,000 | | |
| 37 | 39 | DF-314 | Paper feed roller/A | 13GL4011* | ← | ← | ← | 250,000 | |
| 38 | 40 | | Double feed prevention roller/A assembly | 13GL-405* | ← | ← | ← | 250,000 | |
| 39 | 41 | FS-107 | Paper exit roller/A | 13GQ4519* | ← | ← | ← | 600,000 | |

Note 1: * Parts varies depending on the spec. (destination), and the 9th digit will be changed in accordance with the design change of the parts.

Note 2: Becomes 200,000 for machines other than 7020/25/30/35/7135.

Note 3: It is recommended that you replace the "cleaner assembly" instead of the "fixing web" and the "fixing cleaning roller".

Note 4: Becomes 100,000 for 7135.

[6] Important Maintenance Parts

- The important parts specified by Konica in order to maintain safety of the products are referred to as "important maintenance parts".

The important maintenance parts for this machine are as described below:

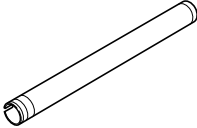
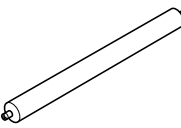
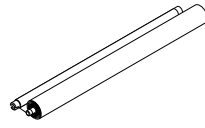
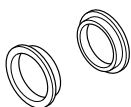

| No. | Unit classification | Parts name | Parts No | Qty |
|-----|---------------------|------------------------------|-----------|-----|
| 1 | Fixing unit | Fuse mounting plate assembly | SP00-0110 | 1 |

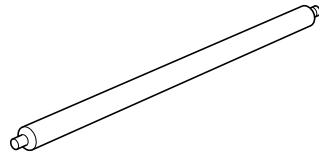
- "SP" is indicated in front of the parts number of the important maintenance part. Exercise care when installing the parts according to precautions in "3. DISASSEMBLY/ASSEMBLY".

COPY MATERIALS

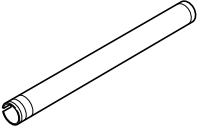
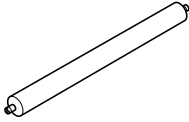


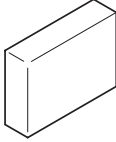
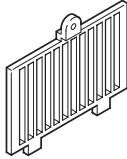
[1] PM Parts Kit

1. 7020/25/30/35 (100,000 copies/kit)

| Name | Quantity |
|---|----------|
| Fixing heat roller  | 1 |
| Fixing pressure roller  | 1 |
| Fixing web  | 1 |
| Heat insulating sleeve/A  | 2 |
| Heat insulating sleeve/B  | 1 |

| Name | Quantity |
|--|----------|
| Fixing cleaning roller  | 1 |
| | |
| | |
| | |

2. 7022/7130/7135 (100,000 copies/kit)

| Name | Quantity |
|---|----------|
| Fixing heat roller  | 1 |
| Fixing pressure roller  | 1 |
| Heat insulating sleeve/A  | 2 |
| Heat insulating sleeve/B  | 1 |
| Suction filter /A (7135 only) (Note)  | 1 |
| Filter cover assembly (7135 only)  | 1 |

Note: Check the installing directions referring to "Assembly/Disassembly - External Section".

| | |
|--|--|
| | |
| | |
| | |

[2] Consumables (Single Unit Supply)

1. 7020/25/30/35


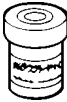
| Name | Durability/copies |
|--------------|-------------------|
| Toner bottle | 26,000 |
| Developer | 200,000 |
| Drum | 200,000 |

2. 7022/7130/7135

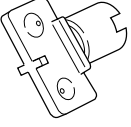
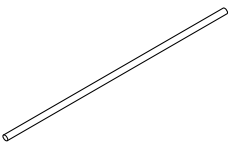


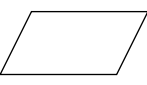

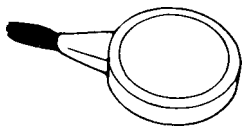
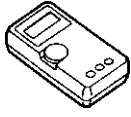
| Name | Durability/copies |
|--------------|-------------------|
| Toner bottle | 29,391 |
| Developer | 200,000 |
| Drum | 200,000 |

SERVICE MATERIALS LIST

[1] Maintenance Kit Composition

| Material No. | Description | Shape | Remark |
|--------------|----------------|---|--------|
| 000V-19-0 | Setting powder |  <div style="text-align: right;">25 g</div> | |
| | | | |
| 00GR00210 | Solvest 240 |  | |

SPECIAL TOOLS LIST

| Tool No. | Description | Shape | Quantity | Remark |
|-----------|------------------------|---|----------|---------------------------|
| 26NA21340 | Drum rotation material |  | 1 | Mounted on the drum unit. |
| 26NAJG011 | Mirror positioning jig |  | 2 | |
| 00VD-5000 | New pyramid chart |  | 1 | |
| 120A97110 | ADJ chart |  | 1 | |
| 120A97120 | White chart |  | 1 | |
| 00VC-2-00 | Drum cover |  | 1 | |
| 00VD-1000 | Blower brush |  | 1 | |
| 00VE-1004 | Tester |  | 1 | |

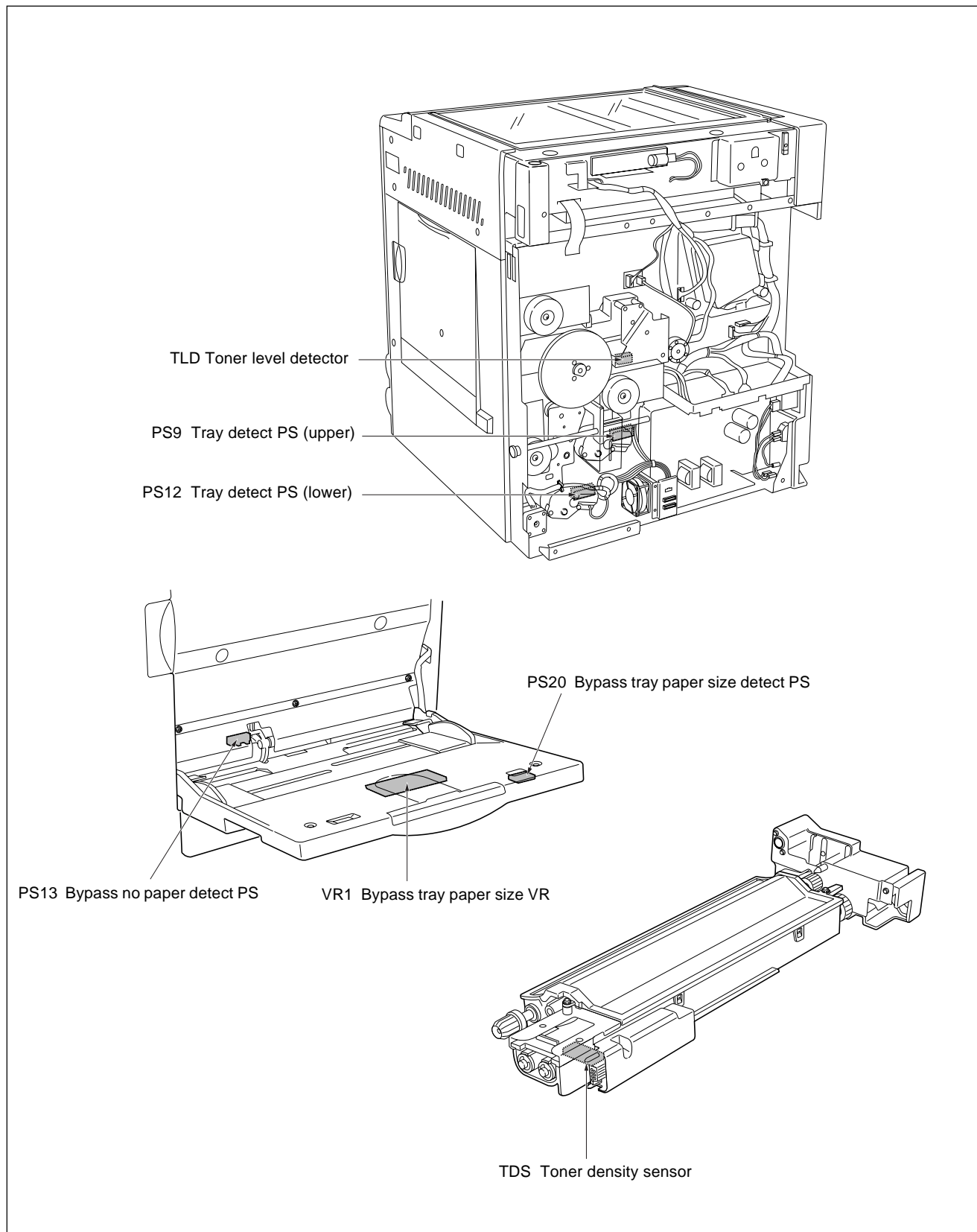
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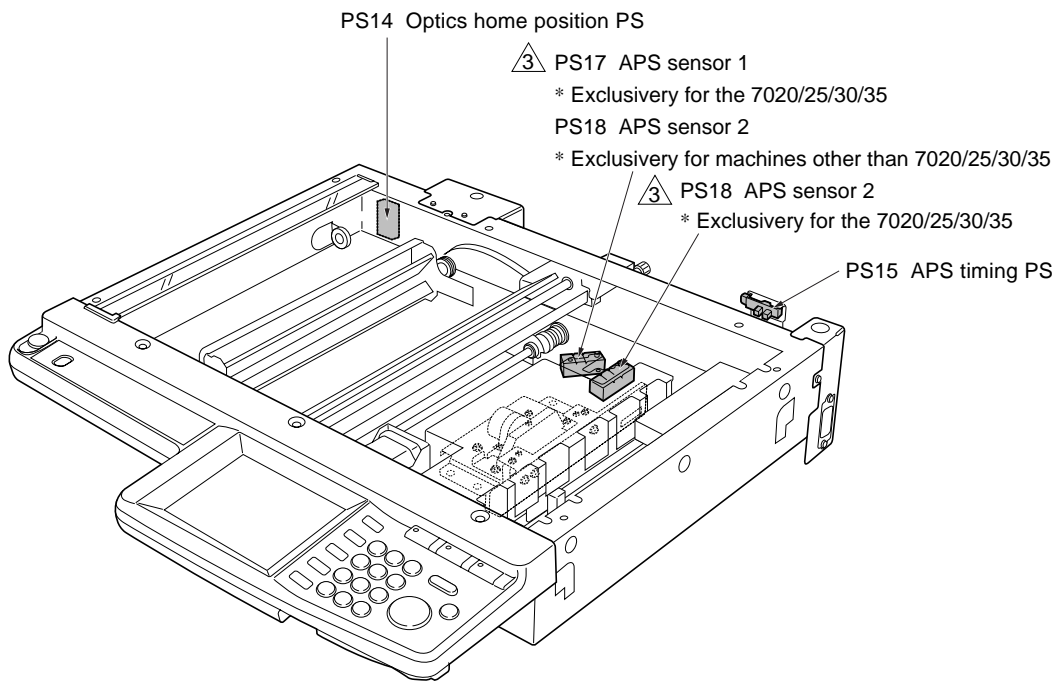
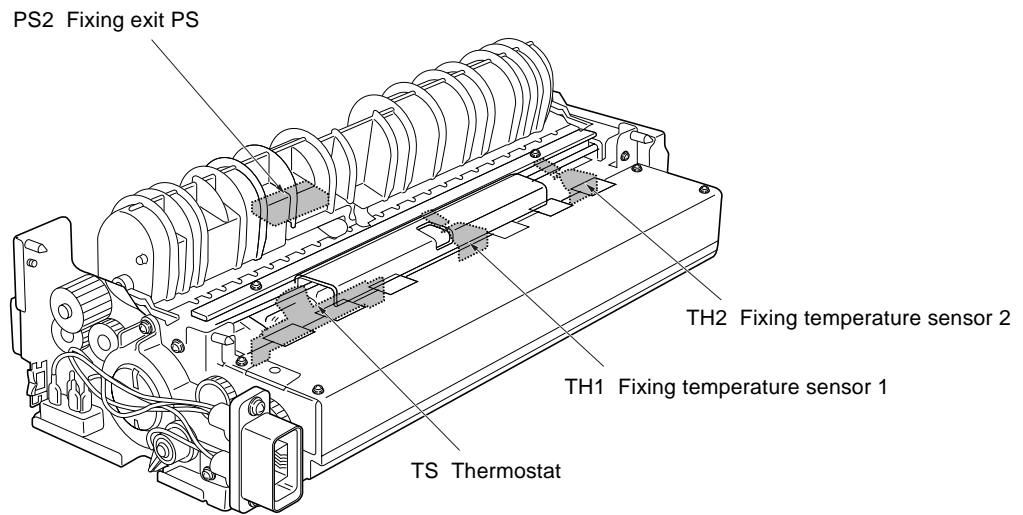


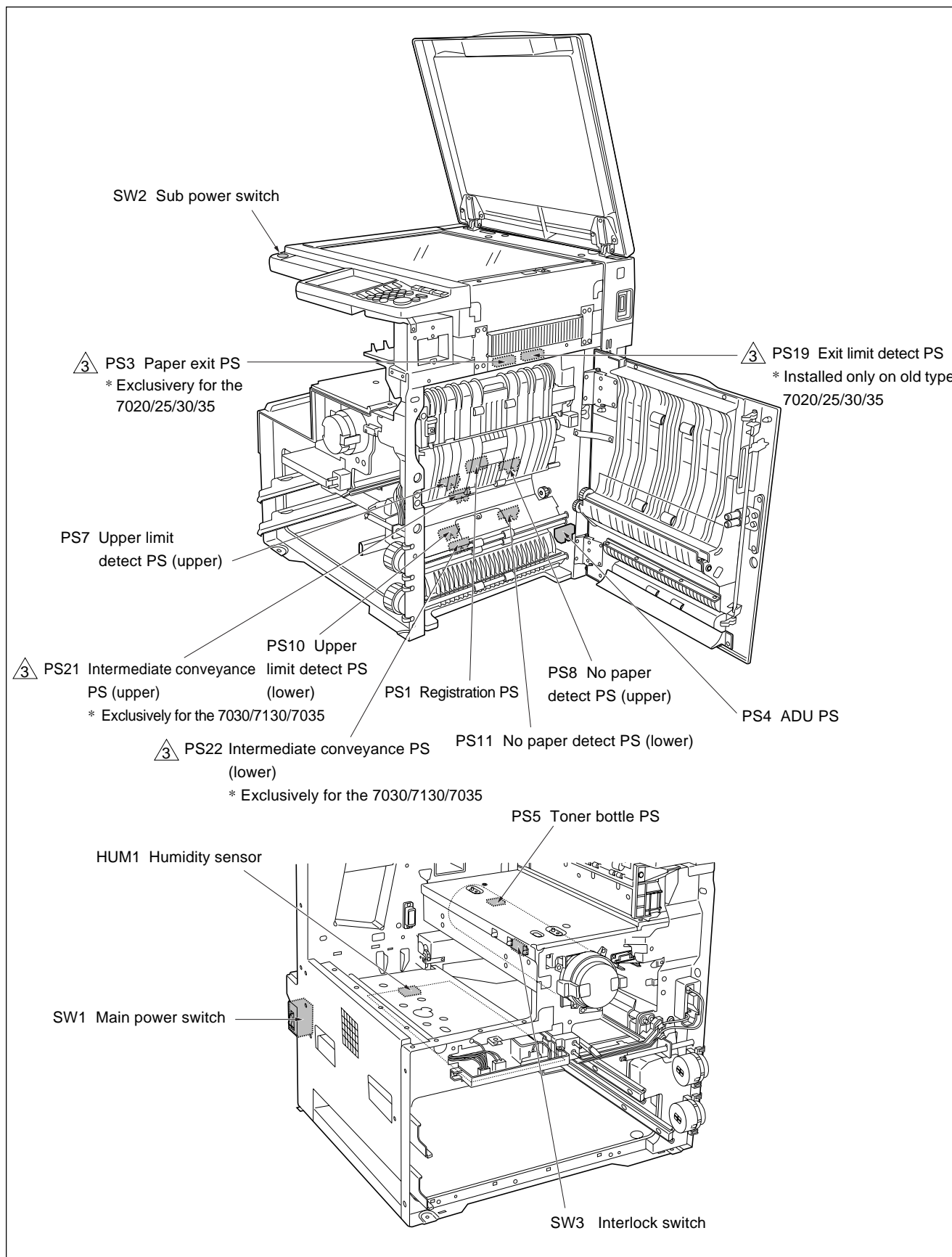
DIAGRAMS

MAIN BODY ELECTRICAL PARTS LAYOUT DRAWING

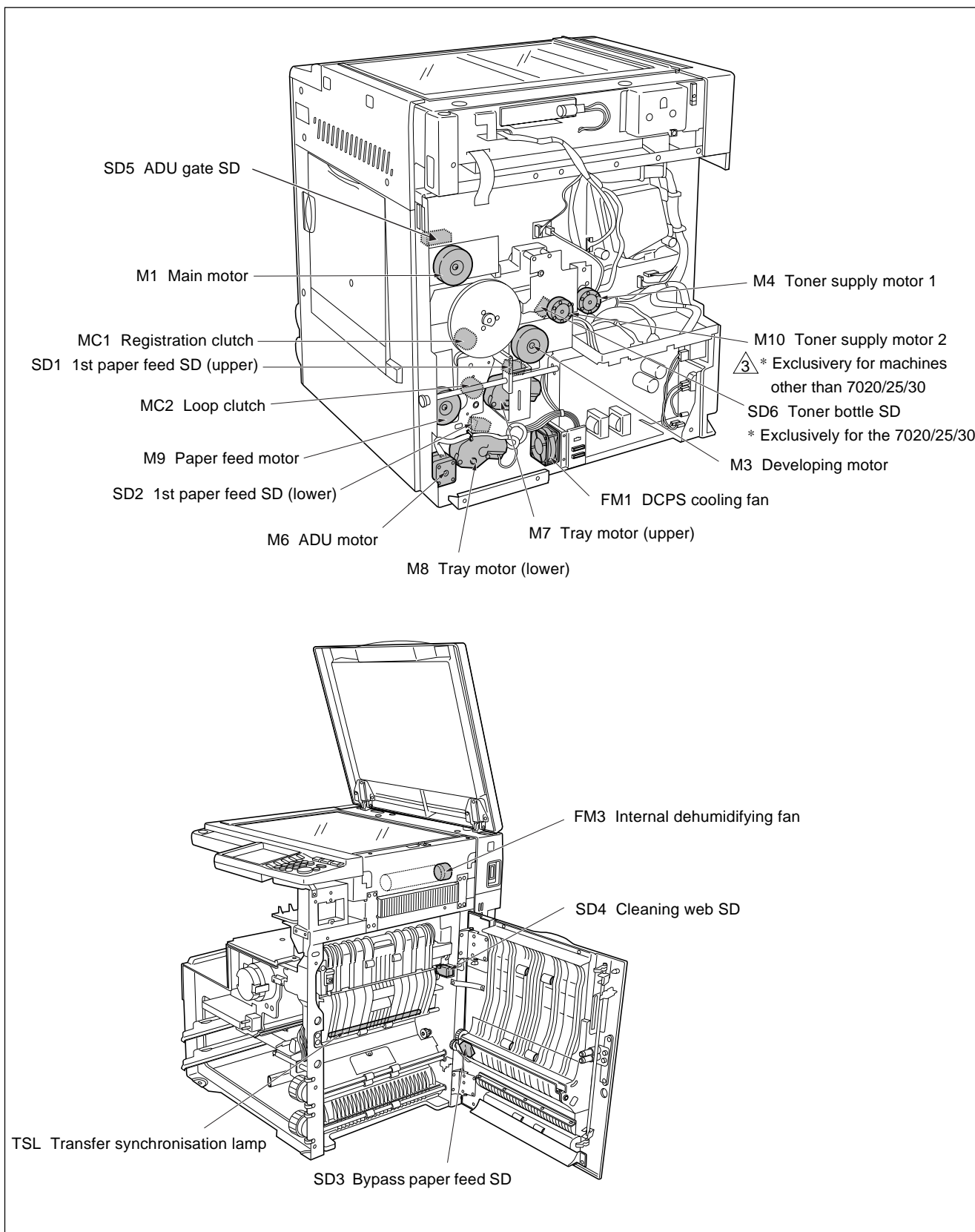
1 [1] Switches and sensors

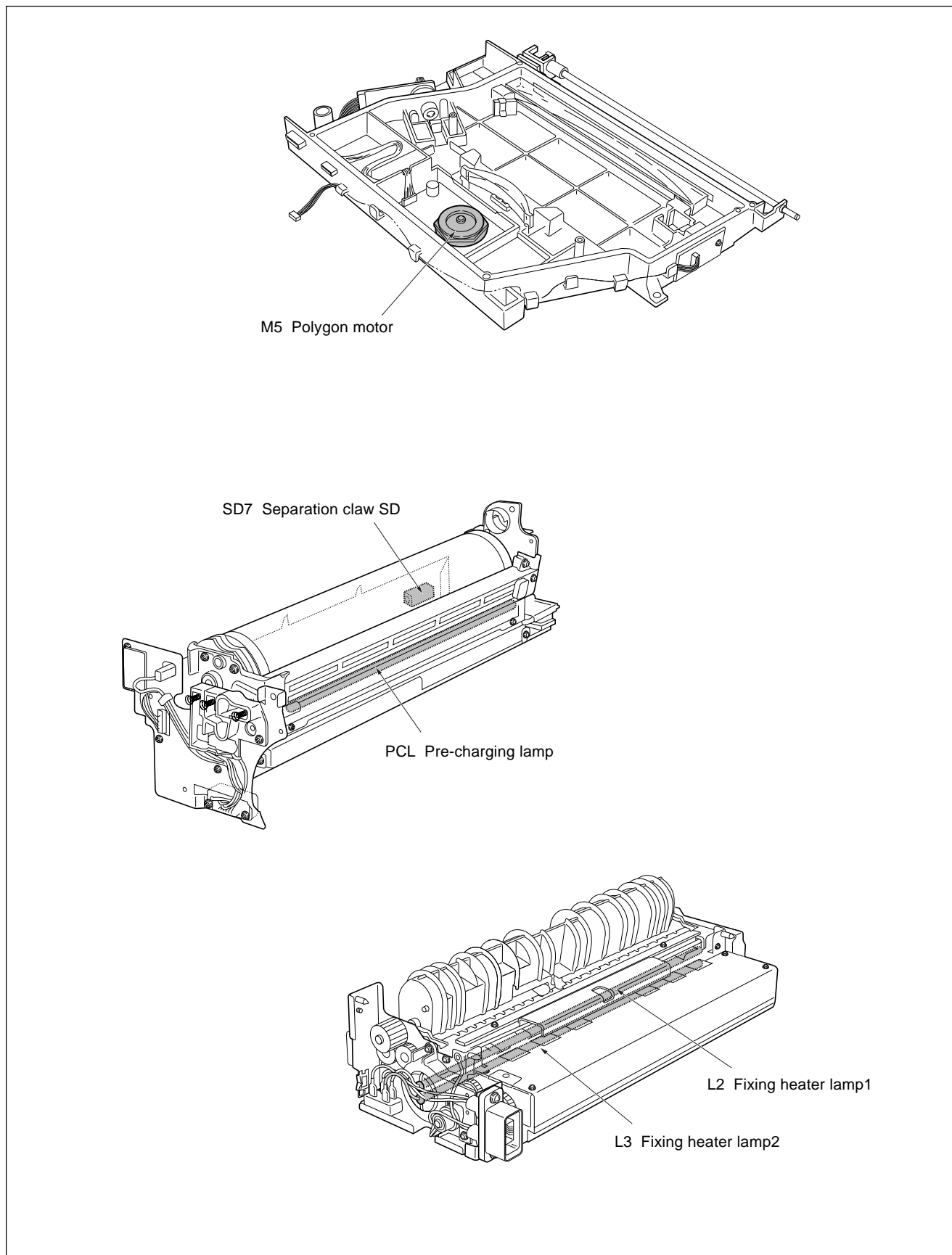






[2] Loads





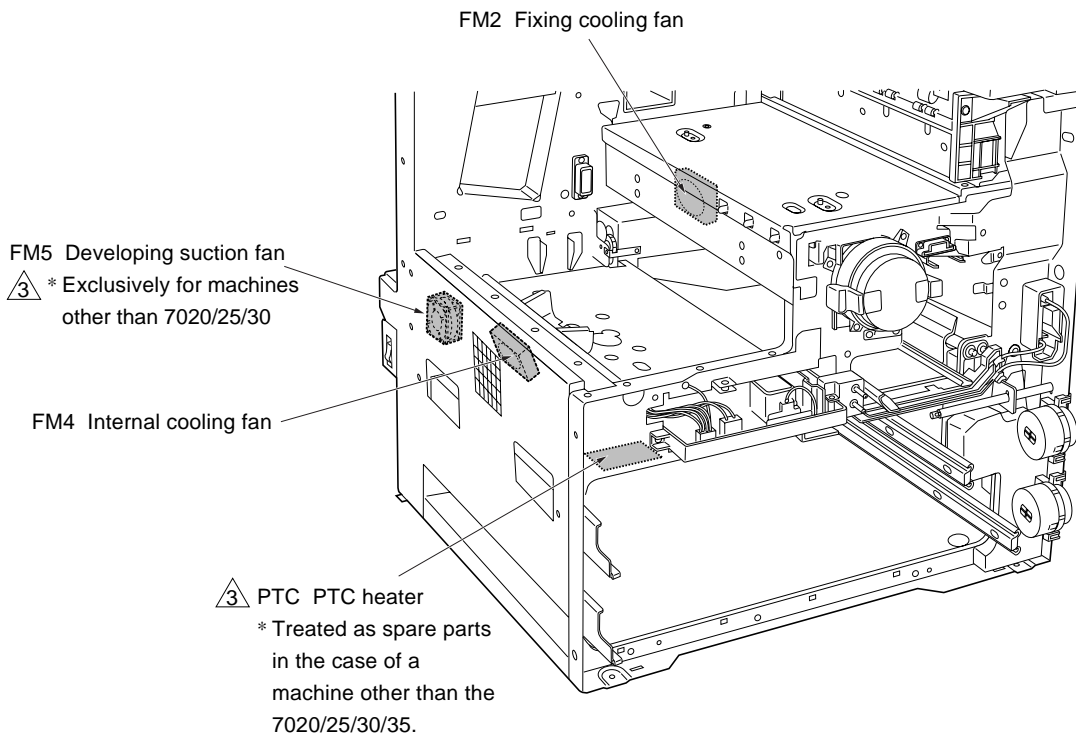
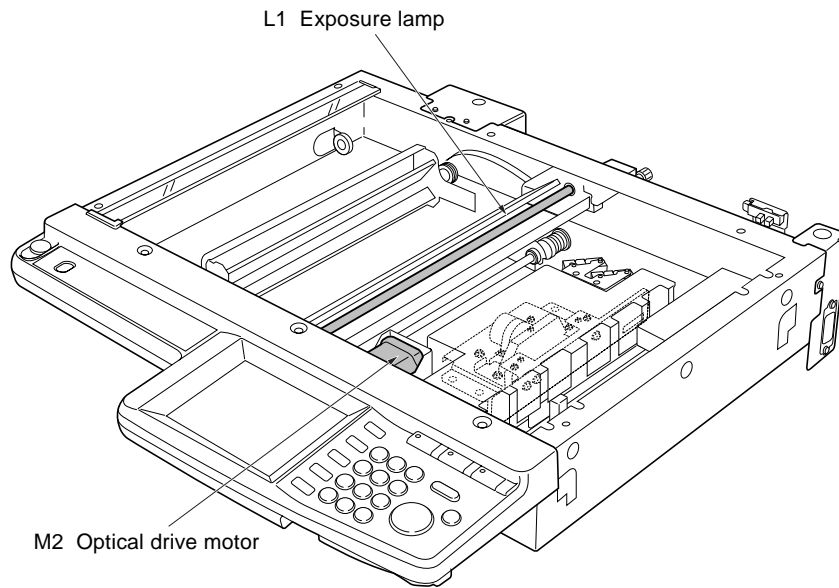
M5 Polygon motor

SD7 Separation claw SD

PCL Pre-charging lamp

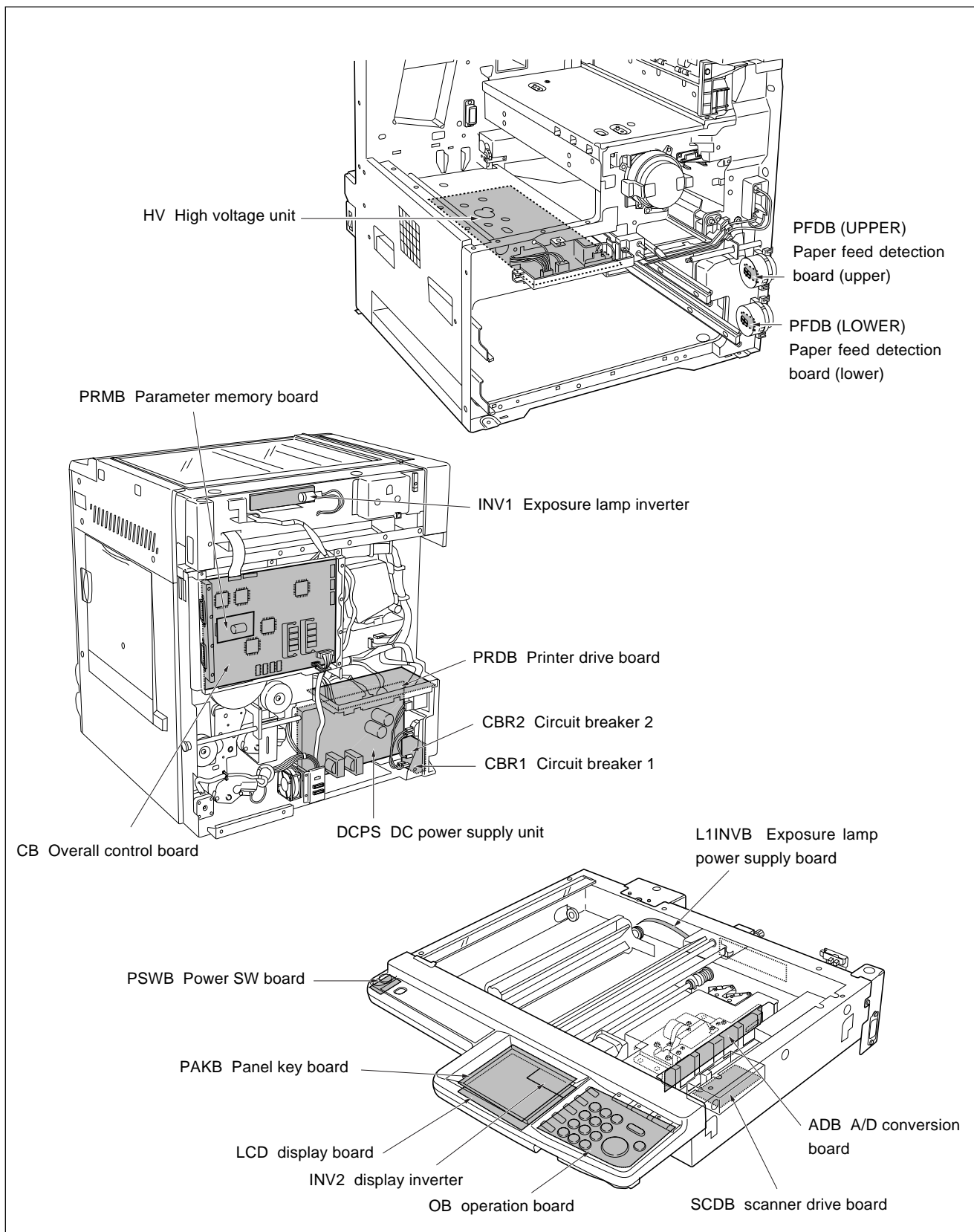
L2 Fixing heater lamp1

L3 Fixing heater lamp2

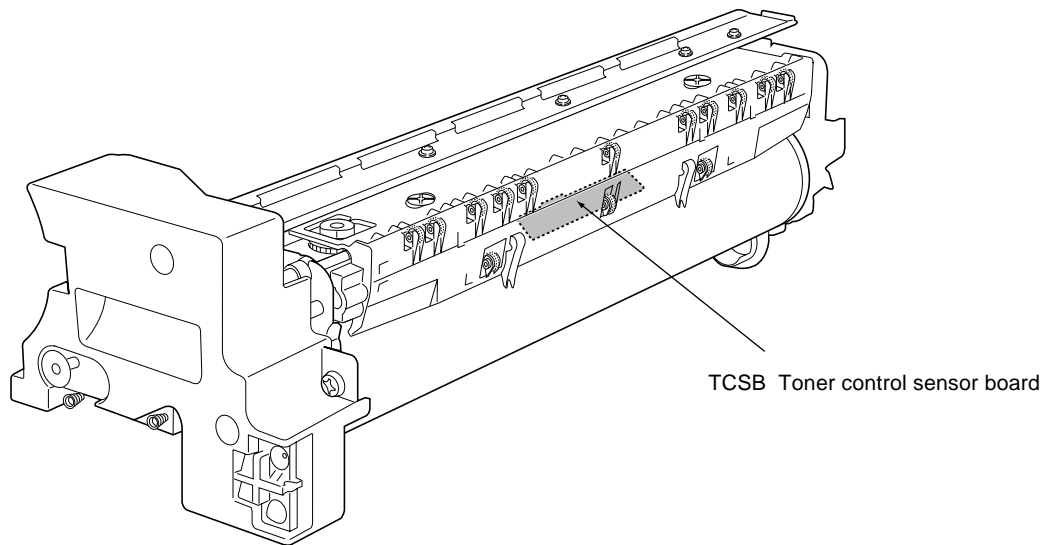
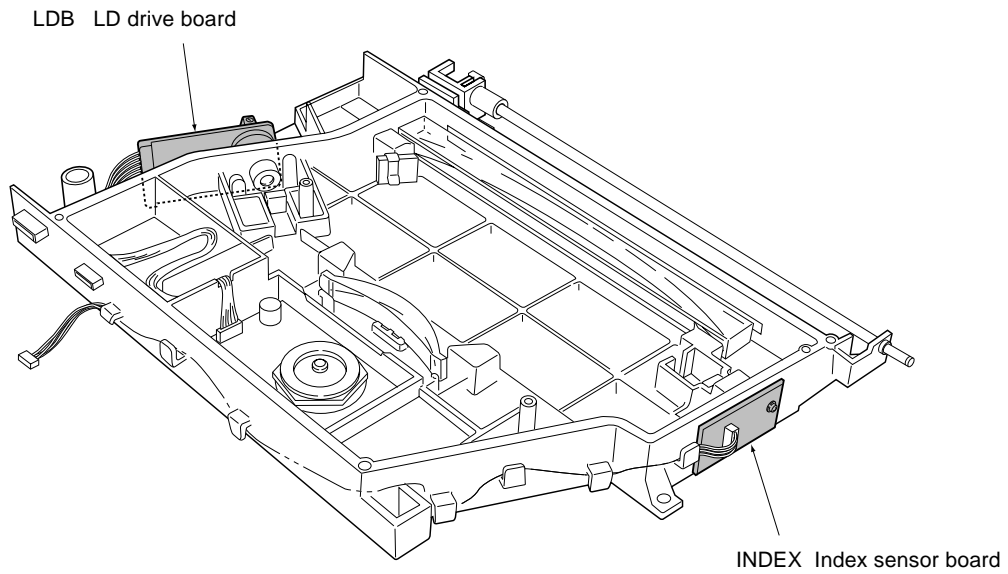


[3] PCBs and Others

1

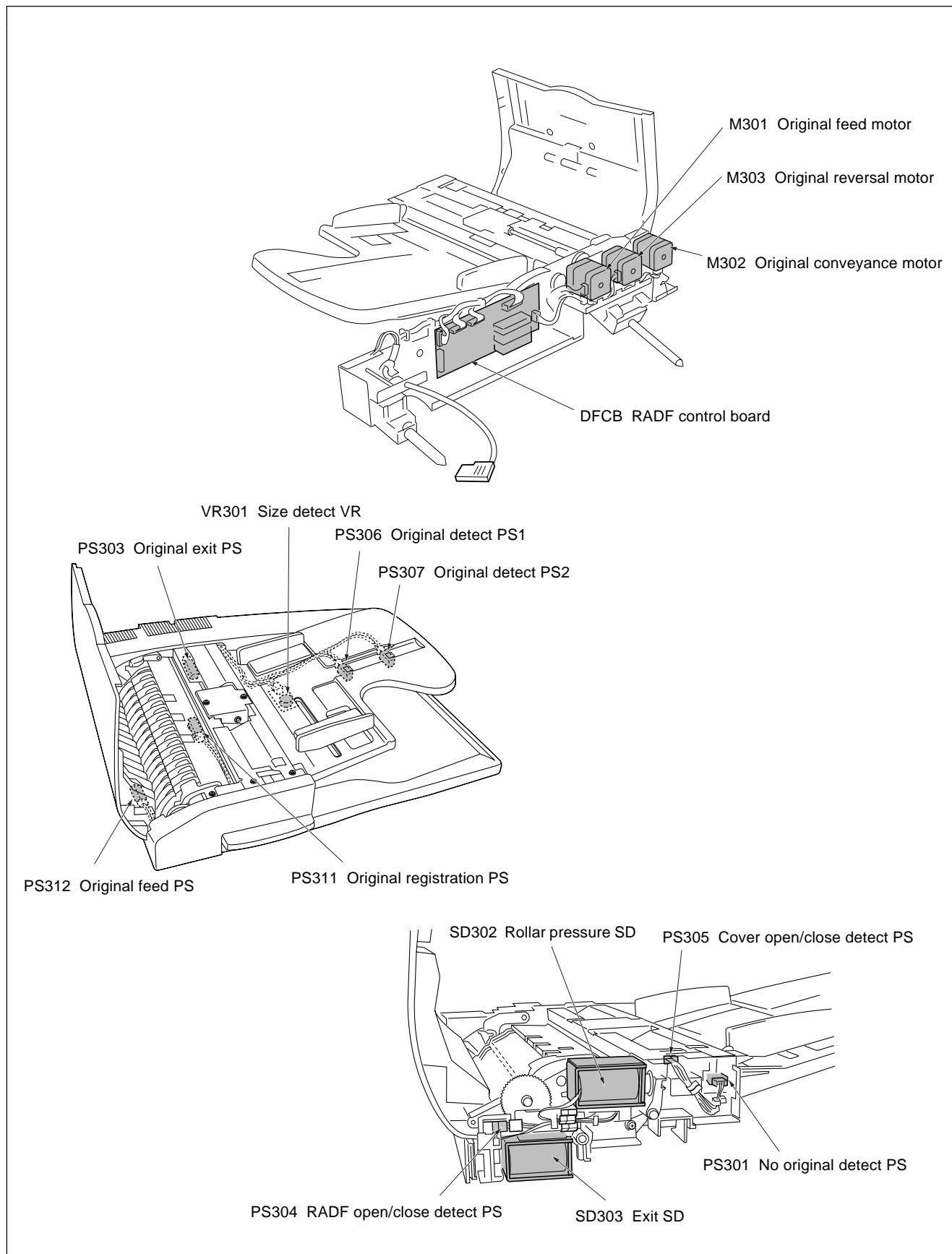


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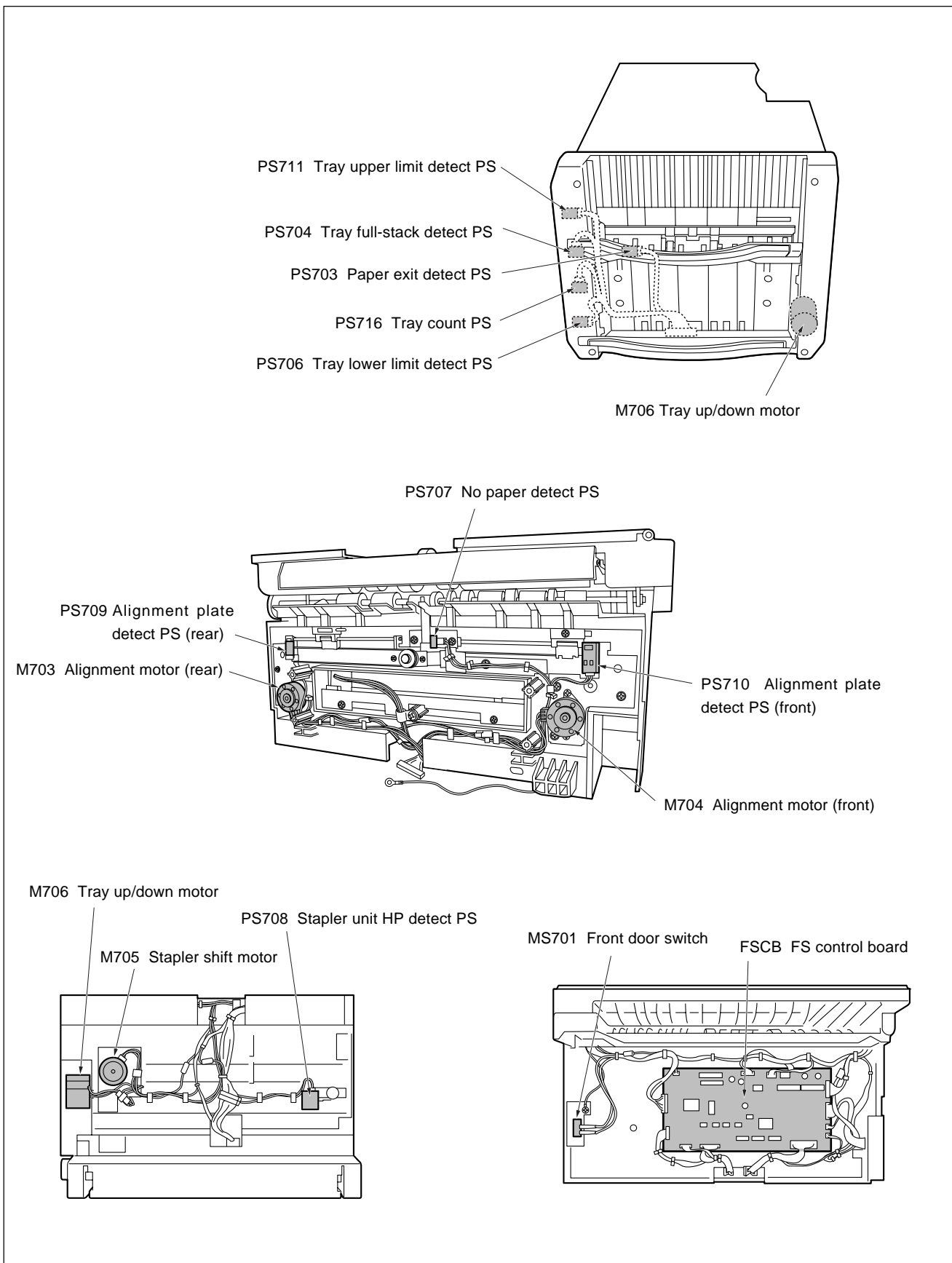


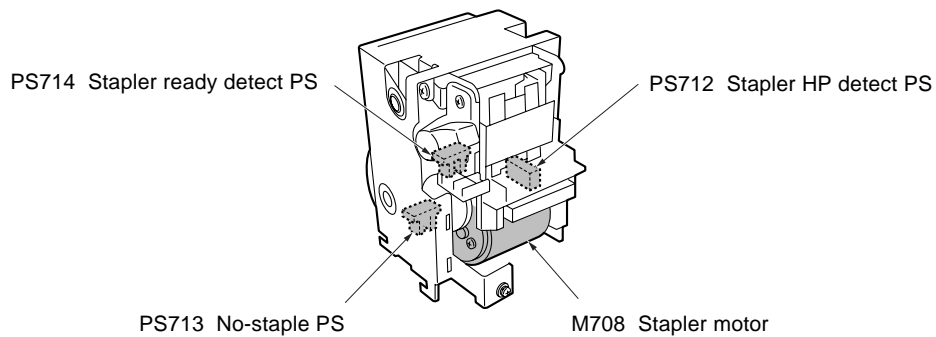
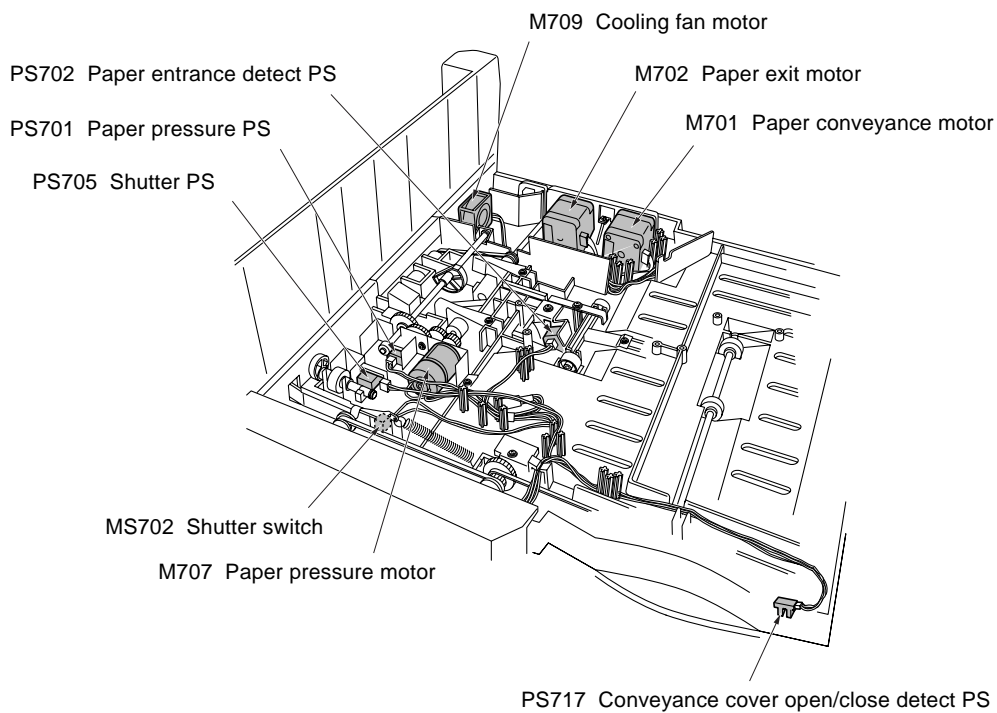
DF-314 ELECTRICAL PARTS LAYOUT DRAWING

1

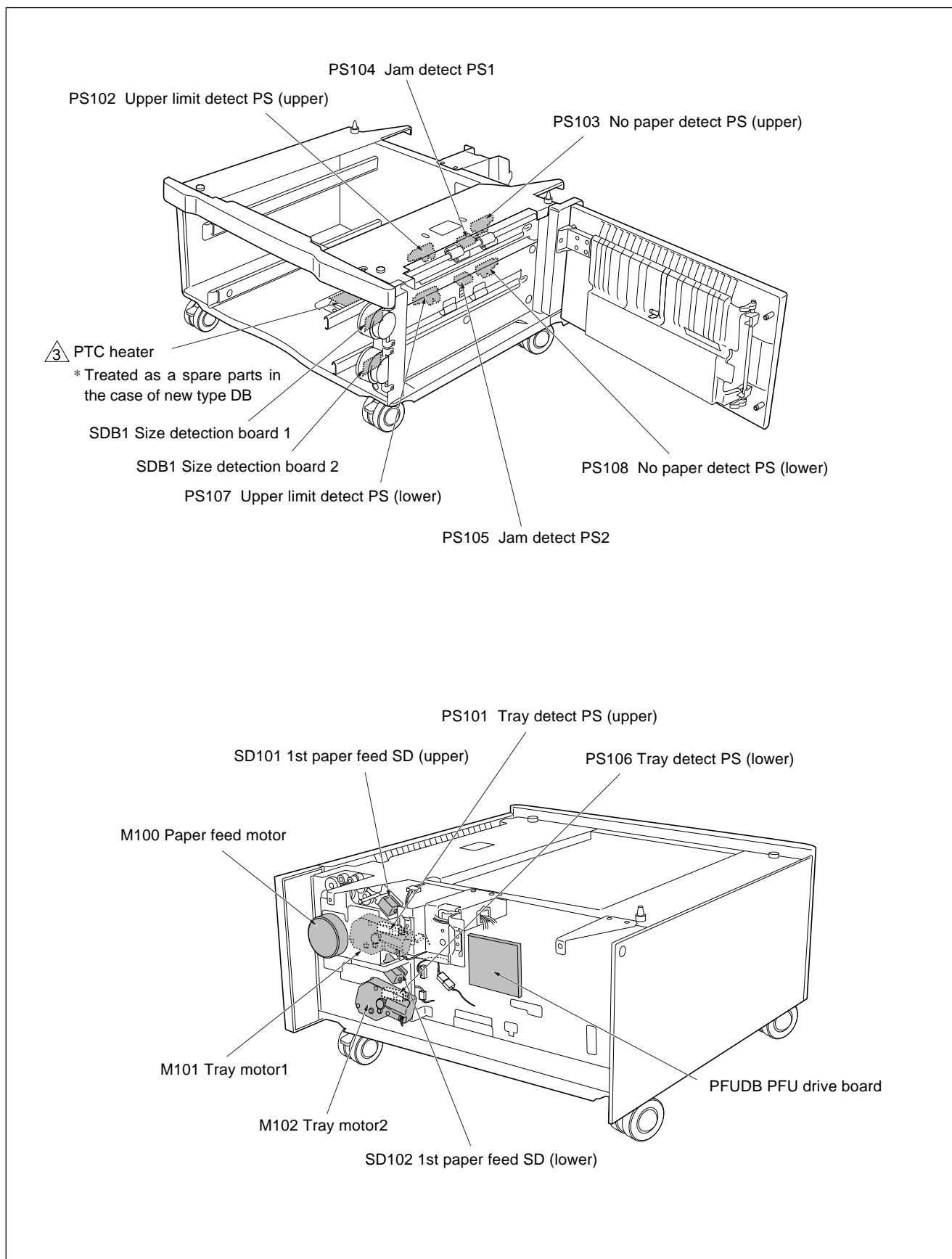


FS-107 ELECTRICAL PARTS LAYOUT DRAWING

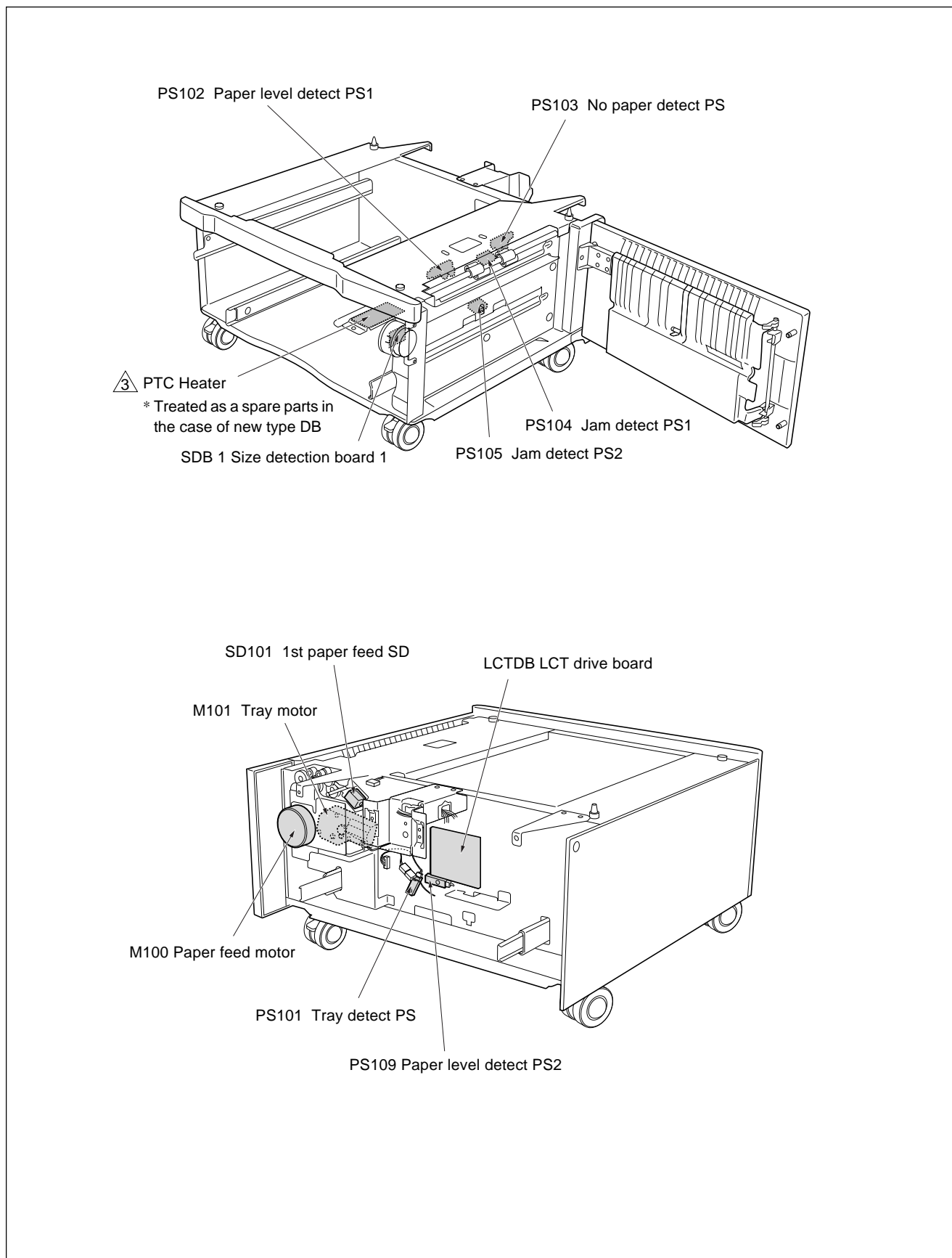




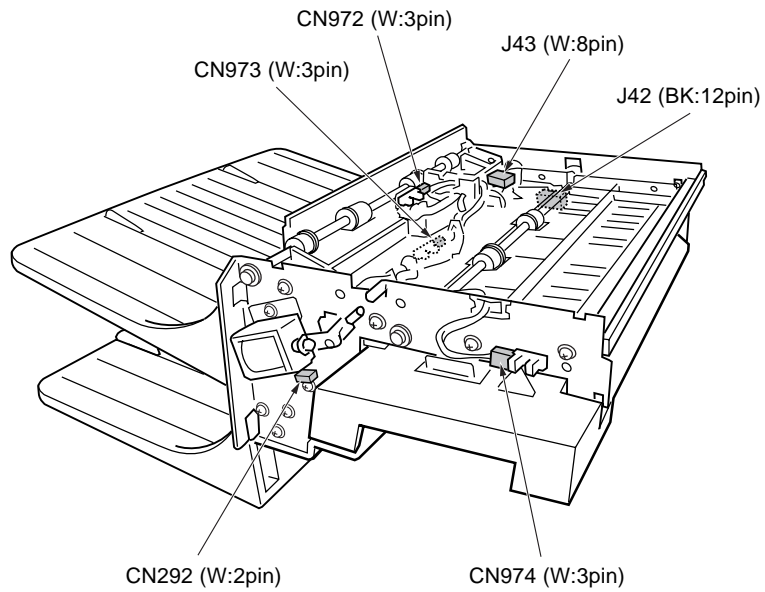
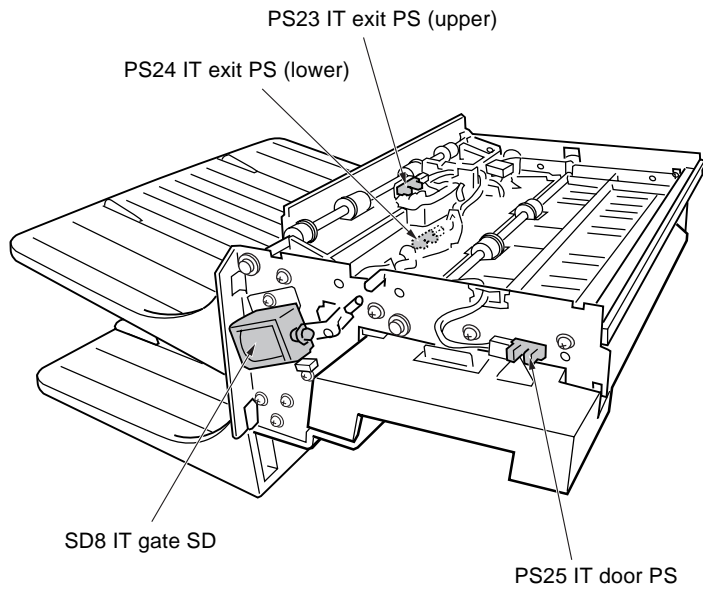
DB-209/210 ELECTRICAL PARTS LAYOUT DRAWING



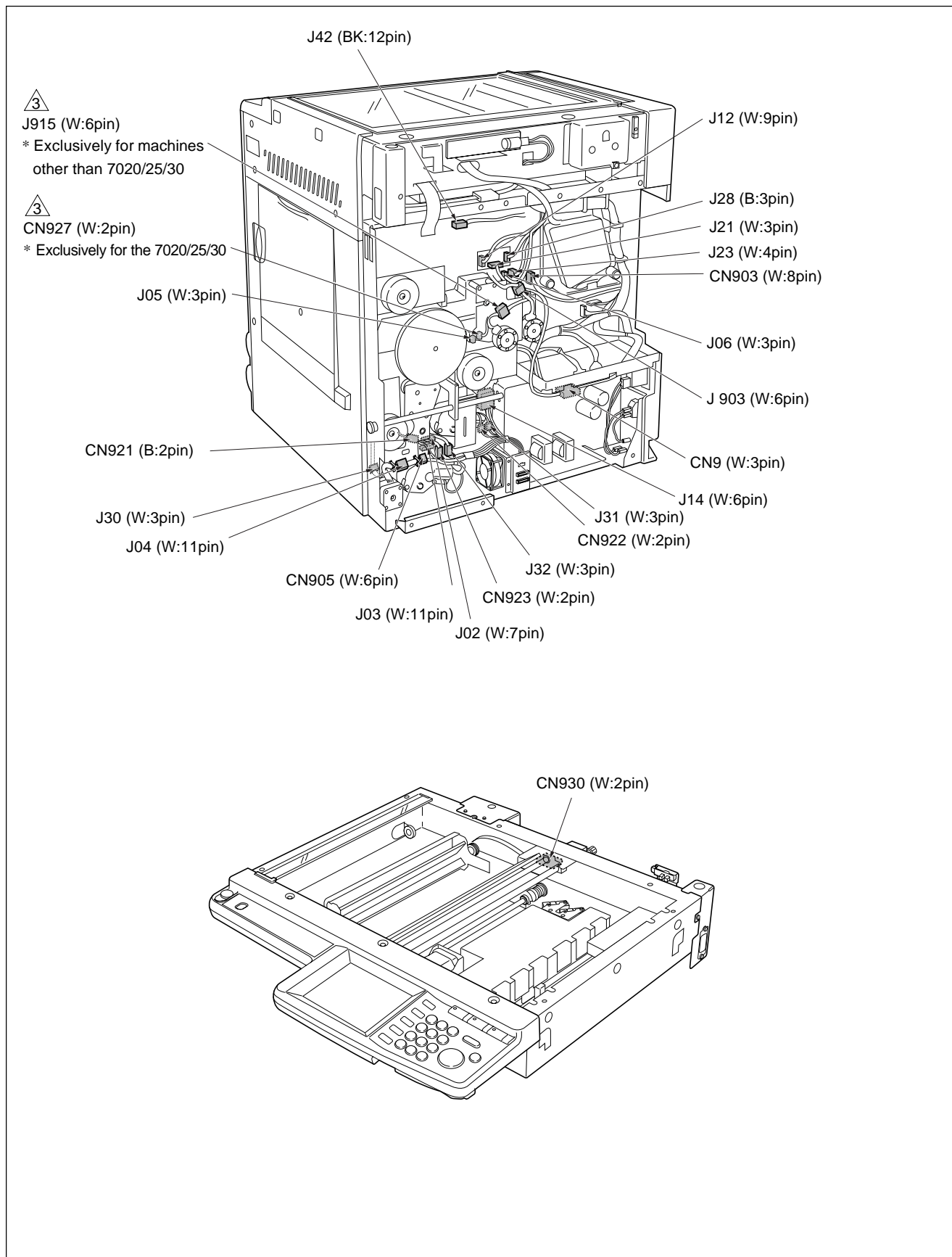
DB-409/410 ELECTRICAL PARTS LAYOUT DRAWING

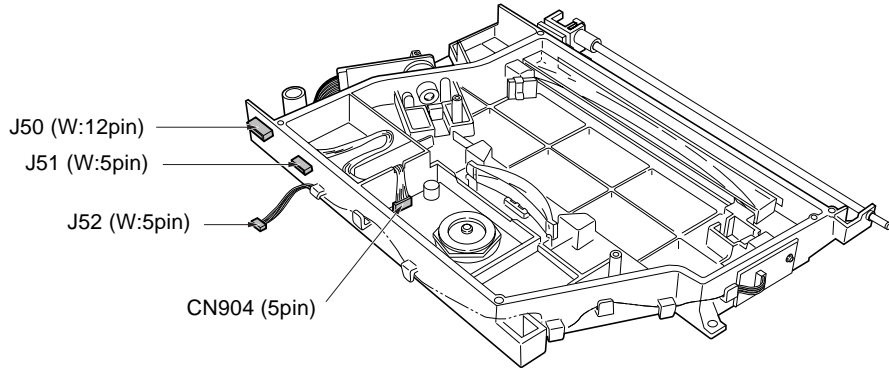


IT-101 ELECTRICAL PARTS/CONNECTOR LAYOUT DRAWING

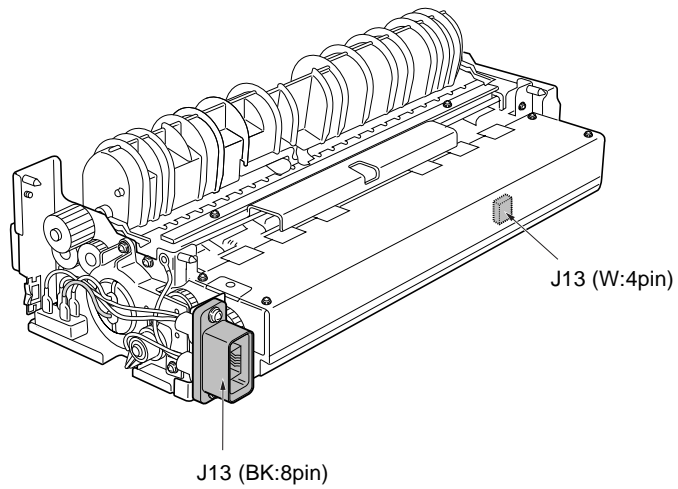
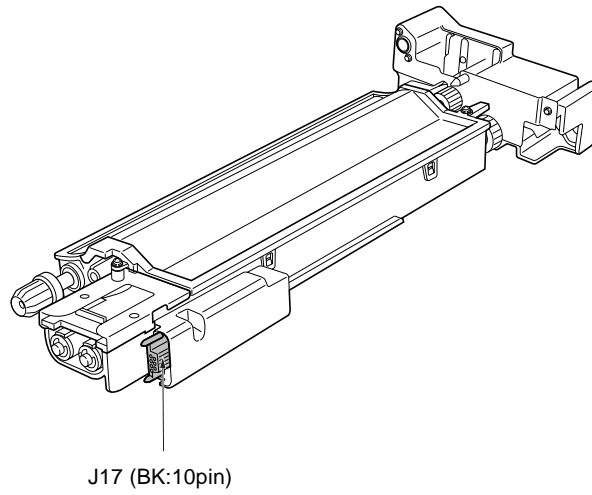
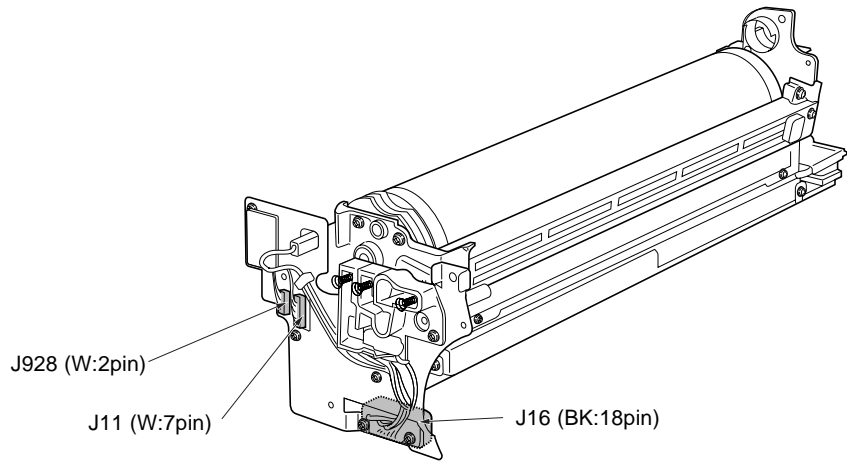


MAIN BODY CONNECTOR LAYOUT DRAWING

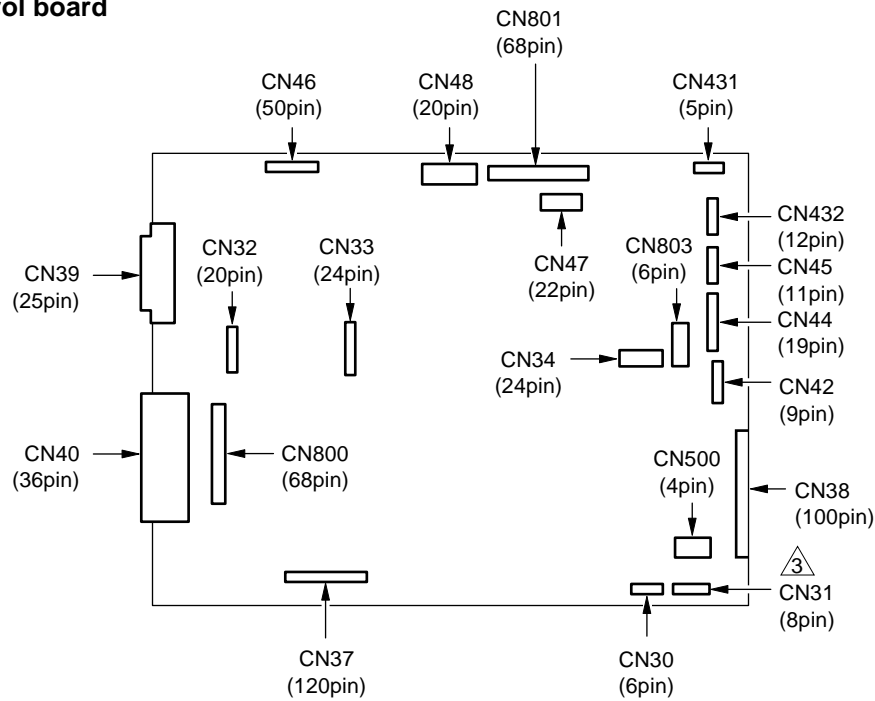




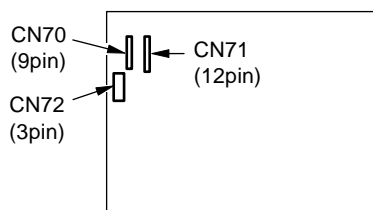
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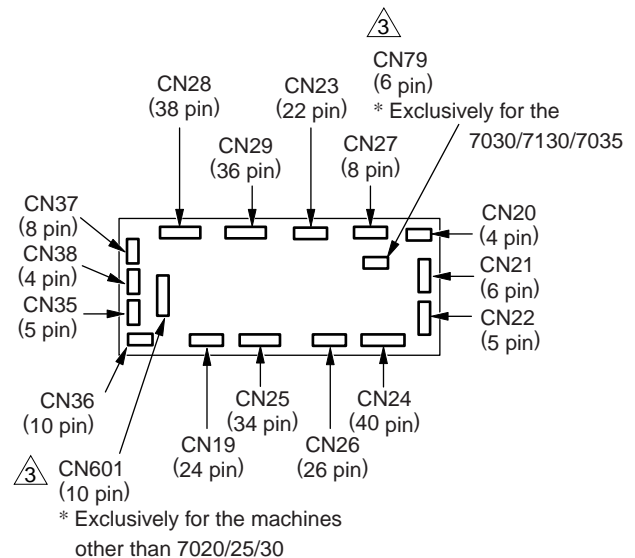
Overall control board



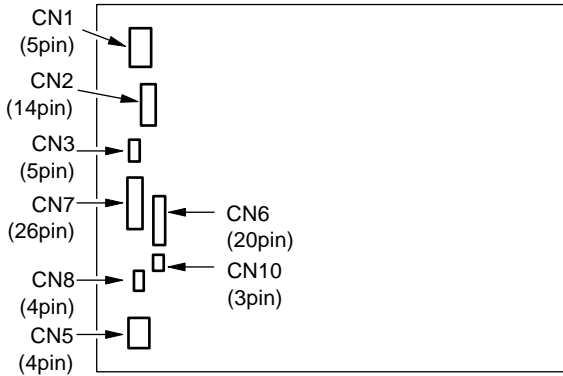
High voltage unit



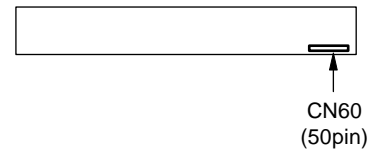
Printer drive board



DC power supply unit

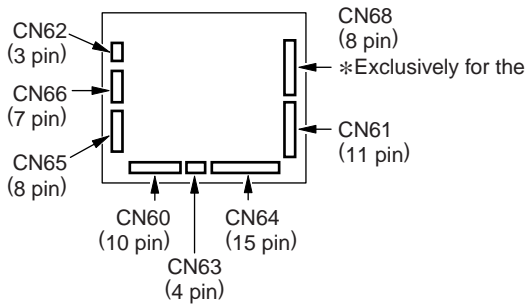


A/D conversion board

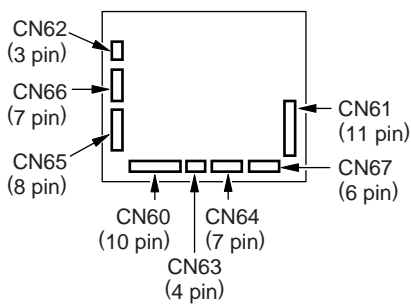


Scanner drive board

③ <Other than 7035>

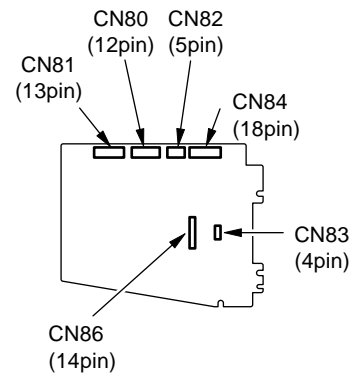


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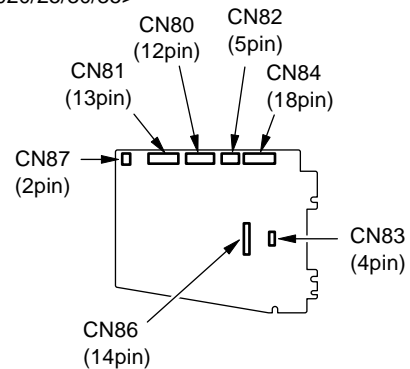


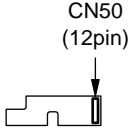
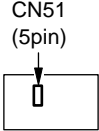
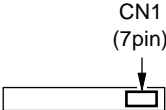
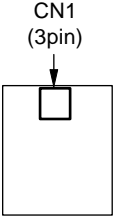
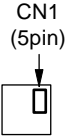
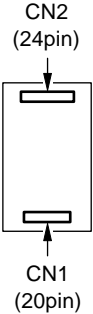
③ **Operation board**

<Other than 7020/25/30/35>

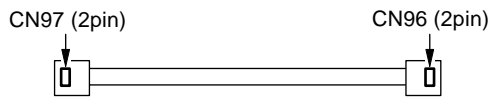


<7020/25/30/35>

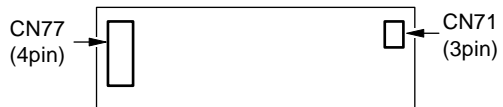


| | |
|---|--|
| <p>LD drive board</p>  <p>CN50 (12pin)</p> | <p>Index sensor board</p>  <p>CN51 (5pin)</p> |
| <p>Toner control sensor board</p>  <p>CN1 (7pin)</p> | <p>Power SW board</p>  <p>CN1 (3pin)</p> |
| <p>Paper feed detection board (upper, lower)</p>  <p>CN1 (5pin)</p> | <p>Parameter memory board</p>  <p>CN2 (24pin)</p> <p>CN1 (20pin)</p> |

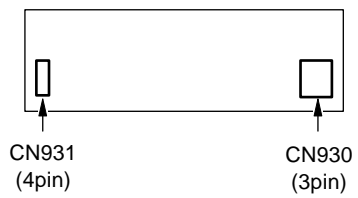
Exposure lamp power supply board



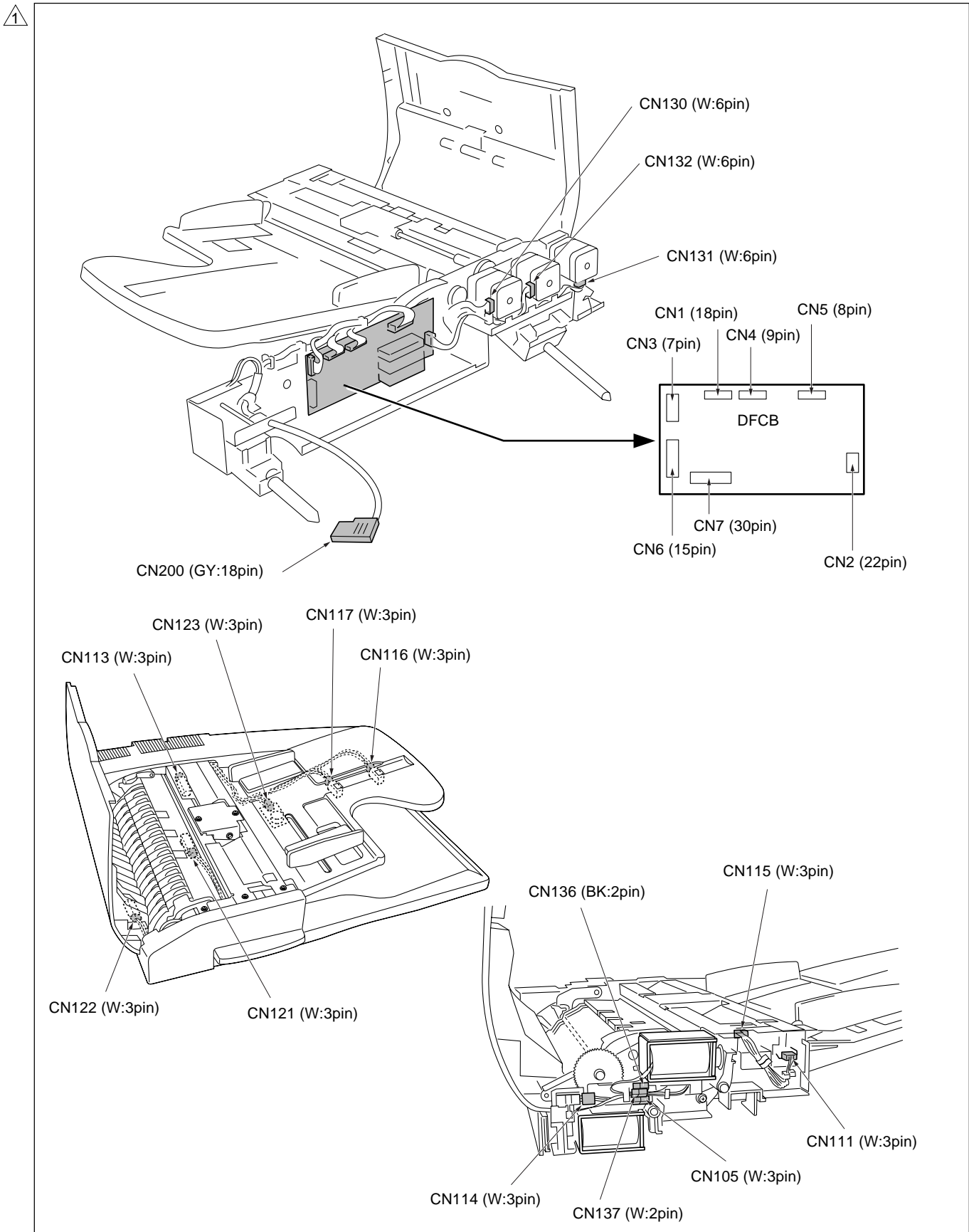
Display inverter



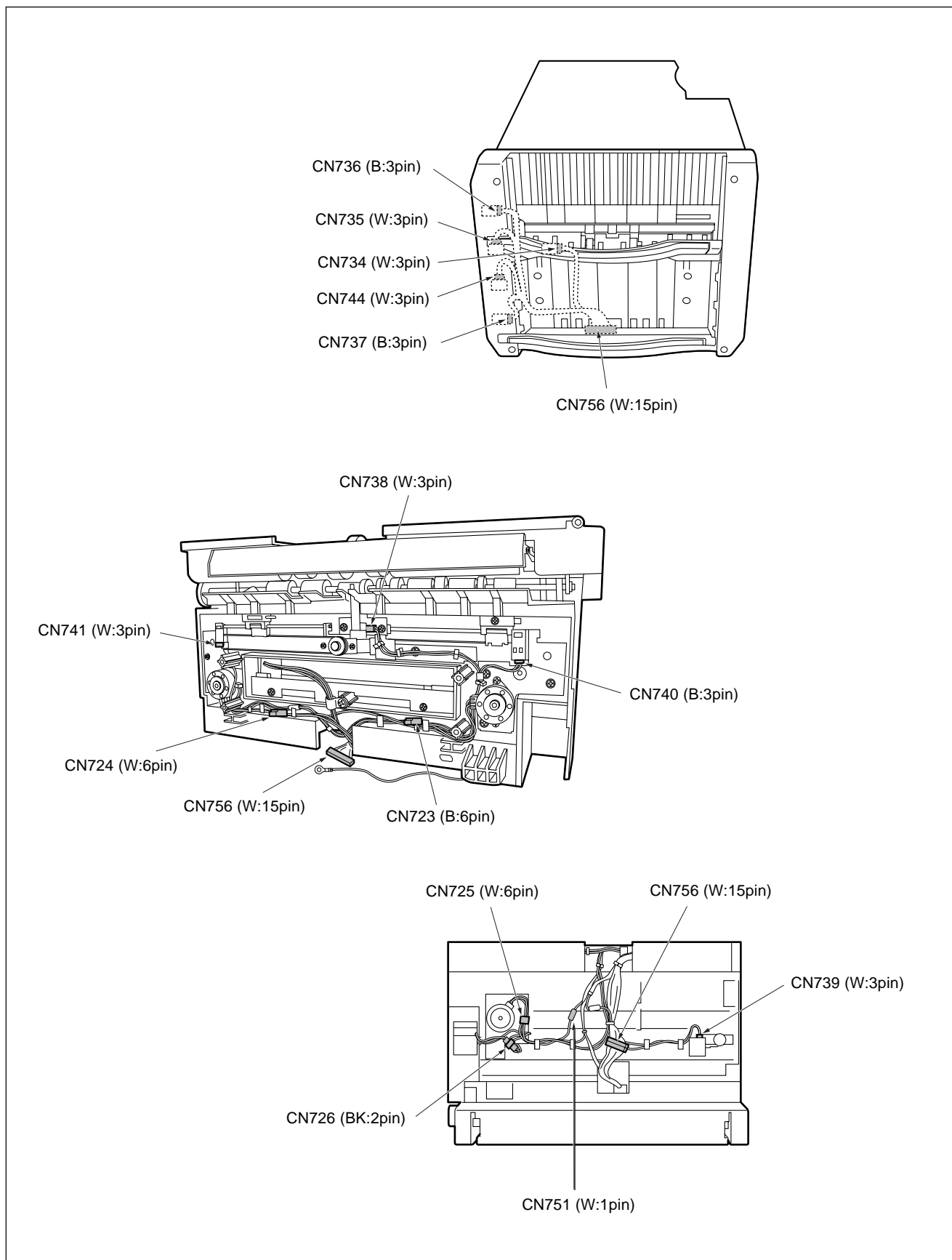
Exposure lamp inverter

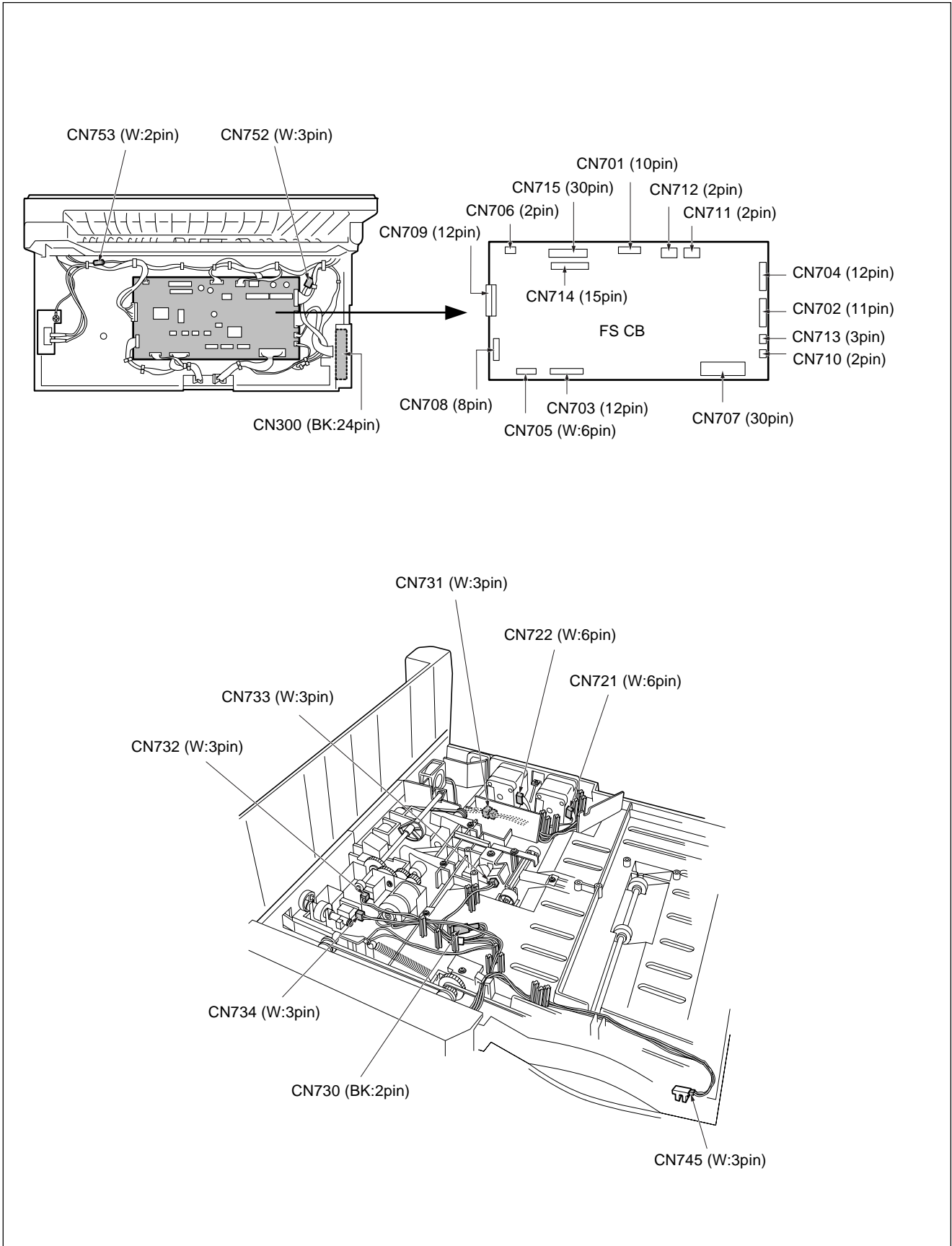


DF-314 CONNECTOR LAYOUT DRAWING

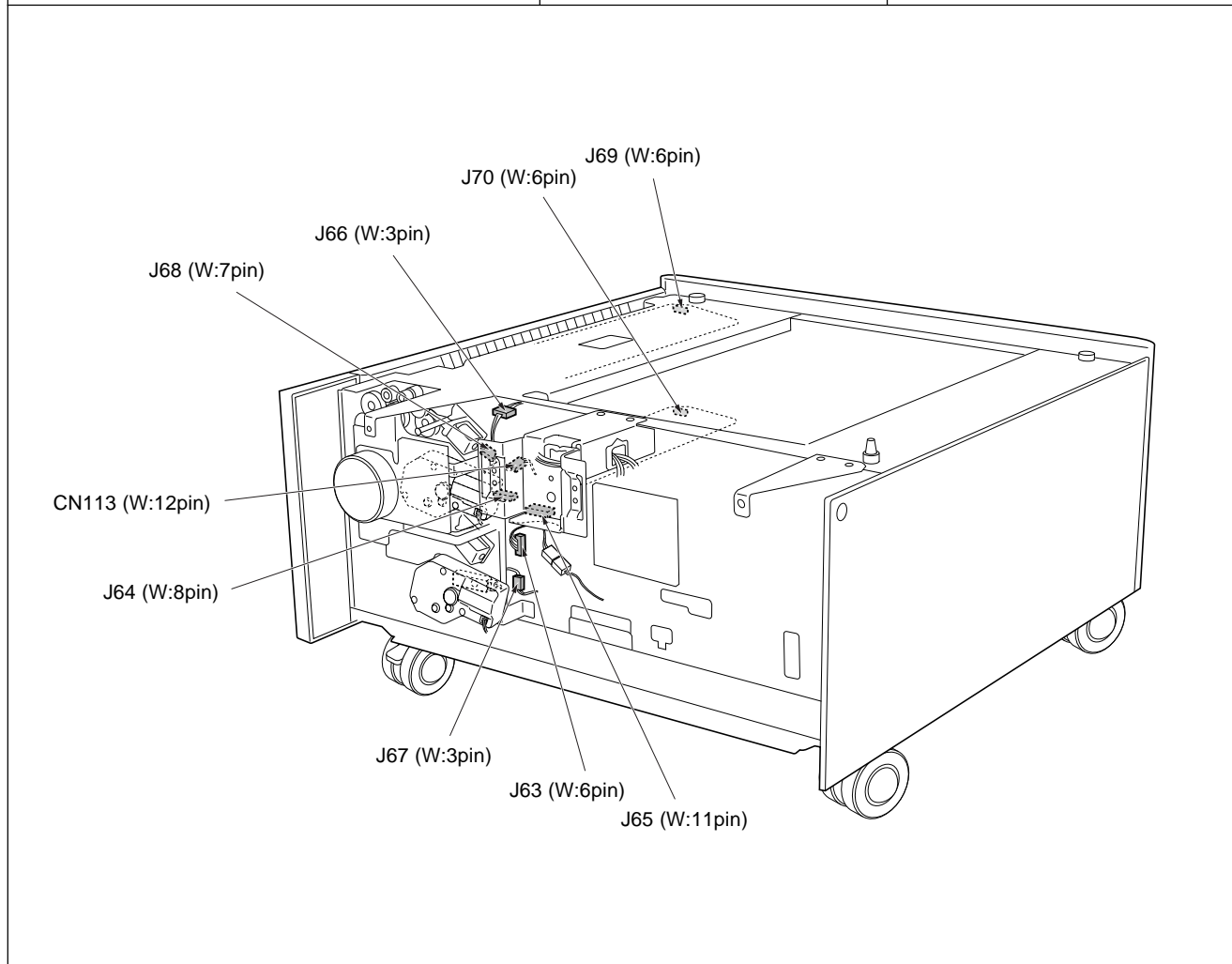
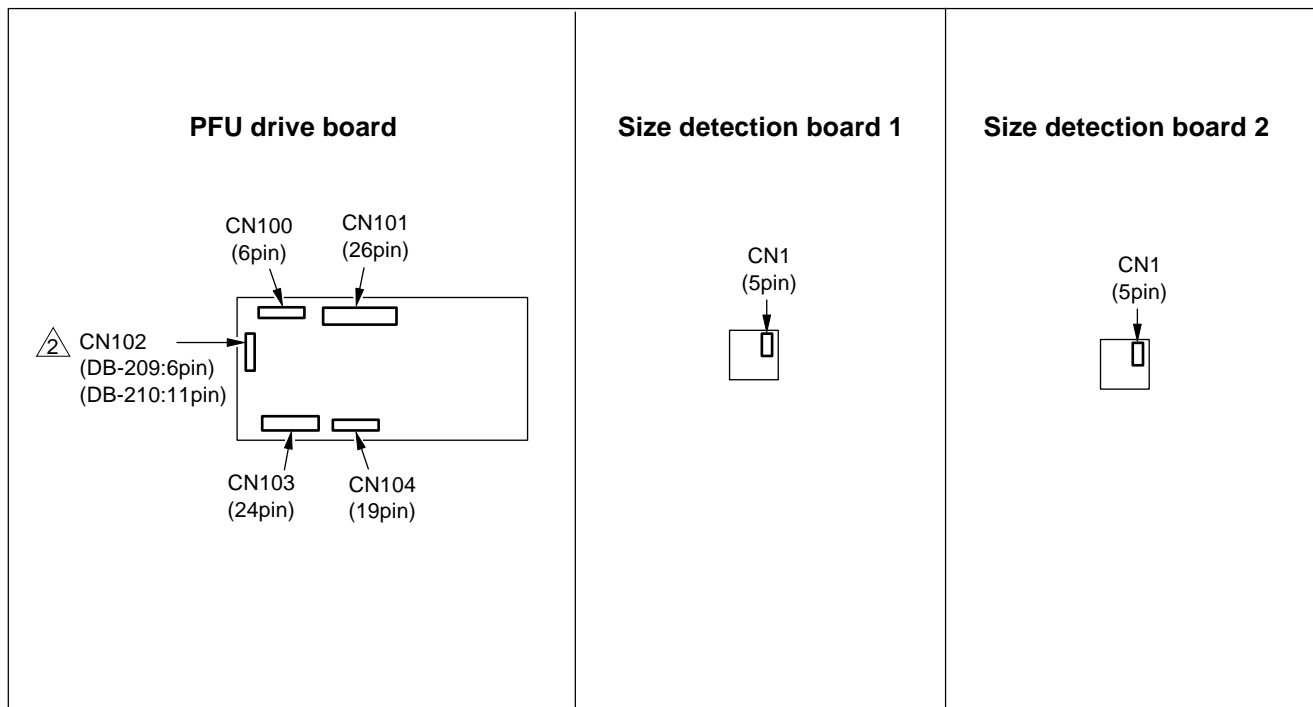


FS-107 CONNECTOR LAYOUT DRAWING

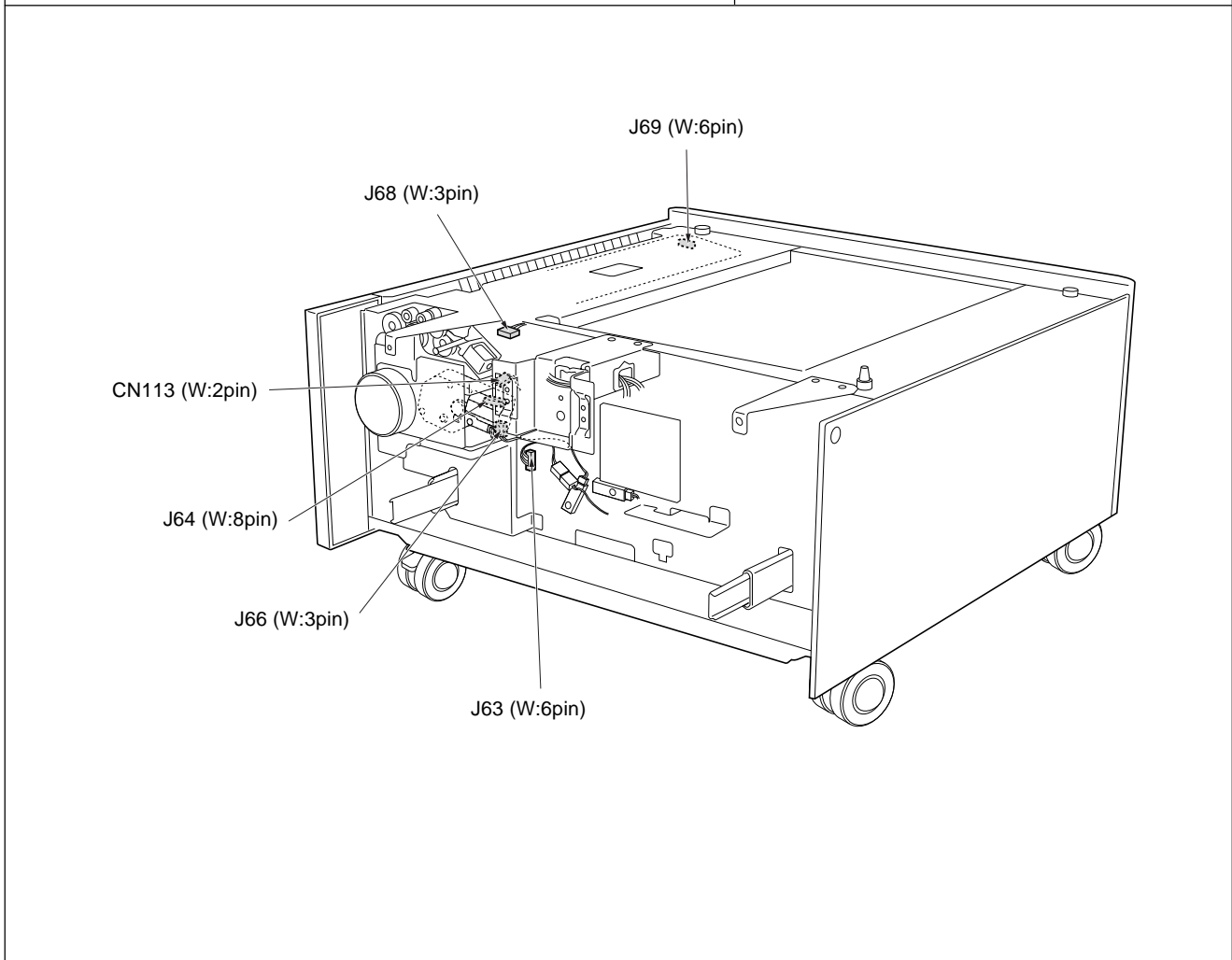
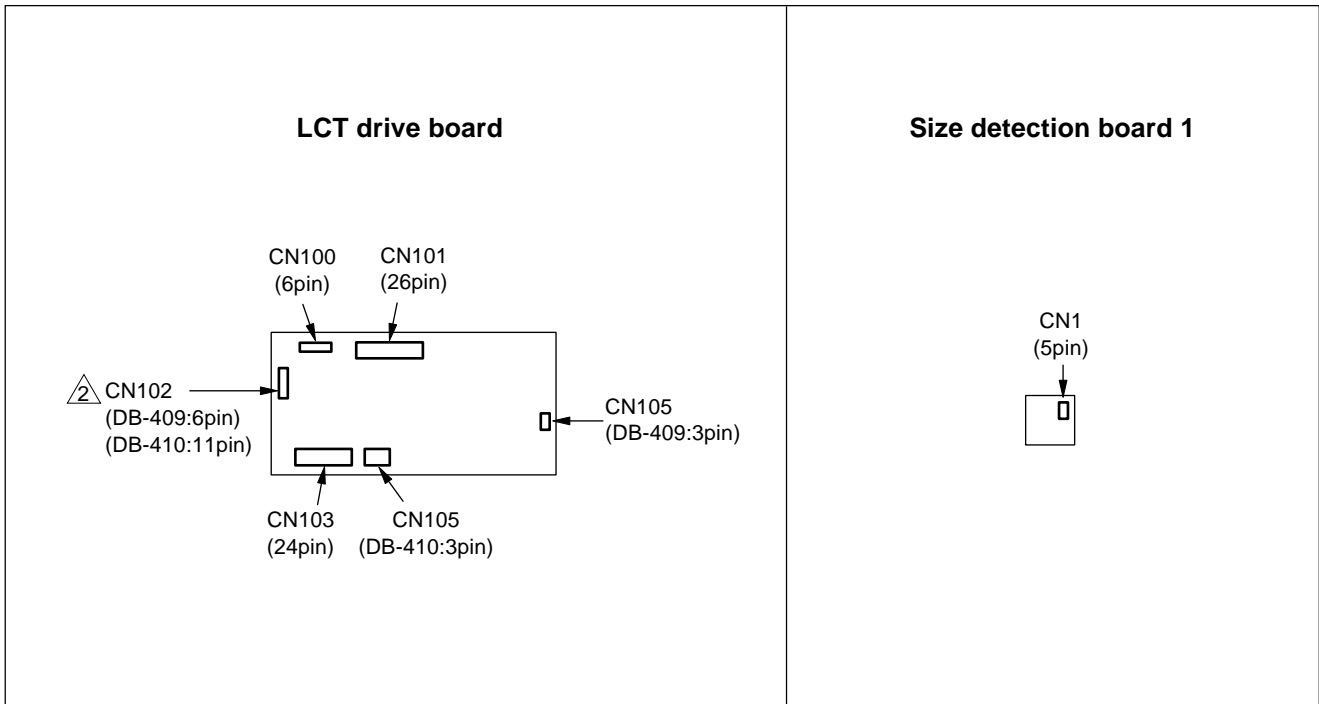




△ DB-209/210 CONNECTOR LAYOUT DRAWING



△ DB-409/410 CONNECTOR LAYOUT DRAWING




LIST OF JAM CODES

During operation

| Classification | Code | Causes | Resulting operation | Correction |
|----------------|--|---|---|---|
| By-pass | J10 | PS1 (registration) failed to turn ON within a predetermined time after start of by-pass feed (after SD3 (by-pass) ON). | If copying is in progress at time of jam, the copier completes ejection and then stops. | Take out the paper from the bypass tray, and remove any jammed paper. |
| Upper tray | J11 | PS1 (registration) failed to turn ON within a predetermined time after start of upper-tray feed (after SD1 (first paper-feed (upper)) ON). | | Open the ADU door, remove any jammed paper, and close the door. |
| Lower tray | J12 | PS1 (registration) failed to turn ON within a predetermined time after start of upper-tray feed (after SD2 (first paper-feed (lower)) ON). | | Pull out the tray, and remove any jammed paper. |
| DB tray | J13 | PS104 (jam detect 1) failed to turn ON within a predetermined time after start of feed from DB upper tray (after SD101 (first paper-feed (upper)) ON). | | Open the DB conveyance door, remove any jammed paper, and close the door. Pull out the tray, and remove any jammed paper. |
| | J14 | PS104 (jam detect 1) failed to turn ON within a predetermined time after start of feed from DB lower tray. | | |
| | J16 | PS1 (registration) failed to turn ON within a predetermined time after paper passed PS104 (jam detect 1). • DB upper tray feed • DB lower tray feed | Open the ADU door and/or DB conveyance door, remove any jammed paper, and close the door. | |
| Conveyance | J30 | PS1 (registration) failed to turn OFF within a predetermined time after MC1 (registration) ON. | The main body stops immediately. | Open the ADU door, remove any jammed paper, and close the door. |
| | J31 | PS2 (fixing exit) failed to turn OFF within a predetermined time after MC1 (registration) ON. | | |
| Fixing/exit | ③ J32 <small>7020/25/30/35 only</small> | PS3 (paper exit) failed to turn ON within a predetermined time after PS2 (fixing exit) ON. (At the single side copy mode) | | |
| | | J32-2 | | |
| | ③ J33 <small>7020/25/30/35 only</small> | PS3 (paper exit) failed to turn OFF within a predetermined time after turning ON. | | |
| ADU conveyance | J92 | PS1 (registration) failed to turn ON within a predetermined time after start of ADU reversal. | | |
| | J97-1 | PS4 (ADU) failed to turn ON within a predetermined time after PS2 (fixing exit) ON. | | |
| | J97-2 | PS4 (ADU) failed to turn OFF within a predetermined time after turning ON. | | |
| FS-107 | J72-16 | PS702 (paper entrance detect) failed to turn ON within a predetermined time after PS3 (paper exit) ON. | The FS-107 and main body stop immediately. | Open the finisher front door, and conveyance cover remove any jammed paper, and close the door. |
| | J72-17 | PS702 (paper entrance detect) failed to turn ON within a predetermined time after PS707 (no paper detect) ON. (Straight, sort/group mode for other than small size) | | |
| | J72-19 | PS702 (paper entrance detect) failed to turn OFF within a predetermined time after turning ON. (Staple, sort/group, and small size straight modes) | | |


LIST OF JAM CODES

| Classification | Code | Causes | Resulting operation | Correction | |
|----------------|---|--|--|---|--|
| FS-107 | J72-21 | PS707 (No paper detect) failed to turn OFF within a predetermined time after M702 (Paper exit) turning ON. (Staple, sort/group, and small size straight modes) | The FS-107 and main body stop immediately. | Open the finisher front door, and conveyance cover remove any jammed paper, and close the door. | |
| | J72-23 | PS707 (No paper detect) failed to turn OFF within a predetermined time after turning ON. (Straight, sort/group mode for other than small size) | | | |
| | J72-81 | Staple jam: M708 (stapler) failed to turn OFF within a predetermined time after turning ON. (Forward operation not completed.) (Staple mode) | | Remove the jammed staple. | |
| IT-101 | 3 | J75-10 | The main body stops immediately. | Open the IT door, and remove the jammed paper, then close the door. | |
| | | J75-11 | | | PS24 (IT exit (lower)) is not turned ON within a predetermined time after PS3 (paper exit) (in the case of the 7020/25/30/35, PS2 (fixing exit)) is turned ON. |
| | | J75-12 | | | PS3 (paper exit) (in the case of machines other than the 7020/25/30/35, PS2 (fixing exit)) does not go OFF within a predetermined time after PS23 (IT paper exit (upper)) or PS24 (IT paper exit (lower)) goes ON. |
| | | J75-13 | | | The IT door of the IT-101 opened while the main body was operating. |
| DF-314 | J61-0 | PS305 (cover open/close detect) turned ON. (The paper feed cover is opened.) | The DF-314 stops immediately. | Open the RADF, remove any jammed paper, and then close. Remove any jammed paper from the main body's conveyance section. | |
| | J61-1 | PS304 (RADF open/close detect) turned ON. | | | |
| | J62-0 | Original did not feed. | | | |
| | J62-2 | PS312 (original feed) failed to turn ON within a predetermined time after start of refeed for single sided original. | | | |
| | J62-3 | PS312 (original feed) failed to turn ON within a predetermined time after start of reverse exit for double sided original. | | | |
| | J62-4 | PS312 (original feed) did not go OFF within the specified period after it went ON, during paper exit. | | | |
| | J62-5 | PS312 (original feed) did not go OFF within the specified period after it went ON, during reversal. | | | |
| | J63-0 | PS303 (original exit) did not go ON during paper exit. | | | |
| | J63-2 | PS303 (original exit) did not go OFF within the specified period after it went ON, during paper exit. | | | |
| | J63-4 | PS311 (original registration) failed to turn OFF within a predetermined time after start of refeed of single sided original. | | | |
| J63-5 | PS311 (original registration) failed to turn OFF within a predetermined time after start of reverse feed. | | | | |


| Classification | Code | Causes | Resulting operation | Correction |
|--|-------|--|------------------------------------|---|
| Others  | J20-2 | ADU door open jam SW3 (Interlock switch) went OFF during printing. | Printer section stops immediately. | Remove jammed paper according to message. |
| | J20-3 | FNS front door open jam MS701 (front door) went OFF during printing. | | |
| | J20-4 | System emergency stop jam | | |
| | J20-5 | FNS conveyance door open jam PS717 (conveyance cover open/close detect) went OFF during printing. | | |
| | J20-6 | FNS shutter switch operation jam MS702 (shutter) went ON during printing. | Machine stops immediately. | Opne the ADU door, remove any jammed paper, and close the door. |
| | J50-1 | Failed to receive print request from system within a predetermined time after PS1 (registration) ON. | | |
| | J50-2 | "Valid" signal failed to turn ON within a predetermined time after start of printing. | | |
| | J50-3 | MC1 (registration) failed to turn ON within a predetermined time after start of printing. | | |

LIST OF JAM CODES


When idling

| Classification | Code | Causes | Correction |
|---|--------|---|---|
| Paper feed | J81 | PS1 (registration) ON during idling state. | Open the ADU door, remove jammed paper, and close the door. |
| | J82 | PS105 (Jam detect 2) ON during idling state. | Open the DB feed door, remove jammed paper, and close the door. If paper is jammed in the main body: open the ADU door, remove the jammed paper, and close the door. |
| Exit  | J90 | PS2 (fixing exit) ON during idling state. | Open the ADU door, remove jammed paper, and close the door. |
| | J91 | PS3 (paper exit) ON during idling state. (7020/25/30/35 only) | |
| ADU | J100 | PS4 (ADU) ON during idling state. | Open the ADU door, remove jammed paper, and close the door. |
| FS-107 | J72-1 | PS702 (paper entrance detect) ON during idling state. | Open the finisher door, remove jammed paper, and close the door. |
| | J72-2 | PS707 (no paper detect) ON during idling state. | |
| DF-314 | J65-1 | PS311 (original registration) ON during idling state. | Open the RADF, remove jammed paper, and then close. |
| | J65-2 | PS312 (original feed) ON during idling state. | |
| | J65-3 | PS311 (original registration), PS312 (original feed) ON during idling state. | |
| | J65-8 | PS303 (original exit) ON during idling state. | |
| | J65-9 | PS311 (original registration), PS303 (original exit) ON during idling state. | |
| | J65-10 | PS312 (original feed), PS303 (original exit) ON during idling state. | |
| | J65-11 | PS311 (original registration), PS312 (original feed), PS303 (original exit) ON during idling state. | |
| IT-101 | J75-10 | PS23 (IT exit (upper)) or PS24 (IT exit (lower)) went ON during idling. | Open the IT door, remove jammed paper, then close the door. |

LIST OF WARNING (ERROR) CODES

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts | |
|---------------------------------------|--------------|---|--|---|---|--|
| Communication abnormalities | F10-1 | Failure in serial communication between the PRDB (printer drive board) and CB (overall control board). | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | Switch SW2 (sub power switch) OFF and then back ON. | PRDB (printer drive board) CB (overall control board) | |
| | F10-2 | Two consecutive failures to respond to PRDB (printer drive board) A/D conversion request. | | | PRDB (printer drive board) | |
| | F10-9 | Communication error at PRDB (printer drive board) SRGA (serial gate array) error. (Error in protocol for receive control signals SREC, SACK.) | | | PRDB (printer drive board) CB (overall control board) | |
| Feed-tray and drum-area abnormalities | F18-1 | Error in main body upper tray PS7 (tray upper limit detect (upper)) failed to turn ON within 26 seconds after M7 (tray (upper)) ON. | | | PRDB (printer drive board) M7 (tray (upper)) PS7 (tray upper limit detect (upper)) | |
| | F18-2 | Error in main body lower tray PS10 (tray upper limit detect (lower)) failed to turn ON within 26 seconds after M8 (tray (lower)) ON. | | | PRDB (printer drive board), M8 (tray (lower)) PS10 (tray upper limit detect (lower)) | |
| | F18-3 | Error in DB upper tray PS102 (upper limit detect (upper)) failed to turn ON within 26 seconds after M101 (tray 1) ON. | | | PFU DB (PFU drive board) or LCT DB (LCT drive board) M101 (tray 1) PS102 (upper limit detect (upper)) | |
| | F18-4 | Error in DB lower tray PS107 (upper limit detect (lower)) failed to turn ON within 26 seconds after M102 (tray 2) ON. | | | PFU DB (PFU drive board) M102 (tray 2) PS107 (upper limit detect (lower)) | |
| | F22-1 | Internal overheating The temperature at the outside of the drum reached or exceeded 47°C. | | |  | TCSB (toner-control sensor board) FM4 (internal cooling) |
| | F23-1 | PCL connector detached With 24V ON and PCL OFF, the PCL EM signal (pcl_em) was detected as "H" (software logic). | | | | Switch SW2 (sub power switch) OFF, connect the PCL connector, and then set SW2 ON. |

LIST OF WARNING (ERROR) CODES

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts | |
|---|--------------|--|--|--|--|--|
| High voltage  unit abnormalities | F26-1 | L detection output error L detection exceeds 3.0V. | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | Set SW2 (sub power switch) OFF and then back ON. | TDS (toner density sensor) PRDB (printer drive board) | |
| | | Toner density abnormality If L detection power exceeds 26V prior to toner out detection by the TLD (toner level detect), the automatic toner supply feature should restore the toner density. This error occurs if this feature fails to restore the density. | | | Toner bottle (reinstall) TDS (toner density sensor) TLD (toner level detect sensor) PRDB (printer drive board) Toner supply unit | |
| | | Abnormal output from TDS (toner density sensor) Maximum TDS output voltage failed to exceed 1.0V. | | | TDS (toner density sensor) PRDB (printer drive board) Developer | |
| | F26-2 | Abnormal output from TDS (toner density sensor) TDS output ripple voltage failed to reach 0.5V | | | TDS (toner density sensor) PRDB (printer drive board) M1 (main) Developer agitating screw Developing unit connector | |
| | F26-3 | Charging error EM detect signal (charge_em1) was read 3 times at 100msec intervals. | | | Main relay and 24V power supply go OFF at the end of the job. | Charging corona unit HV (high voltage unit) PRDB (printer drive board) |
| | F28-1 | Abnormal transfer spark (trans_em) detected 3 times at 20msec intervals, 5 times in succession for the same job. | | | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | Transfer corona unit HV (high voltage unit) PRDB (printer drive board) |
| | F28-2 | Abnormal separation spark (separate_em) detected 5 times at 20msec intervals, 5 times in succession for the same job. | | | Separation corona unit HV (high voltage unit) PRDB (printer drive board) | |
| Fixing high temperature abnormalities | F34-1 | TH1 (fixing temperature sensor 1) detected abnormally high temperature. Temperature detected by TH1 remained at or above 231°C for 0.4 seconds. | Main relay turns OFF and acceptance of all keys is disabled. | Set SW2 (sub power switch) OFF and then back ON after set to "0" the bit 1 in DIP SW3 in 25 mode. (If you switch power back on without releasing the latch, the error will recur.) | TH1 (fixing temperature sensor 1) TH2 (fixing temperature sensor 2) L2 (fixing heater lamp 1) L3 (fixing heater lamp 2) PRDB (printer drive board) DCPS (DC power supply) | |
| | F34-2 | TH2 (fixing temperature sensor 2) detected abnormally high temperature. Temperature detected by TH2 remained at or above 231°C for 0.4 seconds. | | | | |



| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|--------------------------------------|--------------|--|--|---|--|
| Fixing low temperature abnormalities | F35-1 | TH1 (fixing temperature sensor 1) detected abnormally low temperature. Occurs if main motor remains energized for longer than 10 seconds during idling state. | Main relay turns OFF and acceptance of all keys is disabled. | Set SW2 (sub power switch) OFF and then back ON, after set to "0" the bit 1 in DIP SW3 in 25 mode. (If you switch power back on without releasing the latch, the error will recur.) | TH1 (fixing temperature sensor 1) TH2 (fixing temperature sensor 2) L2 (fixing heater lamp 1) L3 (fixing heater lamp 2) PRDB (printer drive board) DCPS (DC power supply) |
| | F35-2 | TH1 (fixing temperature sensor 1) detected abnormally low temperature. During idling or copying, TH1 detected that temperature remained at or below 165°C for 10 seconds. | | | |
| | F35-3 | TH1 (fixing temperature sensor 1) detected abnormally low temperature (during warmup) If TH1 detects that temperature is below 170°C at the time that L2 (fixing heater lamp 1) is started, it records the temperature reading and compares this with the temperature reading obtained 10 seconds later. This error occurs if the difference between these temperature readings is less than a predetermined level. If TH1 detects that temperature is at or above 170°C at the time that L2 starts, this error occurs if TH1 fails to detect warm-up completion temperature within 10 seconds thereafter. | | | |
| | F35-4 | TH2 (fixing temperature sensor 2) detected abnormally low temperature. Occurs if L3 (fixing heater lamp 2) remains energized for longer than | | | |
| | F35-5 | 10 seconds during idling state. TH2 (fixing temperature sensor 2) detected abnormally low temperature. During idling or copying, TH2 detected that temperature remained at or below 165°C for 10 seconds. | | | |

LIST OF WARNING (ERROR) CODES

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|--------------------------------------|--------------|--|--|---|--|
| Fixing low temperature abnormalities | F35-6 | <p>TH2 (fixing temperature sensor 2) detected abnormally low temperature. At warm-up, if TH2 detects that temperature is less than 170°C at the time when L3 (fixing heater lamp 2) is first energized, it stores the temperature reading, then compares it with the temperature reading obtained 10 seconds later. This error occurs if the difference between the two reads is less than a predetermined value.</p> <p>If TH2 detects that temperature is 170°C or higher at the time when power is first supplied to L3, this error occurs if the TH2 fails to detect warm-up completion temperature within 10 seconds.</p> | Main relay turns OFF and acceptance of all keys is disabled. | Set SW2 (sub power switch) OFF and then back ON. Set to "0" the bit 1 in DIP SW3 in 25 mode. (If you switch power back on without releasing the latch, the error will recur.) | TH1 (fixing temp detector 1) TH2 (fixing temp detector 2) L2 (fixing heater lamp 1) L3 (fixing heater lamp 2) PRDB (printer drive board) DCPS (DC power supply) |
| | F35-7 | <p>Fixing heat roller wrapping jam failure This error occurs during print state if the temperature detected by TH1 (fixing temperature sensor 1) is more than 10 data readings above the temperature data reading obtained 1 second earlier (i.e., temperature is low), and this condition continues for 0.2 seconds.</p> | | | |
| | F35-8 | <p>Fixing heat roller wrapping jam failure This error occurs during print state if the temperature detected by TH2 (fixing temperature sensor 2) is more than 10 data readings above the temperature data reading obtained 1 second earlier (i.e., temperature is low), and this condition continues for 0.2 seconds.</p> | | | |

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|--------------------------------------|--------------|---|--|--|--|
| Fixing low temperature abnormalities | F35-9 ⚠ | TH1 (fixing temperature sensor 1) bad contact This error occurs during warm-up if TH1 fails to make its first detection of "Ready" temperature within 11 seconds after TH2 (fixing temperature sensor 2) first makes this detection. | Main relay turns OFF and acceptance of all keys is disabled. | Set SW2 (sub power switch) OFF and then back ON. Set to "0" the bit 1 in DIP SW3 in 25 mode. (If you switch power back on without releasing the latch, the error will recur.) | TH1 (fixing temperature sensor 1) TH2 (fixing temperature sensor 2) L2 (fixing heater lamp 1) L3 (fixing heater lamp 2) PRDB (printer drive board) DCPS (DC power supply) |
| | F35-10 ⚠ | TH2 (fixing temperature sensor 2) bad contact This error occurs during warm-up if TH2 fails to make its first detection of "Ready" temperature within 11 seconds after TH1 (fixing temperature sensor 1) first makes this detection. | | | |
| Broken fixing sensor (open circuit) | F36-1 | TH1 (fixing temperature sensor 1) high temperature error This error occurs if TH1 high temperature error signal is detected continuously for at least 1 second. | | | |
| | ⚠ F36-2 | TH1 (fixing temperature sensor 1) open error Occurs if TH1 open signal is detected. | | | |
| | ⚠ F36-3 | TH2 (fixing temperature sensor 1) high temperature error This error occurs if TH2 high temp error signal is detected continuously for at least 1 seconds. | | | |
| | ⚠ F36-4 | "TH2 (fixing temperature sensor 2) open" error "TH2 open" signal is detected. | | | |


LIST OF WARNING (ERROR) CODES


| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|--------------------------------|--------------|---|--|---------------------------------------|--|
| Scanner abnormalities | F40-1 | Communication error at optics CPU SRGA error (bad parity, overrun, or framing error in received data) or by transmission timeout [100ms]. | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | Switch SW2 (sub power switch) OFF/ON. | SCDB (scanner drive board) |
| | F40-9 | Communication error at optics CPU SRGA error (protocol error in receive control signal [SREQ, SACK]). | | | |
| | F41-1 | M2 (optical drive) drive error Occurs at exposure unit initial search or at exposure unit return scan if PS14 (optics home-position) fails to turn ON within a predetermined time. | | | M2 (optical drive) SCDB (scanner drive board) |
| | F43-1 | L1 (exposure lamp) error Occurs if L1 error signal is detected continuously for 500msec (excluding first 500msec after L1 ON). | | | L1 (exposure lamp) |
| Image processing abnormalities | F46-1 | Laser-driver error Caused by overcurrent in laser output. | Scanner stops immediately. | | Laser diode LDB (laser drive board) CB (overall control board) |
| | F46-8 | Laser index error Occurs if index period is different from expected value. | | | INDEX (index sensor board) M5 (polygon) Laser route CB (overall control board) |
| | F46-10 | AOC error AOC counter overflow | | | ADB (A/D conversion board) L1 (exposure lamp) INV1 (exposure lamp inverter) Exposure unit stop position CB (overall control board) |

LIST OF WARNING (ERROR) CODES


| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|--------------------------------|--------------|---|--|--|--|
| Image processing abnormalities | F46-11 | AGC error AGC counter overflow | Scanner stops immediately. | Switch SW2 (sub power switch) OFF/ON. | ADB (A/D conversion board) L1 (exposure lamp) INV1 (exposure lamp inverter) exposure unit stop position CB (overall control board) |
| | F49-2 | LDB (laser drive board) connection error | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | | LDB (laser drive board) CB (overall control board) |
| | F49-4 | INDEX (index sensor board) connection error | | | INDEX (index sensor board) CB (overall control board) |
| | F49-6 | ADB (A/D conversion board) connection error | Scanner stops immediately. | | ADB (A/D conversion board) CB (overall control board) flex wire bundle |
| Motor speed abnormalities | F51-4 | M3 (developing) speed error EM detect signal (developing_motor_em) detected 5 times at 100msec intervals. | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | M3 (developing) PRDB (printer drive board) | |
| | F51-5 | M1 (main) speed error EM detect signal (drum_motor_em) detected 5 times at 100msec intervals. | | M1 (main) PRDB (printer drive board) | |
| | F51-6 | M5 (polygon) speed error M5 was not locked 5 sec. after starting to run. | | M5 (polygon) PRDB (printer drive board) | |
| Fan lock abnormalities | F52-1 | FM3 (Internal dehumidifying fan) error EM detect signal detected 5 times at 100msec intervals. | | FM3 (internal dehumidifying) PRDB (printer drive board) | |
| | F52-2 | FM2 (fixing cooling fan) error EM detect signal detected 5 times at 100msec intervals. (Clear if detection counter is not EM). | | FM2 (fixing cooling) PRDB (printer drive board) | |
| | F52-3 | FM4 (internal cooling) error EM detect signal detected 5 times at 100msec intervals. (Clear if detection counter is not EM). | | FM4 (internal cooling) PRDB (printer drive board) | |
| | ③ F52-4 | FM5 (developing suction) error EM detection signal detected 5 times at 100 msec intervals. (Clear if detection counter is not EM.) | | FM5 (developing suction) PRDB (printer drive board) | |
| | ③ F52-6 | IP CPU fan abnormal | | Printer controller (IP-421/422) | |
| | | | | | |



LIST OF WARNING (ERROR) CODES

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|---|--|---|-------------------------|---|---|
| Image control communication abnormalities | E56-1 | Communication error between system-control and engine-control sections of the CB (overall control board). Occurs if CB fails to responds when SW2 (sub power) turns ON. (10sec.) | Engine power supply OFF | Switch SW2 (sub power switch) OFF/ON. (CB reset) | CB (overall control board) |
| | E56-2 | Communication error between system-control and engine-control sections of the CB (overall control board). Process READY signal not detected for 30sec. during standby. | | | CB (overall control board) |
| | E56-3 | Communication error between system-control and engine-control sections of the CB (overall control board). Scanner READY signal is not detected for 30sec. during standby. | | | CB (overall control board) |
| | E56-4 | Communication error between system-control and engine-control sections of the CB (overall control board). Finisher READY signal is not detected for 30sec. during standby. | | | CB (overall control board) FSCB (FS control board) |
| | E56-5 | Communication error between system-control and engine-control sections of the CB (overall control board). Platen-original size notification timeout (5sec.). | | | CB (overall control board) |
| Operations unit control abnormalities | E56-6 | Operation status error Memory access error at copy insertion. | | | CB (overall control board) |
| | E56-7 | Control error at panel manager | | | |
| | E56-8 | Operation drawing error Screen-data drawing mismatch | | | |
| | E56-9 | Operation drawing error Drawing-component data error | | | |
| |  E56-10 | Operation panel communication error | | | CB (overall control board) OB (operation board) |
| Main body abnormalities | F56-11 | Main-body identification error Detected CB (overall control board) (ROM) for different machine. | Machine cannot be used. | Switch SW2 (sub power switch) OFF/ON, then overwrite the overall control ROM-ISW. | CB (overall control board) |

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|----------------|---|---|---|--|---|
| DF-314 | F60-1 | RADF communication error <ul style="list-style-type: none"> Caused by SRGA error detection (bad parity, overrun, or framing error in received data) or by transmission timeout [100ms]). Caused by SRGA error detection (protocol error in receive control signal [SREQ, SACK]). | RADF cannot be used. | Switch SW2 (sub power switch) OFF/ON. | DFCB (RADF control board) CB (overall control board) |
| | F60-11 | RADF flash-ROM error Detected checksum error in RADF flash ROM. | | Switch SW2 (sub power switch) OFF/ON, then overwrite the RADF ROM-ISW. | DFCB (RADF control board) |
| | F67-3 | Error in RADF nonvolatile memory Error in reading or writing the nonvolatile memory. | | Switch SW2 (sub power switch) OFF/ON. | DFCB (RADF control board) CB (overall control board) |
| FS-107 | F70-1 | FNS communication error Caused by SRGA error detection (bad parity, overrun, or framing error in received data) or by transmission timeout [100ms]). | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | | CB (overall control board) FSCB (FS control board) |
| | F70-9 | FNS communication error Caused by SRGA error detection (protocol error in receive control signal [SREQ, SACK]). | | | |
| | F70-11 | FNS flash-ROM error Detected checksum error in FNS flash ROM. | FNS cannot be used. | Switch SW2 (sub power switch) OFF/ON, then overwrite the FNS ROM-ISW. | FSCB (FS control board) |
| |  | F77-2 | M706 (tray up/down) drive error 1. Following removal of paper, tray failed to reach PS711 (tray upper limit detect) or PS706 (tray lower limit detect) within 10 sec. after start of tray up. 2. During copying, tray failed to reach PS711 (tray upper limit detect) or PS706 (tray lower limit detect) within 10 sec. after start of tray up. | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | Switch SW2 (sub power switch) OFF/ON. |

LIST OF WARNING (ERROR) CODES

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|--------------------|---|--|--|--|--|
| FS-107 | F77-3 | M704 (alignment (front)) drive error 1. Failed to reach HP within 1 second after start of alignment-plate HP search. 2. PS710 (alignment-plate HP detect (front)) failed to turn OFF within 1 seconds after start of alignment-plate size position shift. | If copying is in progress, the main body stops immediately, and the main relay and 24V power turn OFF. | Switch SW2 (sub power switch) OFF/ON. | M704 (alignment (front)) PS710 (alignment-plate HP detect (front)) FSCB (FS control board) |
| | F77-5 | M707 (paper-pressure) drive error M707 failed to complete 1 rotation within 500msec after starting to run. | | | M707 (paper-pressure) FSCB (FS control board) |
| |  F77-6 | M705 (stapler shift) drive error 1. Stapler unit failed to reach PS708 (stapler unit HP detect) within 1 seconds after the commencement of a stapler home search. 2. PS708 (stapler unit HP detect) failed to turn OFF within 1 second after start of double stapling standby position shifting. | | | FSCB (FS control board) M705 (stapler shift) PS708 (stapler-unit HP detect) |
| | F77-11 | Stapler reversal error Stapler failed to read PS712 (stapler HP detect) within 500msec after start of M708 (stapler) reverse drive. | | | FSCB (FS control board) M708 (stapler) |
| | F77-16 | M703 (alignment (rear)) drive error 1. Failed to reach HP within 1 second after start of alignment-plate HP search. 2. PS709 (alignment-plate detect (rear)) failed to turn OFF within 1 seconds after start of alignment-plate size position shift. | | | M703 (alignment (rear)) PS709 (alignment-plate detect (rear)) FSCB (FS control board) |
| | F77-18 | M709 (cooling fan) drive error Lock condition (lasting more than 10 seconds) was detected any time from 10 seconds after operation start following operation stop. | | | M709 (cooling fan) FSCB (FS control board) |
| Nonvolatile memory | F80-1 | Error in main body's nonvolatile memory Detected abnormal function parameter. | Factory settings are copied. | Switch SW2 (sub power switch) OFF/ON. (CB reset) | PRMB (Parameter memory board) |
| | F80-2 | Error in main body's nonvolatile memory Detected error in stored factory data. | | | |
| | F80-3 | Error in main body's nonvolatile memory Detected abnormal function parameter, error in stored factory data. | | | |
| | F80-4 | Error in main body's nonvolatile memory Unable to access function parameter. | | | |
| | F80-5 | Error in main body's nonvolatile memory Unable to access stored factory data. | | | |

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|--|--------------|--|--|--|-----------------------------|
| Flash ROM | F81-1 | Error in image-control flash ROM Detected checksum error in CB's image-control ROM. | Engine power supply OFF | Switch SW2 (sub power switch) OFF/ON, then overwrite the image-processing flash ROM. | CB (overall control board) |
| | F81-2 | Software error Overall control and image control have non-matching software device types. | | Switch SW2 (sub power switch) OFF/ON, then overwrite the flash ROM. | |
| | F81-3 | OEM compatibility error | | | |
| Printer board | E87-1 | Printer controller not identified. Printer controller did not respond. (But copier and fax can be used.) | Only the printer cannot be used.  | Switch SW1 (main power switch) OFF/ON. | Optional printer controller |
| | F87-2 | Printer-controller error Error F87-1 occurred 3 times in succession. | Engine power supply OFF  | Switch SW2 (sub power switch) OFF/ON. (CB reset) | |
| | F87-3 | Printer board HDD error HDD cannot be accessed. | | | |
| Image processing | E88-1 | Image error Error detected in image processing at overall control side. | Main relay and 24 V power supply go OFF at the end of | | CB (overall control board) |
| CB (overall control board) communication abnormalities | E89-1 | Copy sequence error Error in job object pointer. (Could not get page-control object for some reason.) | copying. Engine power supply OFF | | |
| | E89-2 | Copy sequence error Error in memory copy sequence. (Cause unknown) | | | |
| | E89-3 | Copy sequence error Error in through copy sequence (FCOT). (Cause unknown) | | | |
| | E89-4 | Copy sequence error Memory scanner did not complete stop. (Notification of stop completion not received from engine.) | | | |
| | E89-5 | Copy sequence error Memory printer did not complete stop. (Notification of stop completion not received from engine.) | | | |

LIST OF WARNING (ERROR) CODES

| Classification | Warning code | Causes | Resulting operation | Correction | Estimated abnormal parts |
|--|--------------|--|--|--|----------------------------|
| CB (overall control board) communication abnormalities | E89-6 | Sub power switch OFF processing wait timeout | Main relay and 24 V power supply go OFF at the end of copying. All indicators on the operation panel light. | Switch SW2 (sub power switch) OFF/ON. (CB reset) | CB (overall control board) |

Note: For details of E86-xx and other FAX-related error codes, refer to the FK service handbook.

About abnormal units isolation

The following table shows how defective units are cut off (by software) in accordance with the error type.

| Error code | Error | Unit to be cut off | Remarks |
|--------------------|--|----------------------|---|
| 18-1 | Error in main body upper tray | Main body upper tray | Tray can not be selected. |
| 18-2 | Error in main body lower tray | Main body lower tray | Tray can not be selected. |
| 18-3 | Error in DB upper tray | DB upper tray | Tray can not be selected. |
| 18-4 | Error in DB lower tray (LCT) | DB lower tray, LCT | Tray can not be selected. |
| 60-1, -9, 67-1, -3 | RADF error | RADF | RADF can not be used. |
| 70-1, -9, -11 | FNS error (Note) | FNS | FNS can not be used; FNS must be removed. |
| 77-2 | Error in FNS tray up/down drive (Note) | FNS | FNS can not be used; FNS must be removed. |
| 77-3, -16 | Error in FNS alignment-plate, pressure motor | FNS alignment unit | Only straight exit remains available. |
| ③ 77-5 | Error in FNS paper-pressure motor | FNS | FNS can not be used; FNS must be removed. |
| 77-6, -11 | FNS stapler error | FNS alignment unit | Only straight exit remains available. |
| ③ 77-18 | Error in FNS cooling fan motor | FNS | FNS can not be used; FNS must be removed. |
| 86-2, -3 | Fax-board error | Fax | Copying and printing remain enabled. |
| 87-2, -3 | Printer-board error | Printer | Copying and faxing remain enabled. |

Unit isolation Method

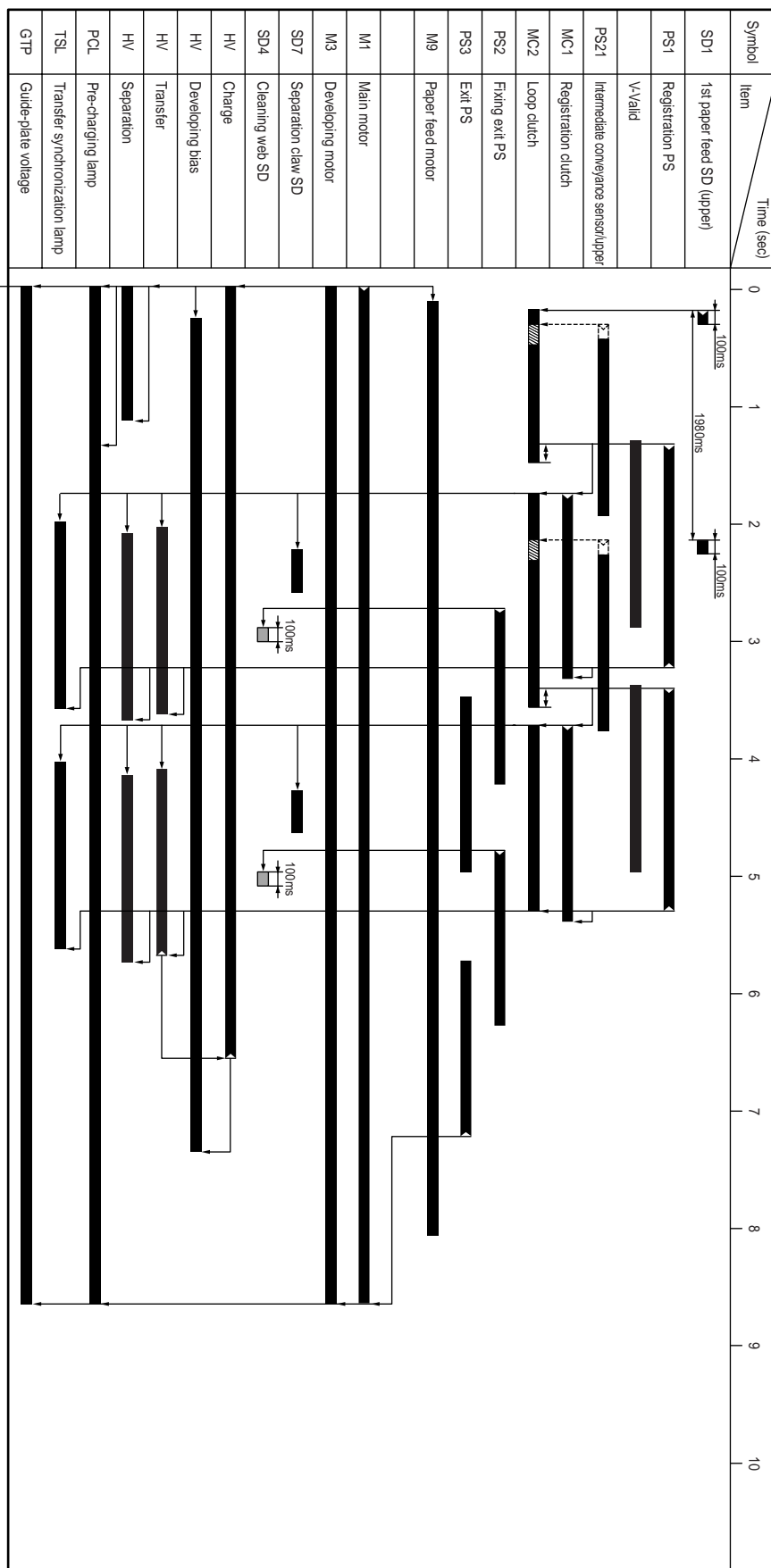
Upon the occurrence of any of the error codes shown above, the defective unit will be cut off from the system (by software) when you press the [AUTO RESET] key and then switching SW2 (sub power) OFF/ON. Other functions will remain available. Note that if you don't clear the problem in the defective unit, the error will be detected again (and the error code displayed again) the next time you turn SW2 OFF/ON. (This cutoff feature is effective one time only.)

③ **Note:** If F70-1, -9, -11 or 77-2, -5, -18 occurs, you cannot separate the unit concerned using the above procedure. In this case, you must either remove the cause of the error code or remove the FNS, otherwise printing will not take place.

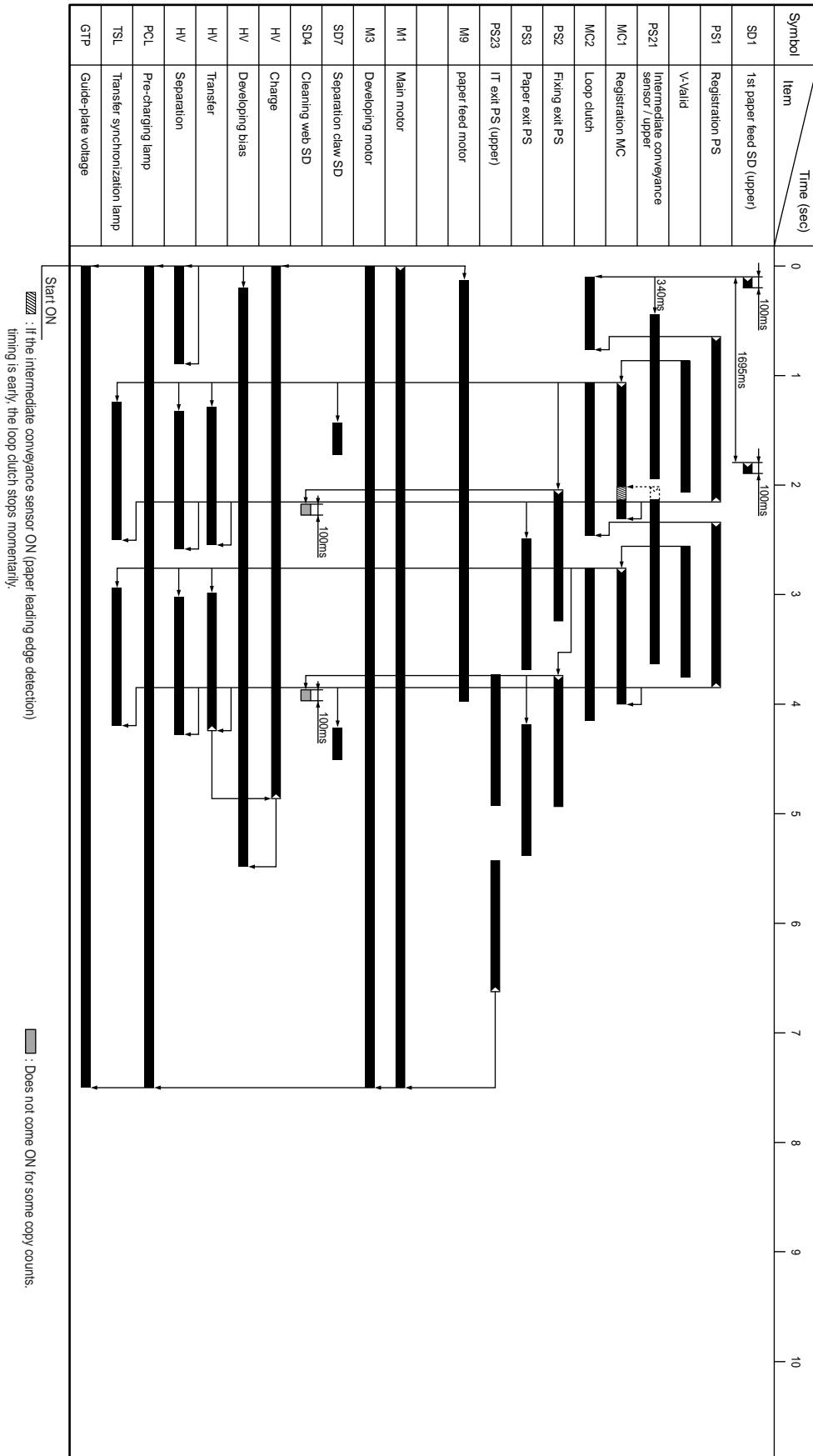
L detection error code list

| Code | Cause | Clearance method | Suspected defective part |
|------|--|----------------------------------|---|
| 0003 | The TDS (toner density sensor) output ripple at the end of L detection was 0.5 V or less. | SW2 (sub power switch) OFF/ON | <ul style="list-style-type: none"> • Developing unit connector • TDS (toner density sensor) • PRDB (printer drive board) |
| 0004 | The TDS (toner density sensor) output ripple while the developer is being agitated during L detection adjustment was 0.02 V or less (there is almost no change in output). | SW2 (sub power switch) OFF/ON | <ul style="list-style-type: none"> • M1 (main motor) • Developing agitator screw • Developing unit connector • TDS (toner density sensor) • PRDB (printer drive board) |
| 0005 | TDS (toner density sensor) control voltage cannot be adjusted to within the range 5.76~7.46 V. | SW2 (sub power switch) OFF/ON | <ul style="list-style-type: none"> • Developer • TDS (toner density sensor) • PRDB (printer drive board) |
| 0006 | TCSB (toner control sensor board) output signal D/A conversion error | SW2 (sub power switch) OFF/ON | <ul style="list-style-type: none"> • PRDB (printer drive board) • TCSB (toner control sensor board) |

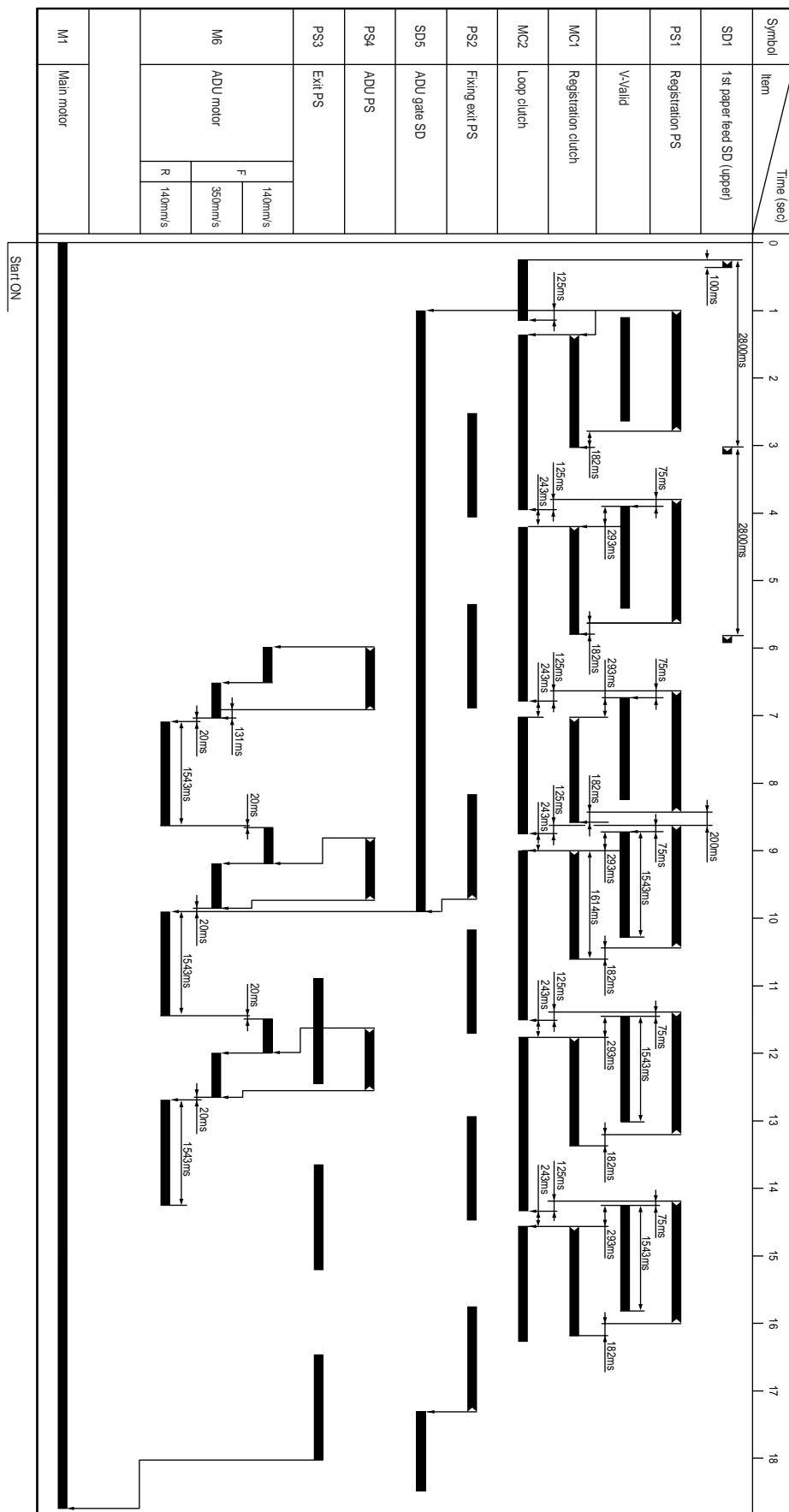
1 7030 TIME CHART (8.5X11, LIFE SIZE, 2 COPIES, FEED FROM TRAY 1)



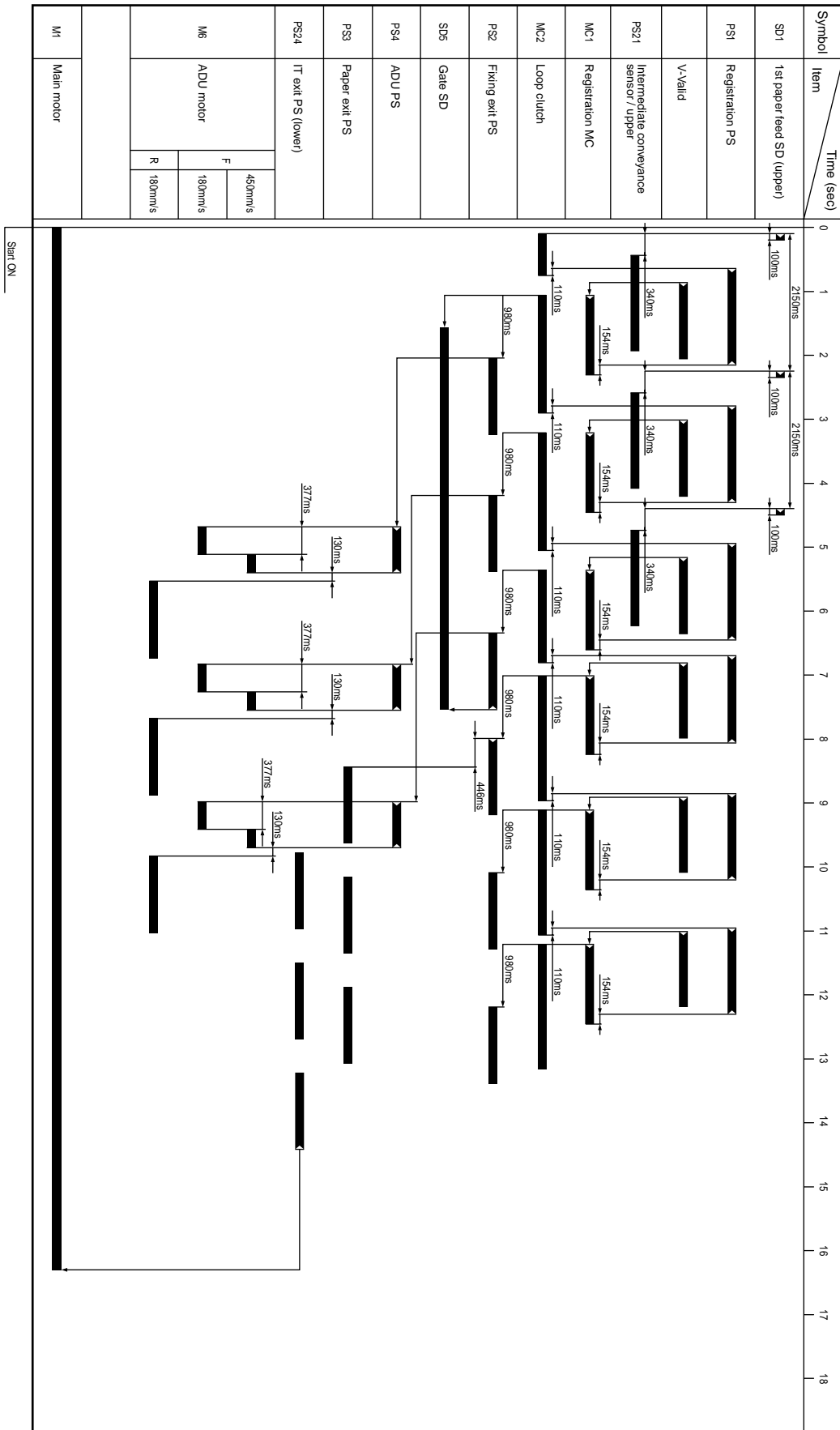
2 7035 TIME CHART (8.5X11, LIFE SIZE, 2 COPIES, FEED FROM TRAY 1)



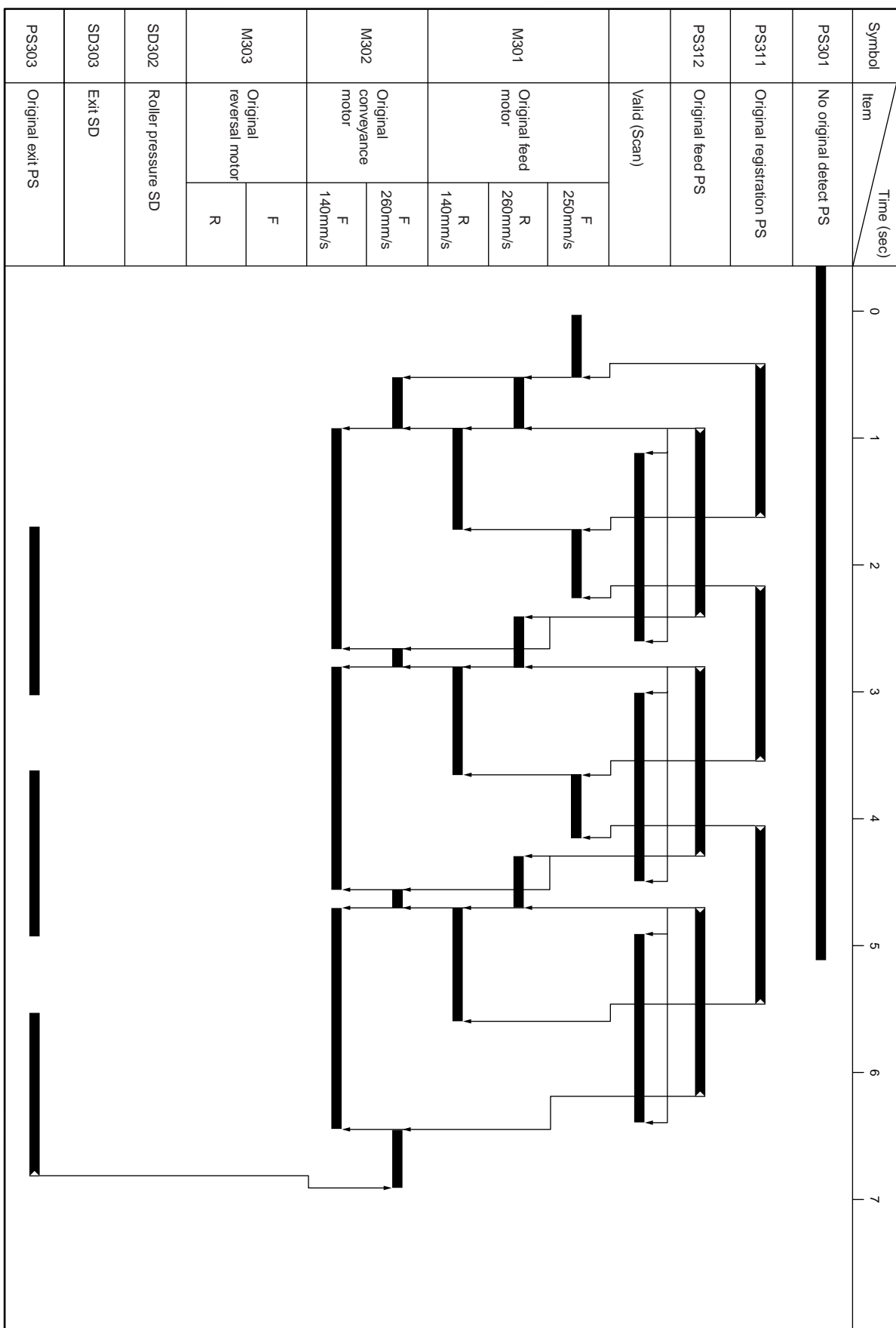
7020ADU TIME CHART (8.5X11, LIFE SIZE, 3 COPIES, FEED FROM TRAY 1)



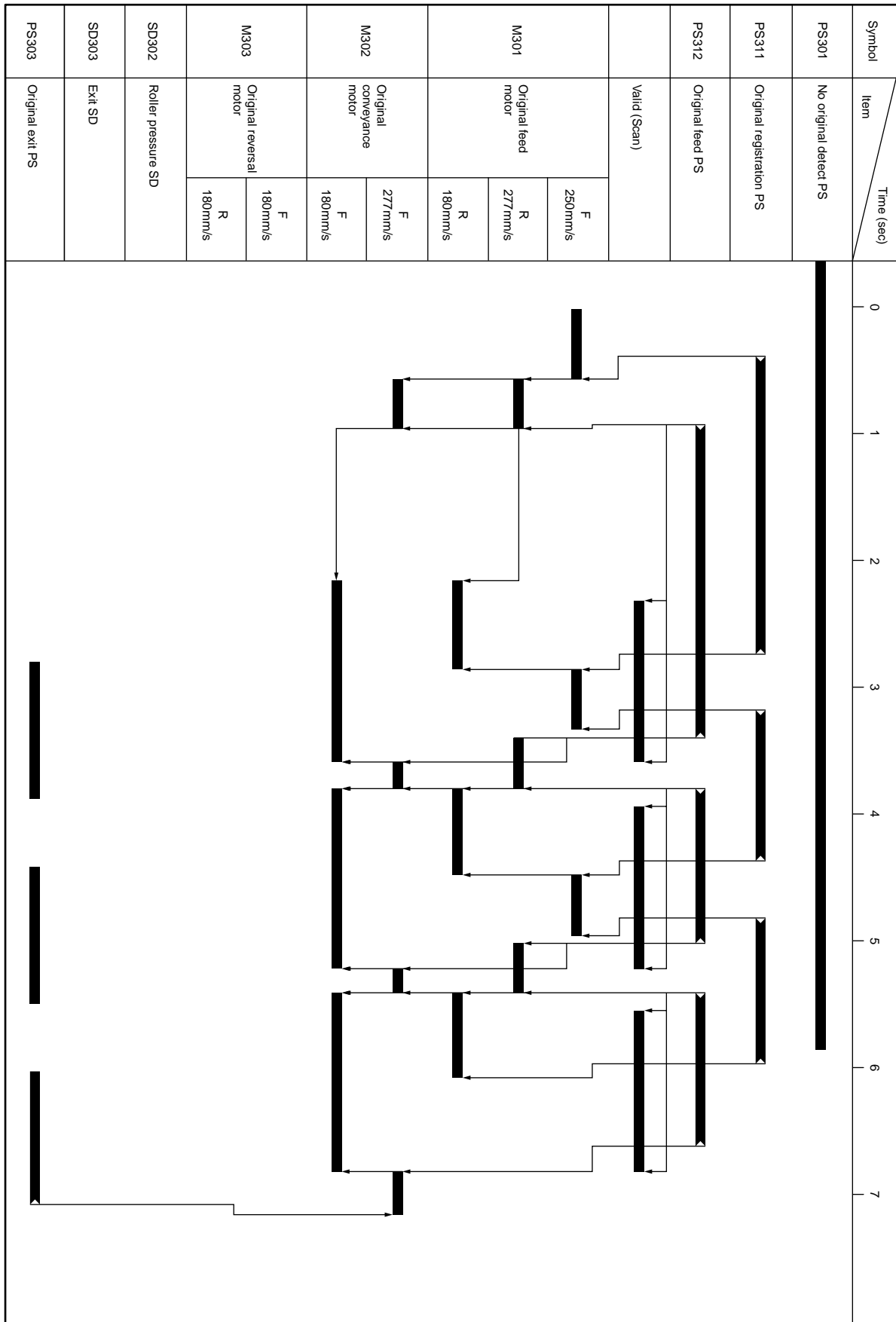
7035ADU TIME CHART (8.5X11, LIFE SIZE, 3 COPIES, FEED FROM TRAY 1)



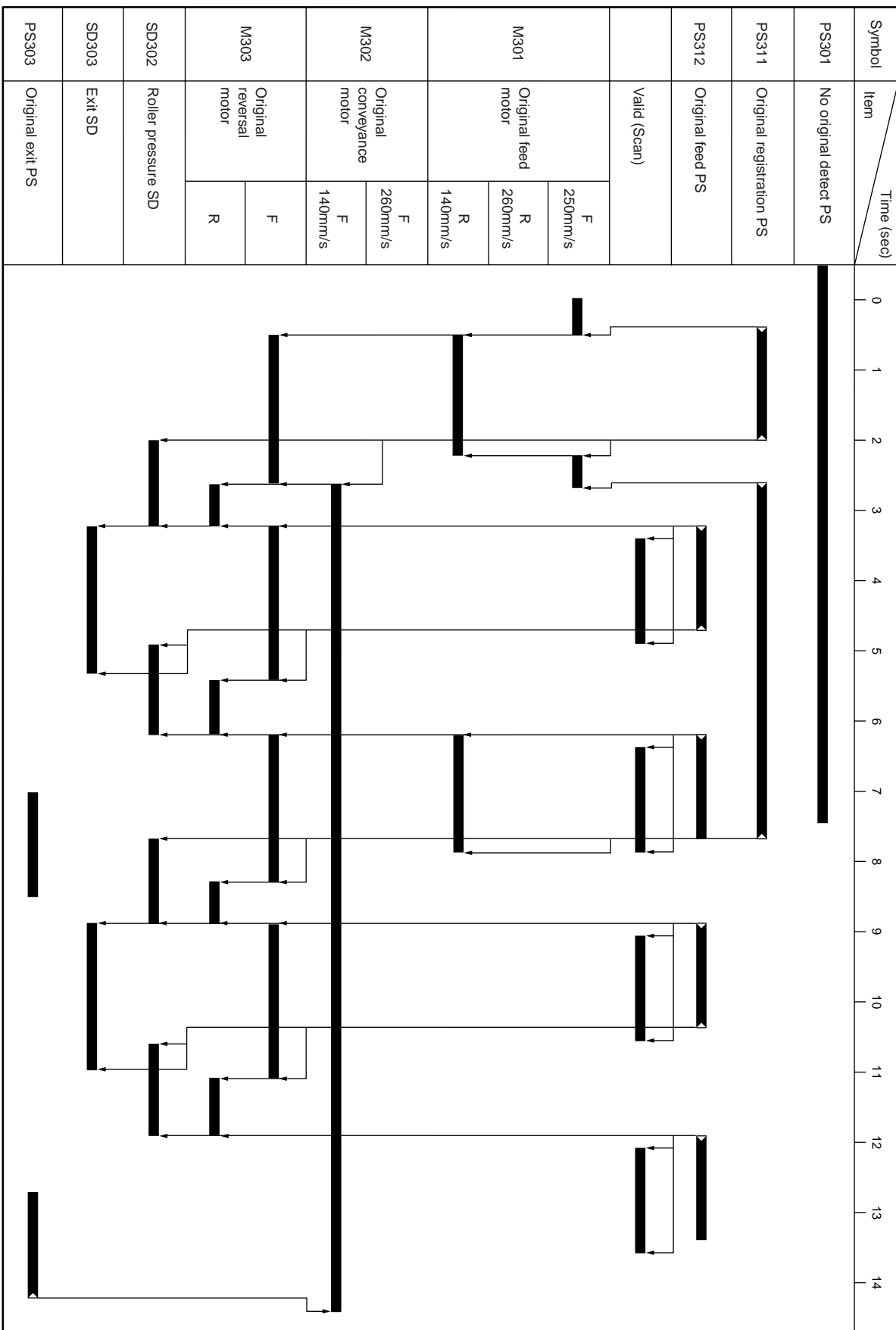
DF-314 TIME CHART (8.5X11, SINGLE SIDE ORIGINAL, 3 SHEETS)



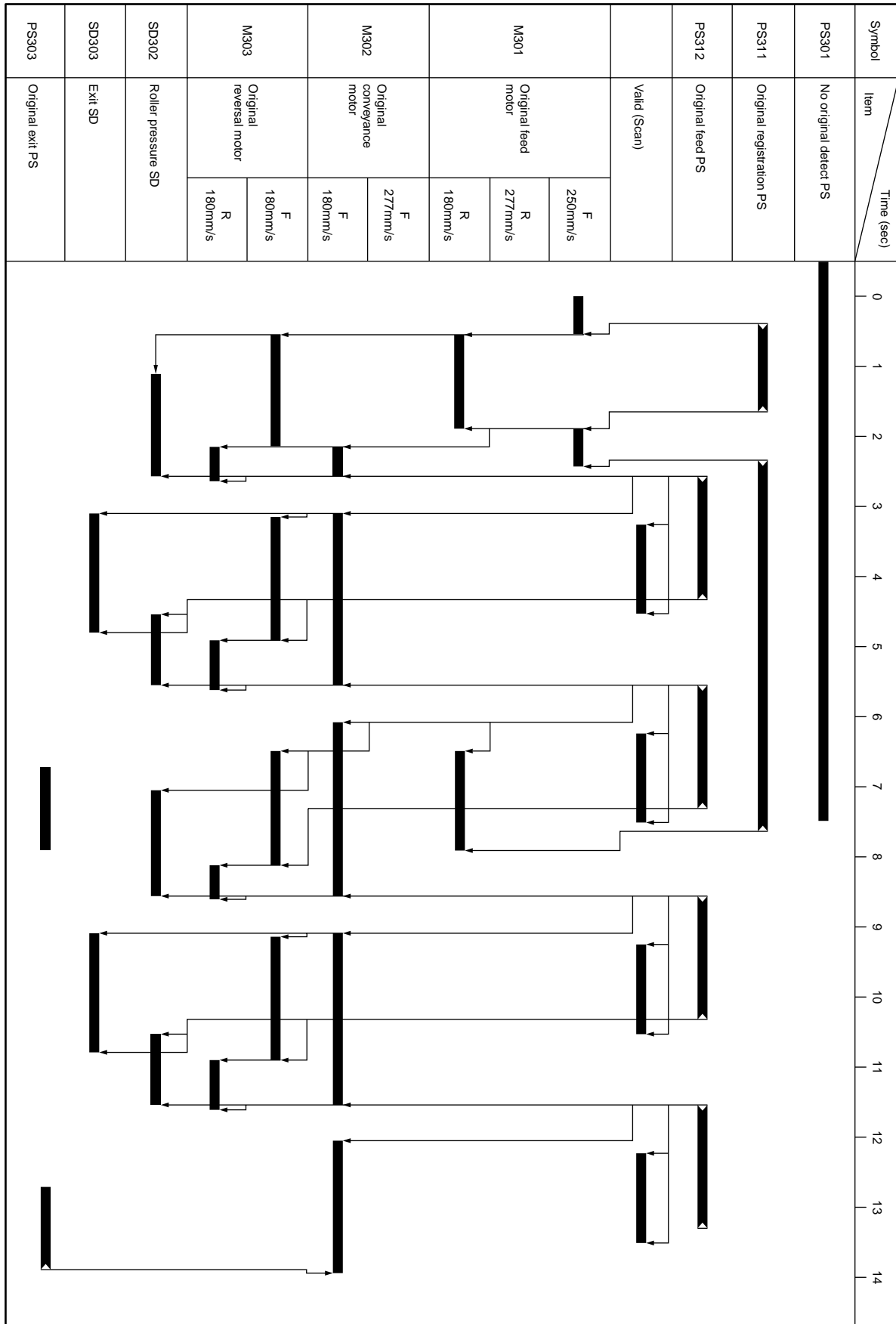
7035/DF-314 TIME CHART (8.5X11, SINGLE SIDE ORIGINAL, 3 SHEETS)



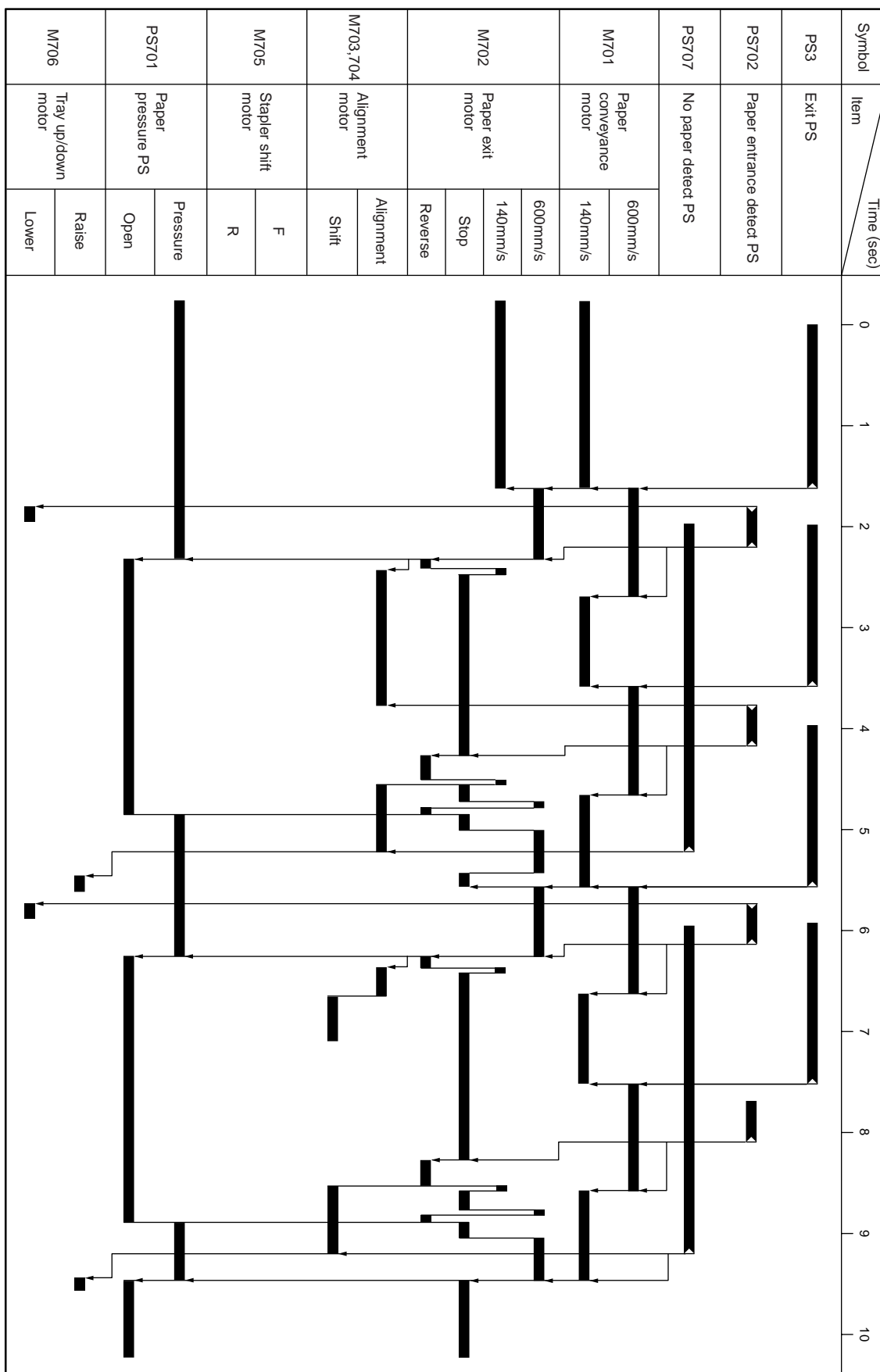
DF-314 TIME CHART (8.5X11, DOUBLE SIDE ORIGINALS, 2 SHEETS)



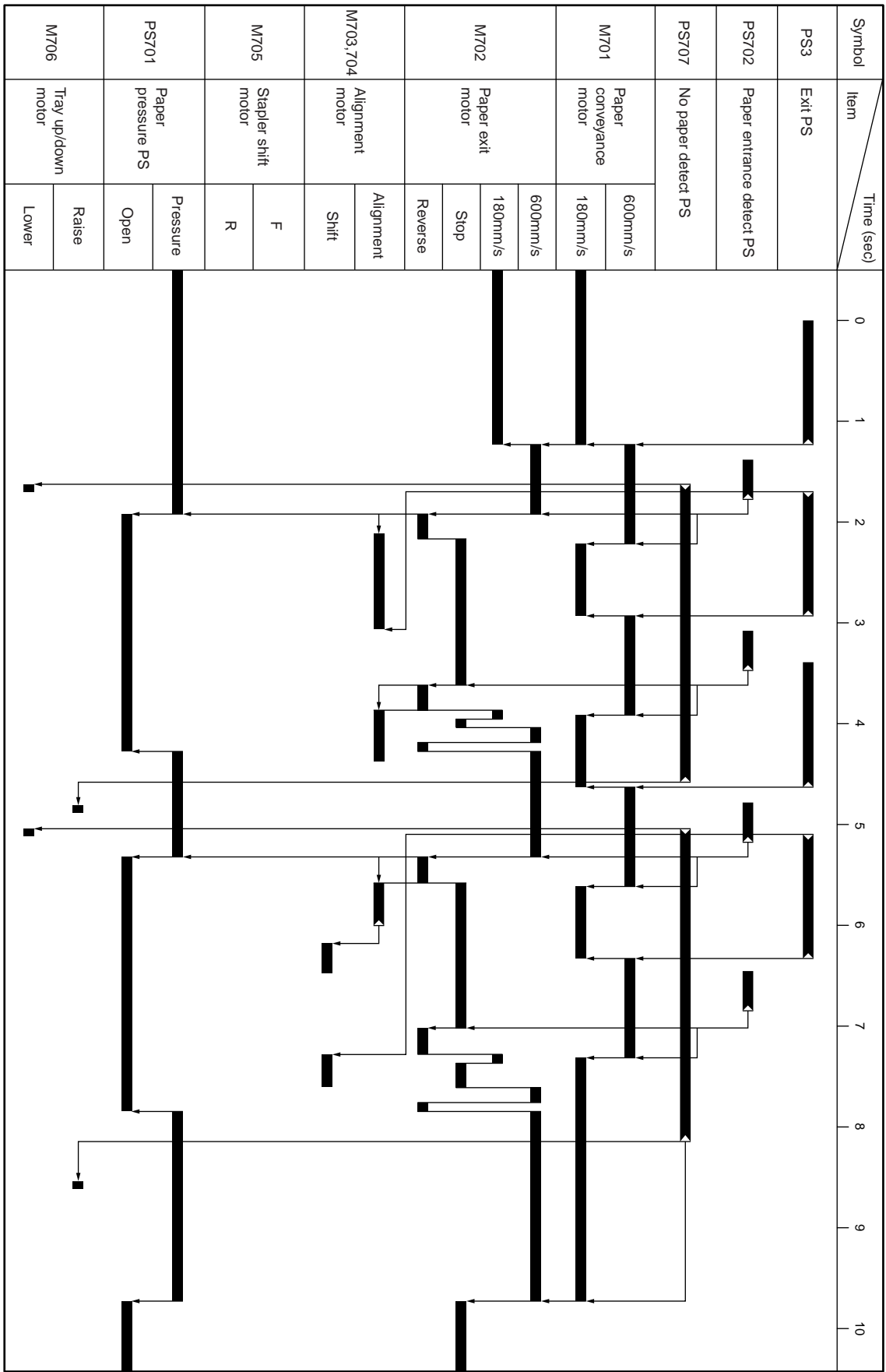
2 7035/DF-314 TIME CHART (8.5X11, DOUBLE SIDE ORIGINALS, 2 SHEETS)



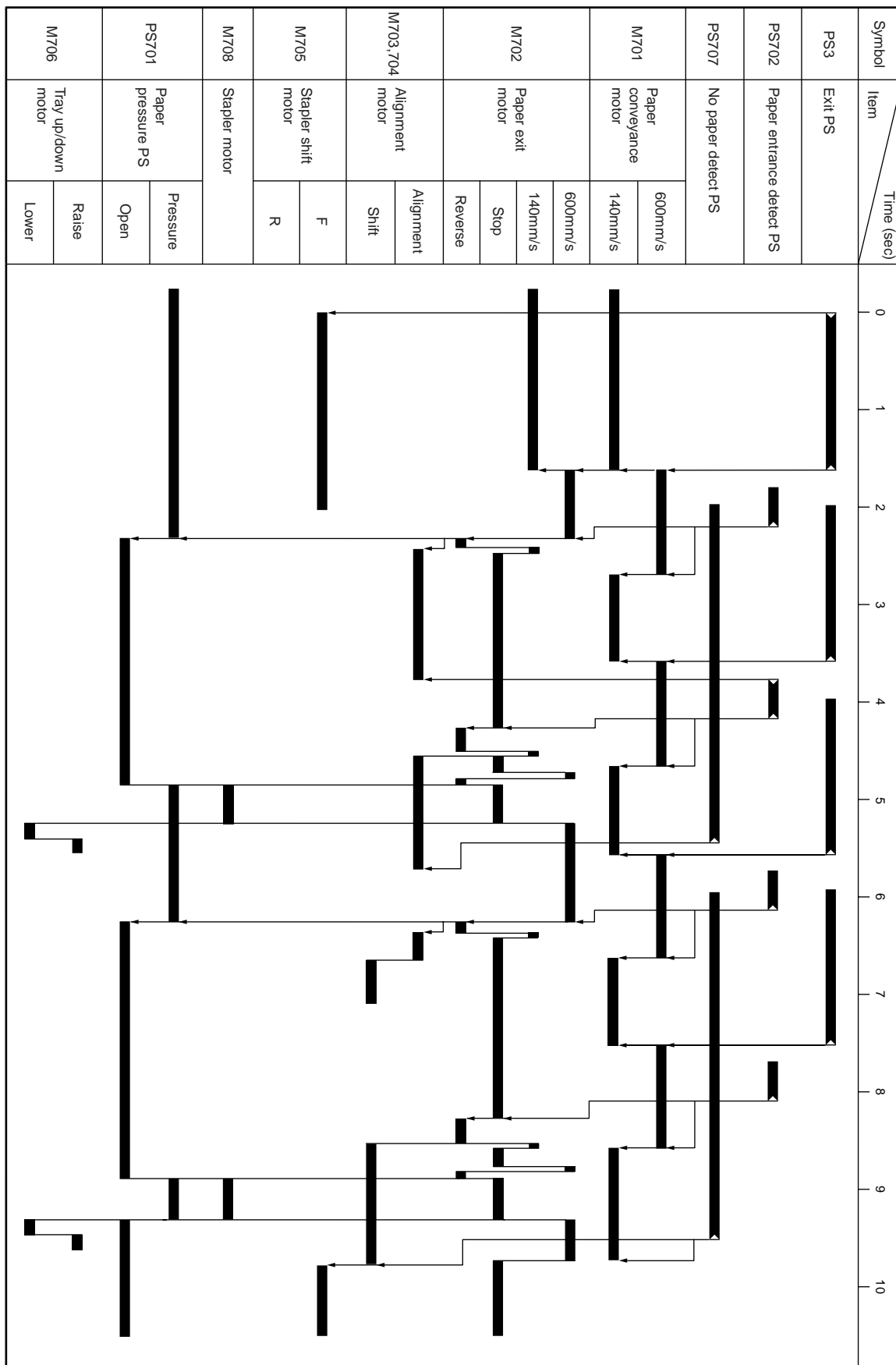
FS-107 TIME CHART (8.5X11, SORT MODE, 2 SHEETS, 2 SETS)



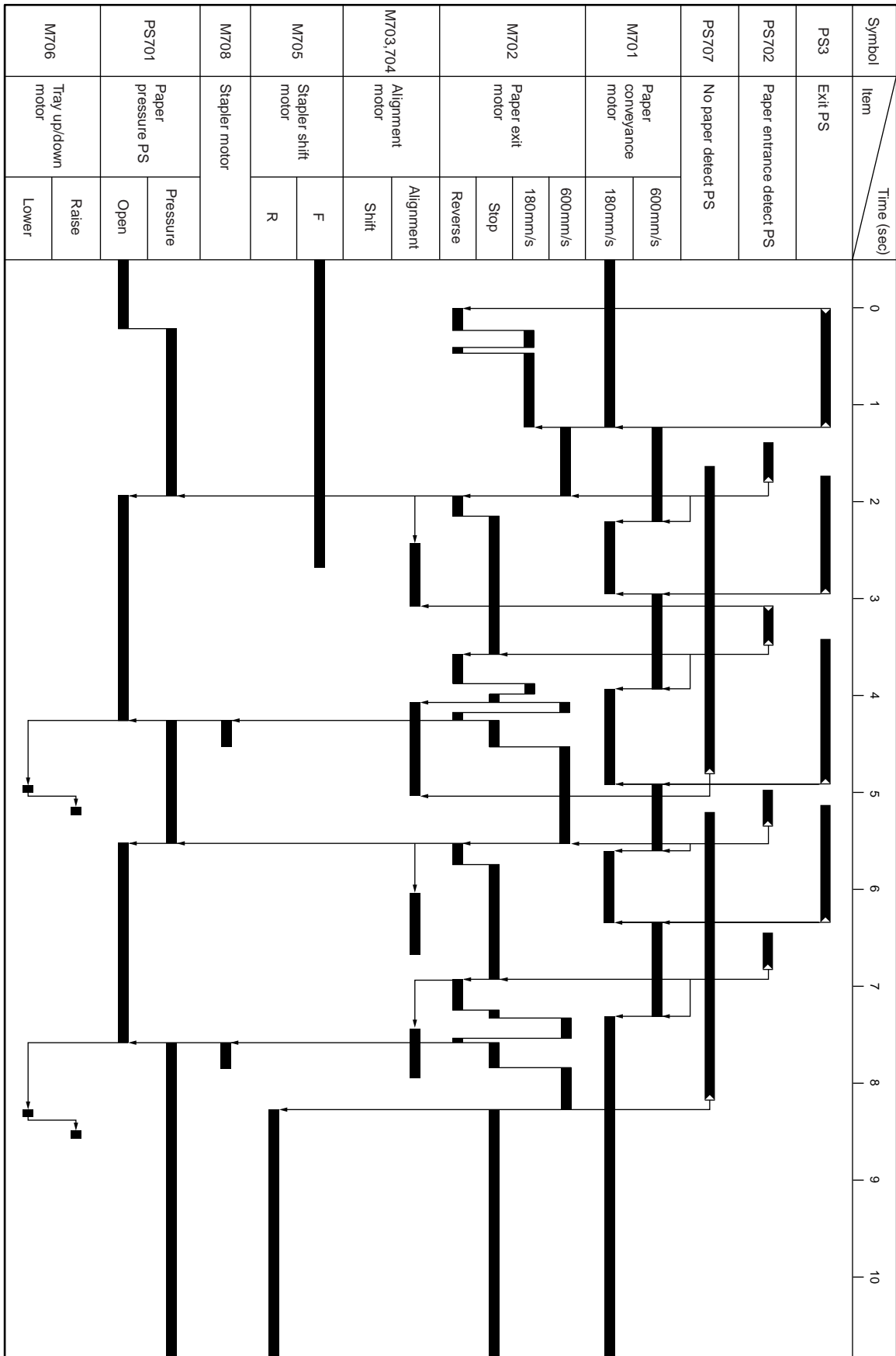
7035/FS-107 TIME CHART (8.5X11, SORT MODE, 2 SHEETS, 2 SETS)



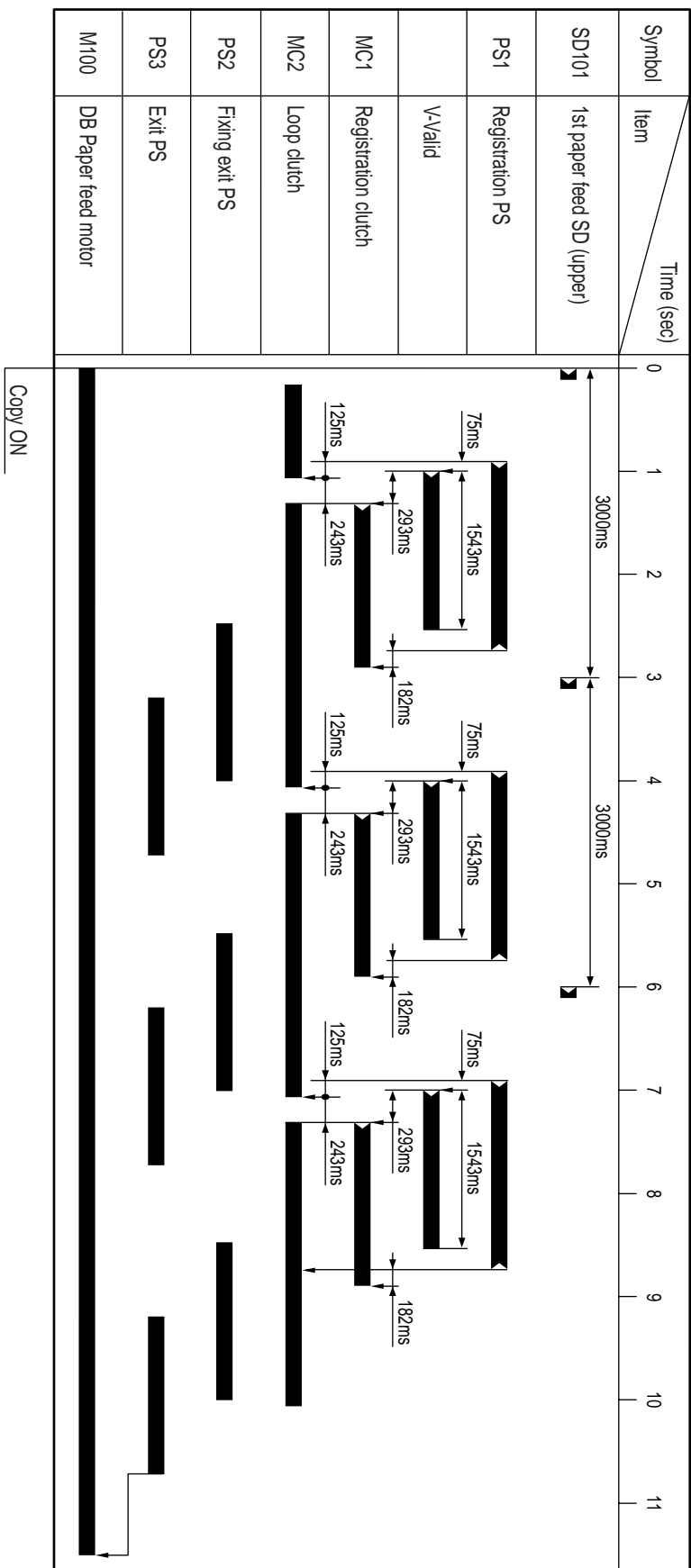
FS-107 TIME CHART (8.5X11, STAPLE MODE, 2 SHEETS, 1 POSITION)



7035/FS-107 TIME CHART (8.5X11, STAPLE MODE, 2 SHEETS, 1 POSITION)

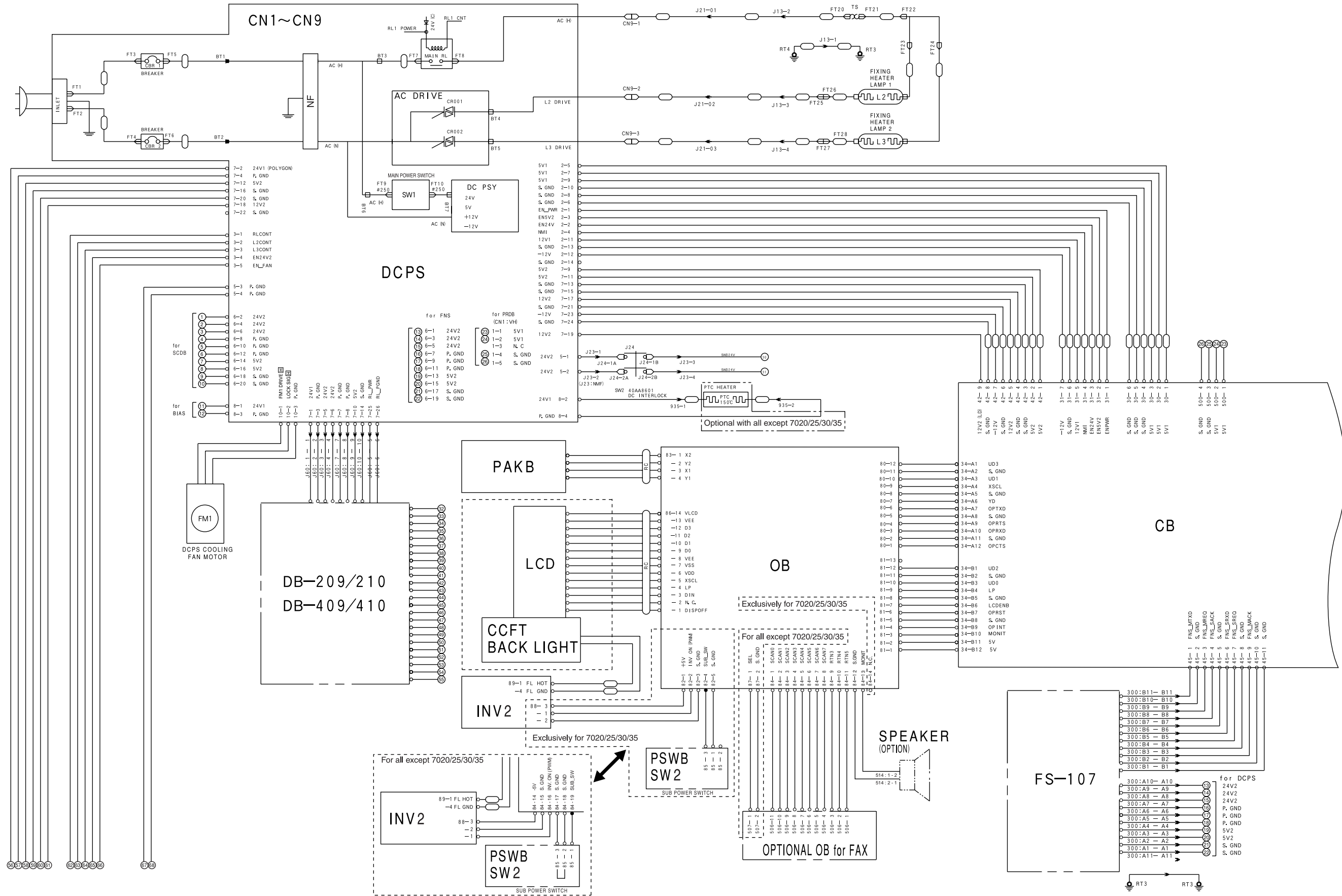


DB-209/DB409 TIME CHART (8.5X11, LIFE SIZE, 3 COPIES, FEED FROM TRAY 3)

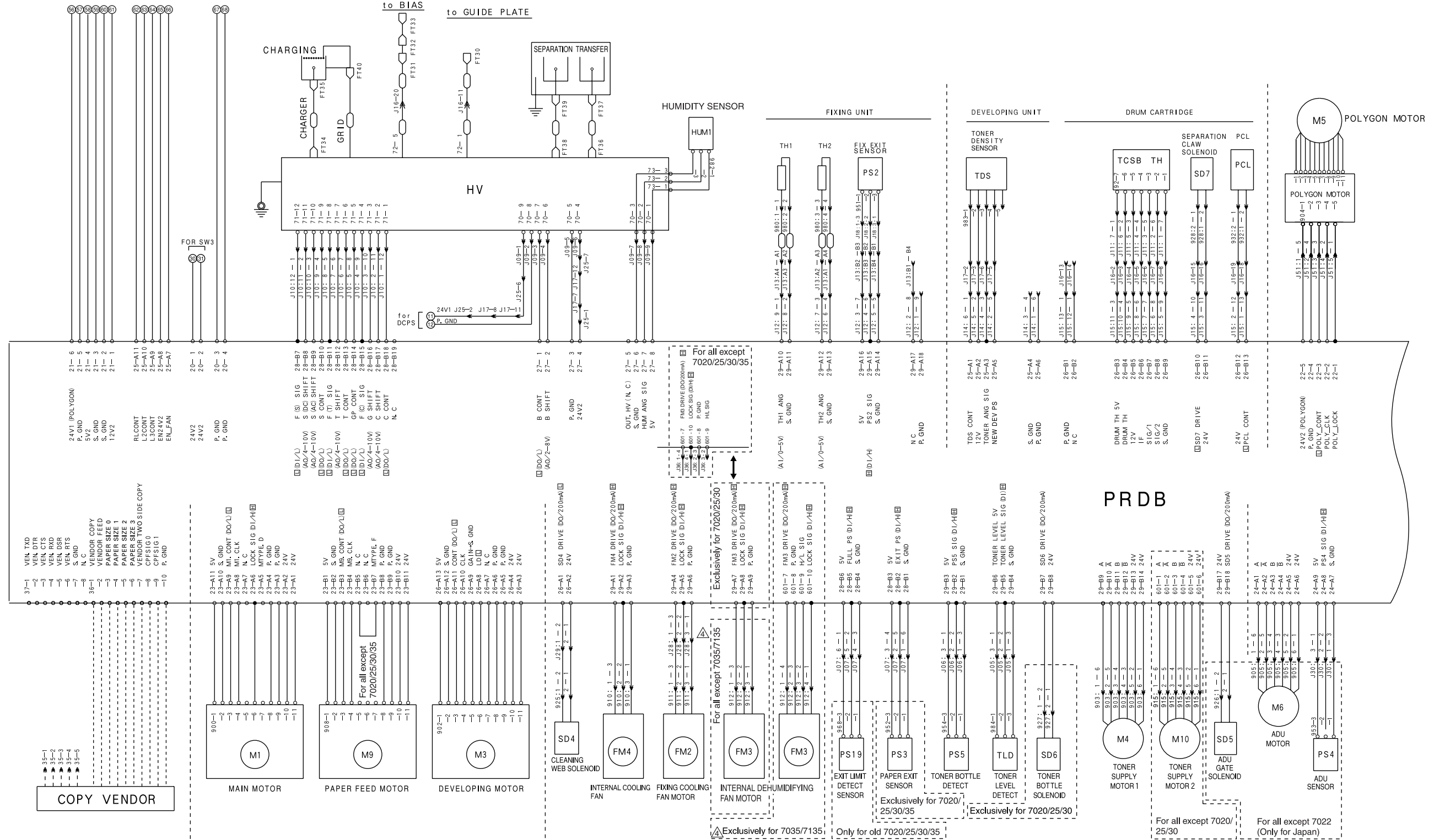


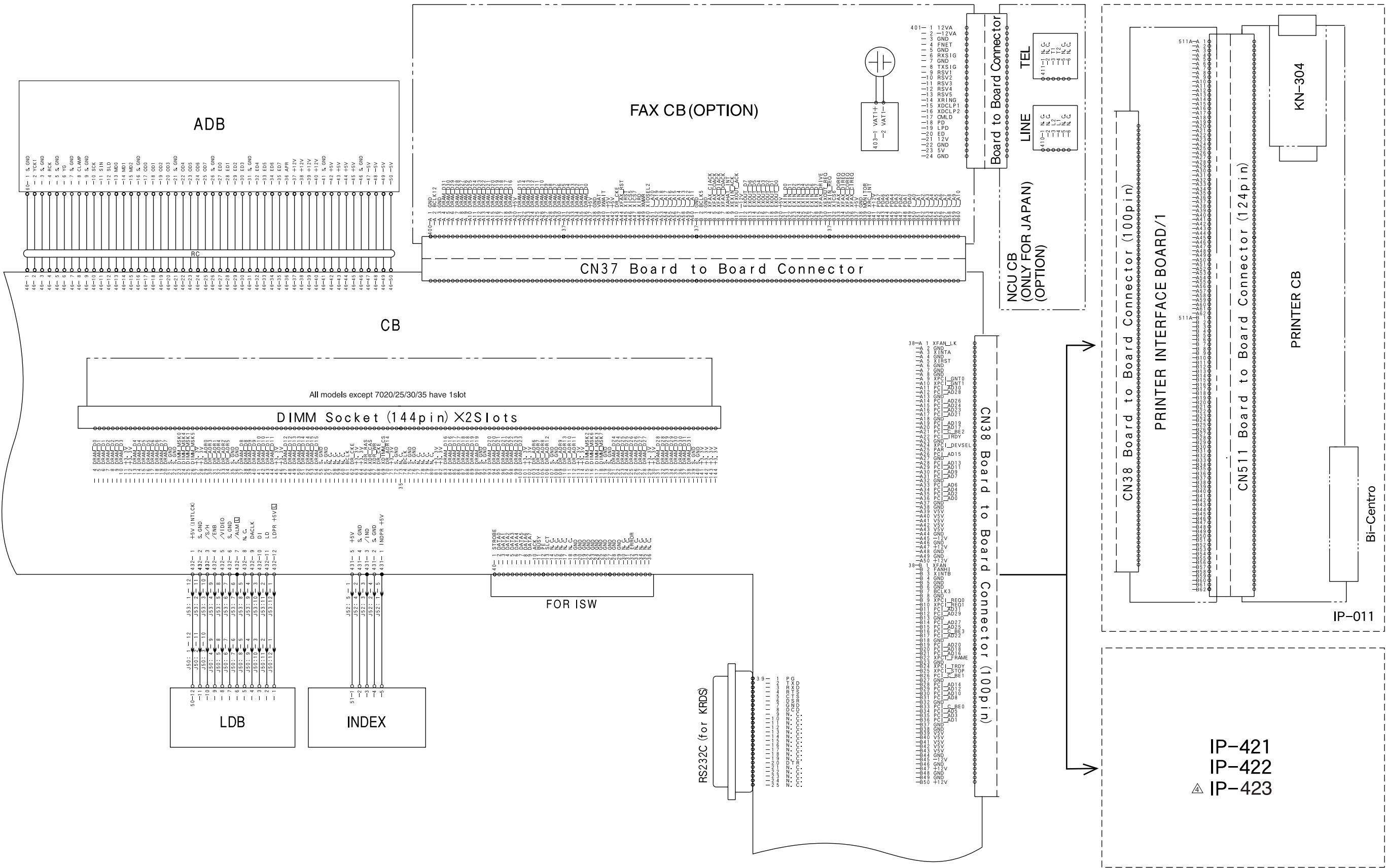
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7020 SERIES WIRING DIAGRAM (1/4)

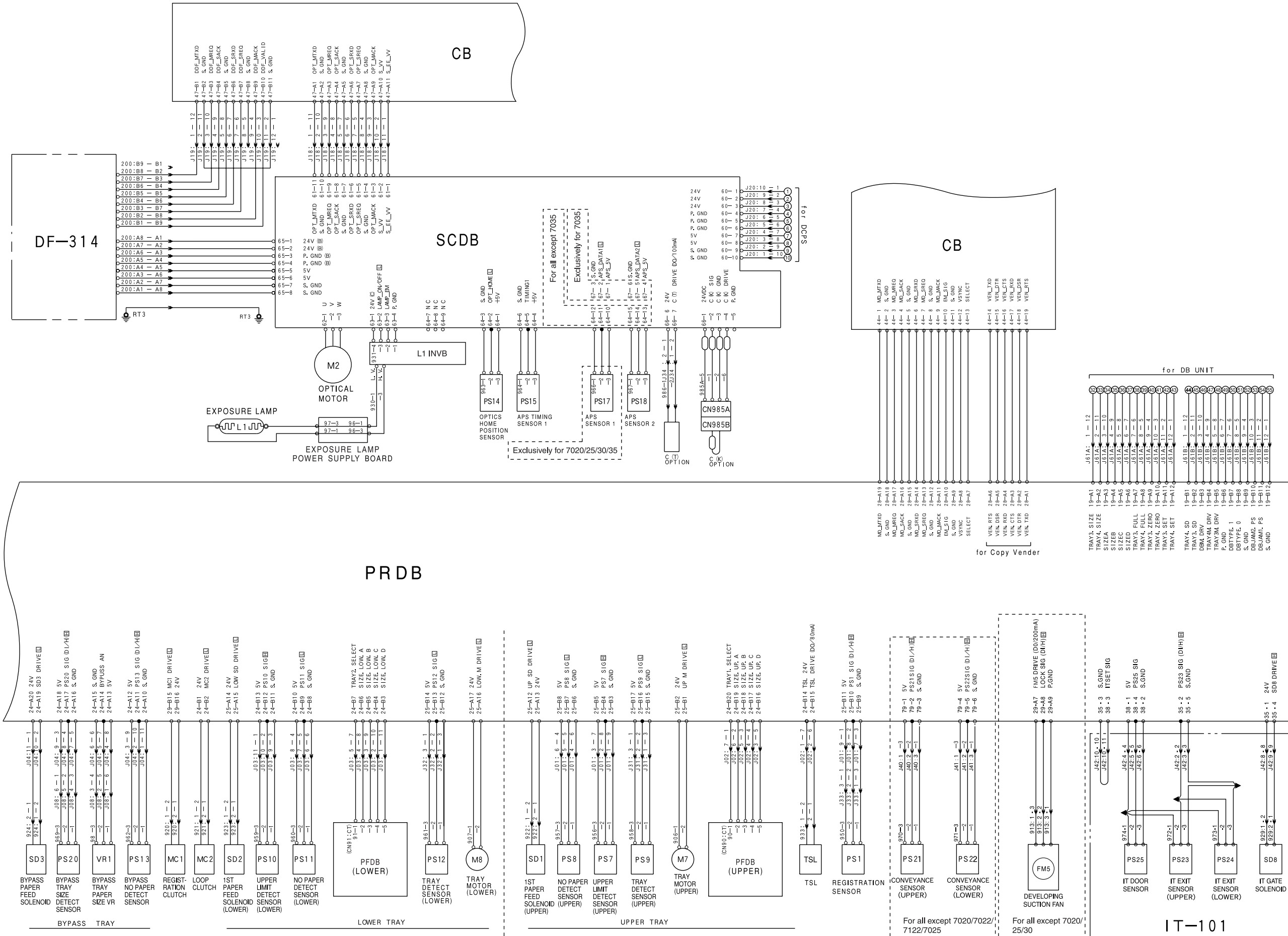


7020 SERIES WIRING DIAGRAM (2/4)





7020 SERIES WIRING DIAGRAM (4/4)



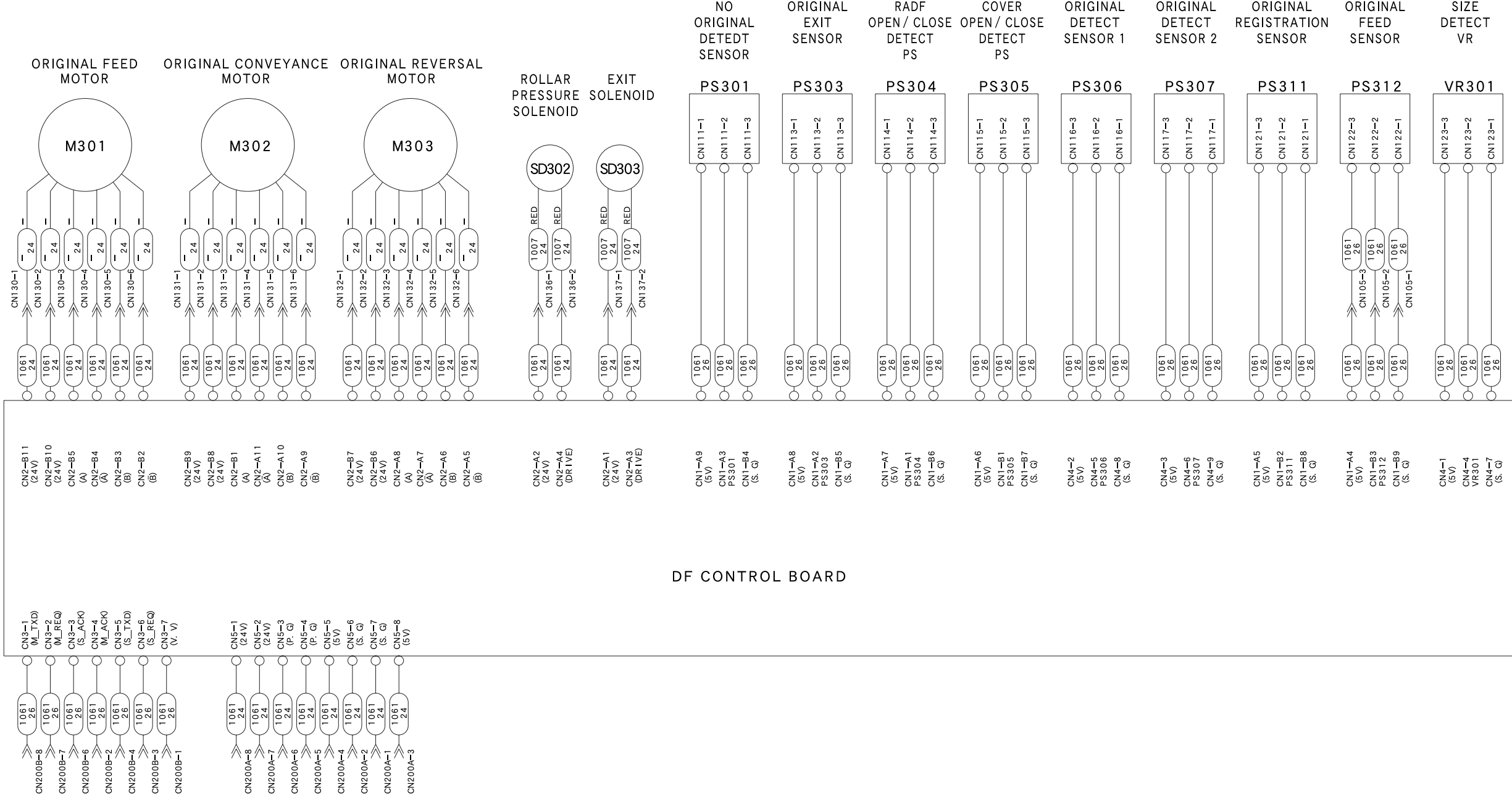
[How to see the diagram]

- The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
- Wiring symbols in the figure are as follows.
 - (1) [Symbol]
 - ▲ Crimp
 - Connector
 - ⊞ Relay connector
 - ⊞ Faston
 - (2) Signal types are as follows:
 - High level
 - ▢ Low level
 - ⊞ Analog signal
 - ⊞ Pulse signal
 - (3) (RC) is the flat cable.
 - (4) Signal flow

The solid black circle (●) among the connector symbols (○) indicates the direction of signal flow.

Example)

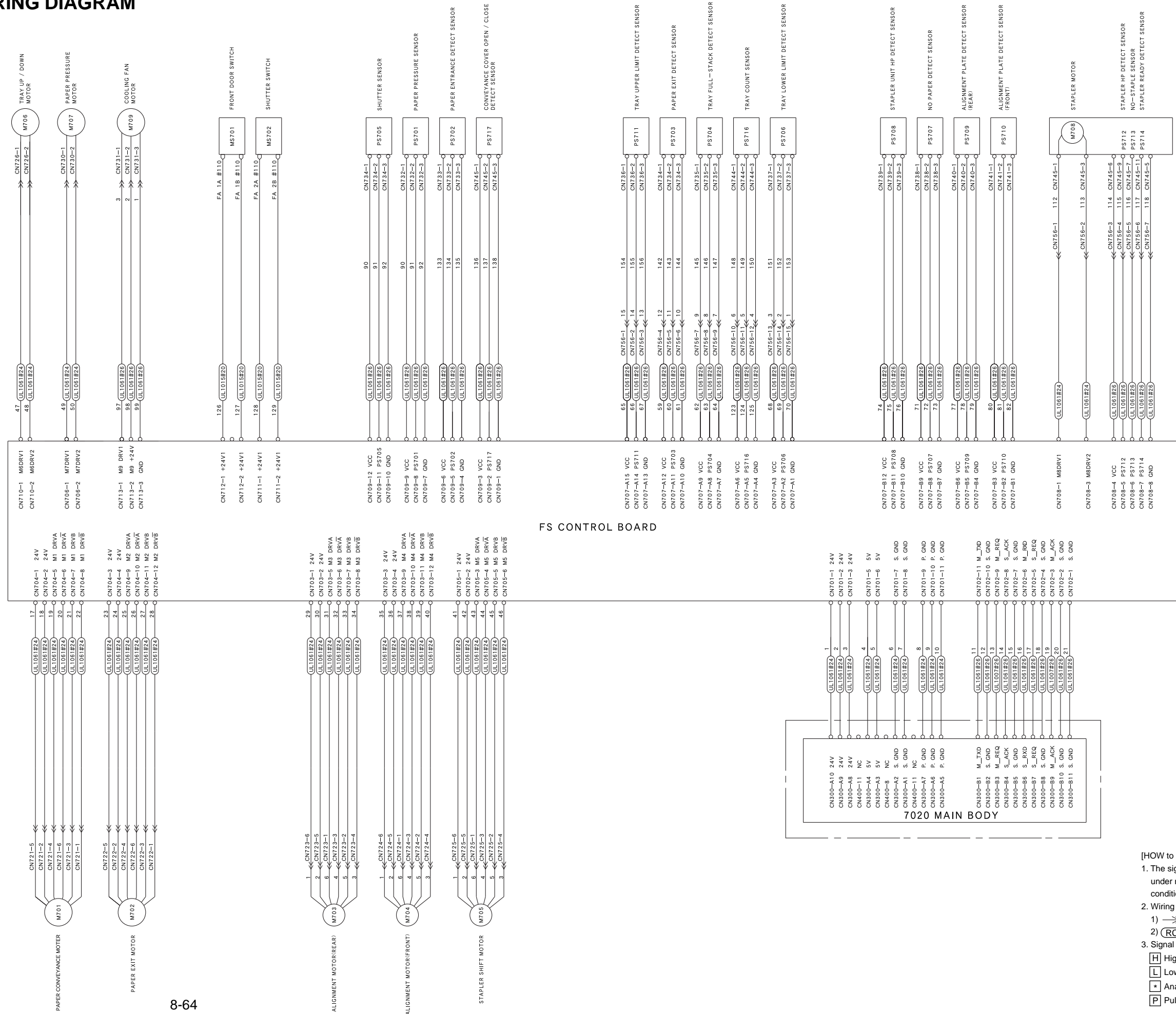
DF-314 OVERALL WIRING DIAGRAM



[HOW to see the diagram]

- The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
- Wiring symbols in the figure are as follows.
 - is Connector
 - Ⓜ is ribbon cable
- Signal symbols in the figure are as follows.
 - Ⓜ High active
 - Ⓛ Low active
 - Ⓜ Analog signal
 - Ⓜ Pulse signal

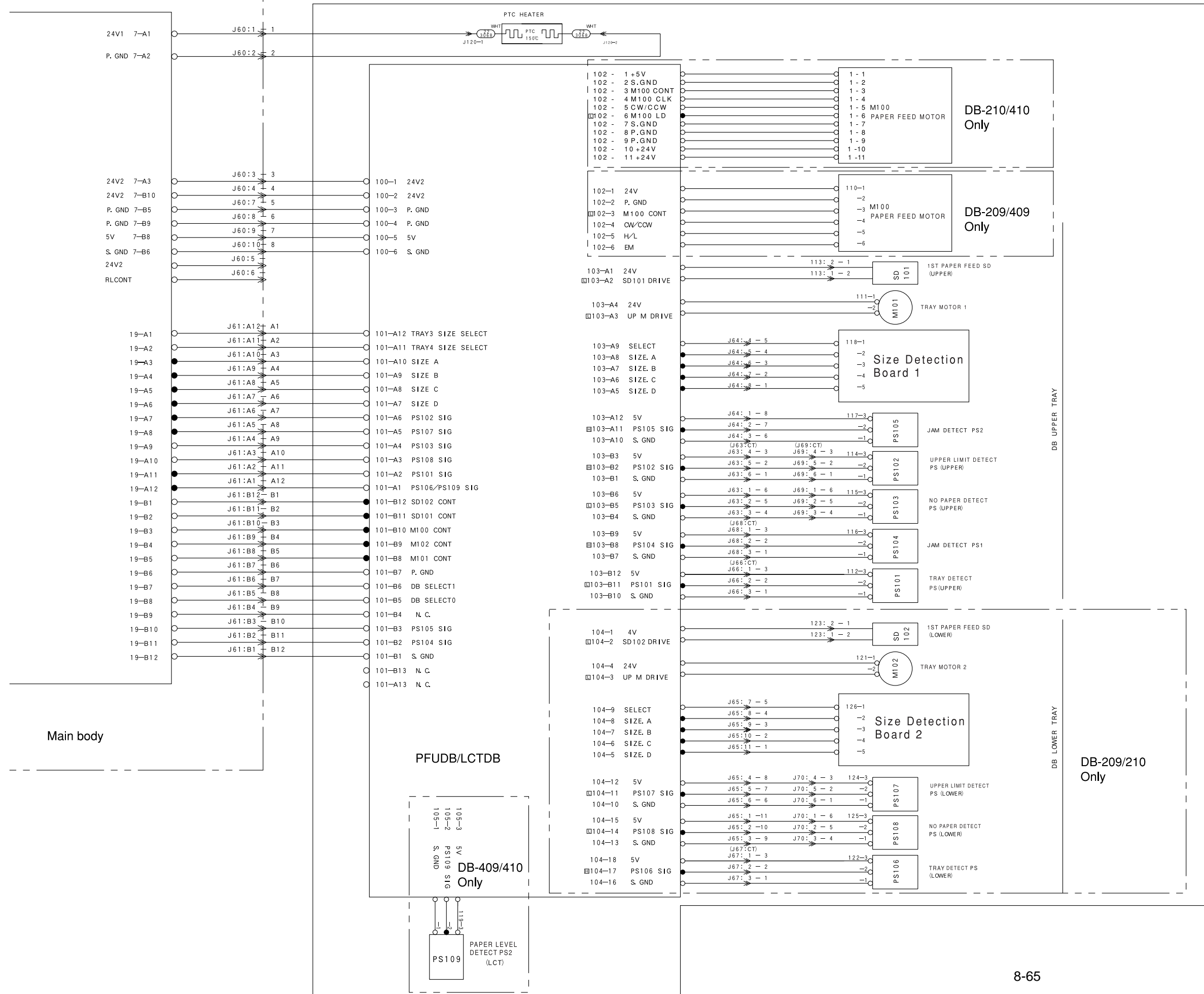
FS107 OVERALL WIRING DIAGRAM



[HOW to see the diagram]

- The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
- Wiring symbols in the figure are as follows.
 - is Connector
 - (RC) is ribbon cable
- Signal symbols in the figure are as follows.
 - (H) High active
 - (L) Low active
 - (A) Analog signal
 - (P) Pulse signal

DB-209/210/DB-409/410 OVERALL WIRING DIAGRAM



- [How to see the diagram]
- The signals shown reflect levels present under normal idling conditions with the main switch turned ON.
 - Wiring symbols in the figure are as follows.
 - [Symbol]
 - Crimp
 - Connector
 - Relay connector
 - Faston
 - Signal types are as follows:
 - High level
 - Low level
 - Analog signal
 - Pulse signal
 - (RC) is the flat cable.
 - Signal flow
 - The solid black circle (●) among the connector symbols (○) indicates the direction of signal flow.
 - Example)

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Konica

PARTS CATALOG

**Models
7022/7130**

MARCH 2002
CMPC-7022/7130

KONICA BUSINESS TECHNOLOGIES, INC.

How to use this catalog

This parts catalog includes illustrations and part numbers for all replacement parts and assemblies used in this model.

Model-specific parts are identified in the illustrations with reference numbers. Use the reference number to locate the corresponding part number on the facing page.

Common hardware items, such as screws, nuts, washers, and pins, are identified in the illustrations with reference letters. Use the reference letter to locate the corresponding part number on the hardware listing in the lower right hand corner of the facing page.

If you know a part number, but don't know where the part is used, use the numerical index to determine the page number and reference number for that part. Because some common parts are used in several places, there may be more than one entry. Refer to the illustrations to see where the part may be used.

If you know a part's description, but don't know where to look to find the part number, use the alphabetical index to determine likely page and reference numbers. Then look at the illustrations to determine that you have identified the correct part. Locate the part number using the listing on the opposite page.

Retail pricing that appears with the numerical index, while valid when this catalog was printed, is subject to change without notice. The prices are only suggested prices and are provided only for reference. Dealers may determine their own selling prices. For up-to-date pricing, refer to current Konica price lists or contact the Konica Parts Distribution Center.

How to order parts

Use standard Konica parts ordering procedures to obtain these parts. For ordering options, contact Konica's Parts Distribution Center.

When ordering parts, be sure to specify part numbers exactly as listed in this catalog.

NOTE: Electrical parts may include previously used components.

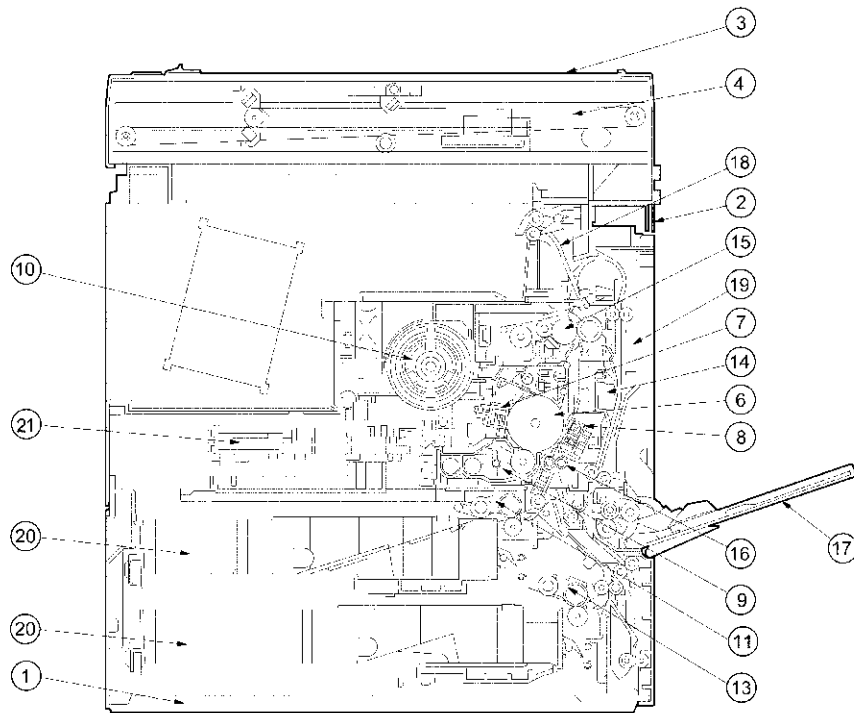
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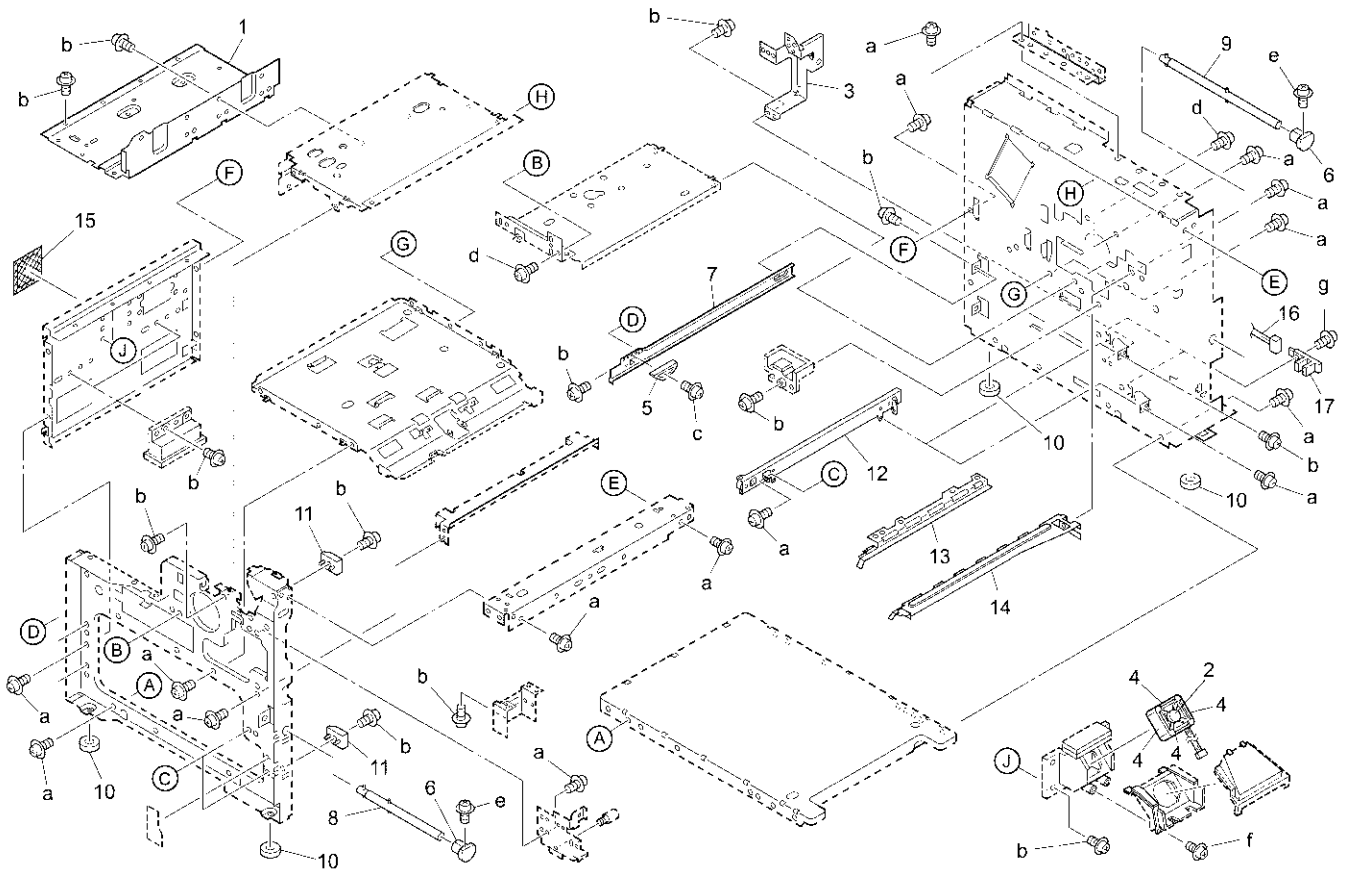
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1. Main Frame
2. External Parts
3. Operation Unit
4. Optics Unit
5. Driving Unit
6. Drum Cartridge
7. Charging Corona Unit
8. Transfer/Separator Corona Unit
9. Developing Unit
10. Toner Supply Unit
11. Paper Feed Unit/Upper
12. Suction Unit
13. Paper Feed Unit/Lower
14. Conveyance Unit
15. Fixing Unit
16. Registration Unit
17. Manual Feed Unit
18. Paper Exit Unit
19. ADU
20. Cassette
21. Writing Unit

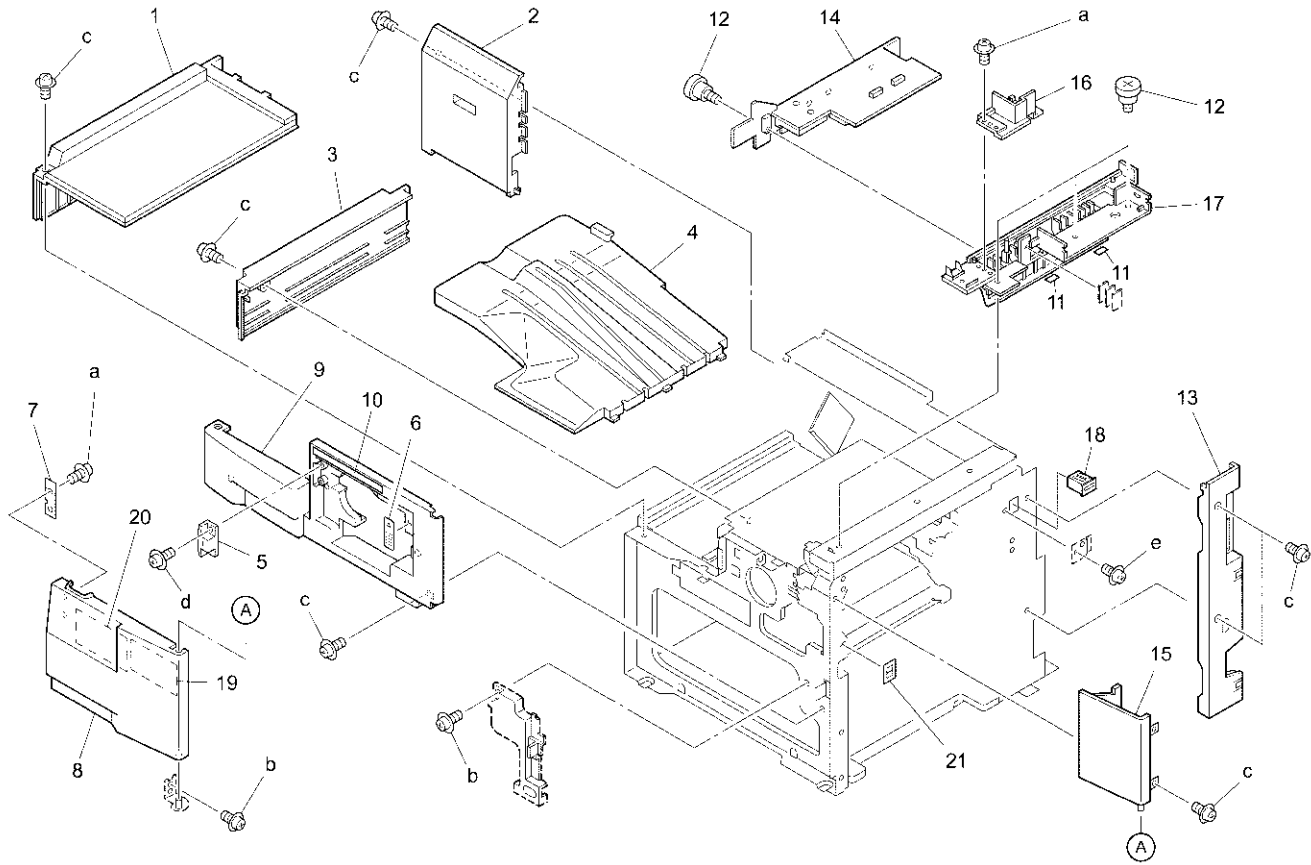
Main Frame



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA10141 | Writing cover |
| 2 | 26NA80510 | Main body fan motor |
| 3 | 26NA10441 | Shaft support plate |
| 4 | 26NA73731 | Dust proof seal/5 |
| 5 | 26NA47350 | Cassette stopper |
| 6 | 26NA10310 | Lift-up cover |
| 7 | 26NA10070 | Cassette rail/left |
| 8 | 26NA-1060 | Lift up shaft/front assembly |
| 9 | 26NA-1070 | Lift up shaft/rear assembly |
| 10 | 25HA10292 | Main setting rubber |
| 11 | 26NA10181 | Lock part |
| 12 | 26WA-4410 | Cassette rail/1 assembly |
| 13 | 26NA10350 | Rail/left |
| 14 | 26NA10360 | Rail/right |
| 15 | 26NA73680 | Dust proof filter |
| 16 | 26WA90330 | Wiring/3 |
| 17 | 56AA85510 | Photosensor |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z283061 |
| b | 00Z193061 |
| c | 00Z183061 |
| d | 00Z163061 |
| e | 00Z183082 |
| f | 00Z253121 |
| g | 00Z193101 |

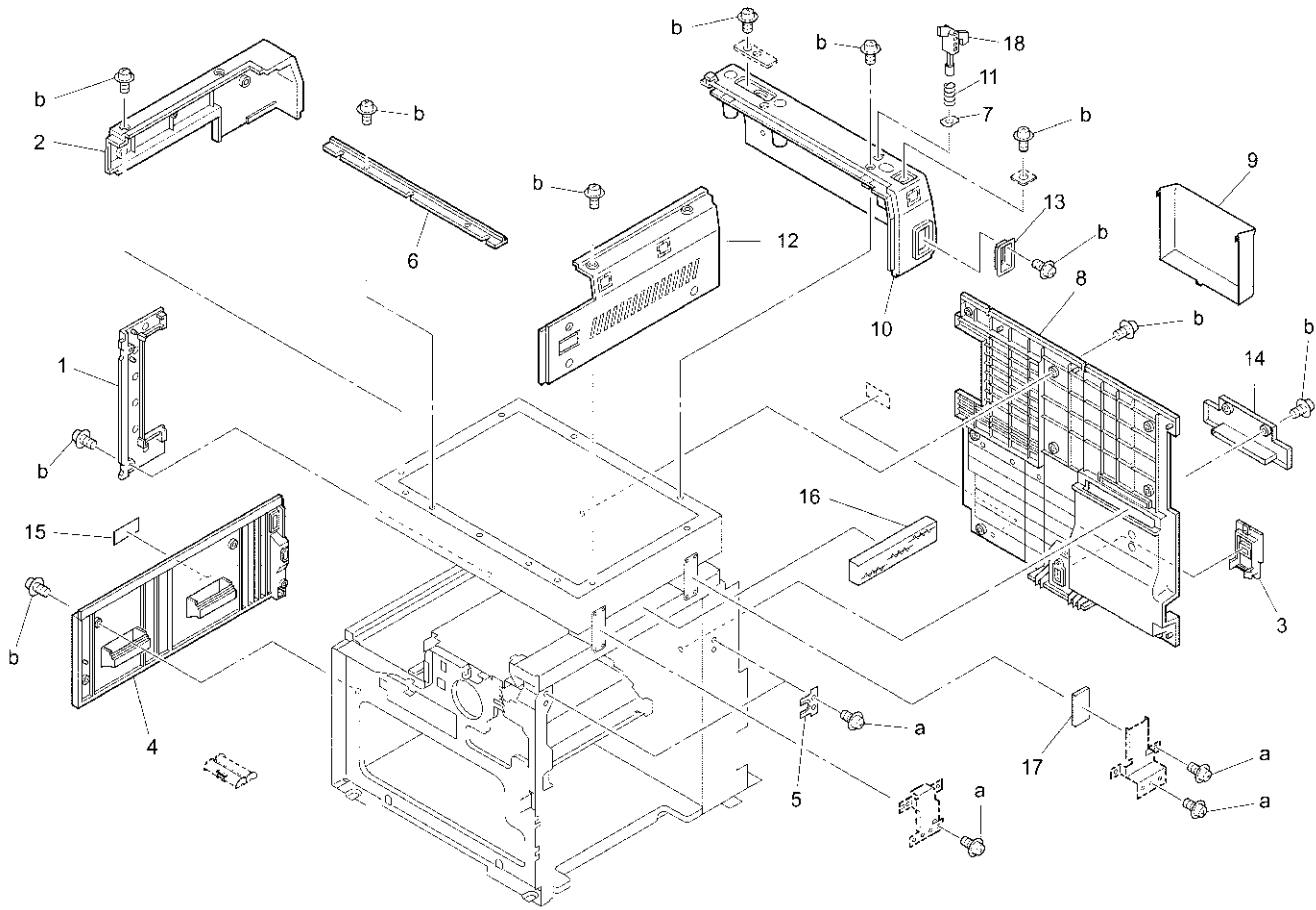
External Parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------|
| 1 | 26TA12020 | Main cover/upper |
| 2 | 26NA12040 | Side cover/rear |
| 3 | 26NA12120 | Main auxiliary cover |
| 4 | 26NA12111 | Paper exit tray |
| 5 | 083020140 | Stopper part |
| 6 | 26NE97181 | Laser caution label/3 |
| 7 | 26NA12401 | Magnet pressure plate |
| 8 | 26NE12080 | Front door/right |
| 9 | 26NA12011 | Main cover/front |
| 10 | 26NE97820 | Toner supply caution label |
| 11 | 26NA51010 | Conveyance guide sheet |
| 12 | 26NA12430 | External fixed screw |
| 13 | 26NA12030 | Rear cover/right |
| 14 | 26NA-1311 | Paper exit cover assembly |
| 15 | 26WE12130 | Front cover/upper (7022) |
| 15 | 26XE12130 | Front cover/upper (7130) |
| 16 | 26NA12460 | Cover/F |
| 17 | 26NA12062 | Paper exit guide cover |
| 18 | 26NE88310 | Total counter |
| 19 | 26NA97830 | Toner supply label/2 |
| 20 | 26NA97040 | Toner supply label |
| 21 | 26NE97140 | High voltage caution label |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193061 |
| c | 00Z193062 |
| d | 00Z243081 |
| e | 00Z283061 |

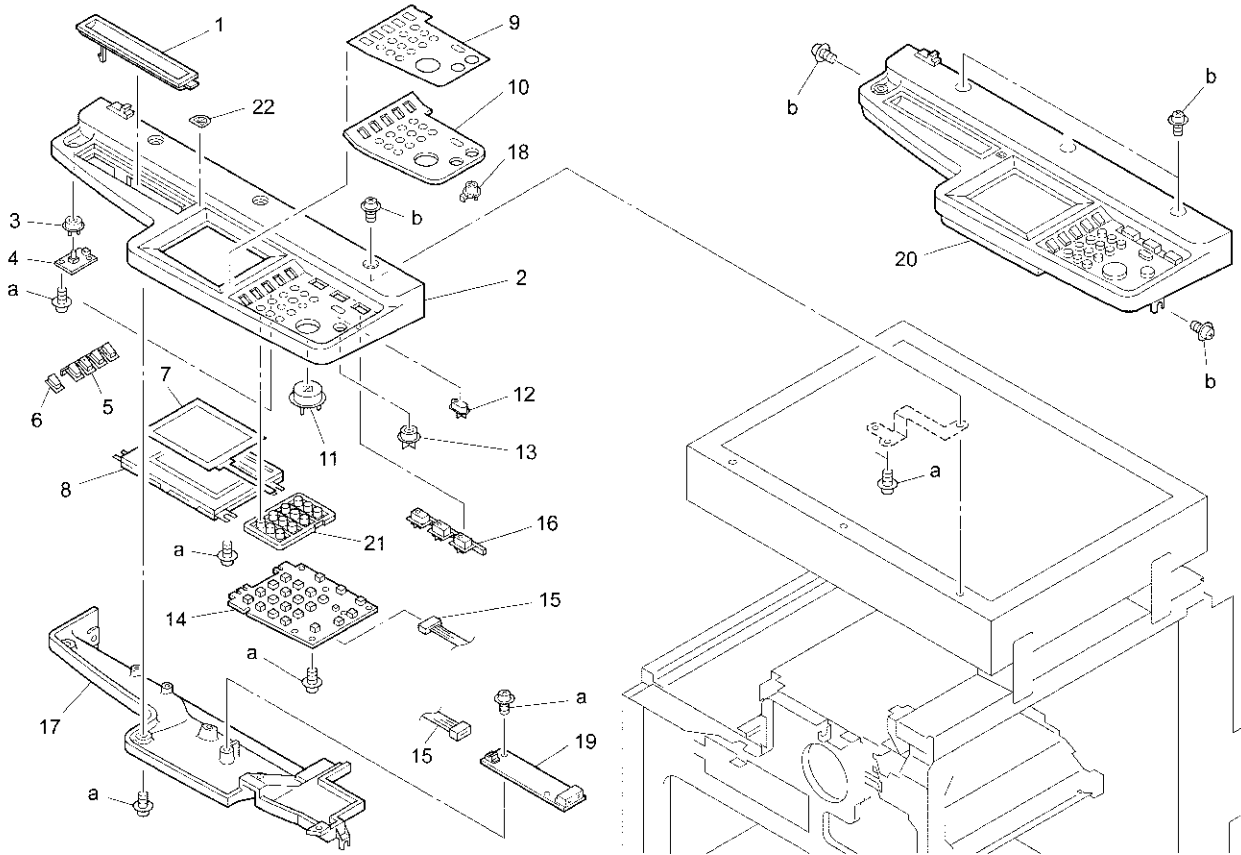
External Parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 26NA12161 | Rear cover/left |
| 2 | 26NA12240 | Reading cover/left |
| 3 | 26NA12190 | Cord cover/B |
| 4 | 26TA12050 | Side cover/left |
| 5 | 26NA12420 | Shaft guide cover |
| 6 | 26NA12210 | Reading cover/front |
| 7 | 26NA12550 | Spring regulating sheet |
| 8 | 26NA12071 | Rear cover |
| 9 | 26NA12540 | Accessories holding panel |
| 10 | 26NA12231 | Reading cover/rear |
| 11 | 26NA62130 | Detecting spring |
| 12 | 26NA-1260 | Reading/right external assembly |
| 13 | 26NA12450 | Cord cover/B |
| 14 | 26NA12180 | Cord cover/A |
| 15 | 26NA97080 | Laser indication label |
| 16 | 26WA10170 | Ozone filter |
| 17 | 26NA62291 | Wiring hold part/2 |
| 18 | 26NA61820 | ADF detecting actuator |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z193062 |

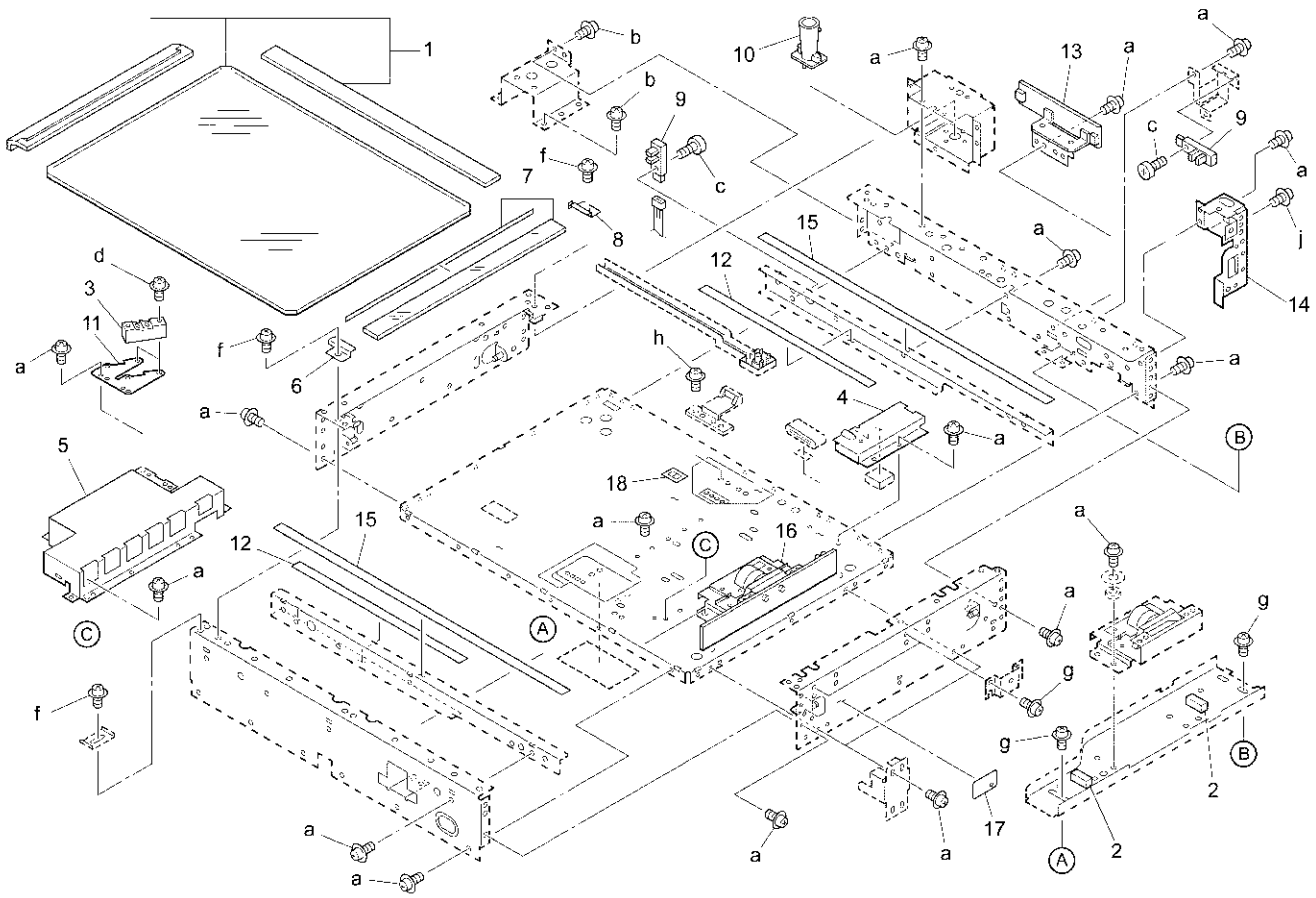
Operation Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------|
| 1 | 26NA12370 | Operation tray |
| 2 | 26NA70023 | Operation unit cover/upper |
| 3 | 26NA70181 | Operation unit button/H |
| 4 | 26NA-9060 | Power source control switch |
| 5 | 26NA70161 | Operation unit button/F |
| 6 | 26NA70172 | Operation unit button/G |
| 7 | 26NA87520 | Touch key board |
| 8 | 55FA-7020 | Indication board assembly |
| 9 | 26WE70041 | Operation unit sheet |
| 10 | 26WA70030 | Operation unit cover |
| 11 | 26NA70112 | Operation unit button/A |
| 12 | 26NA70131 | Operation unit button/C |
| 13 | 26NA70121 | Operation unit button/B |
| 14 | 26WA-9030 | Operation board/1 assembly |
| 15 | 26WA90160 | Operation wiring/2 |
| 16 | 26NA70151 | Operation unit button/E |
| 17 | 26NA12220 | Operation cover/lower |
| 18 | 26WA70190 | Operation unit button/I |
| 19 | 26WA83520 | Indication lighting |
| 20 | 26WE-7001 | Operation unit |
| 21 | 26NA70141 | Operation unit button/D |
| 22 | 26NA97130 | Machine label/3 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193062 |

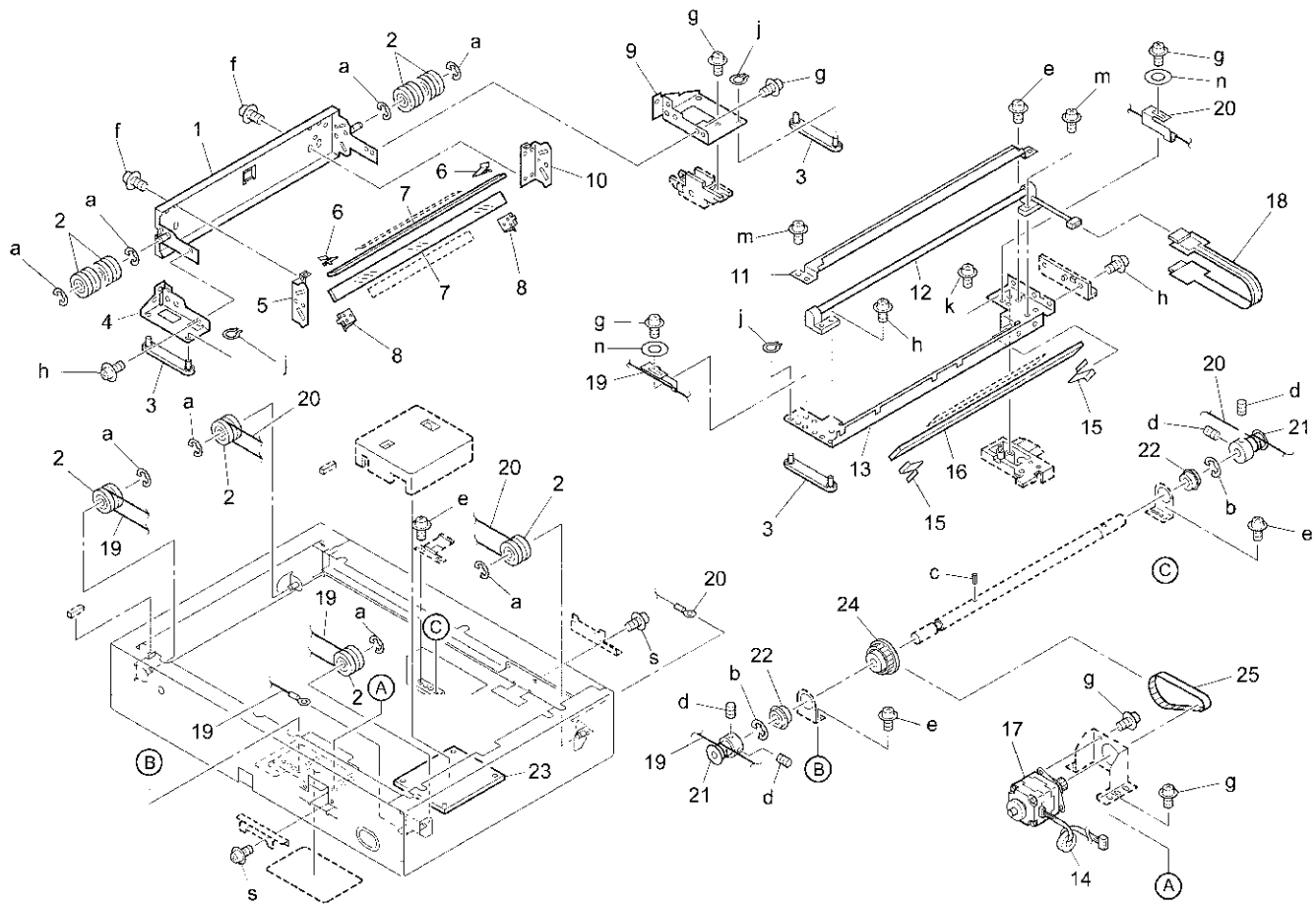
Optics Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA-6273 | Platen glass assembly |
| 2 | 26NA62451 | Ground spring/3 |
| 3 | 56AA85530 | APS sensor/2 |
| 4 | 26NA61810 | Wiring guide plate/1 |
| 5 | 26NA61731 | Lens cover |
| 6 | 26NA61300 | Glass holder plate/front |
| 7 | 26NA-6282 | Platen glass assembly/2 |
| 8 | 26NA61150 | Glass holder plate/rear |
| 9 | 56AA85510 | Photosensor |
| 10 | 26NA62050 | ADF guide block |
| 11 | 26NA61142 | Mounting plate |
| 12 | 26NA61840 | Optics slide sheet/2 |
| 13 | 26NA-6220 | Board mount plate/2 assembly |
| 14 | 26NA61120 | ADF mount plate/right |
| 15 | 26NA61830 | Optics slide sheet/1 |
| 16 | 26NA-6261 | CCD unit |
| 17 | 26NA62201 | Reading seal/2 |
| 18 | 26NE97140 | High voltage caution label |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z283061 |
| c | 00Z183101 |
| d | 00Z183201 |
| f | 00Z193043 |
| g | 00Z163081 |
| h | 00Z193041 |
| j | 00Z253061 |

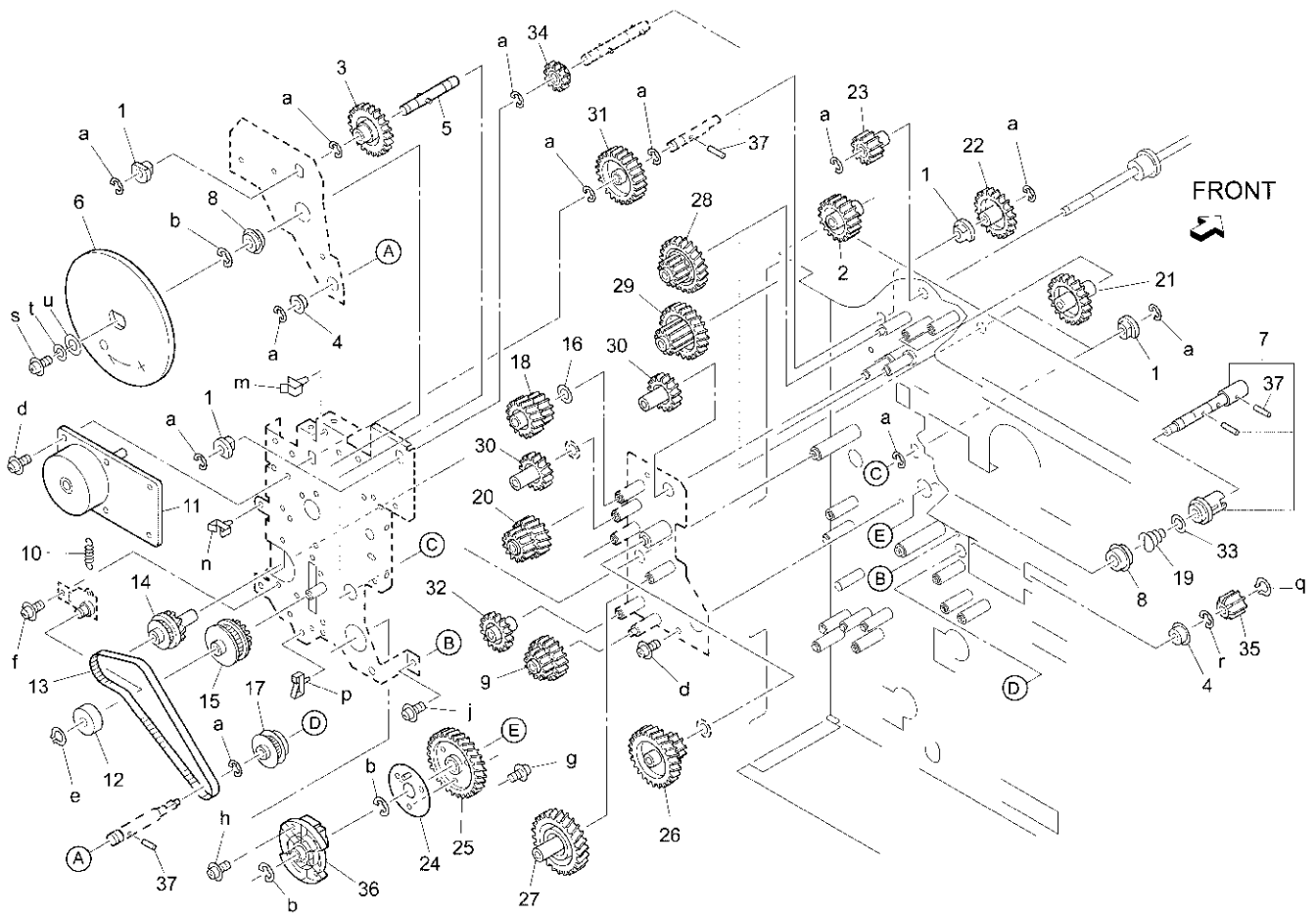
Optics Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26NA-6192 | Mirror mount plate/2 assembly |
| 2 | 26NA61940 | Wire pulley |
| 3 | 26NA61380 | Slide part |
| 4 | 26NA61560 | Optics slide plate/front |
| 5 | 26NA61531 | Mirror support plate/front |
| 6 | 26NA61610 | Mirror pressure spring/4 |
| 7 | 26NA61540 | Optics mirror/2 |
| 8 | 26NA61600 | Mirror pressure spring/3 |
| 9 | 26NA61551 | Optics slide plate/rear |
| 10 | 26NA62391 | Mirror support plate/rear |
| 11 | 26NA61370 | Reflect mirror |
| 12 | 26NA83010 | Exposure lamp |
| 13 | 26NA61310 | Mirror mount plate/1 |
| 14 | 580388410 | Ferite core |
| 15 | 26NA61410 | Mirror pressure spring |
| 16 | 26NA61340 | Optics mirror/1 |
| 17 | 26WA80020 | Scanner driving motor |
| 18 | 26NA-9510 | Powering board assembly |
| 19 | 26NA61221 | Optics wire/front |
| 20 | 26NA61211 | Optics wire/rear |
| 21 | 26NA61200 | Wire driving pulley |
| 22 | 540076050 | Driving shaft holder |
| 23 | 26WA-9050 | Scanner driving board assembly |
| 24 | 26TA61920 | Driving pulley (Z=70) |
| 25 | 26WA61930 | Motor belt (L=160.5) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z713186 |
| d | 00Z474063 |
| e | 00Z193041 |
| f | 00Z183101 |
| g | 00Z163061 |
| h | 00Z163081 |
| j | 00Z660306 |
| k | 00Z253061 |
| m | 00Z183031 |
| n | 00Z610421 |
| s | 00Z193061 |

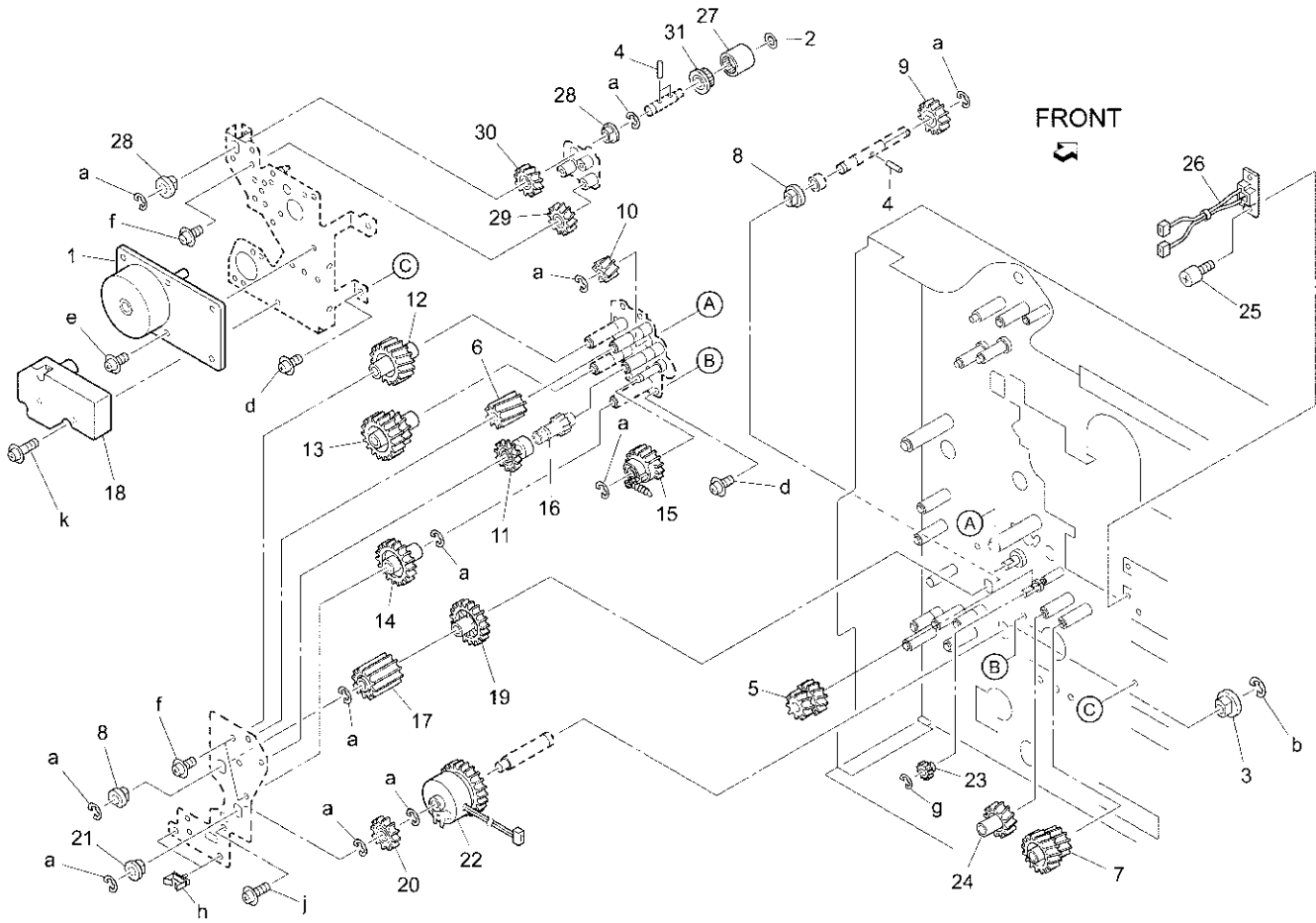
Driving Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 466076020 | Paper feeding shaft holder |
| 2 | 26NA16120 | Idler gear/B (Z=43) |
| 3 | 26NA15690 | Collecting gear (Z=54) |
| 4 | 26NA17280 | Developing drive shaft holder |
| 5 | 26NA-1540 | Collecting shaft assembly |
| 6 | 26NA15031 | Drum rotary plate |
| 7 | 26NA-1531 | Drum input shaft assembly |
| 8 | 26NA53590 | Fixing shaft holder/lower |
| 9 | 26NA16150 | Idler gear/D (Z=27/45) |
| 10 | 26NA17270 | Tension spring |
| 11 | 26TA80010 | Drum driving motor |
| 12 | 26NA17610 | Tension roller |
| 13 | 26NA17141 | Belt (L=370) |
| 14 | 26NA15550 | Gear/F (Z=32/34) |
| 15 | 26NA15680 | Gear/Q (Z=23/23) |
| 16 | 190041410 | Polyslider 6 |
| 17 | 26NA15750 | Agitating gear/A (Z=35) |
| 18 | 26NA15520 | Gear/C (Z=32/50) |
| 19 | 26NA15200 | Coupling spring |
| 20 | 26NA15540 | Gear/E (Z=32/35) |
| 21 | 26NA17250 | Gear/X (Z=45) |
| 22 | 26NA15730 | Gear/J (Z=35) |
| 23 | 26NA15740 | Paper exit gear (Z=26) |
| 24 | 26NA-1560 | Drive plate assembly |
| 25 | 26NA15600 | Drum driving gear (Z=108) |
| 26 | 26NA15500 | Gear/A (Z=26/97) |
| 27 | 26NA15510 | Gear/B (Z=97) |
| 28 | 26NA15760 | Gear/R (Z=21/50) |
| 29 | 26NA15560 | Gear/G (Z=24/49) |
| 30 | 26NA15630 | Gear/M (Z=34) |
| 31 | 26NA15580 | Gear/H (Z=55) |
| 32 | 26NA16140 | Idler gear/C (Z=35) |
| 33 | 26NA30870 | Spring spacer |
| 34 | 26TA15080 | Gear/D (Z=26) |
| 35 | 26NA17580 | Agitating coupling/B |
| 36 | 26NA-1570 | Dumper plate assembly |
| 37 | 113620600 | Pin (A) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| d | 00Z193043 |
| e | 00Z680806 |
| f | 00Z163061 |
| g | 00Z193041 |
| h | 00Z253081 |
| j | 00Z193061 |
| m | 00Z926903 |
| n | 00Z921302 |
| p | 00Z921941 |
| q | 00Z600306 |
| r | 00Z670306 |
| s | 00Z184081 |
| t | 00Z620401 |
| u | 00Z610401 |

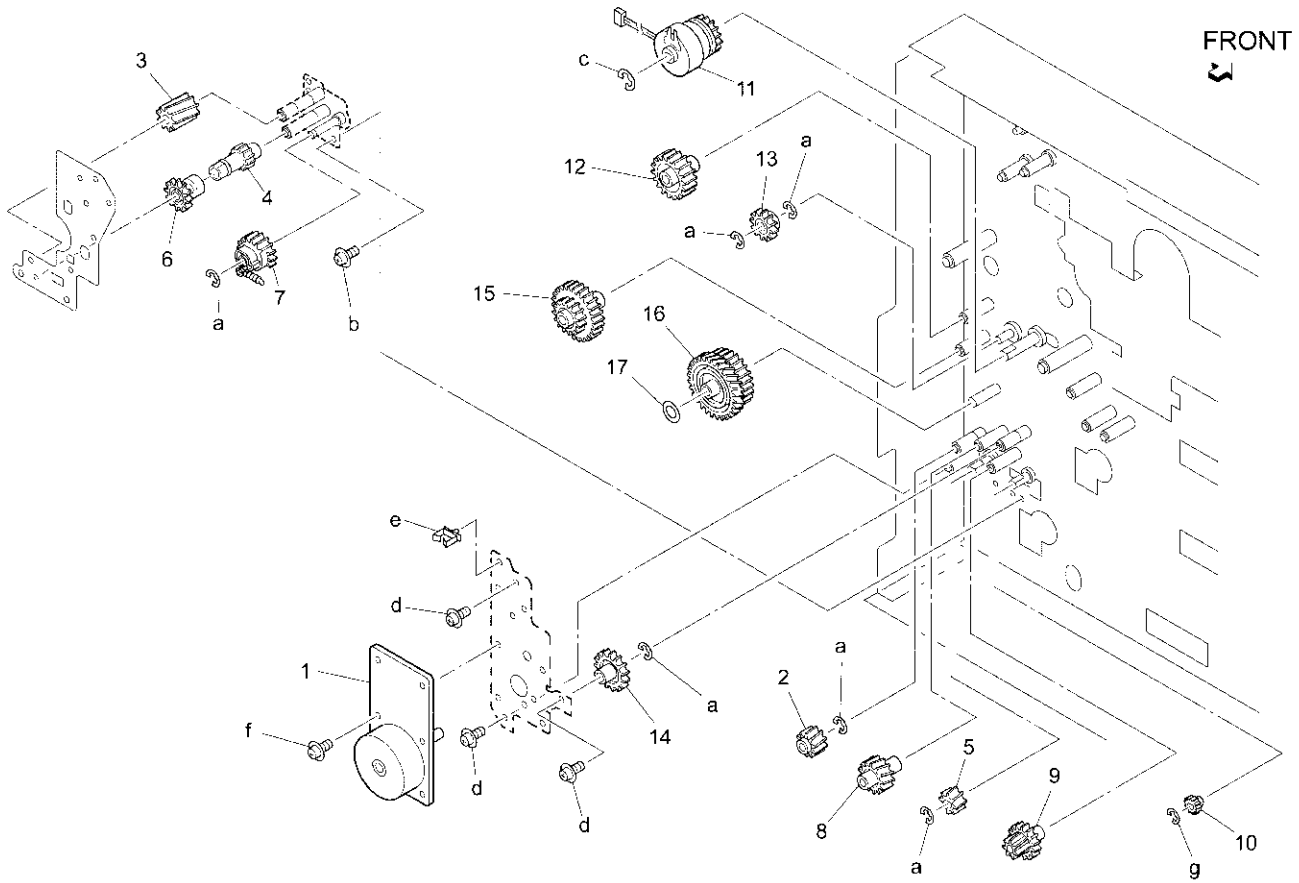
Driving Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26WA80010 | DC brushless motor/20 |
| 2 | 26NA17590 | Spacer/B |
| 3 | 26NA40820 | Paper feed slide shaft holder |
| 4 | 113620600 | Pin (A) |
| 5 | 26NA17060 | Developing drive gear/3 (Z=25/28) |
| 6 | 26NA16270 | Idler gear/L (Z=16) |
| 7 | 26NA17040 | Developing drive gear/1 (Z=23/52) |
| 8 | 26NA76010 | Paper feed shaft holder |
| 9 | 26NA17600 | Manual feed driving gear/2 |
| 10 | 26NA16260 | Driving gear (Z=15) |
| 11 | 26NA17480 | Paper feed coupling gear/A (Z=25) |
| 12 | 26NA16300 | Idler gear/O (Z=35) |
| 13 | 26NA16210 | Idler gear/G (Z=21/35) |
| 14 | 26NA16200 | Idler gear/F (Z=41) |
| 15 | 26NA-1680 | Paper feed gear/2 assembly |
| 16 | 26NA17490 | Paper feed coupling gear/B (Z=20) |
| 17 | 26NA16160 | Manual feed driving gear/1 (Z=25) |
| 18 | 26NA80041 | Cassette driving motor |
| 19 | 26NA16170 | Idler gear/E (Z=45) |
| 20 | 26NA16190 | Gear (Z=25) |
| 21 | 684276031 | Paper exit shaft holder |
| 22 | 26NA82020 | Paper feed clutch |
| 23 | 26NA16310 | Paper feed gear (Z=20) |
| 24 | 26NA17050 | Developing drive gear/2 (Z=27) |
| 25 | 066079020 | Drawer |
| 26 | 26TA90340 | Developing relay wiring |
| 27 | 26NA17570 | Developing input coupling/B |
| 28 | 322076010 | Paper lift-up lever shaft hold |
| 29 | 26NA17550 | Developing drive gear/7 (Z=39) |
| 30 | 26NA17540 | Developing drive gear/6 (Z=32) |
| 31 | 26NA17560 | Developing input coupling/A |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| d | 00Z283061 |
| e | 00Z193043 |
| f | 00Z193061 |
| g | 00Z670306 |
| h | 00Z921322 |
| j | 00Z193181 |
| k | 00Z193121 |

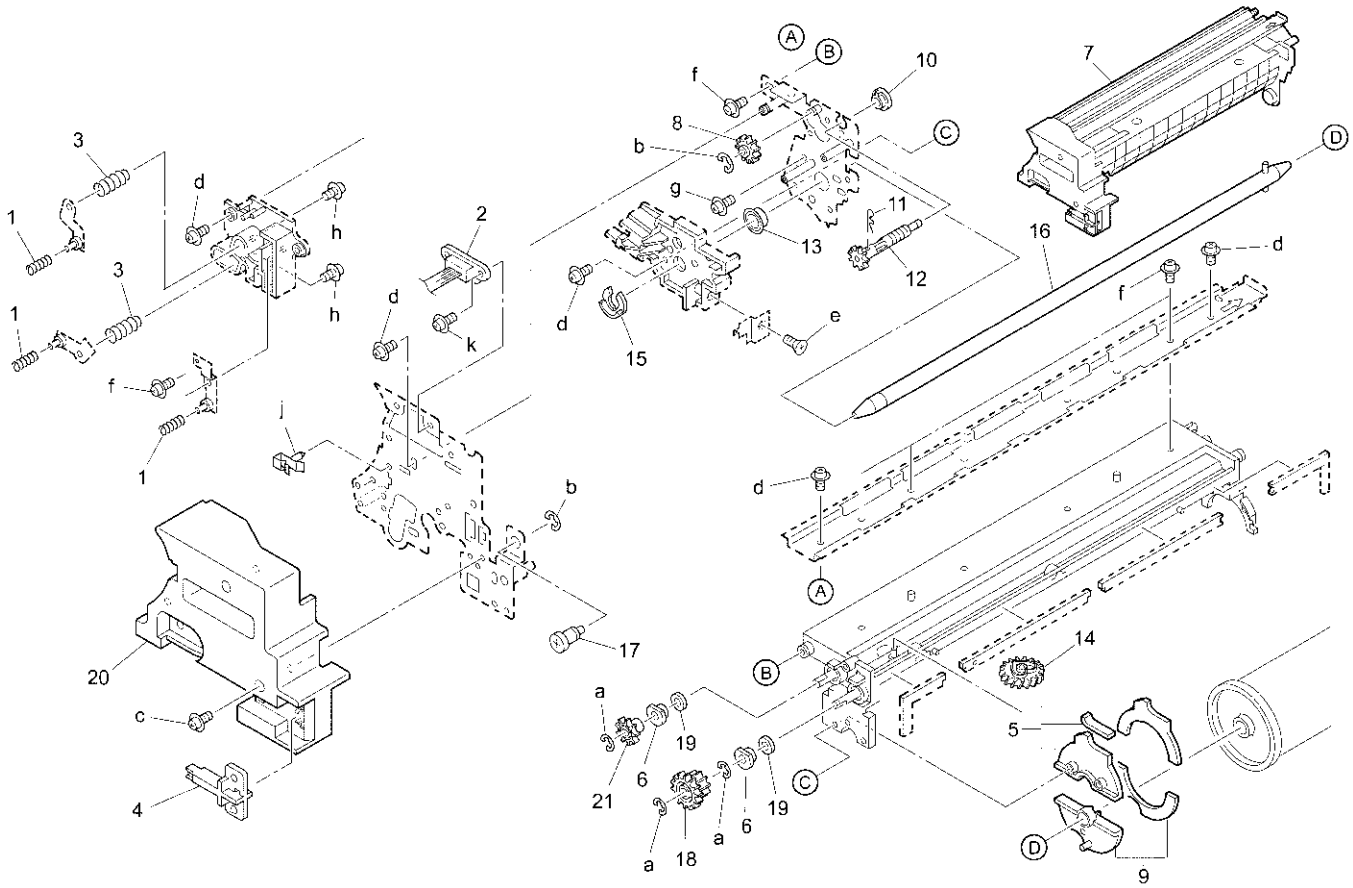
Driving Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26WA80010 | DC brushless motor/20 |
| 2 | 26NA16250 | Idler gear/K (Z=20) |
| 3 | 26NA16270 | Idler gear/L (Z=16) |
| 4 | 26NA17490 | Paper feed coupling gear/B (Z=20) |
| 5 | 26NA16260 | Driving gear (Z=15) |
| 6 | 26NA17480 | Paper feed coupling gear/A (Z=25) |
| 7 | 26NA-1690 | Paper feed gear/3 assembly |
| 8 | 26NA16240 | Idler gear/J (Z=25) |
| 9 | 26NA16230 | Idler gear/I (Z=15/25) |
| 10 | 26NA16310 | Paper feed gear (Z=20) |
| 11 | 26NA82010 | Registration unit clutch |
| 12 | 26NA16120 | Idler gear/B (Z=43) |
| 13 | 26NA16130 | Clutch gear/1 (Z=27) |
| 14 | 26NA16220 | Idler gear/H (Z=33) |
| 15 | 26NA16110 | Idler gear/A (Z=27/54) |
| 16 | 26NA17260 | Paper feed driving gear (Z=52/97) |
| 17 | 190041410 | Polyslider |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z283061 |
| c | 00Z670506 |
| d | 00Z193061 |
| e | 00Z921322 |
| f | 00Z193043 |
| g | 00Z670306 |

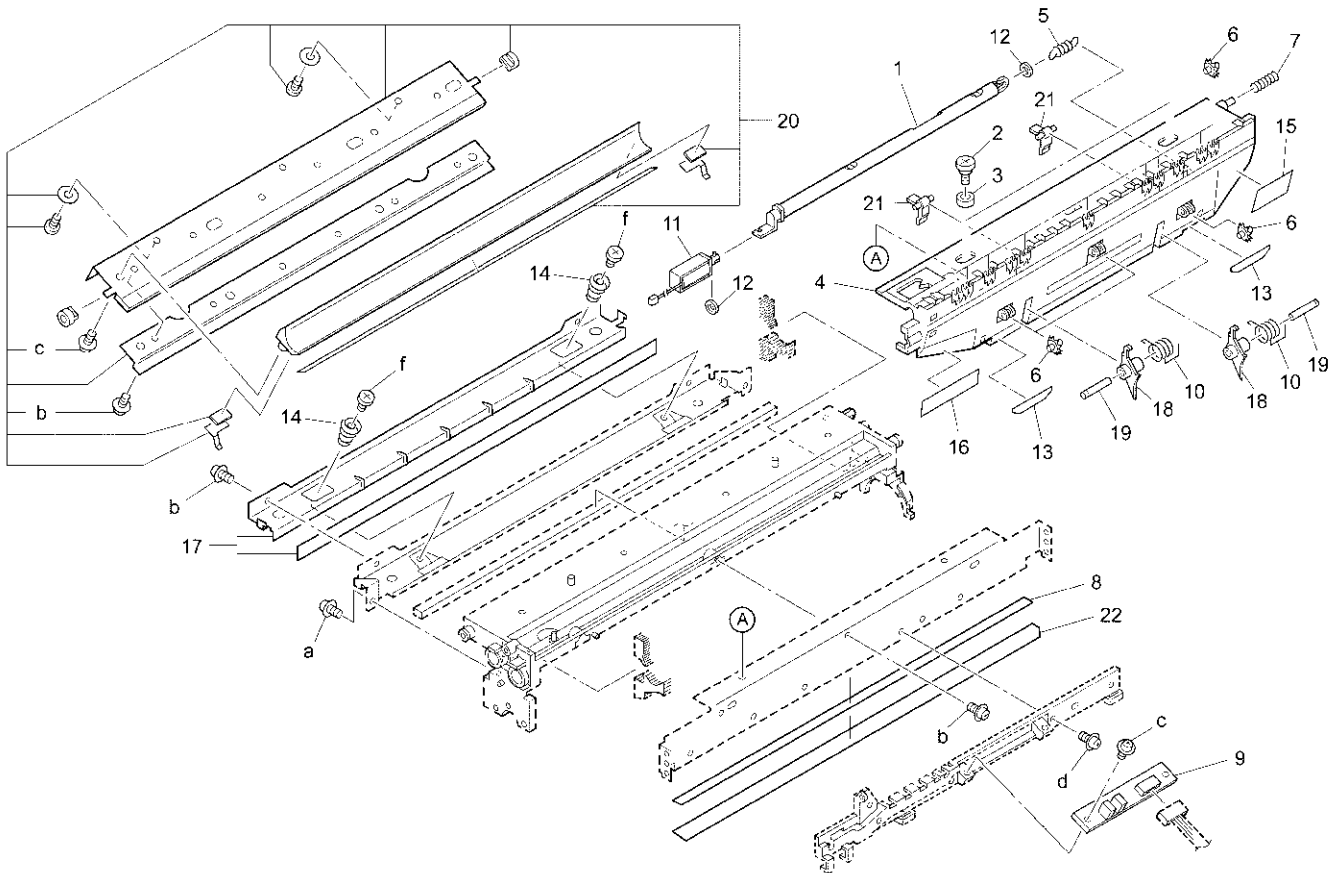
Drum Carriage



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 392045260 | Electrode connecting spring (B) |
| 2 | 26TA90070 | Drum wiring |
| 3 | 40AA73191 | Charging input spring |
| 4 | 26NA21340 | Drum rotary part |
| 5 | 26NA-2110 | Blade seal block/F assembly |
| 6 | 26NA20140 | Screw shaft holder |
| 7 | 26WA-9900 | Drum unit assembly |
| 8 | 26NA20420 | Idler gear (Z=25) |
| 9 | 26NA-2290 | Blade seal block/1 assembly |
| 10 | 26NA20380 | Rocking shaft holder |
| 11 | 26NA20920 | Shaft fixed part |
| 12 | 26NA20570 | Separation rocking gear (Z=18) |
| 13 | 26NA21360 | Drum support shaft holder |
| 14 | 26NA20580 | Separation rocking cam |
| 15 | 26NA20940 | Drum support part |
| 16 | 26NA-2140 | Drum shaft assembly |
| 17 | 26NA21440 | Cartridge screw |
| 18 | 26NA20170 | Agitating gear (Z=19/30) |
| 19 | 26NA20710 | Felt/A |
| 20 | 26TA20350 | Cartridge cover/front |
| 21 | 26NA20160 | Screw gear (Z=24) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193043 |
| d | 00Z193061 |
| e | 00Z263081 |
| f | 00Z253081 |
| g | 00Z253121 |
| h | 00Z183061 |
| j | 00Z921913 |
| k | 00Z193081 |

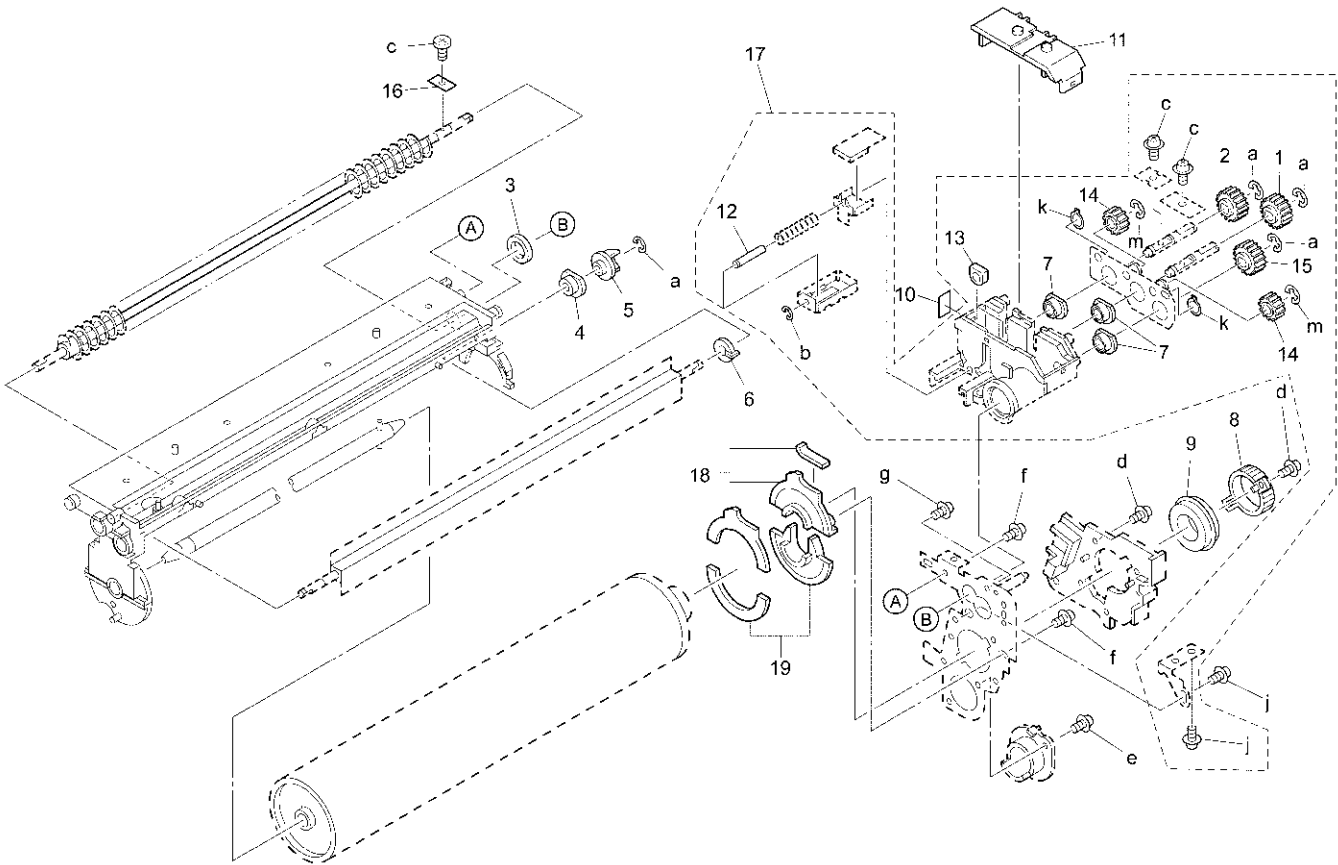
Drum Cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26WA20270 | Separate release lever |
| 2 | 26NA20310 | Separate rocking screw |
| 3 | 26NA20300 | Separate rocking collar |
| 4 | 26WA20240 | Separate guide plate |
| 5 | 40AA20230 | Separate release spring |
| 6 | 26TA20320 | Separate auxiliary roller |
| 7 | 26NA20290 | Separate rocking spring |
| 8 | 26NA21330 | Mounting sheet/B |
| 9 | 26NA-9180 | Toner detecting board assembly |
| 10 | 26WA21660 | Separation pressing spring |
| 11 | 26NA-2260 | Separate solenoid assembly |
| 12 | 26NA21380 | Solenoid seal |
| 13 | 26NA21400 | Paper guide sheet/A |
| 14 | 26TA20190 | Blade pressure spring |
| 15 | 26NA21420 | Paper guide sheet/C |
| 16 | 26NA21430 | Paper guide sheet/D |
| 17 | 26TA-2240 | Spewing preventive plate/A assembly |
| 18 | 56AA20700 | Drum separating claw |
| 19 | 40AA20170 | Separation fulcrum shaft |
| 20 | 26TA-2090 | Cleaning blade assembly |
| 21 | 26WA21650 | Separation release block |
| 22 | 26NA20200 | Toner guide sheet |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193043 |
| b | 00Z193061 |
| c | 00Z253081 |
| d | 00Z193041 |
| f | 00Z183061 |

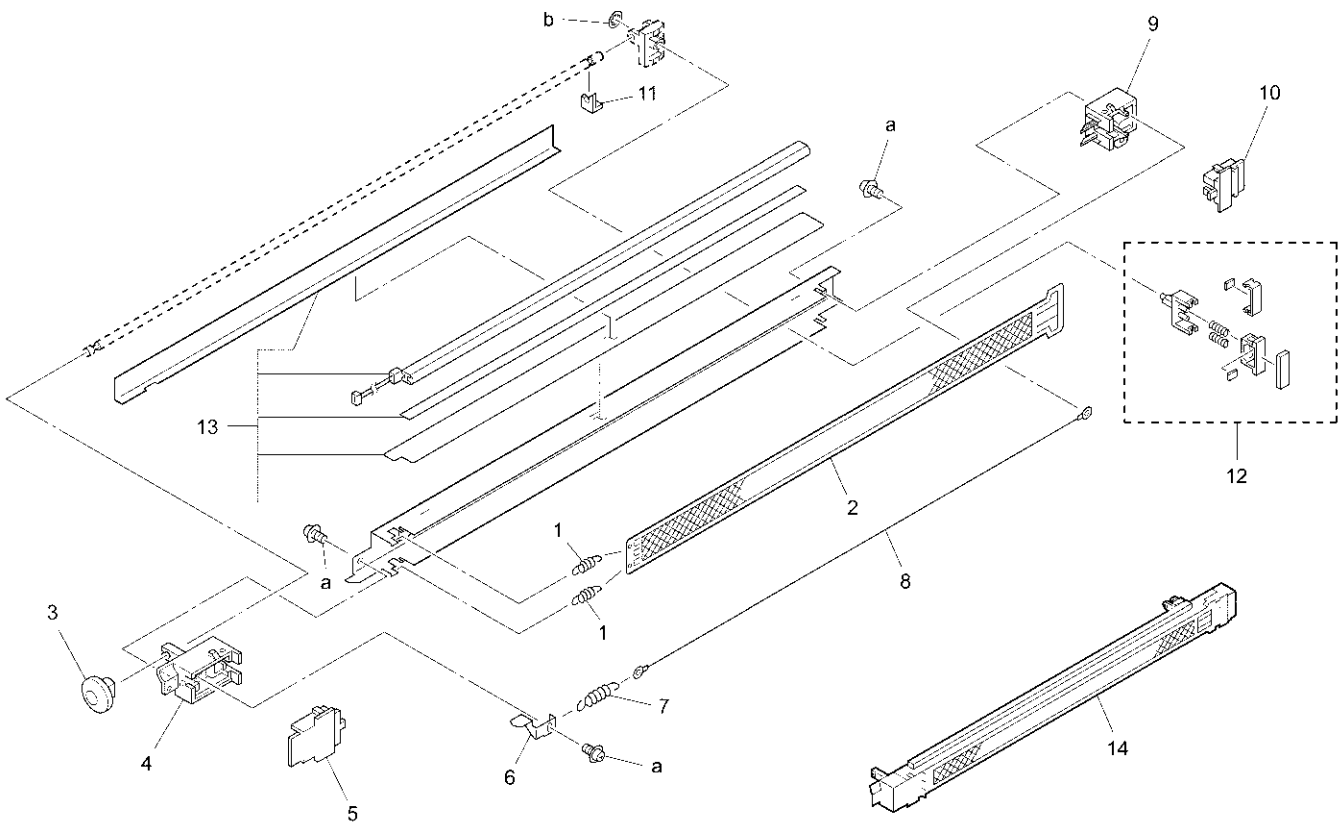
Drum Cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26TA21470 | Toner conveyance gear/2 (Z=18) |
| 2 | 26TA21480 | Toner conveyance gear/3 (Z=16) |
| 3 | 26NA20220 | Cleaner collect seal |
| 4 | 26NA20140 | Screw shaft holder |
| 5 | 26NA20560 | Toner collect coupling |
| 6 | 26NA21160 | Shaft holder spacer |
| 7 | 26NA21280 | Screw shaft holder/B |
| 8 | 26NA20250 | Shaft holder fulcrum part |
| 9 | 26NA20480 | Drum shaft holder/F |
| 10 | 26TA21611 | Spewing PV sheet/B |
| 11 | 26TA-2271 | Collect cover/C assembly |
| 12 | 26NA20870 | Cleaner auxiliary part |
| 13 | 26TA21540 | Recycling shaft holder |
| 14 | 26TA21490 | Toner conveyance gear/4 (Z=13) |
| 15 | 26TA21460 | Toner conveyance gear/1 (Z=19) |
| 16 | 26TA21510 | Agitator plate/A |
| 17 | 26TA-2050 | Screw guide/rear assembly |
| 18 | 26NA-2120 | Blade seal block/R assembly |
| 19 | 26NA-2300 | Blade seal block/1 assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670206 |
| c | 00Z112021 |
| d | 00Z193061 |
| e | 00Z163061 |
| f | 00Z253101 |
| g | 00Z253121 |
| j | 00Z253081 |
| k | 00Z600306 |
| m | 00Z670256 |

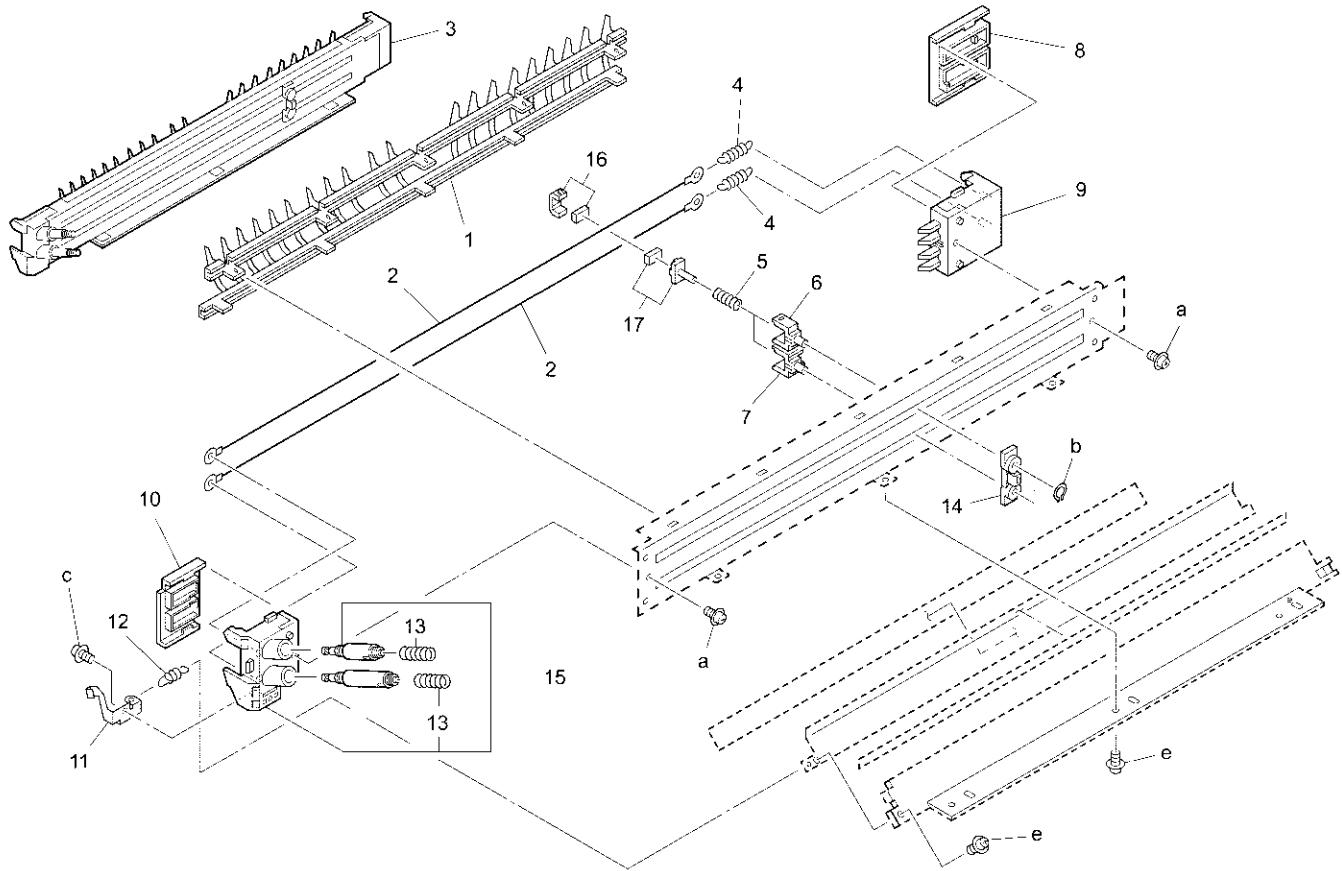
Charging Corona Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------|
| 1 | 26NA25180 | Charging spring |
| 2 | 26NA25160 | Charging control plate |
| 3 | 540025121 | Charging cleaning knob |
| 4 | 26NA25020 | Charging block/front |
| 5 | 26NA25040 | Spark arrester preventive plate/front |
| 6 | 26NA25070 | Charging electrode plate |
| 7 | 26NA25170 | Wire tension spring |
| 8 | 26NA25060 | Charging wire |
| 9 | 26NA25011 | Charging block/rear |
| 10 | 26NA25050 | Spark arrester preventive plate/rear |
| 11 | 25HA25100 | Shaft stopper part |
| 12 | 26NA-2520 | Charging cleaning assembly |
| 13 | 26NA-2510 | Charging discharge plate assembly |
| 14 | 26WA-2500 | Charging corona unit |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253061 |
| b | 00Z660306 |

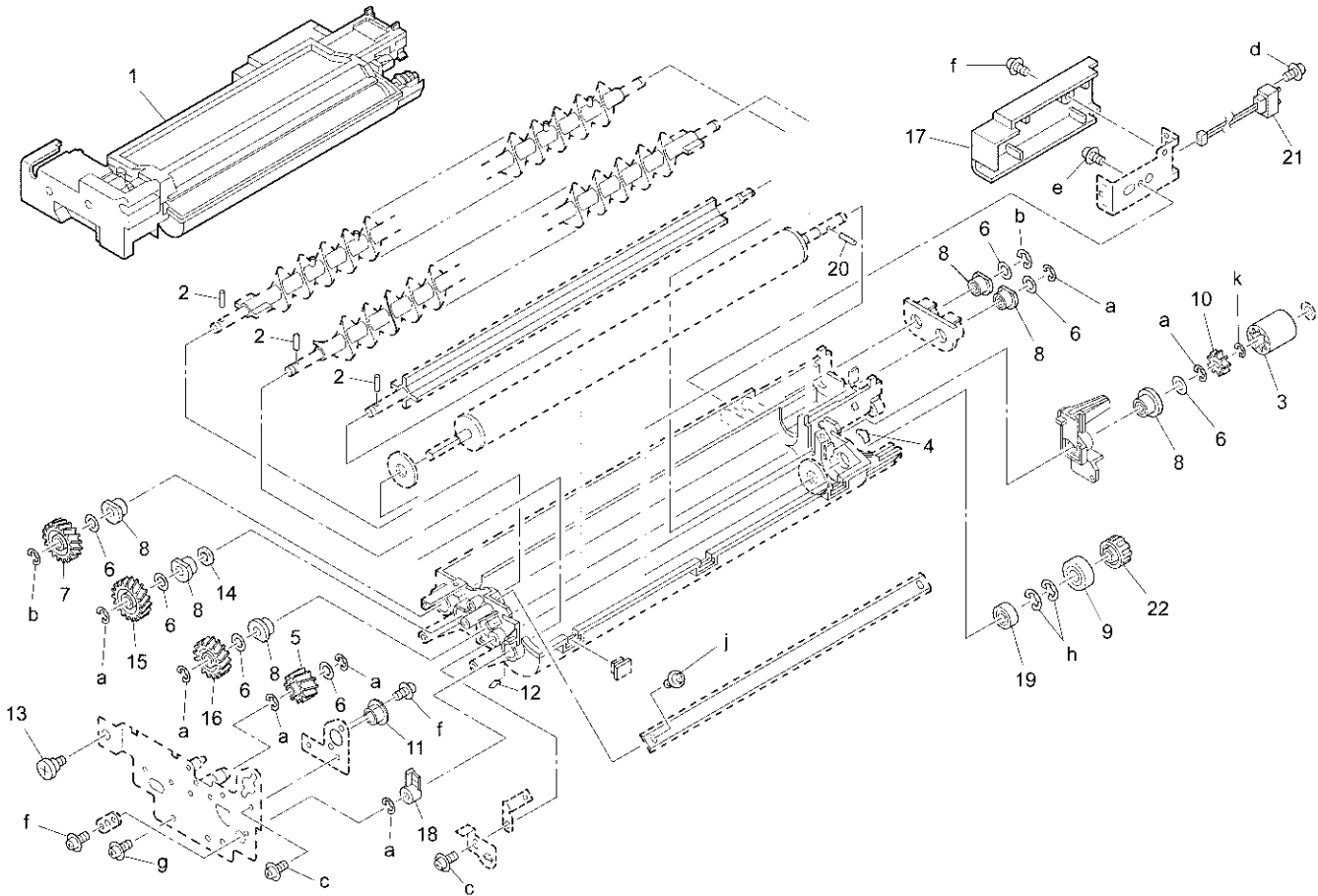
Transfer/Separator Corona Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---|
| 1 | 26NA26190 | Separate bridge |
| 2 | 26NA26080 | Discharge wire |
| 3 | 26NA-2601 | Transfer separator corona unit |
| 4 | 26NA26230 | Wire tension spring |
| 5 | 26NA25130 | Cleaner pressure spring |
| 6 | 26NA26271 | Transfer cleaning part/E |
| 7 | 26NA26151 | Transfer cleaning part/B |
| 8 | 26NA26070 | Spark arrester preventive plate/rear |
| 9 | 26NA26041 | Transfer separator block/rear |
| 10 | 26NA26060 | Spark arrester preventive plate/front |
| 11 | 26NA26250 | Electrode plate |
| 12 | 26NA26260 | Electrode spring |
| 13 | 26NA73251 | Electrode connecting spring/A |
| 14 | 26NA26141 | Transfer cleaning part/A |
| 15 | 26NA-2620 | Transfer separator block/front assembly |
| 16 | 26NA-2640 | Cleaner cover assembly |
| 17 | 26NA-2630 | Cleaner shaft assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z600406 |
| c | 00Z24B061 |
| e | 00Z112031 |

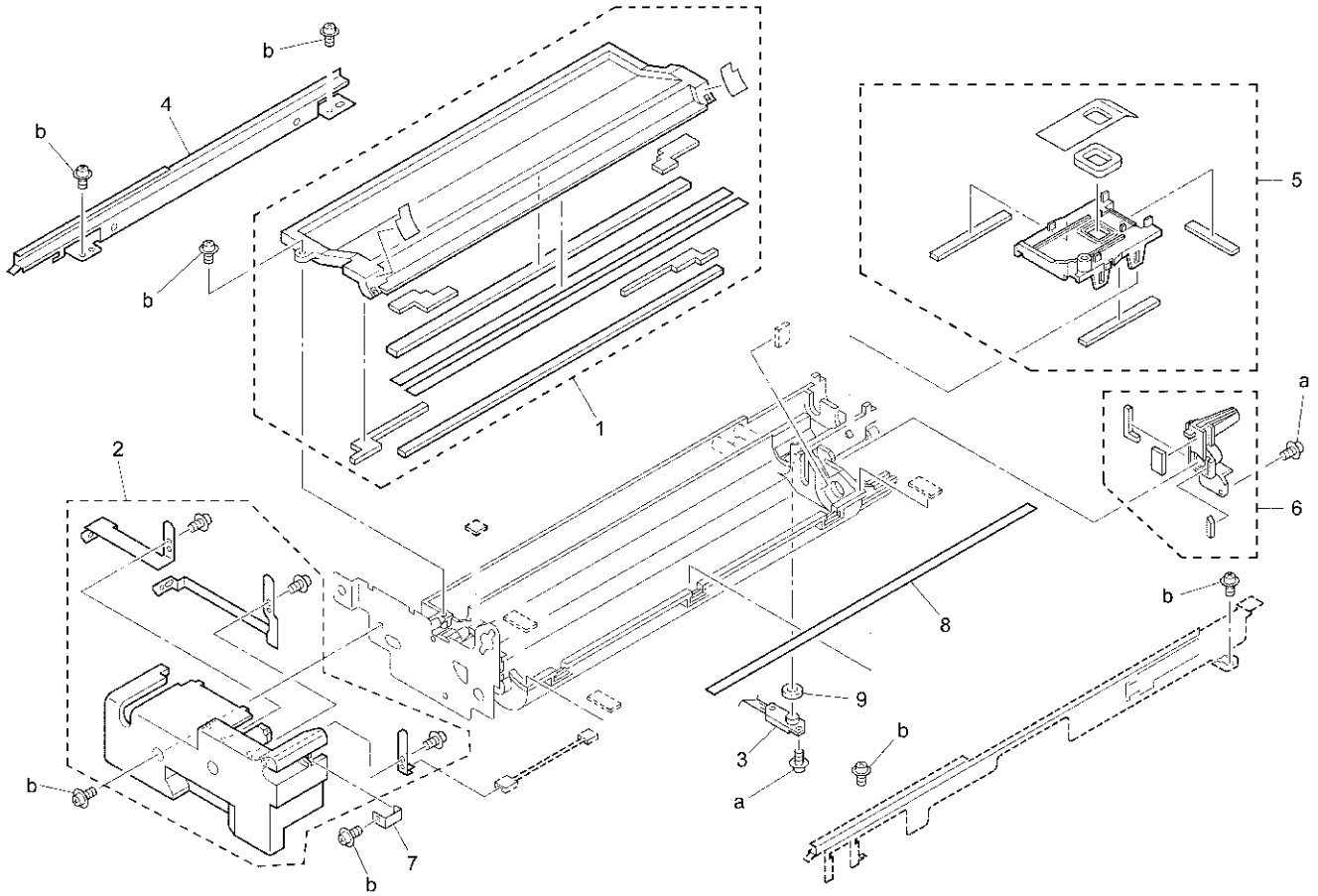
Developing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26TA-3001 | Developing unit |
| 2 | 466078010 | Pin A |
| 3 | 26NA30950 | Agitate coupling/A |
| 4 | 26NA30990 | Developing seal/U |
| 5 | 26NA30170 | Idler gear (Z=19) |
| 6 | 26NA30850 | Shaft holder spacer |
| 7 | 26NA30810 | Developing gear/C (Z=27) |
| 8 | 26NA30770 | Developing shaft holder |
| 9 | 26NA30660 | Developing guide shaft holder |
| 10 | 26NA30730 | Agitate coupling |
| 11 | 26NA21360 | Drum support shaft holder |
| 12 | 26NA30980 | Developing seal/T |
| 13 | 26NA31010 | Positioning screw |
| 14 | 26NA30940 | Developing seal/S |
| 15 | 26NA30150 | Agitate gear/B (Z=27) |
| 16 | 26NA30140 | Agitate gear/A (Z=27) |
| 17 | 26NA30490 | Developing electrode cover |
| 18 | 26NA30630 | Developing shaft holder/front |
| 19 | 26NA30650 | Developing shaft holder/rear |
| 20 | 113620600 | Pin (A) |
| 21 | 26TA90250 | Development wiring |
| 22 | 26NA30700 | Developing gear |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670506 |
| c | 00Z163061 |
| d | 00Z183061 |
| e | 00Z253061 |
| f | 00Z193061 |
| g | 00Z253081 |
| h | 00Z670606 |
| j | 00Z163081 |
| k | 00Z670306 |

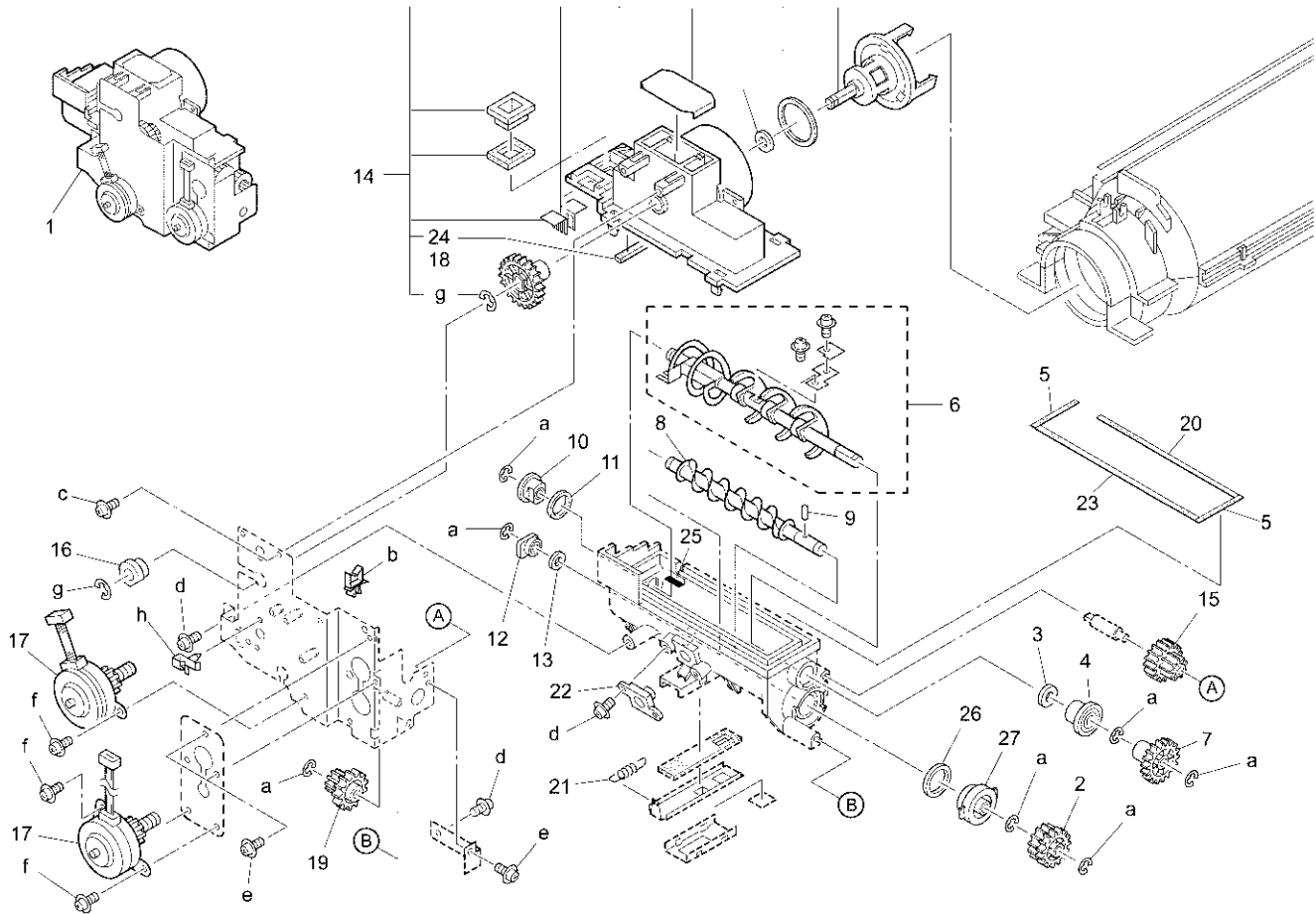
Developing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26TA-3061 | Developing cover assembly |
| 2 | 26NA-3040 | Developing cover assembly |
| 3 | 26NA88040 | Toner density sensor |
| 4 | 26NA30740 | Developing rail/left |
| 5 | 26NA-3050 | Developing cover part/A assembly |
| 6 | 26NA-3020 | Developing cover part/C assembly |
| 7 | 26NA30930 | Developing support stopper |
| 8 | 26NA30440 | Spewing preventive sheet/2 |
| 9 | 029420640 | L detecting seal |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253061 |
| b | 00Z193061 |

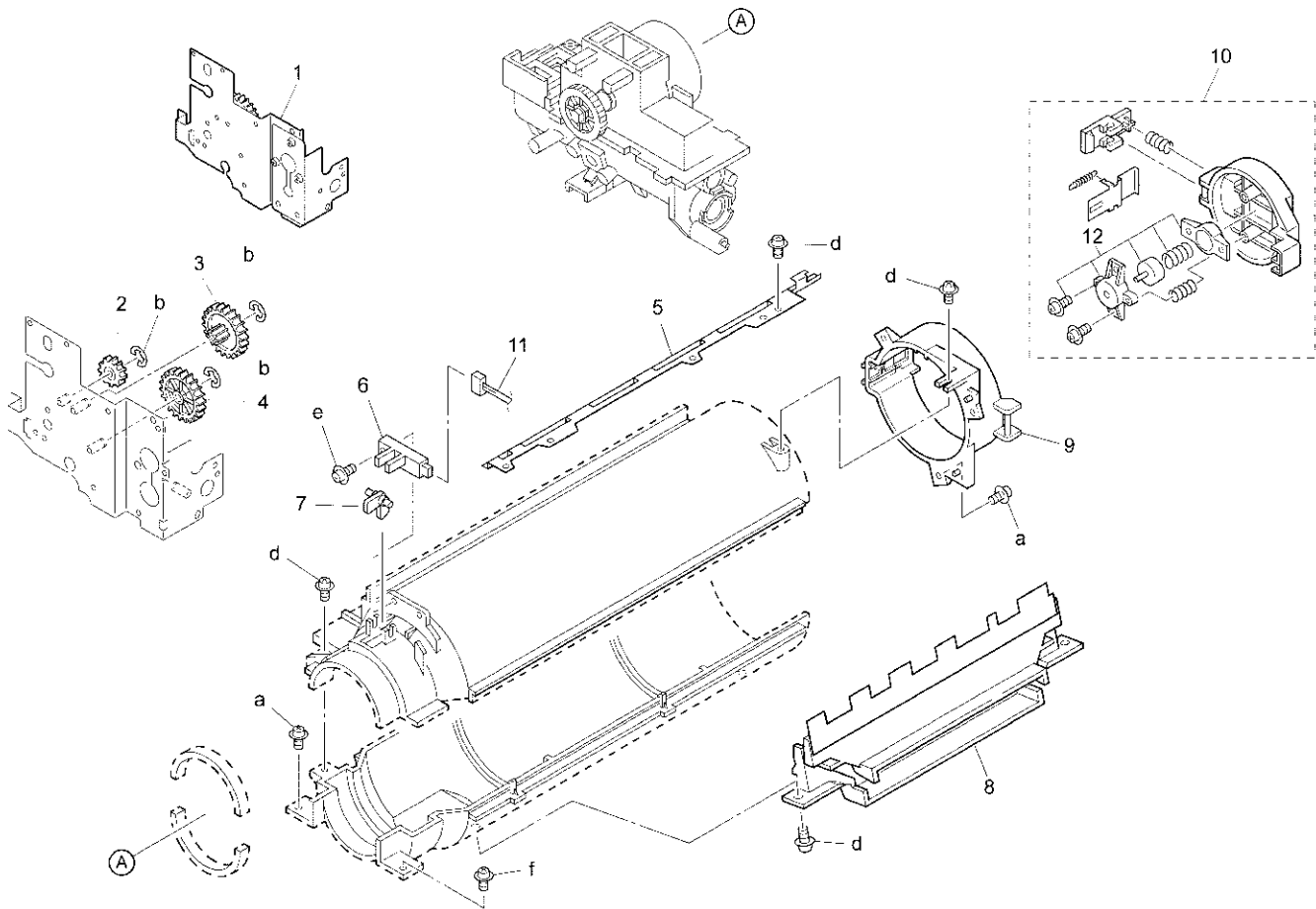
Toner Supply Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26WA-3200 | Toner supply unit |
| 2 | 26WA32510 | Toner conveyance gear/1 (Z=23/24) |
| 3 | 26NA32960 | Felt/C |
| 4 | 25HA32152 | Toner conveyance shaft holder/A |
| 5 | 26NA32930 | Toner supply seal/3 |
| 6 | 26WA-3250 | Agitate screw assembly |
| 7 | 26WA32530 | Toner conveyance gear/4 (Z=30) |
| 8 | 26NA32040 | Toner supply screw |
| 9 | 26NA32970 | Pin |
| 10 | 26NA32540 | Toner agitate shaft holder |
| 11 | 26NA32280 | Screw seal part/upper |
| 12 | 26NA32550 | Toner agitate shaft holder/right |
| 13 | 26NA32200 | Screw seal part/lower |
| 14 | 26NA-3221 | Toner supply base/upper assembly |
| 15 | 26WA32520 | Toner conveyance gear/3 (Z=17/23) |
| 16 | 26NA32660 | Toner supply shaft holder |
| 17 | 26NA80060 | Toner supply motor |
| 18 | 26NA32590 | Toner supply regulating gear (Z=42) |
| 19 | 26NA32680 | Toner conveyance gear/5 (Z=16/23) |
| 20 | 26NA32920 | Toner supply seal/2 |
| 21 | 26NA32090 | Toner supply open-close spring |
| 22 | 40AA88030 | Remainder detecting sensor |
| 23 | 26NA32910 | Toner supply seal/1 |
| 24 | 26NA32940 | Toner supply seal/4 |
| 25 | 26TA33010 | Toner agitate sheet/front |
| 26 | 26NA32270 | Screw seal part/middle |
| 27 | 26NA32560 | Toner agitate shaft holder/left |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z921301 |
| c | 00Z283061 |
| d | 00Z253081 |
| e | 00Z193041 |
| f | 00Z143041 |
| g | 00Z670506 |
| h | 00Z921941 |

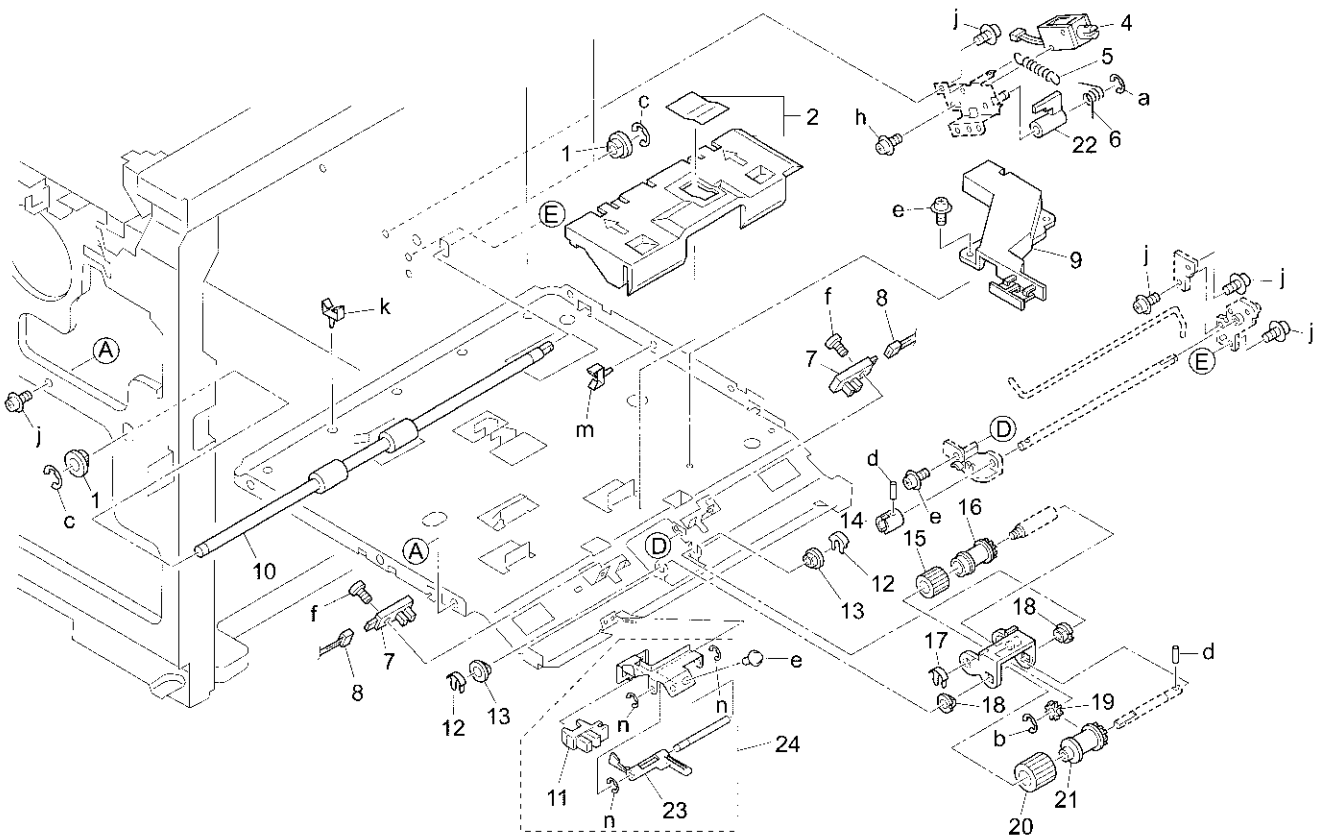
Toner Supply Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26TA-3230 | Toner supply driving assembly |
| 2 | 26TA32580 | Toner supply regulating gear (Z=18) |
| 3 | 26TA32640 | Toner supply gear/2 (Z=16/51) |
| 4 | 26TA32610 | Toner supply gear/1 (Z=23/51) |
| 5 | 26NA10350 | Rail/left |
| 6 | 56AA85510 | Photosensor |
| 7 | 26NA32230 | Detecting actuator/A |
| 8 | 26NE-7620 | Cooling cover/E assembly |
| 9 | 26WE-3340 | Toner supply guide part assembly |
| 10 | 26TA-3320 | Toner cartridge pressure assembly |
| 11 | 26WA90330 | Wiring/3 |
| 12 | 26TA-3330 | Pressure assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z283061 |
| b | 00Z670406 |
| d | 00Z253081 |
| e | 00Z253141 |
| f | 00Z194061 |

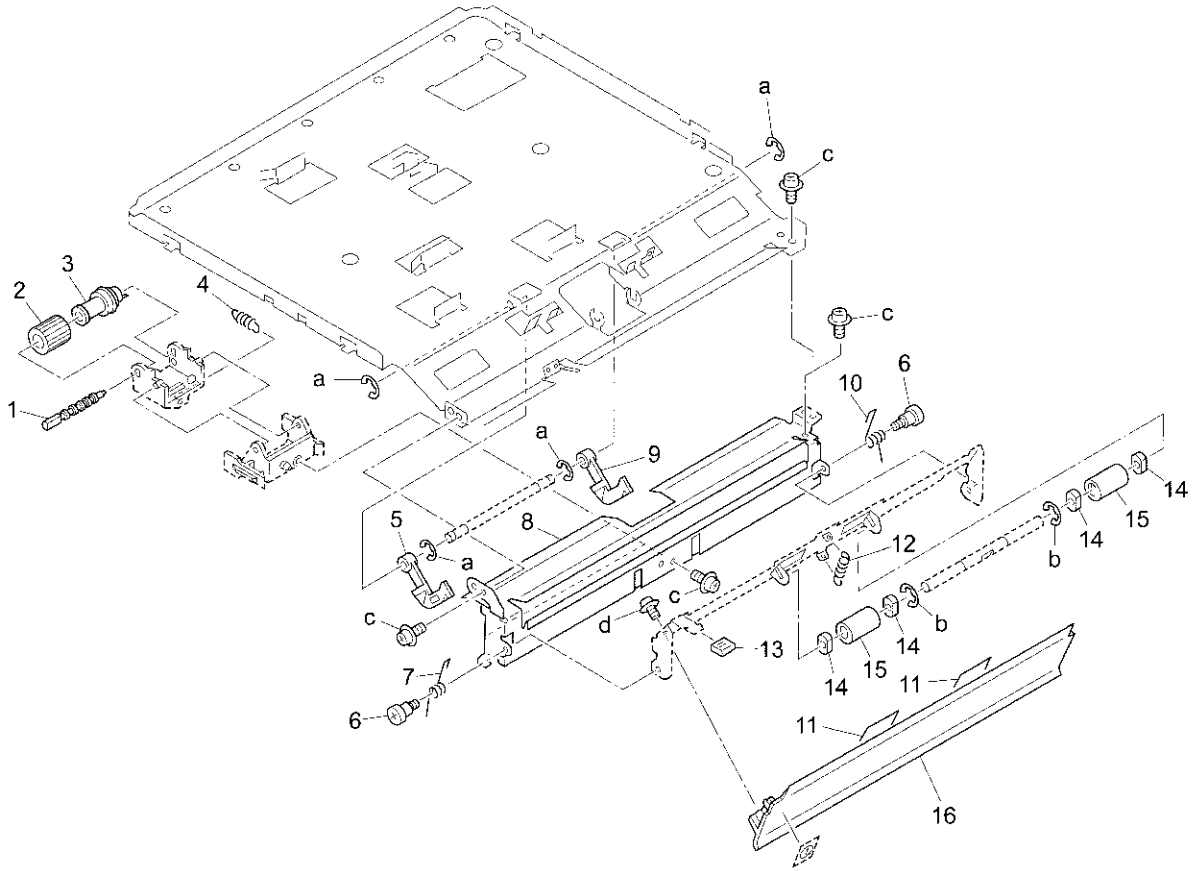
Paper Feed Unit (Upper)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---|
| 1 | 26NA40820 | Paper feed slide shaft holder |
| 2 | 26PA-4141 | Toner cover assembly |
| 3 | * | Not used |
| 4 | 26NA82510 | Paper feed solenoid |
| 5 | 26NA40810 | Paper feeding spring |
| 6 | 26NA40760 | Lever hold spring |
| 7 | 56AA85510 | Photosensor |
| 8 | 26WA90120 | Paper feed wiring/upper (7022) |
| 8 | 26XA90120 | Paper feed wiring/upper (7130) |
| 9 | 26TA73490 | Wiring guide bridge |
| 10 | 26WA40230 | Paper feed connecting roller/1 |
| 11 | 08AA85510 | Photosensor (7130) |
| 12 | 26NA40700 | Shaft positioning part |
| 13 | 540076010 | Paper feed shaft holder |
| 14 | 26NA40160 | Driving coupling |
| 15 | 26NA40090 | Paper feeding rubber |
| 16 | 26NA40080 | Feeding roller |
| 17 | 40AA40150 | Shaft positioning part |
| 18 | 40AA76040 | Feeding shaft holder |
| 19 | 26NA40510 | Paper feed idler gear (Z=17) |
| 20 | 26NA40110 | Double feed preventive rubber/upper |
| 21 | 26NA40100 | Double feed preventive roller/upper |
| 22 | 26NA40830 | Positioning arm |
| 23 | 26XA40920 | Paper detecting actuator (7130) |
| 24 | 26XA-4050 | Sensor mounting plate/upper assembly (7130) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| h | 00Z163051 |
| j | 00Z283061 |
| k | 00Z921302 |
| m | 00Z921942 |
| n | 00Z670206 |

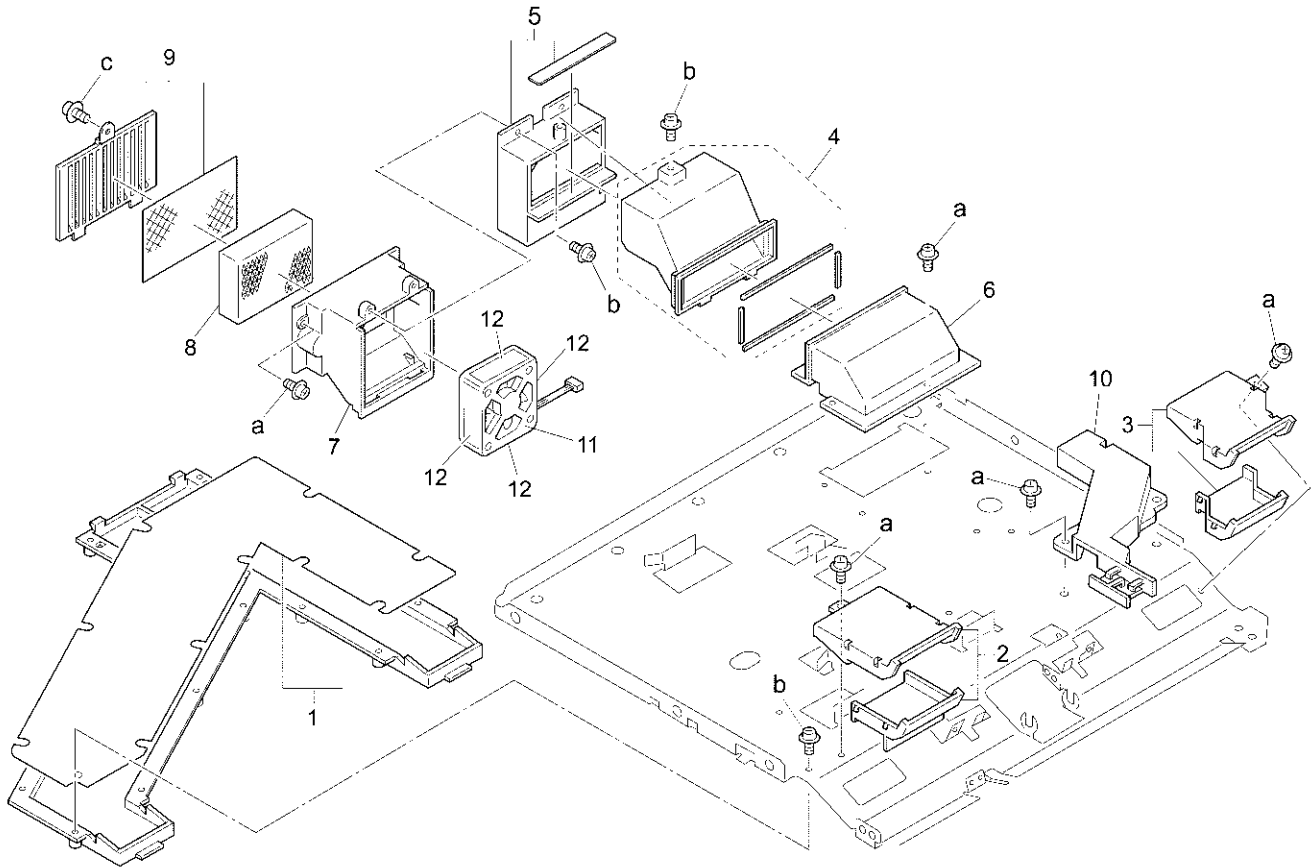
Paper Feed Unit (Upper)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 40AA40181 | Lever click shaft |
| 2 | 26NA40120 | Double feed preventive rubber/lower |
| 3 | 26NA40500 | Double feed preventive roller |
| 4 | 40AA40450 | Double feed pressure spring |
| 5 | 26NA40281 | Paper detecting actuator |
| 6 | 066079020 | Drawer |
| 7 | 26NA40631 | Paper feed pressure spring/front |
| 8 | 26PA40031 | Paper feed guide plate/upper |
| 9 | 26NA40751 | Paper detecting actuator/2 |
| 10 | 26NA40641 | Paper feed pressure spring/rear |
| 11 | 26NA40910 | Paper feed guide sheet/A |
| 12 | 26NA40261 | Conveyance pressure spring |
| 13 | 26NA40781 | Paper feed support knob |
| 14 | 25AA75530 | Slide shaft holder |
| 15 | 26NA42560 | Manual feed driven roller |
| 16 | 26NA40221 | Paper feed auxiliary part |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193061 |
| d | 00Z253081 |

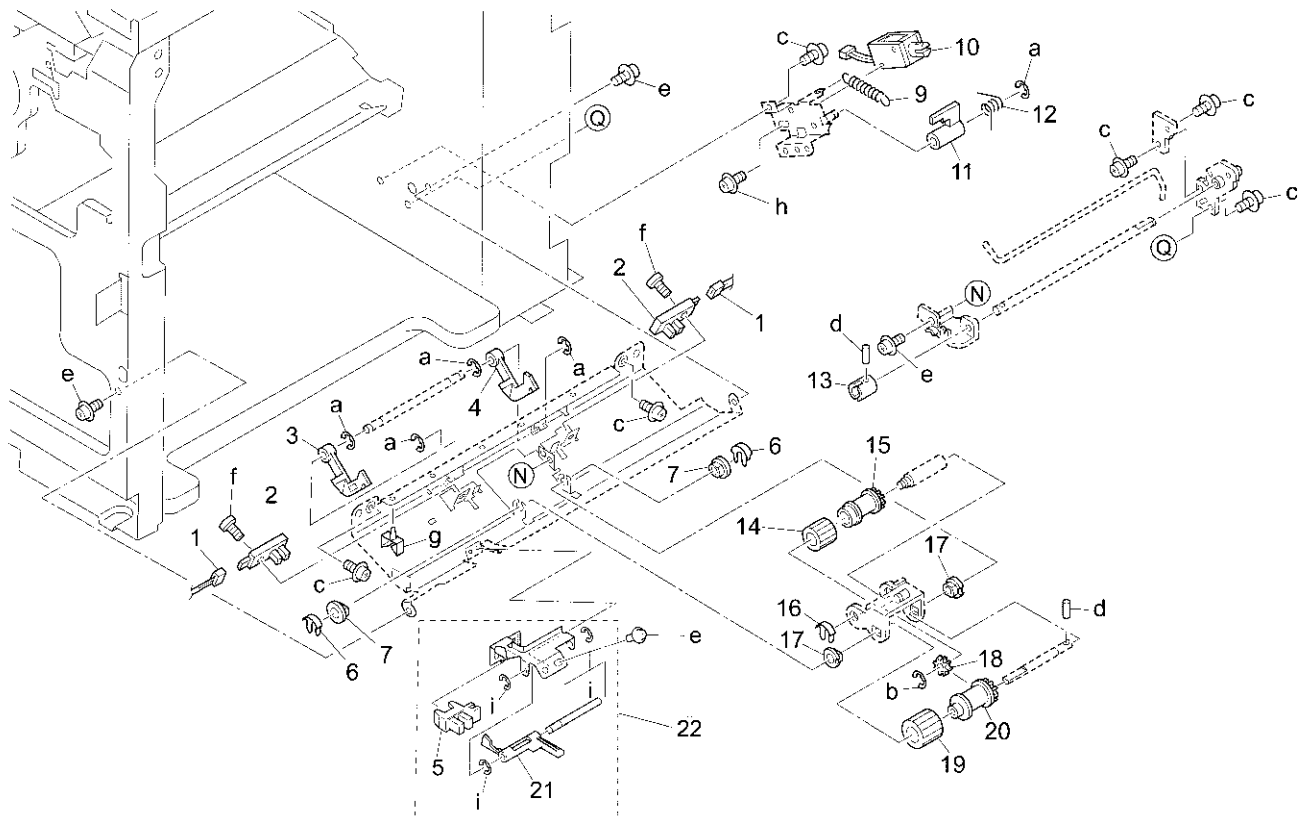
Suction Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 26TA-3160 | Suction cover sticking assembly |
| 2 | 26TA-3110 | Suction cover/2 assembly |
| 3 | 26TA-3120 | Suction cover/3 assembly |
| 4 | 26TA-3130 | Suction cover/6 assembly |
| 5 | 26TA-3150 | Fan cover/2 assembly |
| 6 | 26TA31050 | Suction cover/5 |
| 7 | 26TA31080 | Fan cover/1 |
| 8 | 26TA31110 | Suction filter/A |
| 9 | 26TA-3140 | Filter cover assembly |
| 10 | 26TA73490 | Wiring guide bridge |
| 11 | 26NA80510 | Main fan motor |
| 12 | 26NA73731 | Dust proof seal/5 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z253081 |
| c | 00Z193062 |

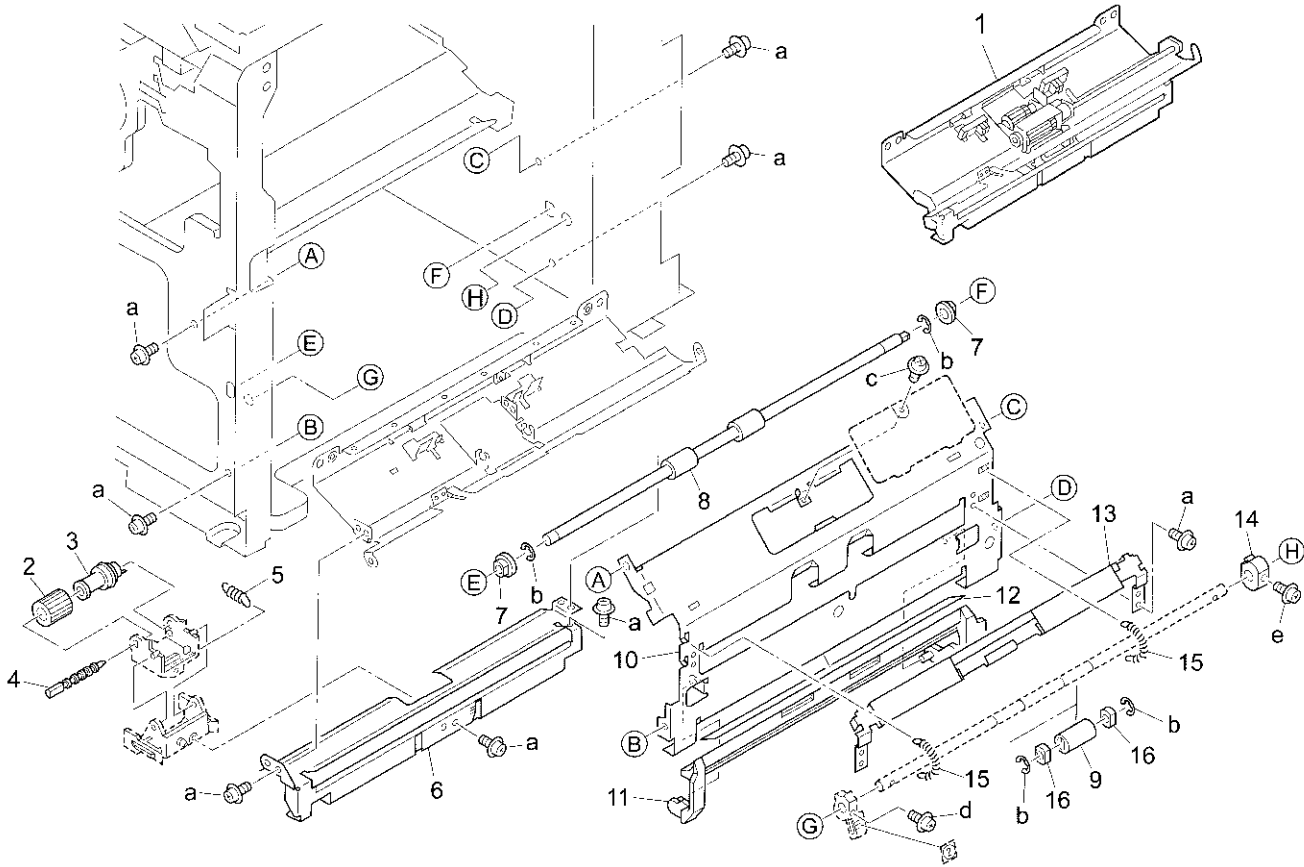
Paper Feed Unit (Lower)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---|
| 1 | 26WA90130 | Paper feed wiring/lower (7022) |
| 1 | 26XA90130 | Paper feed wiring/lower (7130) |
| 2 | 56AA85510 | Photosensor |
| 3 | 26NA40281 | Paper detecting actuator |
| 4 | 26NA40751 | Paper detecting actuator/2 |
| 5 | 08AA85510 | Photosensor (7130) |
| 6 | 26NA40700 | Shaft positioning part |
| 7 | 540076010 | Paper feed shaft holder |
| 8 | * | Not used |
| 9 | 26NA40810 | Paper feeding spring |
| 10 | 26NA82510 | Paper feed solenoid |
| 11 | 26NA40830 | Positioning arm |
| 12 | 26NA40760 | Lever hold spring |
| 13 | 26NA40160 | Driving coupling |
| 14 | 26NA40090 | Paper feeding rubber |
| 15 | 26NA40080 | Feeding roller |
| 16 | 40AA40150 | Shaft positioning part |
| 17 | 40AA76040 | Feeding shaft holder |
| 18 | 26NA40510 | Paper feed idler gear (Z=17) |
| 19 | 26NA40110 | Double feed preventive rubber/upper |
| 20 | 26NA40100 | Double feed preventive roller/upper |
| 21 | 26XA40920 | Paper detecting actuator (7130) |
| 22 | 26XA-4060 | Sensor mounting plate/lower assembly (7130) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z283061 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| g | 00Z921942 |
| h | 00Z163051 |
| i | 00Z670206 |

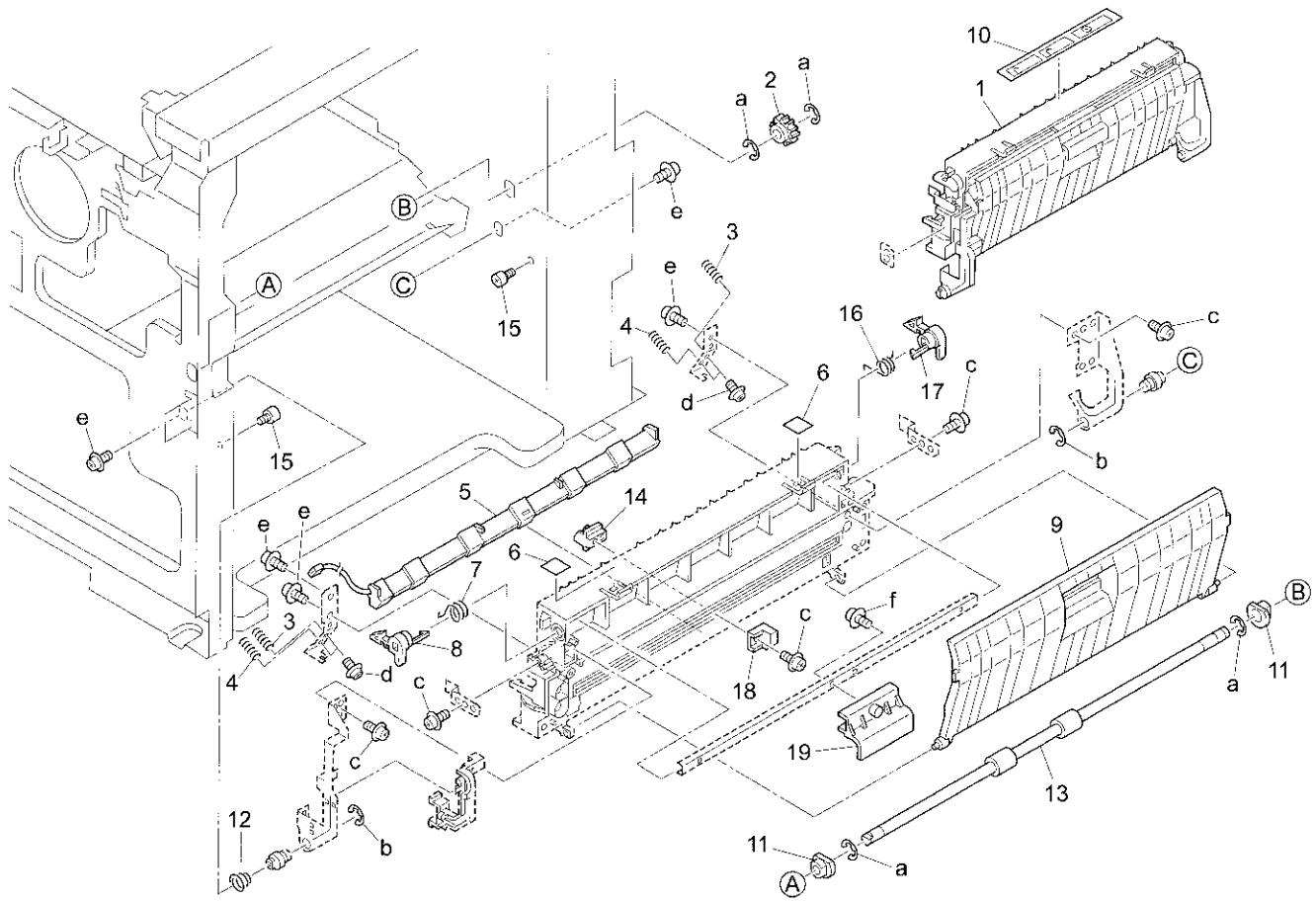
Paper Feed Unit (Lower)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26WA-4010 | Paper feed lower assembly (7022) |
| 1 | 26XA-4010 | Paper feed lower assembly (7130) |
| 2 | 26NA40120 | Double feed preventive rubber/lower |
| 3 | 26NA40500 | Double feed preventive roller |
| 4 | 40AA40181 | Lever click shaft |
| 5 | 40AA40450 | Double feed pressure spring |
| 6 | 26PA40741 | Paper feed guide plate/lower |
| 7 | 26NA40820 | Paper feed slide shaft holder |
| 8 | 26NA40671 | Paper feed connecting roller/2 |
| 9 | 26NA40681 | Paper feed driven roller/lower |
| 10 | 26NA40190 | Paper feed plate/right |
| 11 | 26NA40270 | Side guide plate |
| 12 | 26NA50352 | Guide sheet |
| 13 | 26NA-4160 | Paper feed enter plate assembly |
| 14 | 26NA40880 | Cam release part/rear |
| 15 | 26NA40720 | Paper feed conveyance spring |
| 16 | 26NA40890 | Slide shaft holder |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z670606 |
| c | 00Z183061 |
| d | 00Z193141 |
| e | 00Z163121 |

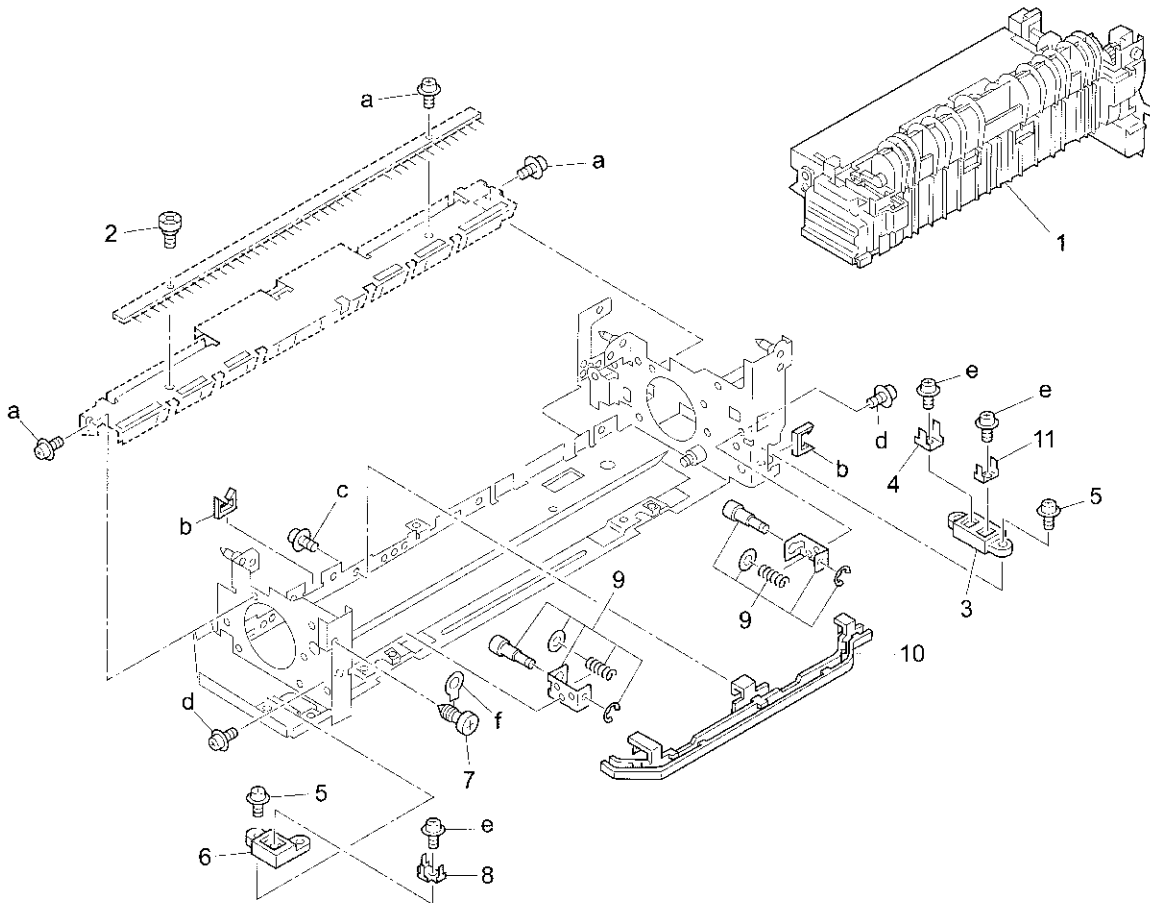
Conveyance Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------|
| 1 | 26NA-4501 | Conveyance unit |
| 2 | 26NA16130 | Clutch gear/1 (Z=27) |
| 3 | 26NA45490 | Lifting spring/2 |
| 4 | 26NA45071 | Lift-up spring |
| 5 | 26NA-4581 | PTL light shield assembly |
| 6 | 26NA97380 | Open-close label/lower |
| 7 | 26NA45330 | Lock spring/2 |
| 8 | 26NA45220 | Open-close lever |
| 9 | 26NA45340 | Conveyance guide part |
| 10 | 26NA97491 | Drum caution label |
| 11 | 466076020 | Paper feeding shaft holder |
| 12 | 26NA45290 | Ground spring |
| 13 | 26NA45030 | Conveyance roller |
| 14 | 26NA45401 | Guide part |
| 15 | 26NA45430 | Conveyance stopper |
| 16 | 26NA45320 | Lock spring/1 |
| 17 | 26NA45310 | Open-close lever/2 |
| 18 | 26NA45410 | Electrode cleaning knob |
| 19 | 26NA45350 | Conveyance knob |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z253081 |
| d | 00Z113041 |
| e | 00Z193061 |
| f | 00Z243061 |

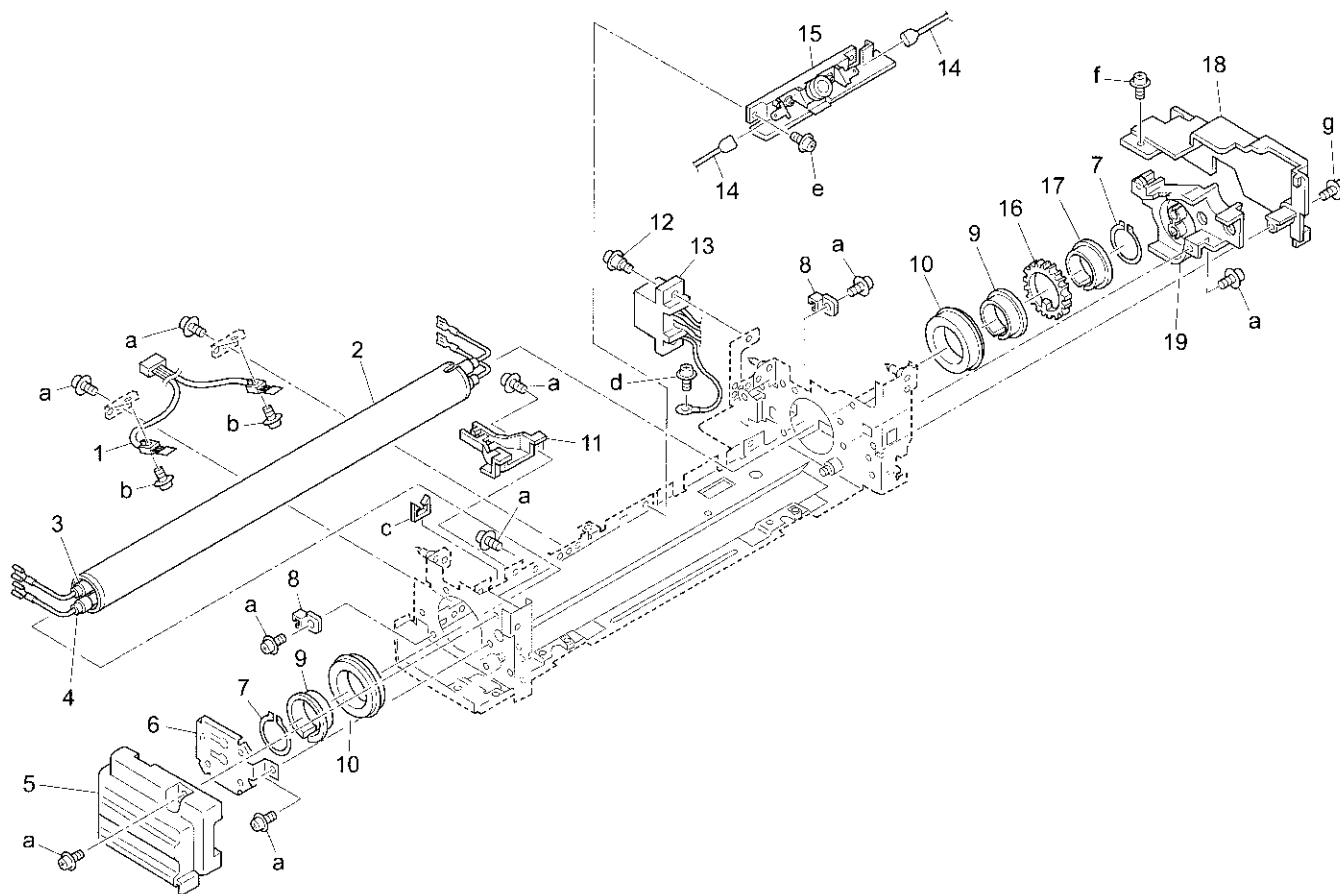
Fixing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------|
| 1 | 26WE-5300 | Fixing unit |
| 2 | 26NA54190 | Fixing guide screw |
| 3 | 26NA53770 | Terminal plate/A |
| 4 | 26NA53740 | Terminal plate/A |
| 5 | 26NA54230 | Terminal fixing screw |
| 6 | 26NA53780 | Terminal plate/B |
| 7 | 26NA53931 | Fixed screw |
| 8 | 26NA54280 | Terminal plate |
| 9 | 26NA-5461 | Pressure spring assembly |
| 10 | 26NA54051 | Wiring guide part/B |
| 11 | 40AA53470 | Terminal plate/1 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z163061 |
| b | 00Z921330 |
| c | 00Z193041 |
| d | 00Z183031 |
| e | 00Z153061 |
| f | 00Z600406 |

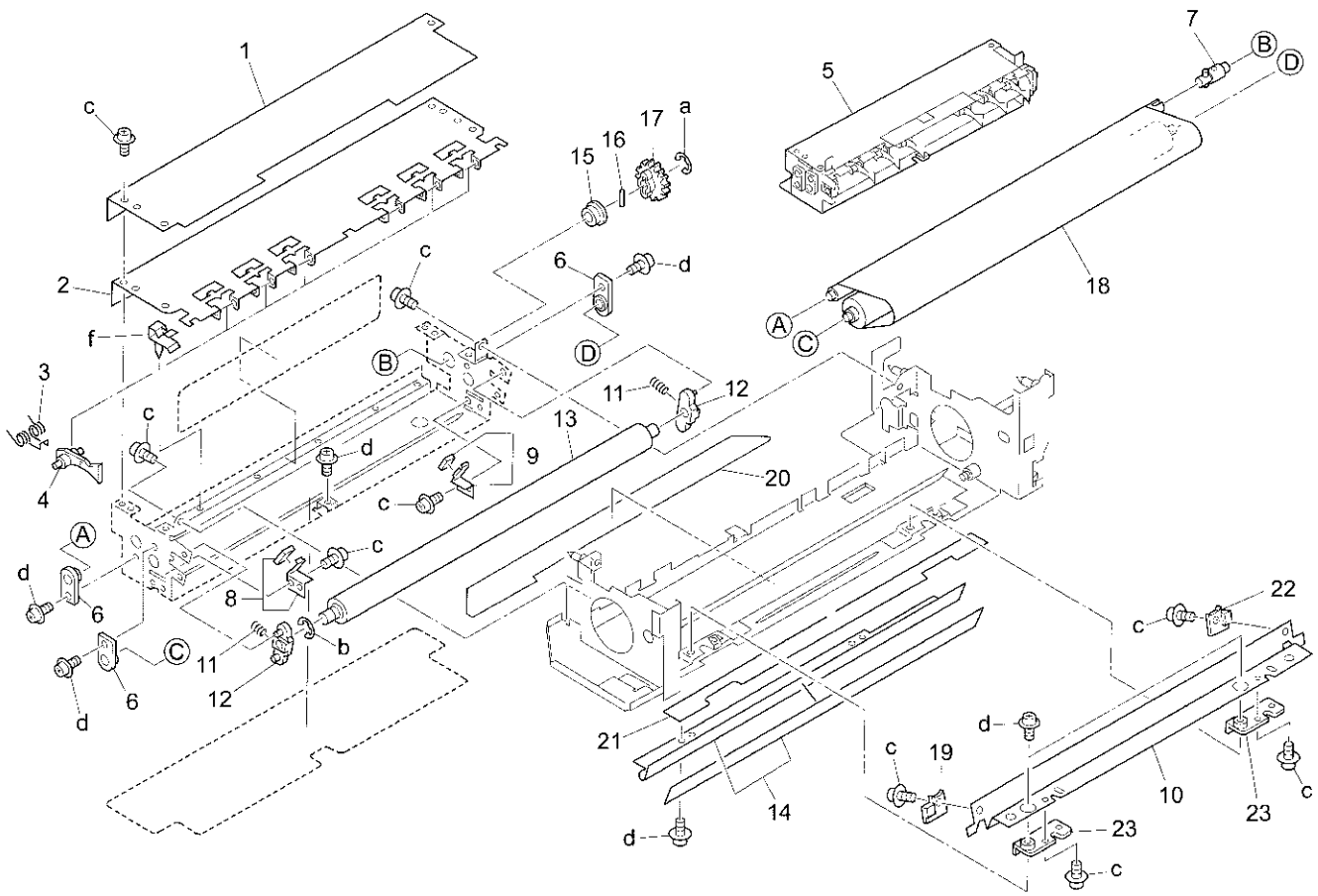
Fixing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------|
| 1 | 26NA88011 | Fixing sensor |
| 2 | 26NA53034 | Fixing roller/upper |
| 3 | 26NE83020 | Fixing heater/1 |
| 4 | 26NE83030 | Fixing heater/2 |
| 5 | 26NA53401 | Fixing cover/front |
| 6 | 26NA53890 | Lamp support part/front |
| 7 | 26NA53620 | Fixing fixed part |
| 8 | 26NA53211 | Wiring guide part/A |
| 9 | 26NA53720 | Heat insulating sleeve/A |
| 10 | 26NA53710 | Fixing shaft holder/upper |
| 11 | 26NA54150 | Wiring guide part/C |
| 12 | 26NA54030 | Mount screw |
| 13 | 26WA90050 | Fixing powering wiring |
| 14 | 26NA90040 | Fuse cord/1 |
| 15 | SP00-0110 | Fuse mount plate assembly |
| 16 | 26NA54060 | Fixing gear (Z=40) |
| 17 | 26NA53730 | Heat insulating sleeve/B |
| 18 | 26NA53410 | Fixing cover/rear |
| 19 | 26NA53900 | Lamp support part/rear |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193041 |
| b | 00Z163101 |
| c | 00Z921330 |
| d | 00Z164061 |
| e | 00Z163061 |
| f | 00Z193061 |
| g | 00Z193251 |

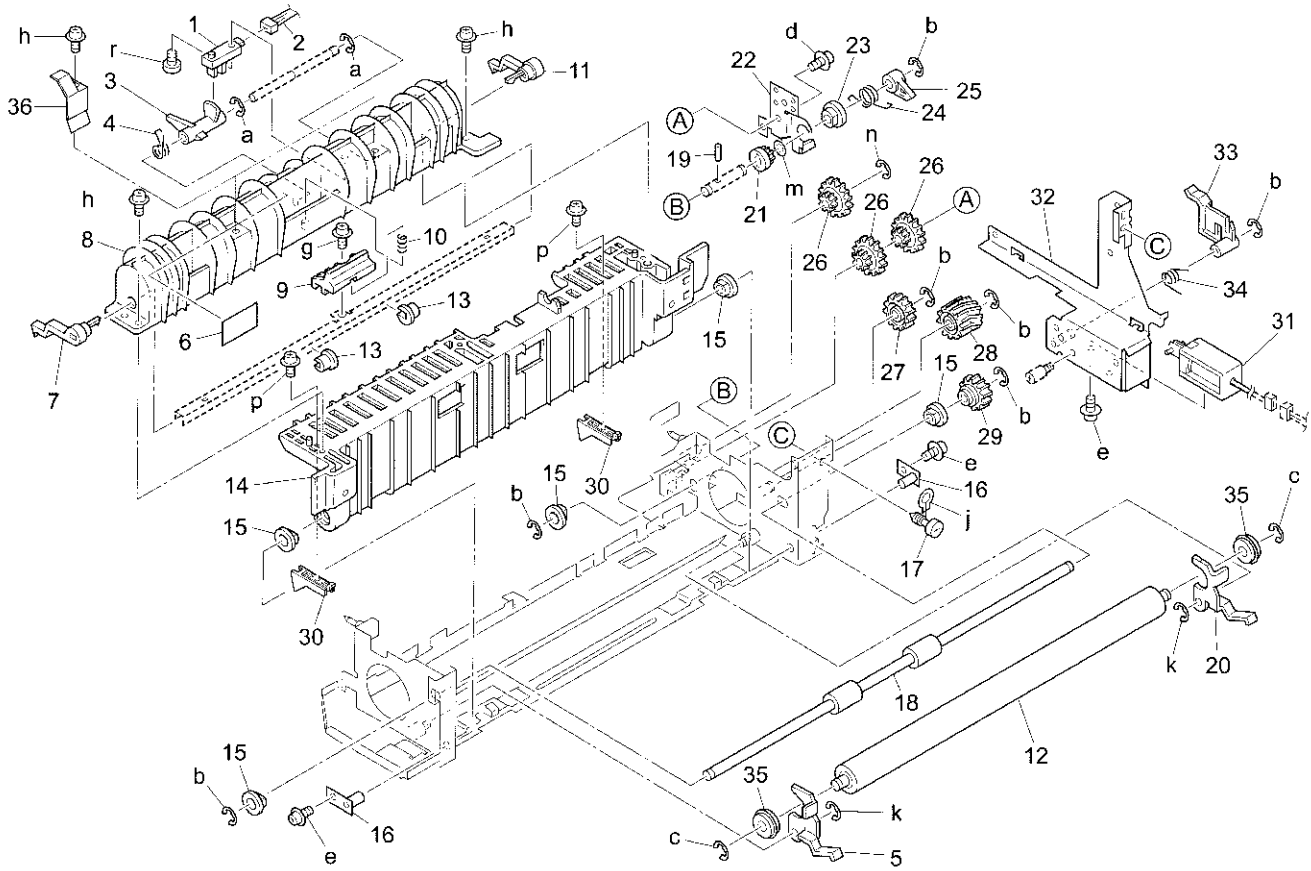
Fixing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26NA53560 | Heat insulating sheet/E |
| 2 | 26NA53271 | Cleaner cover |
| 3 | 26NA54160 | Separate spring |
| 4 | 26NA54270 | Fixing claw |
| 5 | 26NA-5401 | Cleaner assembly |
| 6 | 26NA53510 | Fixing cleaner shaft holder/B |
| 7 | 26NA-5430 | Cleaner driving shaft assembly |
| 8 | 26NA-5410 | Regulating plate/front assembly |
| 9 | 26NA-5420 | Regulating plate/rear assembly |
| 10 | 26NA53650 | Fixing entrance plate |
| 11 | 26NA53610 | Cleaner pressure spring |
| 12 | 26NA53490 | Fixing cleaner shaft holder/A |
| 13 | 26NA53830 | Fixing cleaner roller |
| 14 | 26NA-5481 | Fixing entrance plate/2 assembly |
| 15 | 26NA54300 | Fixing cleaner shaft holder/A |
| 16 | 113620600 | Pin (A) |
| 17 | 26NA53470 | Cleaner gear/B (Z=44) |
| 18 | 26NA53430 | Web |
| 19 | 26NA53680 | Pressure part/A |
| 20 | 26NA53250 | Fixing heat insulate sheet/B |
| 21 | 26NA53360 | Fixing heat insulate sheet/C |
| 22 | 26NA54010 | Pressure part/B |
| 23 | 26NA53790 | Heat insulating part |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193041 |
| d | 00Z193061 |
| f | 00Z921930 |

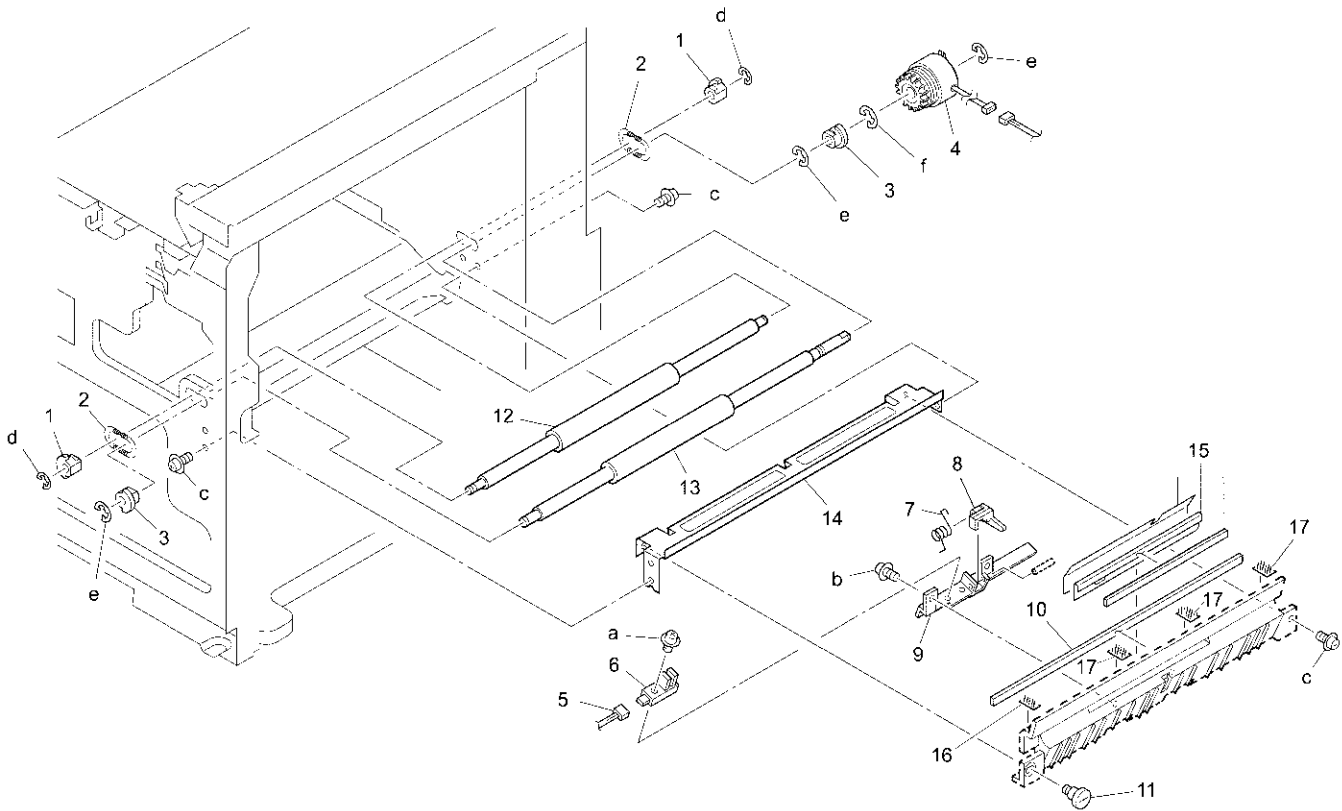
Fixing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 55VA85520 | Photosensor |
| 2 | 26TA90490 | Fixing relay wiring/2 |
| 3 | 26TA53171 | Fixing paper exit actuator |
| 4 | 26NA53700 | Pressure spring |
| 5 | 26NA53070 | Pressure arm/front |
| 6 | 26NE97470 | Lever indication label/5 |
| 7 | 26NA54070 | Lock part/front |
| 8 | 26NA53882 | Fixing guide part/2 |
| 9 | 26NA54110 | Open-close lever |
| 10 | 26NA54120 | Open-close spring |
| 11 | 26NA54080 | Lock part/rear |
| 12 | 26NA53040 | Fixing roller/lower |
| 13 | 26NA54100 | Lever shaft holder |
| 14 | 26NA53020 | Fixing guide part |
| 15 | 192141710 | Paper push up lever shaft holder |
| 16 | 26NA-5440 | Rotary shaft/A assembly |
| 17 | 26NA53931 | Fixed screw |
| 18 | 26NA53131 | Conveyance roller |
| 19 | 466078010 | Pin A |
| 20 | 26NA53080 | Pressure arm/rear |
| 21 | 26NA53460 | Cleaner gear/A |
| 22 | 26NA-5470 | Auxiliary part assembly |
| 23 | 26NA53840 | Fixing cleaner shaft holder/C |
| 24 | 26NA53290 | Lever spring |
| 25 | 26NA54040 | Fixing cleaner lever |
| 26 | 26NA54290 | Fixing driving gear/D (Z=18/44) |
| 27 | 26NA53940 | Fixing idler gear/B (Z=21) |
| 28 | 26NA53440 | Fixing idler gear/A (Z=21/21) |
| 29 | 26NA53450 | Conveyance drive gear (Z=21) |
| 30 | 26NA54310 | Paper guide part |
| 31 | 26NA-4890 | ADU Solenoid shaft assembly |
| 32 | 26NA-5510 | Fixing mount rail assembly |
| 33 | 26NA53660 | Solenoid actuator |
| 34 | 26NA53670 | Solenoid spring |
| 35 | 26NA53590 | Fixing shaft holder/lower |
| 36 | 26NA-5281 | Conveyance guide sheet/2 assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z163061 |
| e | 00Z193041 |
| g | 00Z193061 |
| h | 00Z253101 |
| j | 00Z600406 |
| k | 00Z670306 |
| m | 00Z610601 |
| n | 00Z670506 |
| p | 00Z253081 |
| r | 00Z253121 |

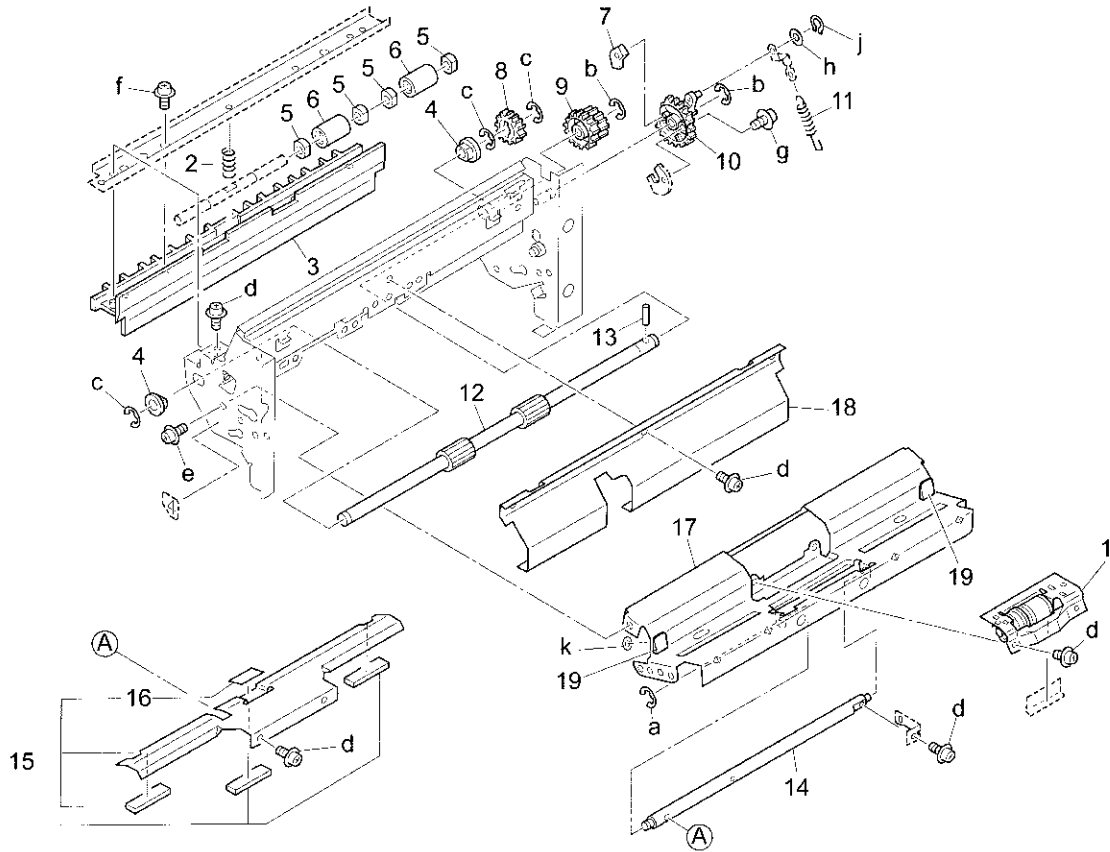
Registration Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA45371 | Registration unit shaft holder/2 |
| 2 | 26NA45141 | Registration unit spring |
| 3 | 26NA45360 | Registration unit shaft holder/1 |
| 4 | 26NA82010 | Registration unit clutch |
| 5 | 26WA90440 | Registration unit relay wiring |
| 6 | 56AA85510 | Photosensor |
| 7 | 26NA45170 | Pressure spring |
| 8 | 26NA45160 | Registration unit actuator |
| 9 | 26NA45150 | Support part |
| 10 | 26NA45450 | Dust proof seal |
| 11 | 26NA45440 | Registration unit fixed screw |
| 12 | 26NA45130 | Registration unit roller/B |
| 13 | 26NA45120 | Registration unit roller/A |
| 14 | 26NA-4520 | Conveyance support plate assembly |
| 15 | 26NA-4540 | Registration unit cleaner assembly |
| 16 | 26TA31170 | Suction seal/4 |
| 17 | 26TA31180 | Suction seal/5 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253141 |
| b | 00Z253081 |
| c | 00Z193061 |
| d | 00Z670406 |
| e | 00Z670506 |
| f | 00Z670606 |

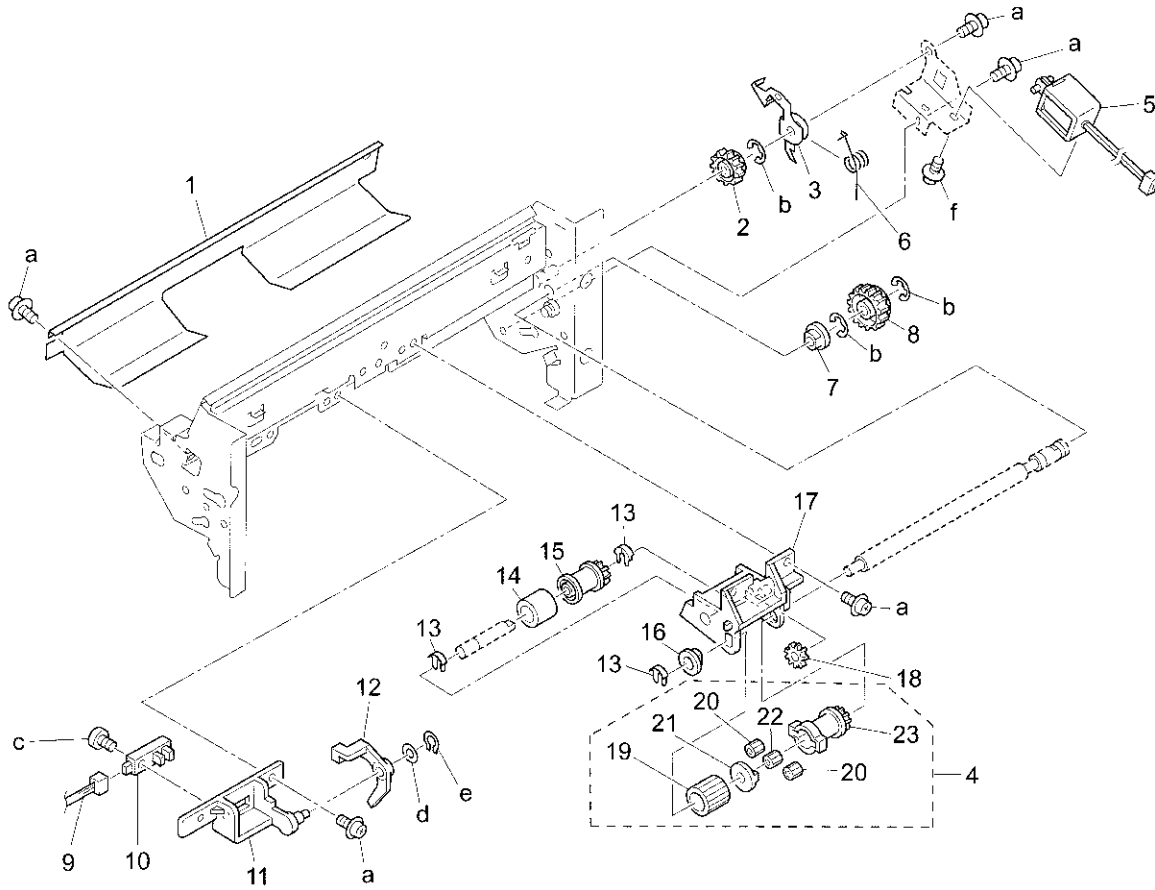
Manual Feed Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 26NA-4241 | Manual feed paper guide assembly |
| 2 | 26NA42241 | Manual feed conveyance spring |
| 3 | 26NA42010 | Manual feed guide part |
| 4 | 26NA40820 | Paper feed slide shaft holder |
| 5 | 25AA75530 | Slide shaft holder |
| 6 | 26NA40240 | Paper feed driven roller |
| 7 | 40AA42310 | Manual feed pressure rubber |
| 8 | 26NA42061 | Manual feed conveyance gear (Z=21) |
| 9 | 26NA42050 | Manual feed idler gear/upper (Z=28/30) |
| 10 | 26NA42070 | Cam pressure gear (Z=25) |
| 11 | 26NA42220 | Manual feed pressure spring |
| 12 | 26NA42021 | Manual feed conveyance roller |
| 13 | 304078040 | Pin B |
| 14 | 26NA42200 | Manual feed lift-up shaft |
| 15 | 26NA-4221 | Manual feed lift-up plate assembly |
| 16 | 540042350 | Double feed preventive plate |
| 17 | 26NA42251 | Manual feed guide plate |
| 18 | 26NA-4311 | Manual feed cover assembly |
| 19 | 26NA42570 | Manual feed guide spacer |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z193061 |
| e | 00Z183063 |
| f | 00Z253081 |
| g | 00Z183041 |
| h | 00Z610301 |
| j | 00Z680306 |
| k | 00Z660306 |

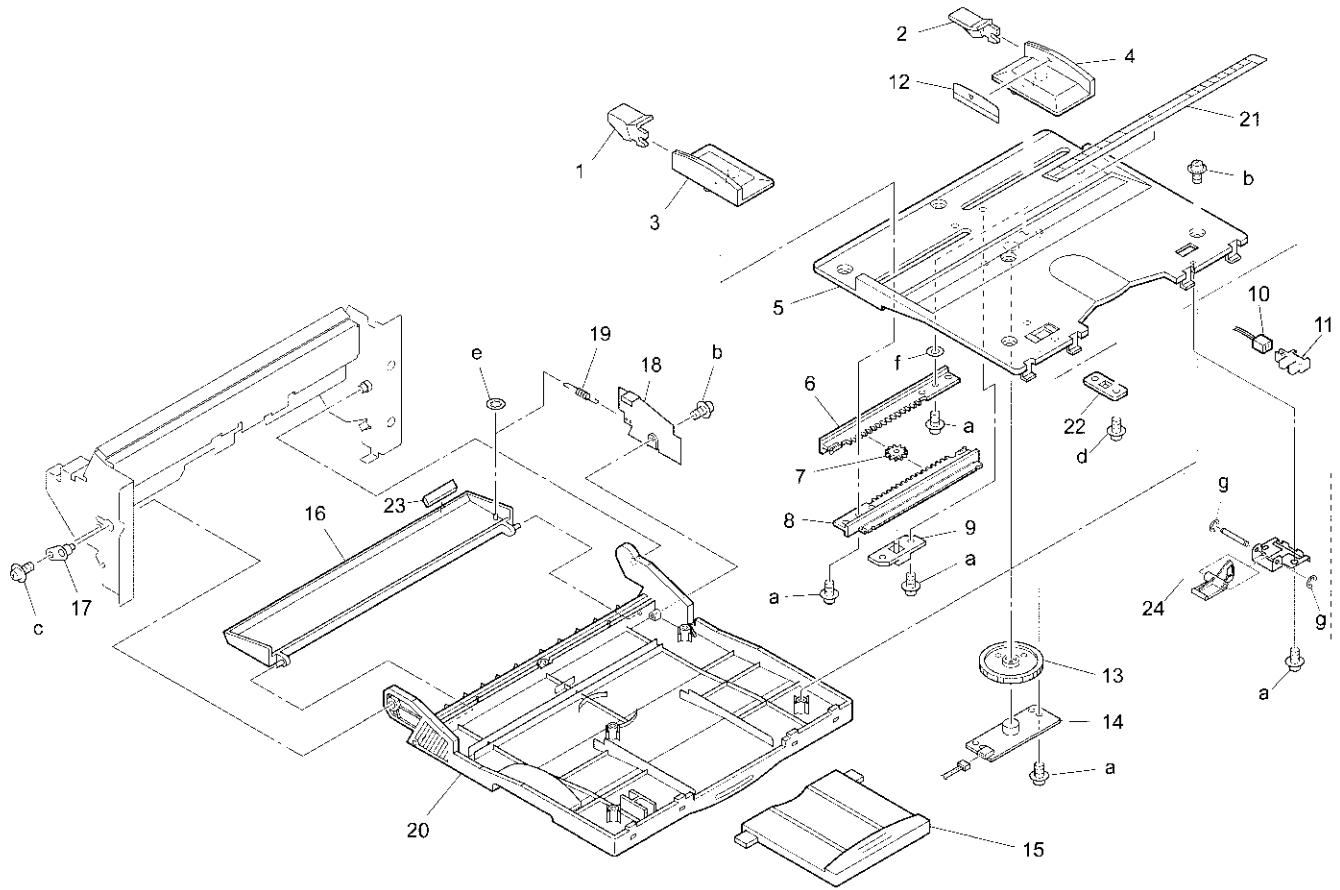
Manual Feed Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26NA42480 | Bypass feed guide plate/upper |
| 2 | 26NA42040 | Manual feed idler gear/lower (Z=22) |
| 3 | 26NA42030 | Manual feed driving cam |
| 4 | 26NA-4280 | Manual feed pick up assembly/2 |
| 5 | 26NA-5090 | Manual feed solenoid assembly |
| 6 | 26NA42210 | Cam spring |
| 7 | 466076020 | Paper feeding shaft holder |
| 8 | 40AA42270 | Manual feed clutch |
| 9 | 26WA90140 | Manual feed wiring |
| 10 | 56AA85510 | Photosensor |
| 11 | 26NA42351 | Support part |
| 12 | 26NA42280 | Manual feed detecting part |
| 13 | 40AA40150 | Shaft positioning part |
| 14 | 540040562 | Paper supply rubber |
| 15 | 40AA42100 | Manual feed conveyance roller |
| 16 | 540076010 | Paper feed shaft holder |
| 17 | 26NA42081 | Manual feed part |
| 18 | 26NA42580 | Gear (D) (Z=16) |
| 19 | 25BA40320 | Paper feeding rubber |
| 20 | 26NA42630 | Clutch lock gear (Z=10) |
| 21 | 26NA42590 | Cover |
| 22 | 26NA42610 | Clutch standard gear |
| 23 | 26NA42600 | Manual feed roller |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z670406 |
| c | 00Z253141 |
| d | 00Z610401 |
| e | 00Z660406 |
| f | 00Z193041 |

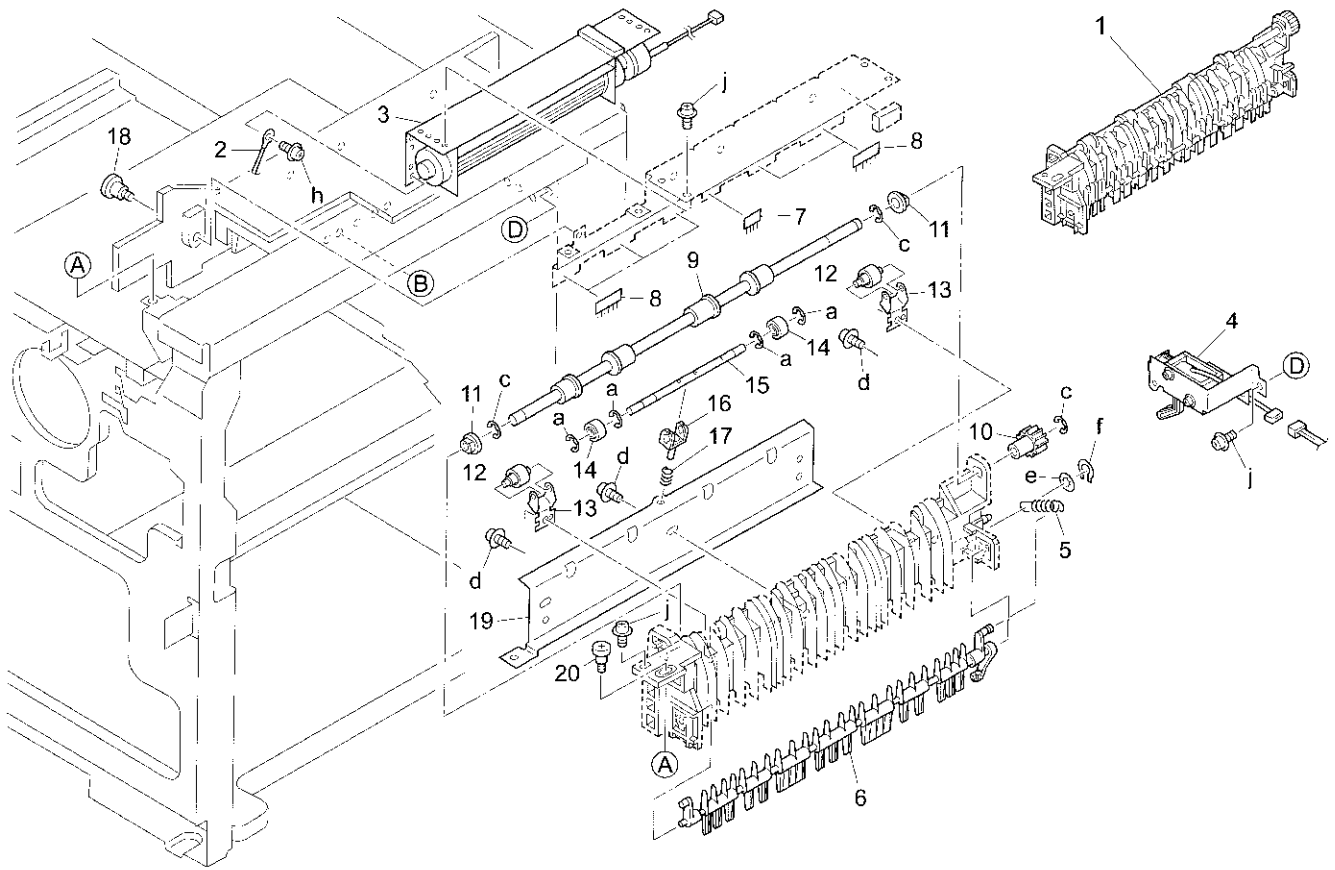
Manual Feed Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA42330 | Paper guide plate/front |
| 2 | 26NA42340 | Paper guide plate/rear |
| 3 | 26NA42391 | Paper regulating part/front |
| 4 | 26NA42401 | Paper regulating part/rear |
| 5 | 26NA42171 | Manual feed tray/upper |
| 6 | 396040611 | Rack |
| 7 | 466077130 | Pinion |
| 8 | 26NA42440 | Rack/A |
| 9 | 540042120 | Slide holder/1 |
| 10 | 26NA90451 | Bypass feed detecting wiring |
| 11 | 55VA85520 | Photosensor |
| 12 | 26NA97350 | Manual feed label/2 |
| 13 | 26NA42450 | Pinion/A (Z=124) |
| 14 | 13QA-9010 | Size detecting board assembly |
| 15 | 26NA42320 | Manual feed auxiliary tray |
| 16 | 26NA42300 | Manual feed cover |
| 17 | 26NA-4291 | Manual feed fulcrum plate assembly |
| 18 | 26NA42490 | Wiring plate |
| 19 | 26NA42380 | Manual feed open-close spring/rear |
| 20 | 26NA42181 | Manual feed tray/lower |
| 21 | 26NA97270 | Manual feed label/1 |
| 22 | 26NA42550 | Magnet pressure plate |
| 23 | 26NA42620 | Manual feed sticking part/3 |
| 24 | 26NA-4330 | Paper detecting actuator assembly |

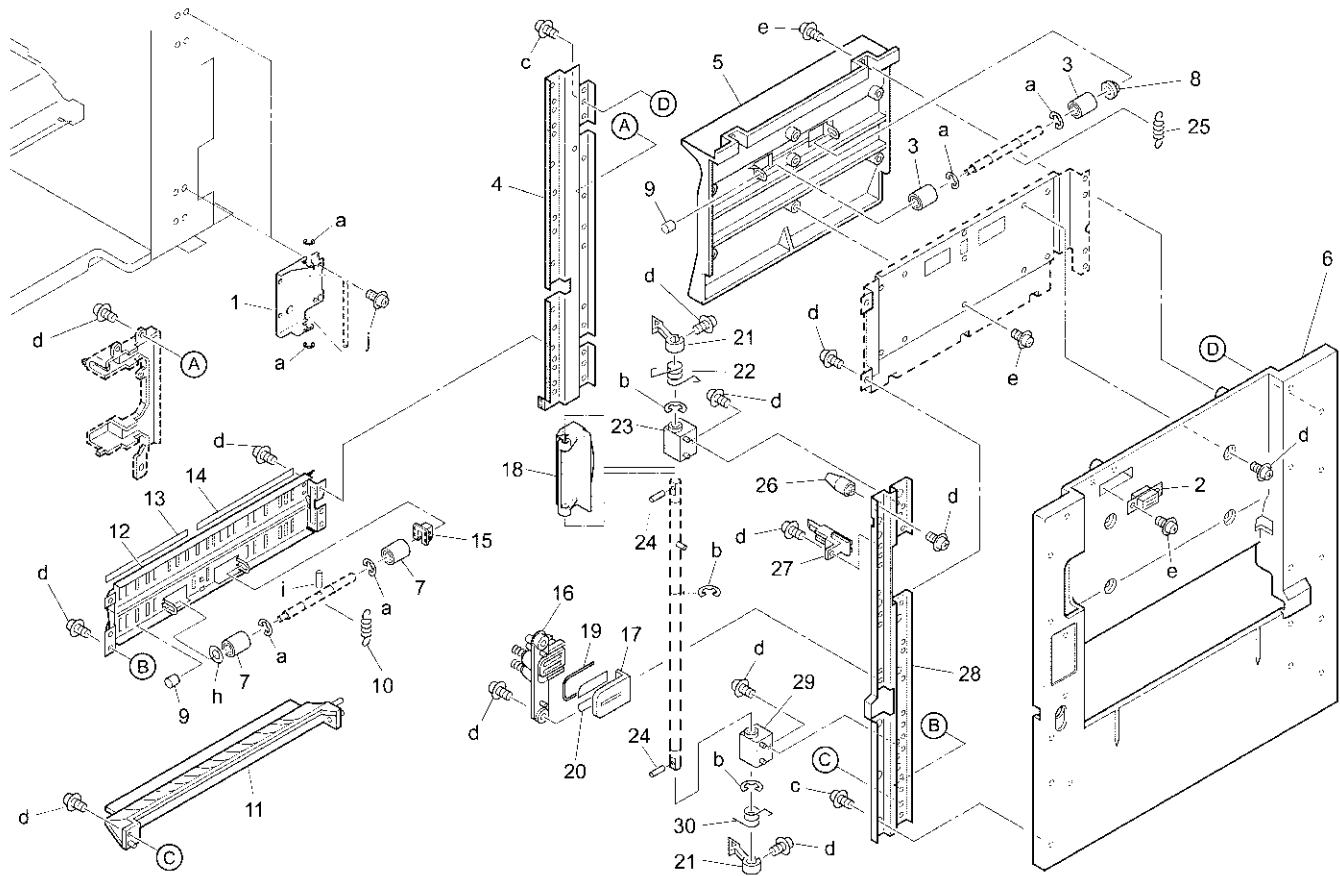
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z253082 |
| c | 00Z193061 |
| d | 00Z253181 |
| e | 00Z660306 |
| f | 00Z610301 |
| g | 00Z670206 |

Paper Exit Unit



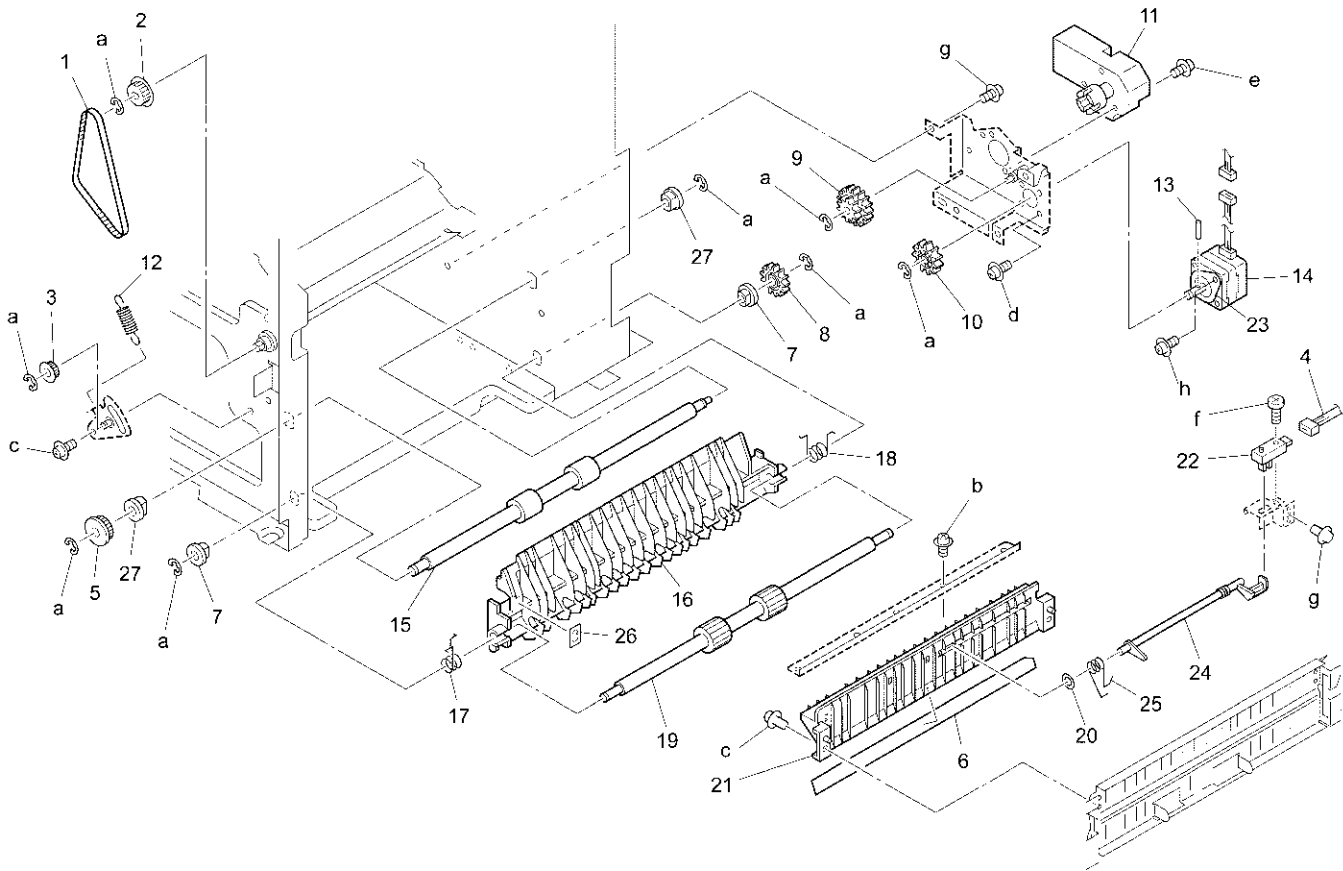
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA-4801 | Paper exit unit |
| 2 | 26NA90470 | Paper exit ground wiring |
| 3 | 26NA-7390 | Fan motor assembly |
| 4 | 26NA-4870 | ADU change solenoid assembly |
| 5 | 26NA48110 | Tension spring |
| 6 | 26NA48250 | Paper exit guide part |
| 7 | 26NA48220 | Neutralizing brush/B |
| 8 | 26NA48210 | Neutralizing brush/A |
| 9 | 26NA48020 | Paper exit roller |
| 10 | 26NA15740 | Paper exit gear (Z=26) |
| 11 | 508053460 | Paper exit slide shaft holder |
| 12 | 26NA48120 | Paper exit driven roller |
| 13 | 26NA48130 | Paper exit driven spring |
| 14 | 26NA48070 | Paper exit driven roller |
| 15 | 26NA48081 | Paper exit driven shaft |
| 16 | 26NA48140 | Paper exit driven part |
| 17 | 26NA48100 | Paper exit spring |
| 18 | 26NA12430 | External fixed screw |
| 19 | 26NA48010 | Paper exit stay |
| 20 | 26NA45440 | Registration unit fixed screw |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| c | 00Z670406 |
| d | 00Z253081 |
| e | 00Z610301 |
| f | 00Z660306 |
| h | 00Z183061 |
| j | 00Z193061 |



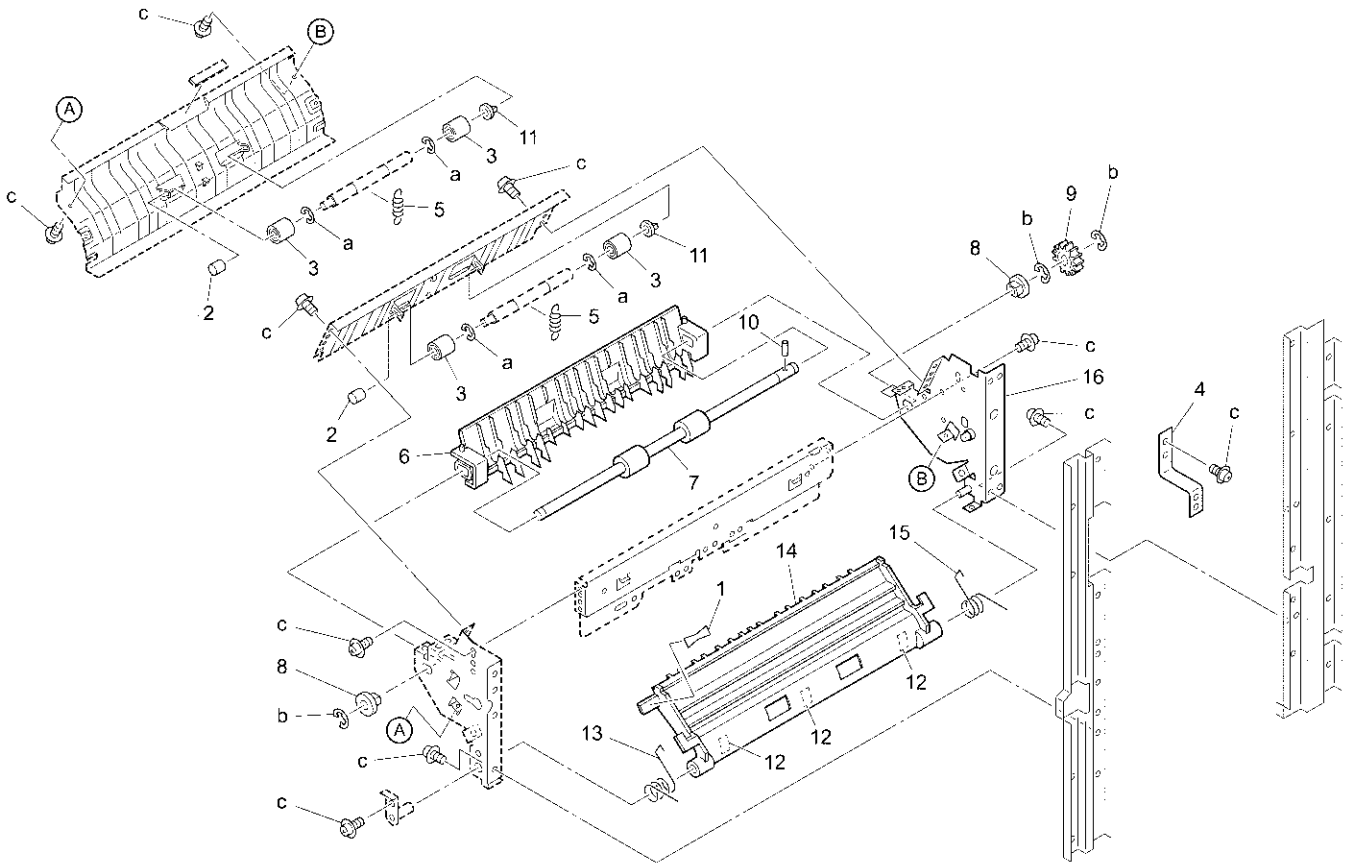
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA50210 | Hinge plate/B |
| 2 | 059010620 | Magnet catch |
| 3 | 26NA51070 | Pressure roller/upper |
| 4 | 26TA-5080 | ADU reinforcing stay/rear assembly |
| 5 | 26NA50792 | ADU guide plate/upper |
| 6 | 26NA50011 | ADU cover |
| 7 | 26NA50290 | Pressure roller |
| 8 | 26NA51060 | Driven shaft holder |
| 9 | 552012250 | Roller/B |
| 10 | 26NA50900 | Reversing spring |
| 11 | 26NA50230 | Conveyance guide part/lower |
| 12 | 26NA50811 | Conveyance guide plate/lower |
| 13 | 26NA50991 | Conveyance sheet |
| 14 | 26NA51020 | Conveyance sheet/front |
| 15 | 26NA51090 | Driven shaft holder/lower |
| 16 | 26NA-5024 | High voltage casing/B assembly |
| 17 | 26NA50522 | High voltage casing/A |
| 18 | 26NA51110 | Open-close knob |
| 19 | 26NA51720 | Insulating sheet/2 |
| 20 | 26NA50971 | Insulating sheet |
| 21 | 26NA50963 | ADU lock claw |
| 22 | 26NA50330 | Conveyance lock spring |
| 23 | 26NA50630 | Shaft holder part/upper |
| 24 | 466078010 | Pin A |
| 25 | 26NA50890 | Conveyance pressure spring |
| 26 | 26NA50721 | ADU positioning pin/front |
| 27 | 26NA50870 | ADU open-close actuator |
| 28 | 26NA50840 | ADU reinforce stay/front |
| 29 | 26NA50640 | Shaft holder part/lower |
| 30 | 26NA50760 | Conveyance lock spring/lower |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z254081 |
| d | 00Z193061 |
| e | 00Z253081 |
| h | 00Z610401 |
| i | 00Z711146 |
| j | 00Z283061 |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA50450 | Driving belt (L=300) |
| 2 | 26NA50430 | Conveyance pulley/B (Z=28) |
| 3 | 26NA50370 | Idler pulley (Z=18) |
| 4 | 26WA90330 | Wiring/3 |
| 5 | 26NA50420 | Conveyance pulley/A (Z=28) |
| 6 | 26NA50340 | Reversal sheet |
| 7 | 508053460 | Paper exit slide shaft holder |
| 8 | 26NA50150 | Reversal gear (Z=29) |
| 9 | 26NA50170 | ADU idler gear (Z=23/38) |
| 10 | 26WA50160 | Motor gear (Z=24) |
| 11 | 26NA80041 | Cassette driving motor |
| 12 | 26NA51030 | Tension spring |
| 13 | 113620600 | Pin (A) |
| 14 | 56GA80060 | HB motor/40 |
| 15 | 26NA50240 | ADU guide roller |
| 16 | 26NA50031 | Guide part/lower |
| 17 | 26NA50710 | Lift-up spring/front |
| 18 | 26NA50400 | Lift-up spring |
| 19 | 26NA50110 | Reversal roller |
| 20 | 26NA50920 | Reversal spacer |
| 21 | 26NA50021 | Guide part/middle |
| 22 | 56AA85510 | Photosensor |
| 23 | 56GA73430 | Motor fixing part/1 |
| 24 | 26NA50071 | Reversal actuator |
| 25 | 26NA50360 | Conveyance guide spring |
| 26 | 26NA97450 | Lever indication label/3 |
| 27 | 466076020 | Paper feeding shaft holder |

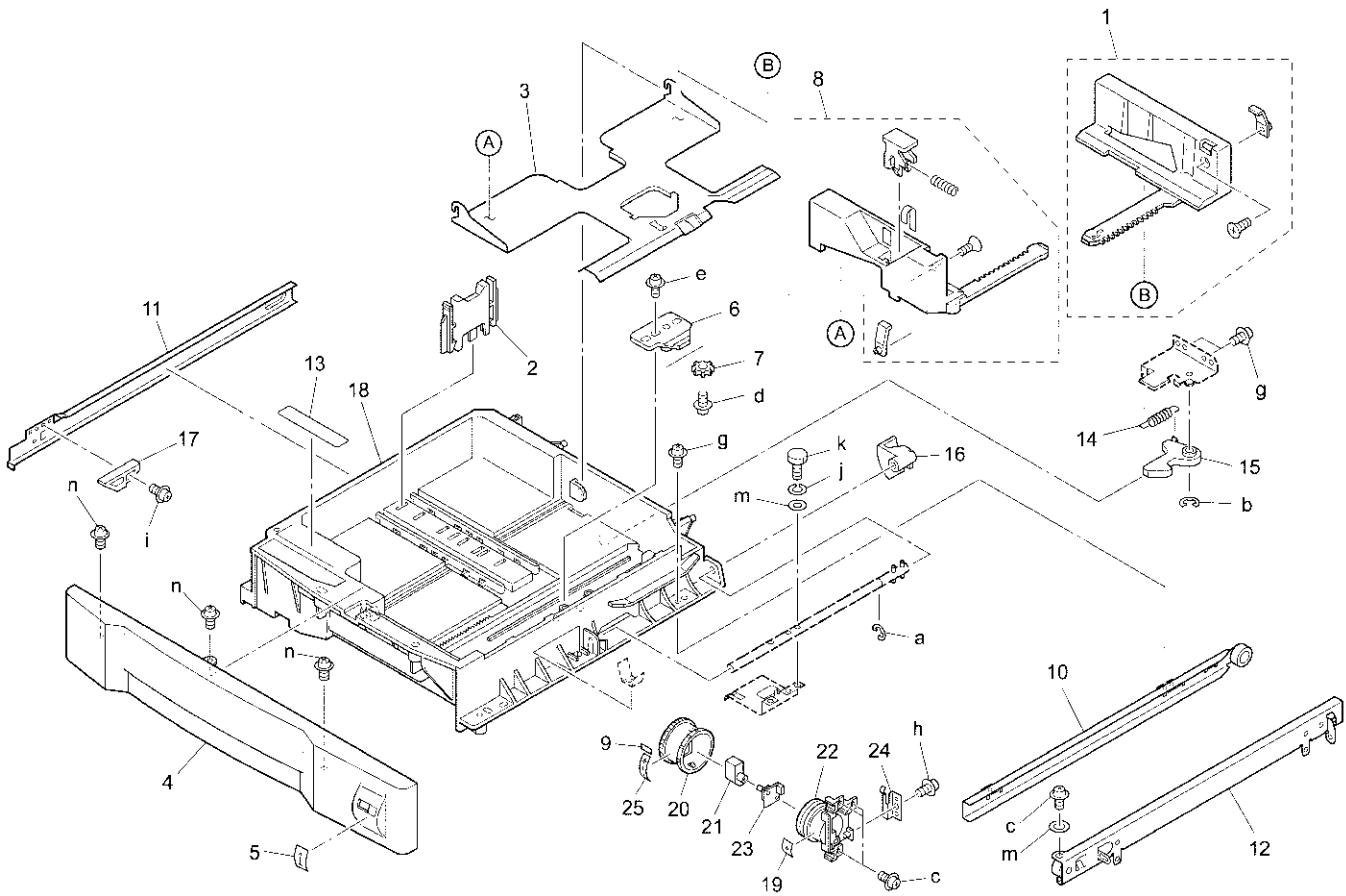
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z253081 |
| c | 00Z193061 |
| d | 00Z163061 |
| e | 00Z193201 |
| f | 00Z193101 |
| g | 00Z283061 |
| h | 00Z113051 |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA97370 | Open-close label/upper |
| 2 | 552012250 | Roller/B |
| 3 | 26NA50290 | Pressure roller |
| 4 | 26NA50780 | ADU open-close belt |
| 5 | 26NA50890 | Conveyance pressure spring |
| 6 | 26NA50671 | Paper guide part/upper |
| 7 | 26NA42021 | Manual feed conveyance roller |
| 8 | 26NA40820 | Paper feed slide shaft holder |
| 9 | 26NA42061 | Manual feed conveyance gear (Z=21) |
| 10 | 304078040 | Pin B |
| 11 | 26NA51060 | Driven shaft holder |
| 12 | 26NA50910 | Slide sheet |
| 13 | 26NA50540 | Open-close spring/front |
| 14 | 26NA50061 | Paper guide part/lower |
| 15 | 26NA50550 | Open-close spring/rear |
| 16 | 26NA-5151 | ADU conveyance panel assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670606 |
| c | 00Z193061 |

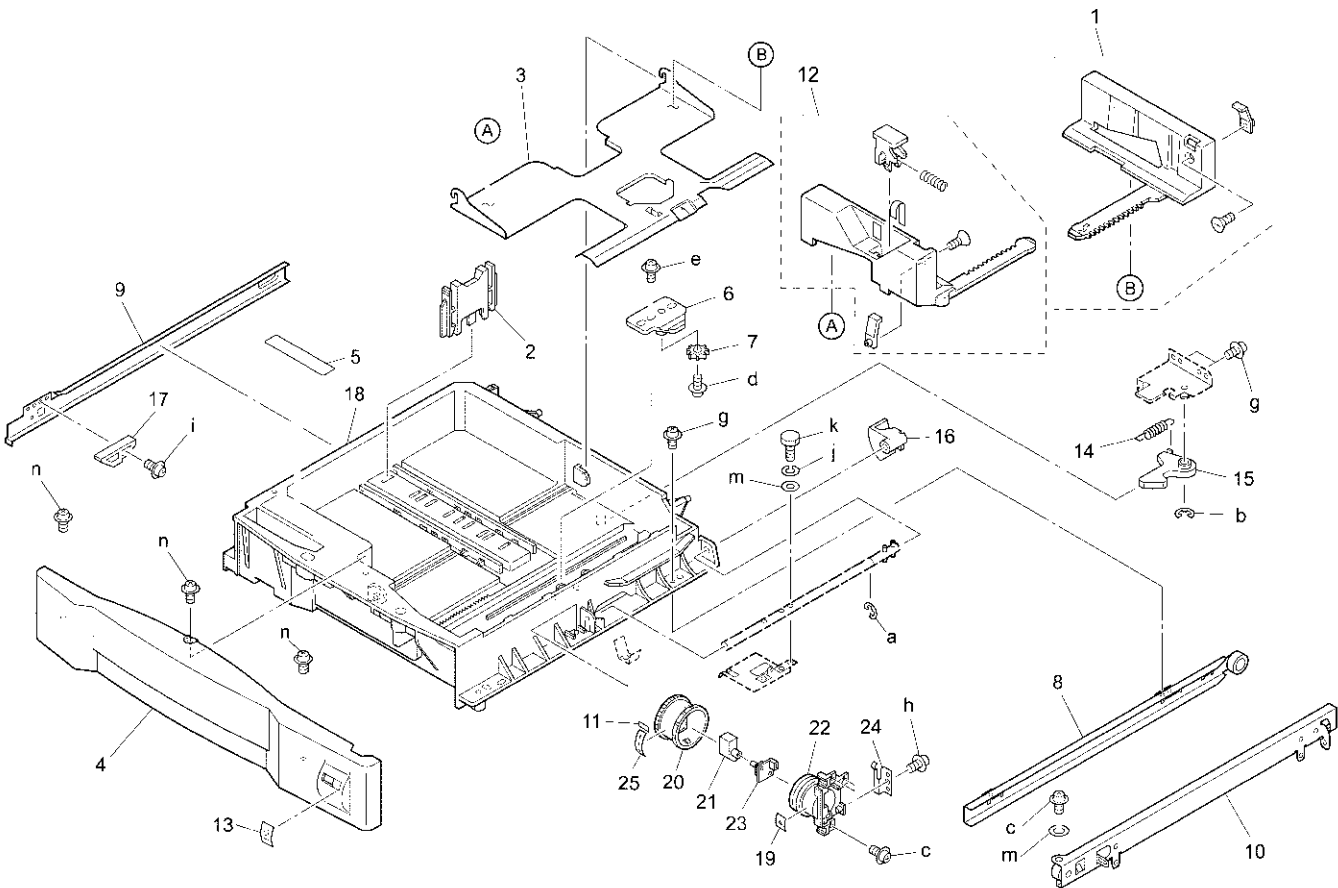
Upper Cassette



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA-4730 | Side regulating/rear assembly |
| 2 | 26NA47040 | Paper regulating plate/left |
| 3 | 26NA-4740 | Lift-up bottom plate assembly |
| 4 | 26WA47010 | Cassette base/upper |
| 5 | 26NA97390 | Cassette indication label/1 |
| 6 | 40AA47130 | Adjusting plate |
| 7 | 40AA77290 | Pinion (Z=16) |
| 8 | 26NA-4721 | Side regulating/front assembly |
| 9 | 26NA47381 | Fixing seal |
| 10 | 26WA-4420 | Cassette rail/2 assembly |
| 11 | 26NA10070 | Cassette rail/left |
| 12 | 26WA-4410 | Cassette rail/1 assembly |
| 13 | 26NA97310 | Paper supply label |
| 14 | 26NA47390 | Cassette fixed spring |
| 15 | 25BA47461 | Cassette positioning catch/U |
| 16 | 26NA47291 | Cassette remained detecting actuator |
| 17 | 26NA47350 | Cassette stopper |
| 18 | 26WA47210 | Cassette stay/upper |
| 19 | 26NA97300 | Cassette click label |
| 20 | 26NA47260 | Paper feed indication plate/front |
| 21 | 26NA47240 | Cassette detecting connector |
| 22 | 26NA47250 | Cassette detecting base |
| 23 | 26NA-9200 | Size detecting board assembly |
| 24 | 26NA47280 | Spring lock plate |
| 25 | 26NE97280 | Cassette indication label/upper |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z193061 |
| d | 00Z254081 |
| e | 00Z254121 |
| g | 00Z283061 |
| h | 00Z253081 |
| i | 00Z183061 |
| j | 00Z620301 |
| k | 00Z463103 |
| m | 00Z610301 |
| n | 00Z254101 |

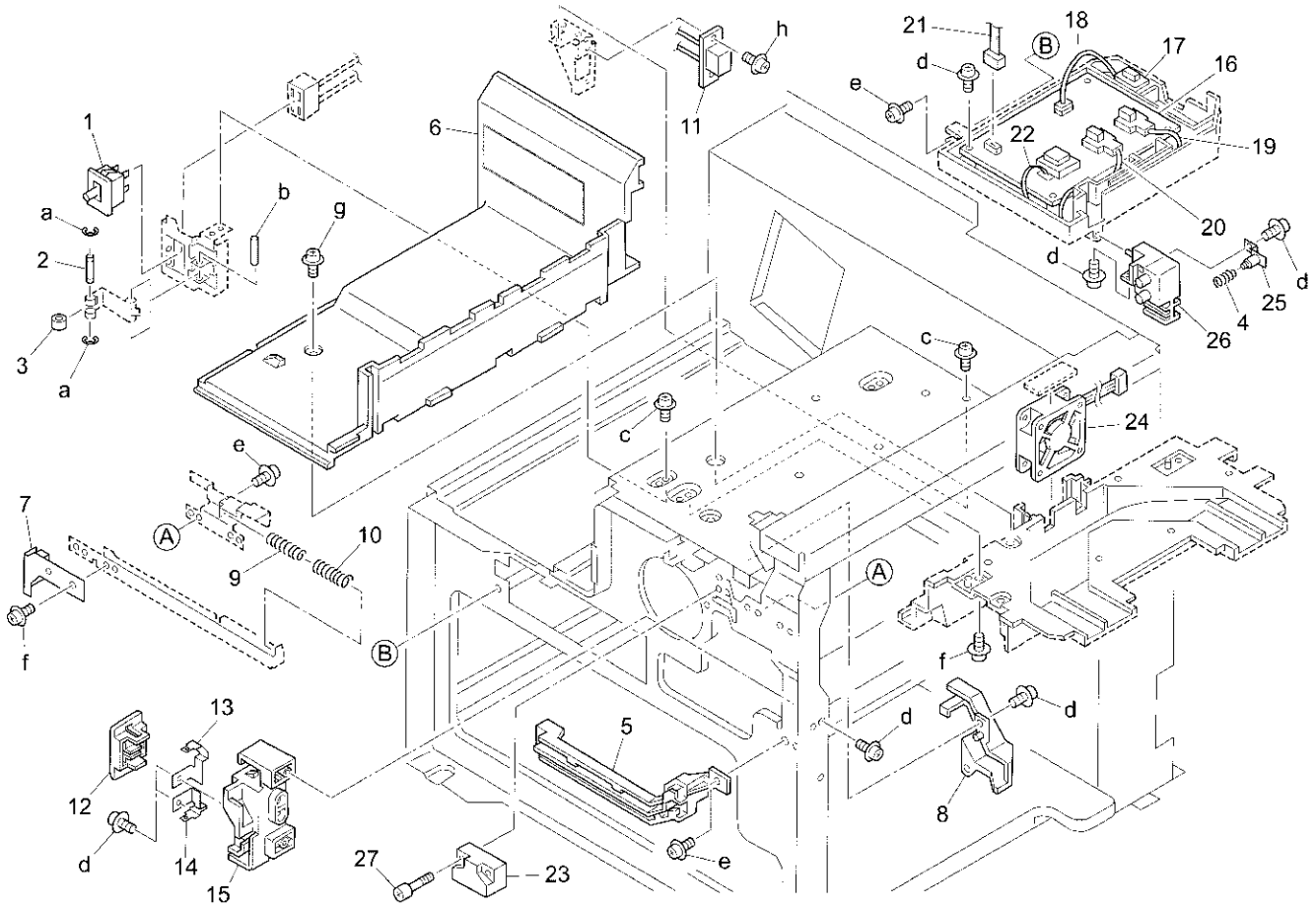
Lower Cassette



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA-4730 | Side regulating/rear assembly |
| 2 | 26NA47040 | Paper regulating plate/left |
| 3 | 26NA-4740 | Lift-up bottom plate assembly |
| 4 | 26WA47020 | Cassette base/lower |
| 5 | 26NA97310 | Paper supply label |
| 6 | 40AA47130 | Adjusting plate |
| 7 | 40AA77290 | Pinion (Z=16) |
| 8 | 26WA-4420 | Cassette rail/2 assembly |
| 9 | 26NA10070 | Cassette rail/left |
| 10 | 26WA-4410 | Cassette rail/1 assembly |
| 11 | 26NA47381 | Fixing seal |
| 12 | 26NA-4721 | Side regulating/front assembly |
| 13 | 26NA97400 | Cassette indication label/2 |
| 14 | 26NA47390 | Cassette fixed spring |
| 15 | 25BA47461 | Cassette positioning catch/U |
| 16 | 26NA47291 | Cassette remained detecting actuator |
| 17 | 26NA47350 | Cassette stopper |
| 18 | 26WA47220 | Cassette stay/lower |
| 19 | 26NA97300 | Cassette click label |
| 20 | 26NA47260 | Paper feed indication plate/front |
| 21 | 26NA47240 | Cassette detecting connector |
| 22 | 26NA47250 | Cassette detecting base |
| 23 | 26NA-9200 | Size detecting board assembly |
| 24 | 26NA47280 | Spring lock plate |
| 25 | 26NE97290 | Cassette indication label/lower |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z193061 |
| d | 00Z254081 |
| e | 00Z254121 |
| g | 00Z283061 |
| h | 00Z253081 |
| i | 00Z183061 |
| j | 00Z620301 |
| k | 00Z463103 |
| m | 00Z610301 |
| n | 00Z254101 |

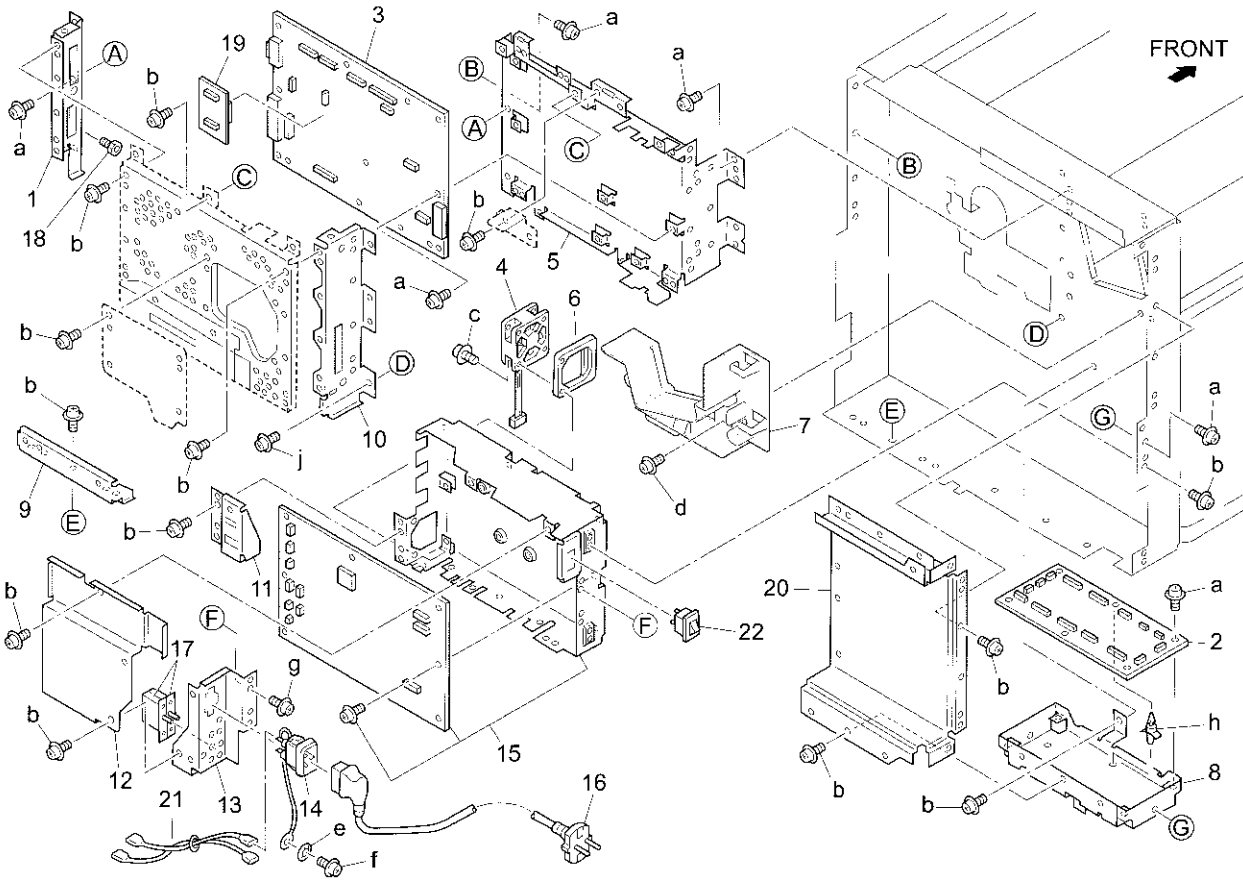
Electric Parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 40AA85010 | Door switch |
| 2 | 25HA73200 | Switch guide shaft |
| 3 | 25HA73210 | Switch guide roller |
| 4 | 26NA73251 | Electrode connecting spring/A |
| 5 | 26NA73200 | Wiring support part |
| 6 | 26NA73331 | Fan cover |
| 7 | 26NA73070 | Switch pressure plate |
| 8 | 26NA73061 | Cord cover |
| 9 | 25HA73131 | Switch spring/B |
| 10 | 25HA73121 | Switch spring/A |
| 11 | 26NA90060 | Fixing relay wiring |
| 12 | 26NA73500 | High voltage cover plate/A |
| 13 | 26NA73131 | Connecting plate/A |
| 14 | 26NA73471 | Connecting plate/C |
| 15 | 26NA73151 | Contact support plate |
| 16 | 26NA84011 | High voltage power source |
| 17 | 26NA88030 | Sensor |
| 18 | 26NA90320 | Relay wiring/2 |
| 19 | 26NA90360 | High voltage wiring/1 |
| 20 | 26NA90370 | High voltage wiring/2 |
| 21 | 26NA90280 | High voltage relay wiring |
| 22 | 26NA90380 | High voltage wiring/3 |
| 23 | 26TA90080 | Drum relay wiring |
| 24 | 26NA80510 | Main fan motor |
| 25 | 26NA-7510 | High voltage connecting plate/B assembly |
| 26 | 26NA73510 | Contact support plate/B |
| 27 | 066079020 | Drawer |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z713206 |
| c | 00Z193041 |
| d | 00Z253081 |
| e | 00Z283061 |
| f | 00Z193061 |
| g | 00Z193062 |
| h | 00Z194081 |

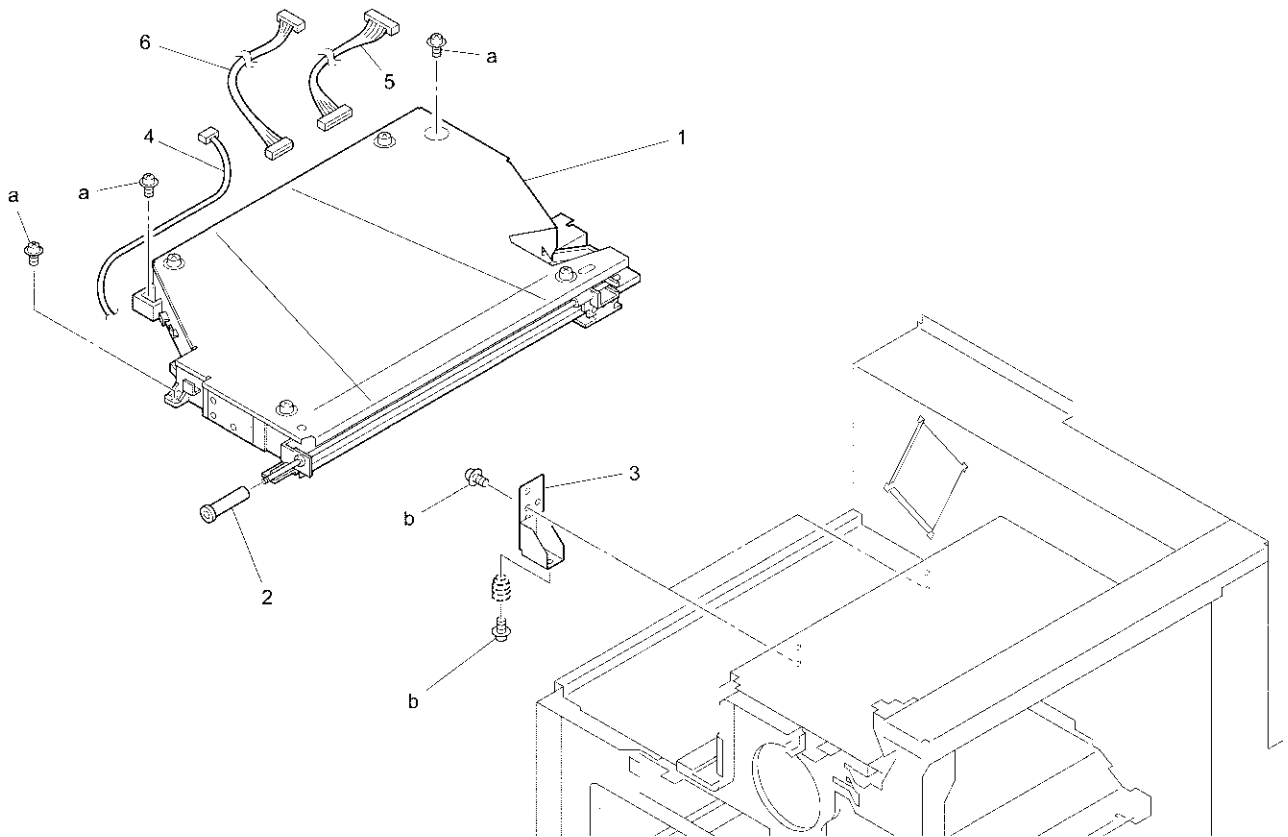
Electric Parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26NA73241 | Board cover plate/B |
| 2 | 26TA-9021 | Main driving board assembly |
| 3 | 26WA-9300 | System control board unit (7022) |
| 3 | 26XA-9300 | System control board unit (7130) |
| 4 | 26NA80510 | Main fan motor |
| 5 | 26NA73011 | Board mount plate |
| 6 | 26NA73610 | Fan spacer |
| 7 | 26NA73021 | Protect cover |
| 8 | 26NA73380 | Board mount plate/B |
| 9 | 26NA73420 | Board mount plate/C |
| 10 | 26NA73260 | Board cover plate/C |
| 11 | 26NA73290 | Wiring mount plate/A |
| 12 | 26NA73460 | Power source cover plate |
| 13 | 26NA73410 | Cord mount plate |
| 14 | 26NA-7520 | Power socket assembly |
| 15 | 26NA84511 | DC power source/1 |
| 16 | 26NE88610 | Power source cord |
| 17 | 26NA88460 | Circuit breaker |
| 18 | 26NA73570 | Contact fixing screw/A |
| 19 | 26NA-9110 | Parameter memory board assembly |
| 20 | 26NA73280 | Board cover/D |
| 21 | 26NA90110 | AC power source wiring |
| 22 | 55GA86010 | Power source switch |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193041 |
| b | 00Z193061 |
| c | 00Z193351 |
| d | 00Z283061 |
| e | 00Z630406 |
| f | 00Z184065 |
| g | 00Z164081 |
| h | 00Z925104 |
| j | 00Z183043 |

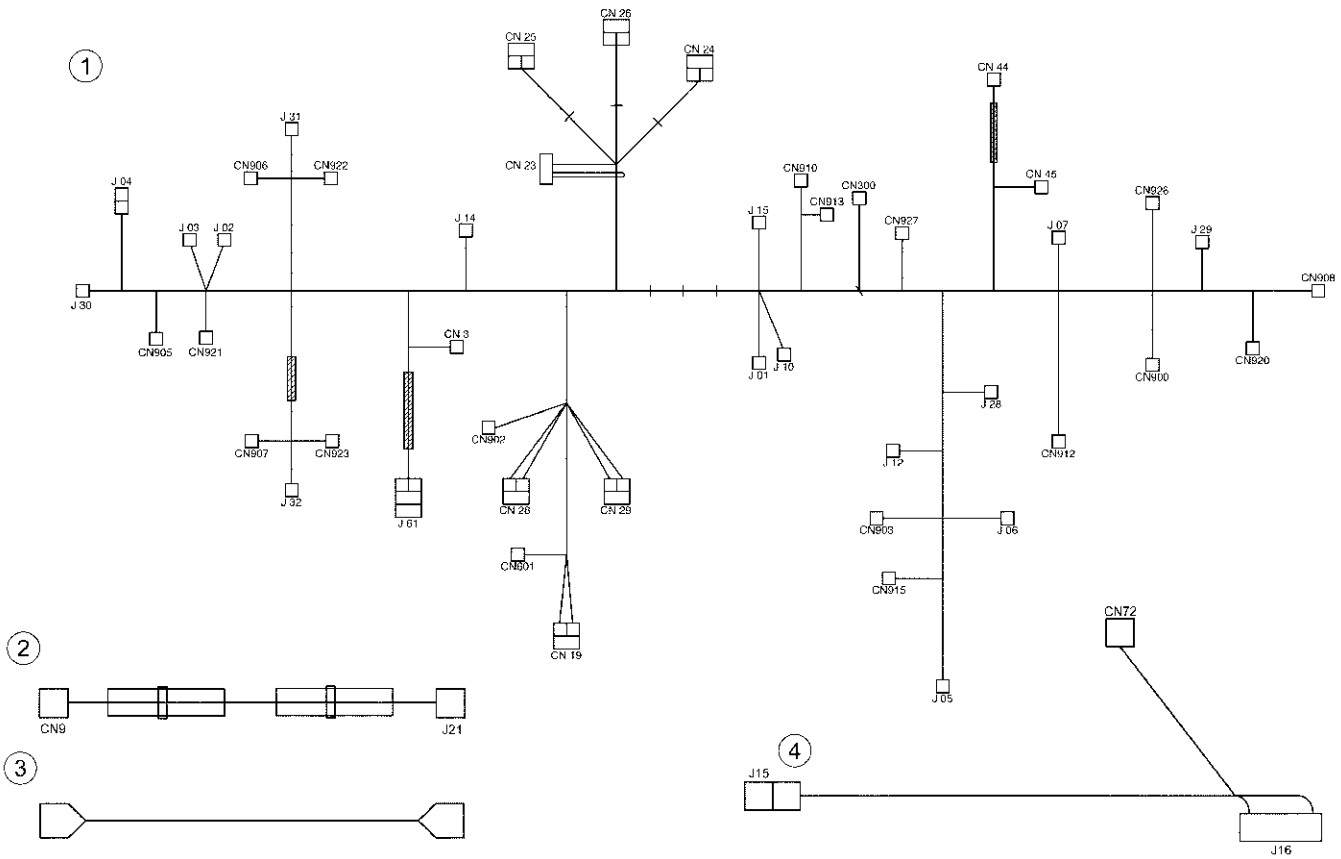
Writing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------|
| 1 | 26WA-6500 | Writing unit |
| 2 | 26NA65260 | Writing cleaner knob |
| 3 | 26NA65280 | Writing mount part |
| 4 | 26NA90240 | INDEX driving wiring |
| 5 | 26NA90390 | LD relay wiring/2 |
| 6 | 26NA90180 | Polygon relay wiring |

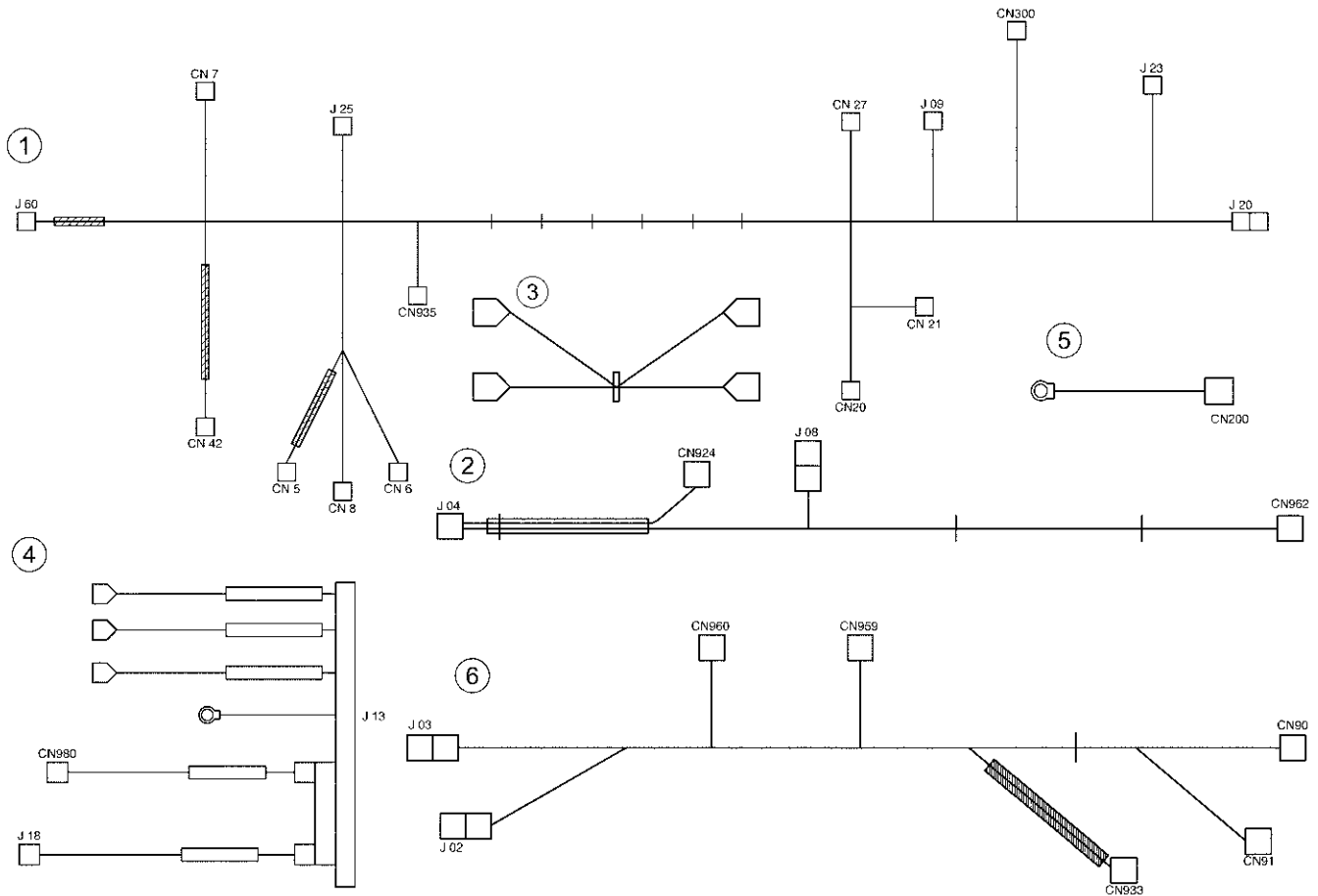
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z163101 |
| b | 00Z193061 |

Wiring



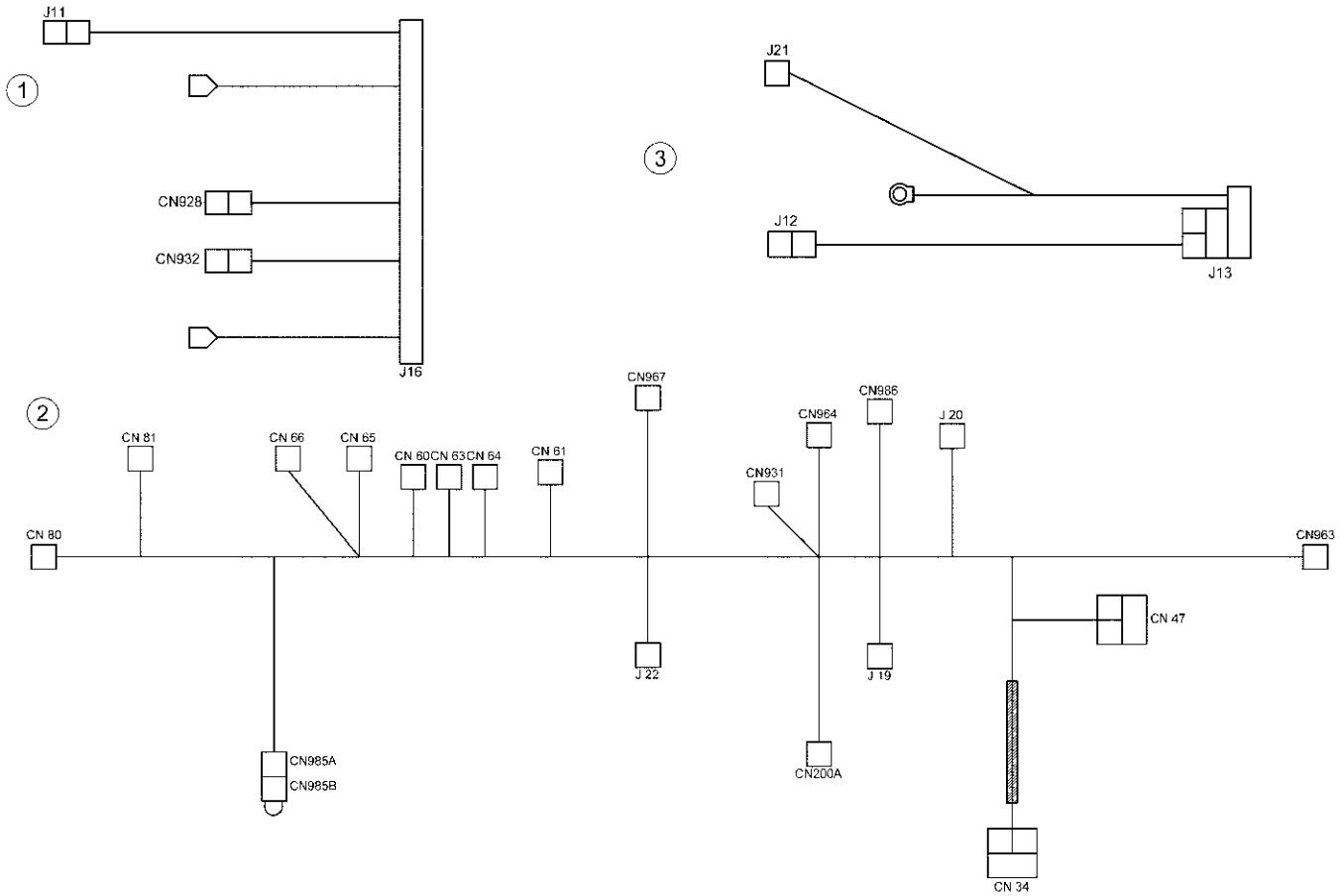
| REF. NO. | PART NUMBER | DESCRIPTION |
|-------------|-------------|---------------------|
| 1 | 26WA90010 | Main body wiring |
| 2 | 26NA90021 | Heater relay wiring |
| 3 | 26NA90040 | Fuse cord/1 |
| 4 | 26TA90080 | Drum relay wiring |

Wiring



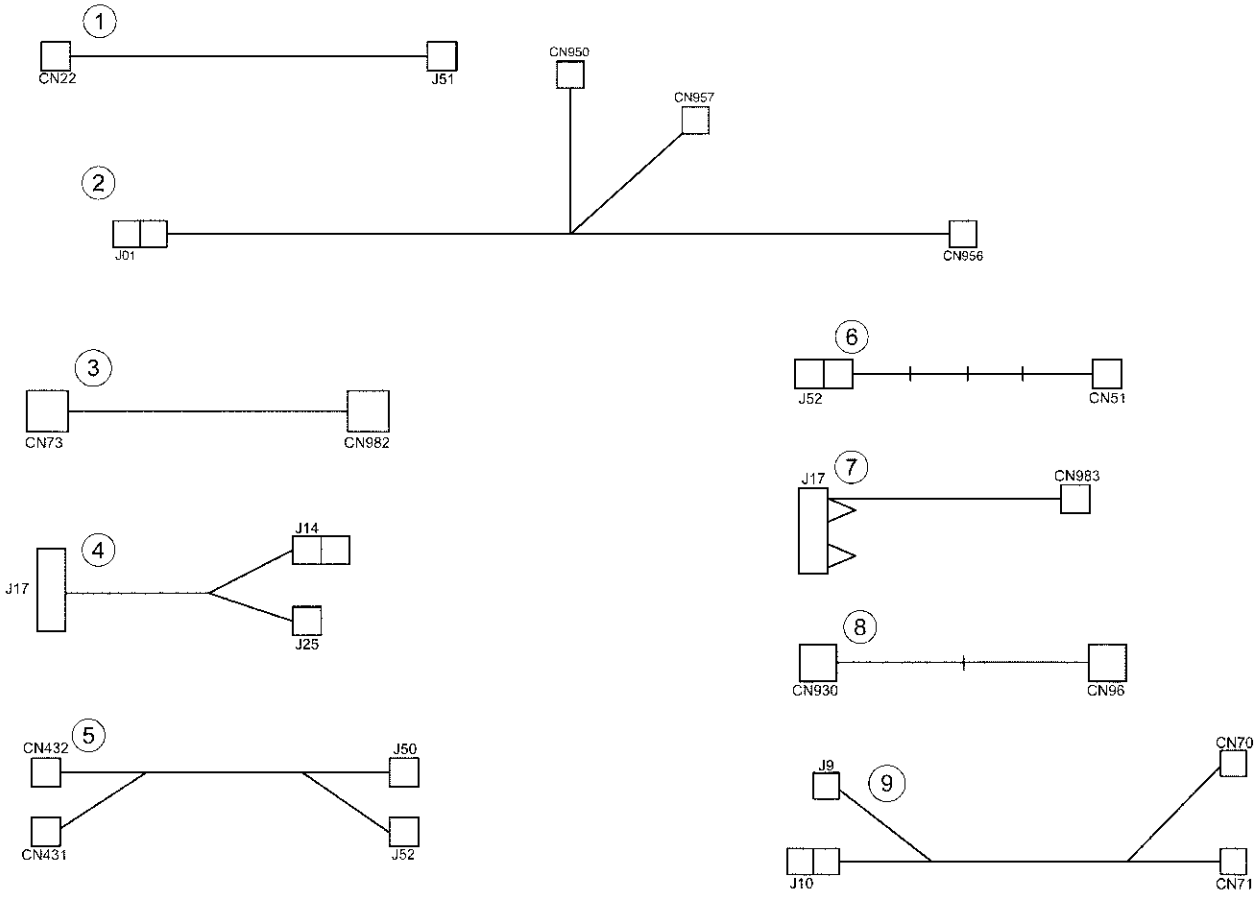
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | 26WA90030 | DC power source wiring |
| 2 | 26WA90140 | Bypass feed wiring |
| 3 | 26NA90110 | AC power source wiring |
| 4 | 26WA90050 | Fixing powering wiring |
| 5 | 26NA90420 | Option wiring/1 |
| 6 | 26WA90130 | Paper feed wiring/lower |

Wiring



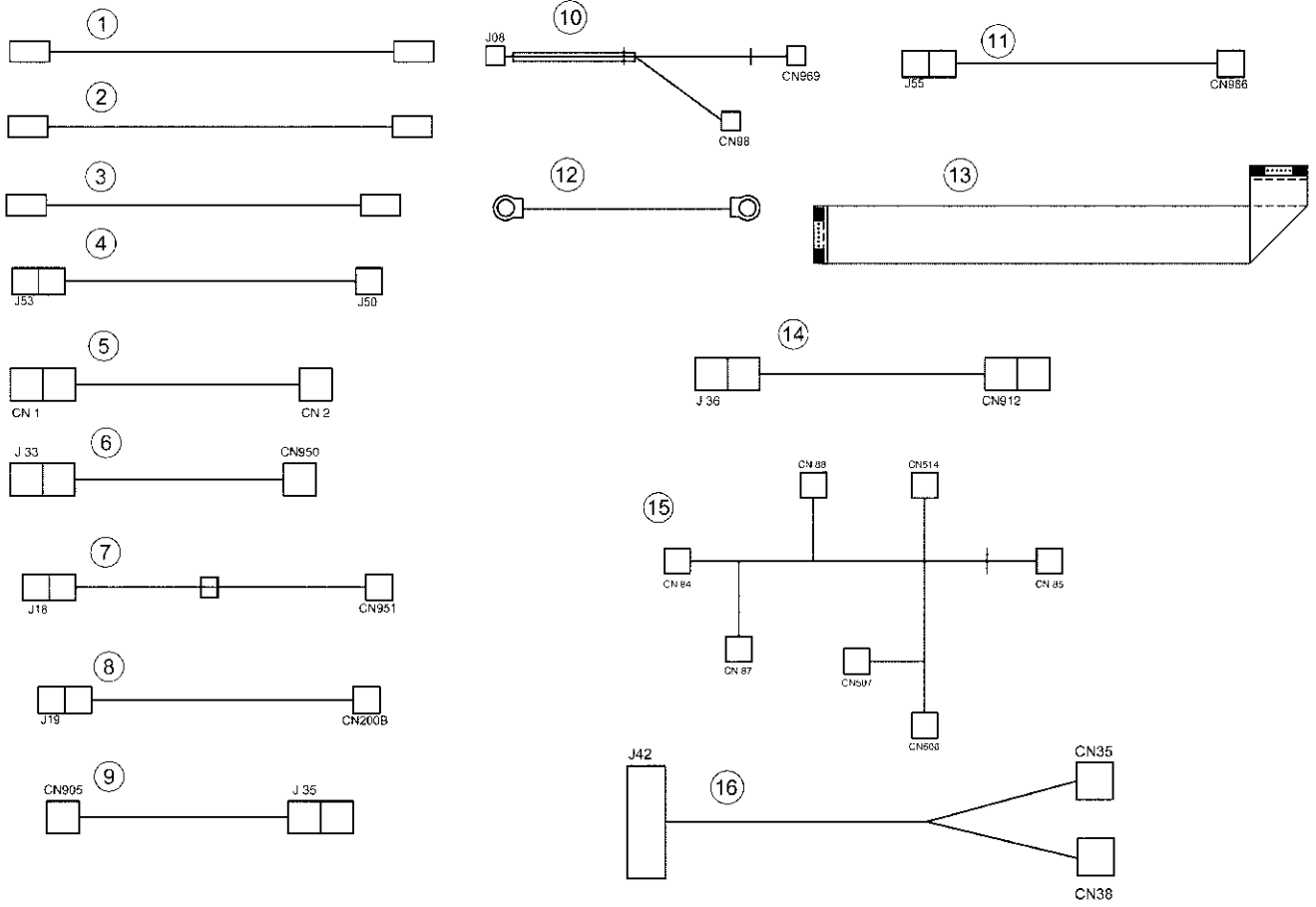
| REF. NO. | PART NUMBER | DESCRIPTION |
|-------------|-------------|---------------------|
| 1 | 26TA90070 | Drum wiring |
| 2 | 26WA90090 | Optics wiring |
| 3 | 26NA90060 | Fixing relay wiring |

Wiring



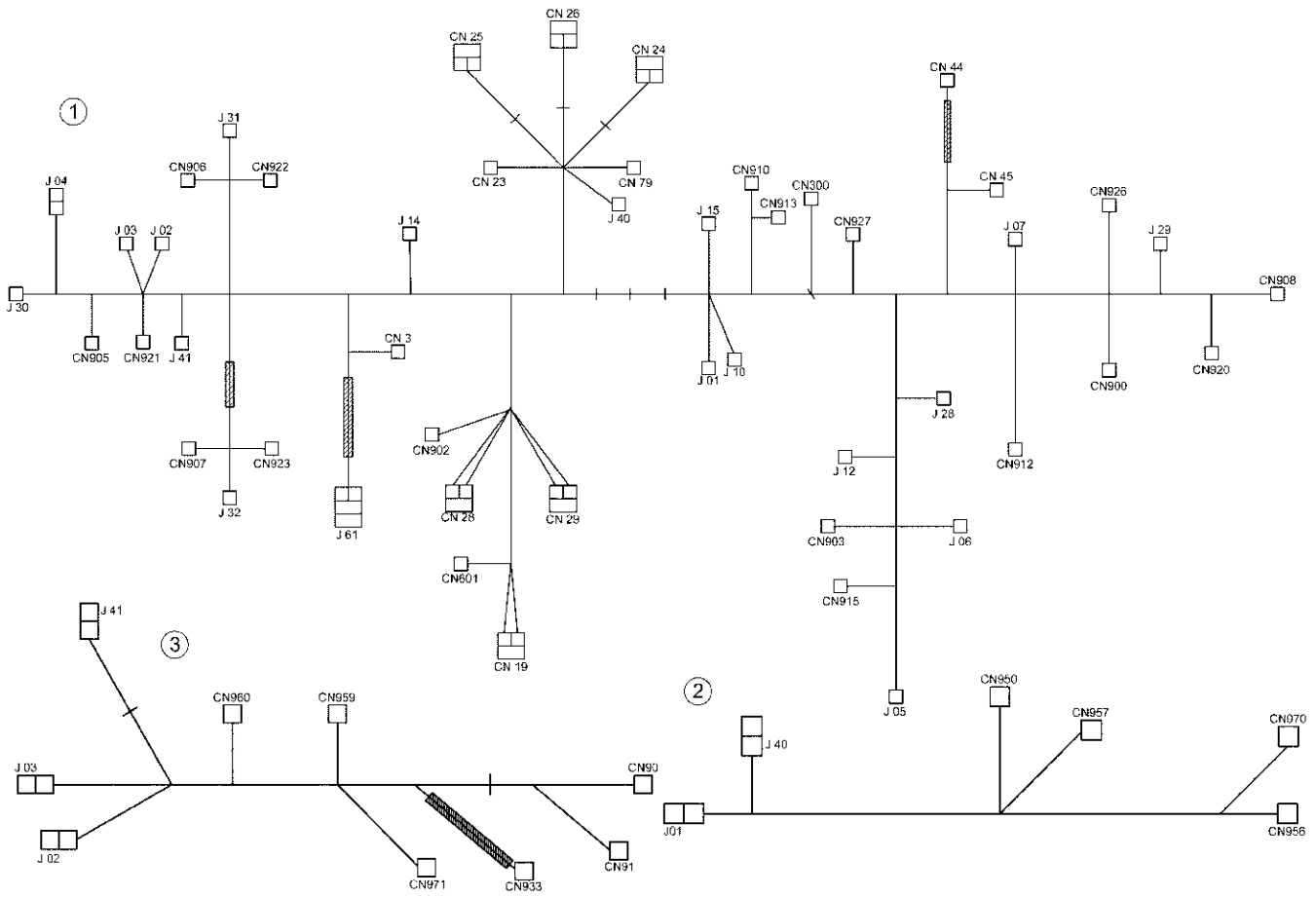
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------|
| 1 | 26NA90180 | Polygon relay wiring |
| 2 | 26WA90120 | Paper feed wiring/upper |
| 3 | 26NA90320 | Relay wiring/2 |
| 4 | 26TA90340 | Developing relay wiring |
| 5 | 26NA90230 | LD relay wiring/1 |
| 6 | 26NA90240 | INDEX driving wiring |
| 7 | 26TA90250 | Development wiring |
| 8 | 26NA90260 | Lamp relay wiring |
| 9 | 26NA90280 | High voltage relay wiring |

Wiring



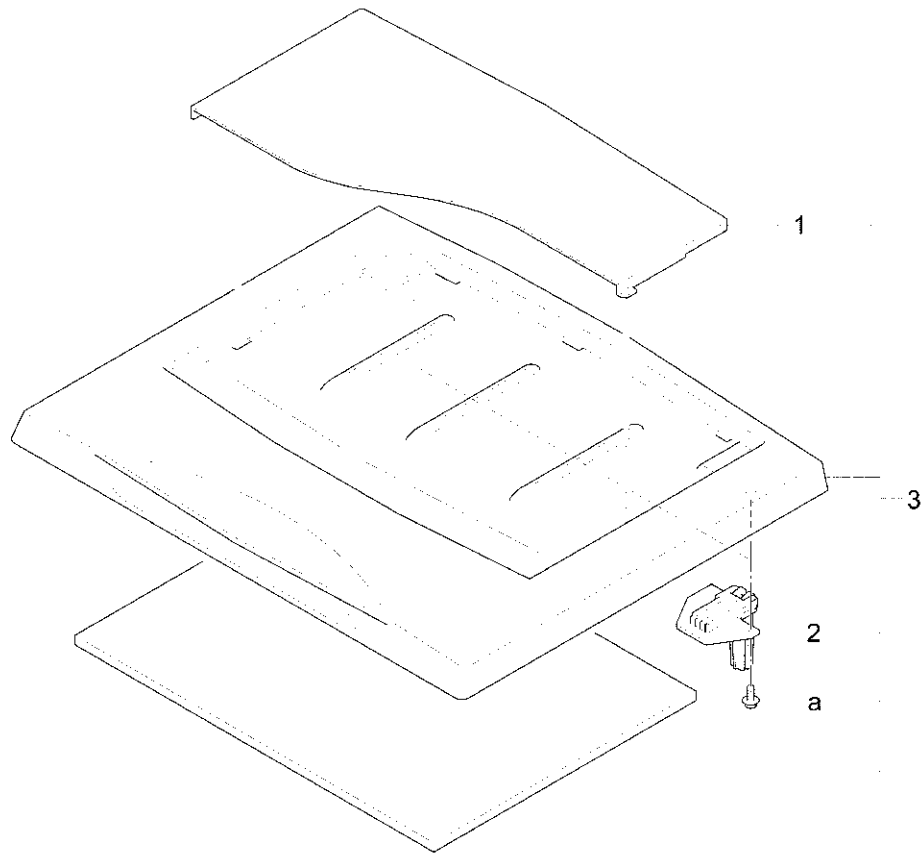
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA90360 | High voltage wiring/1 |
| 2 | 26NA90370 | High voltage wiring/2 |
| 3 | 26NA90380 | High voltage wiring/3 |
| 4 | 26NA90390 | LD relay wiring/2 |
| 5 | 26WA90330 | Sensor relay wiring /3 |
| 6 | 26WA90440 | Registration relay wiring |
| 7 | 26TA90490 | Fixing relay wiring/2 |
| 8 | 26NA90430 | Option relay wiring/2 |
| 9 | 26WA90520 | Motor relay wiring |
| 10 | 26NA90451 | Bypass feed detecting wiring |
| 11 | 26NA90460 | Total counter relay wiring |
| 12 | 26NA90470 | Paper exit ground wiring |
| 13 | 26NA90500 | A/D wiring |
| 14 | 26WA90530 | Relay wiring/2 |
| 15 | 26WA90160 | Operation unit wiring/2 |
| 16 | 26TA90520 | Paper exit driving wiring |

Wiring



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | 26XA90010 | Main body wiring |
| 2 | 26XA90120 | Paper feed wiring/upper |
| 3 | 26XA90130 | Paper feed wiring/lower |

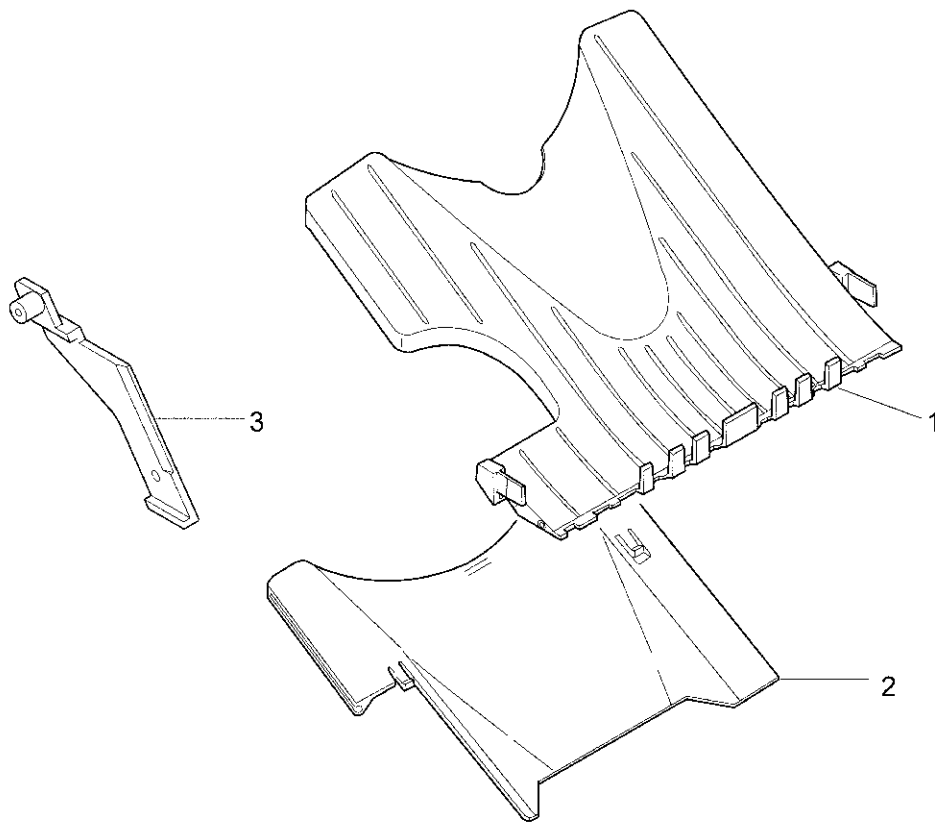
Platen Cover (CV-109)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | 13HL14070 | Original cover/upper |
| 2 | 13HL14040 | Original cover hinge |
| 3 | 13HL-1400 | Original cover assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z254101 |

Finisher Output Tray (FT-107)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------|
| 1 | 13GQ48010 | Paper exit tray/A |
| 2 | 13GQ48020 | Paper exit tray/B |
| 3 | 13GS10010 | Support part |

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| ADF guide block | 11 | 10 | Cartridge cover/front | 21 | 20 | Cleaner pressure spring | 55 | 11 |
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Konica

PARTS CATALOG

Models
7020/7025/7030

DECEMBER 2000
CMPC-7020/7025/7030

KONICA BUSINESS TECHNOLOGIES, INC.

How to use this catalog

This parts catalog includes illustrations and part numbers for all replacement parts and assemblies used in this model.

Model-specific parts are identified in the illustrations with reference numbers. Use the reference number to locate the corresponding part number on the facing page.

Common hardware items, such as screws, nuts, washers, and pins, are identified in the illustrations with reference letters. Use the reference letter to locate the corresponding part number on the hardware listing in the lower right hand corner of the facing page.

If you know a part number, but don't know where the part is used, use the numerical index to determine the page number and reference number for that part. Because some common parts are used in several places, there may be more than one entry. Refer to the illustrations to see where the part may be used.

If you know a part's description, but don't know where to look to find the part number, use the alphabetical index to determine likely page and reference numbers. Then look at the illustrations to determine that you have identified the correct part. Locate the part number using the listing on the opposite page.

Retail pricing that appears with the numerical index, while valid when this catalog was printed, is subject to change without notice. The prices are only suggested prices and are provided only for reference. Dealers may determine their own selling prices. For up-to-date pricing, refer to current Konica price lists or contact the Konica Parts Distribution Center.

How to order parts

Use standard Konica parts ordering procedures to obtain these parts. For ordering options, contact Konica's Parts Distribution Center.

When ordering parts, be sure to specify part numbers exactly as listed in this catalog.

NOTE: Electrical parts may include previously used components.

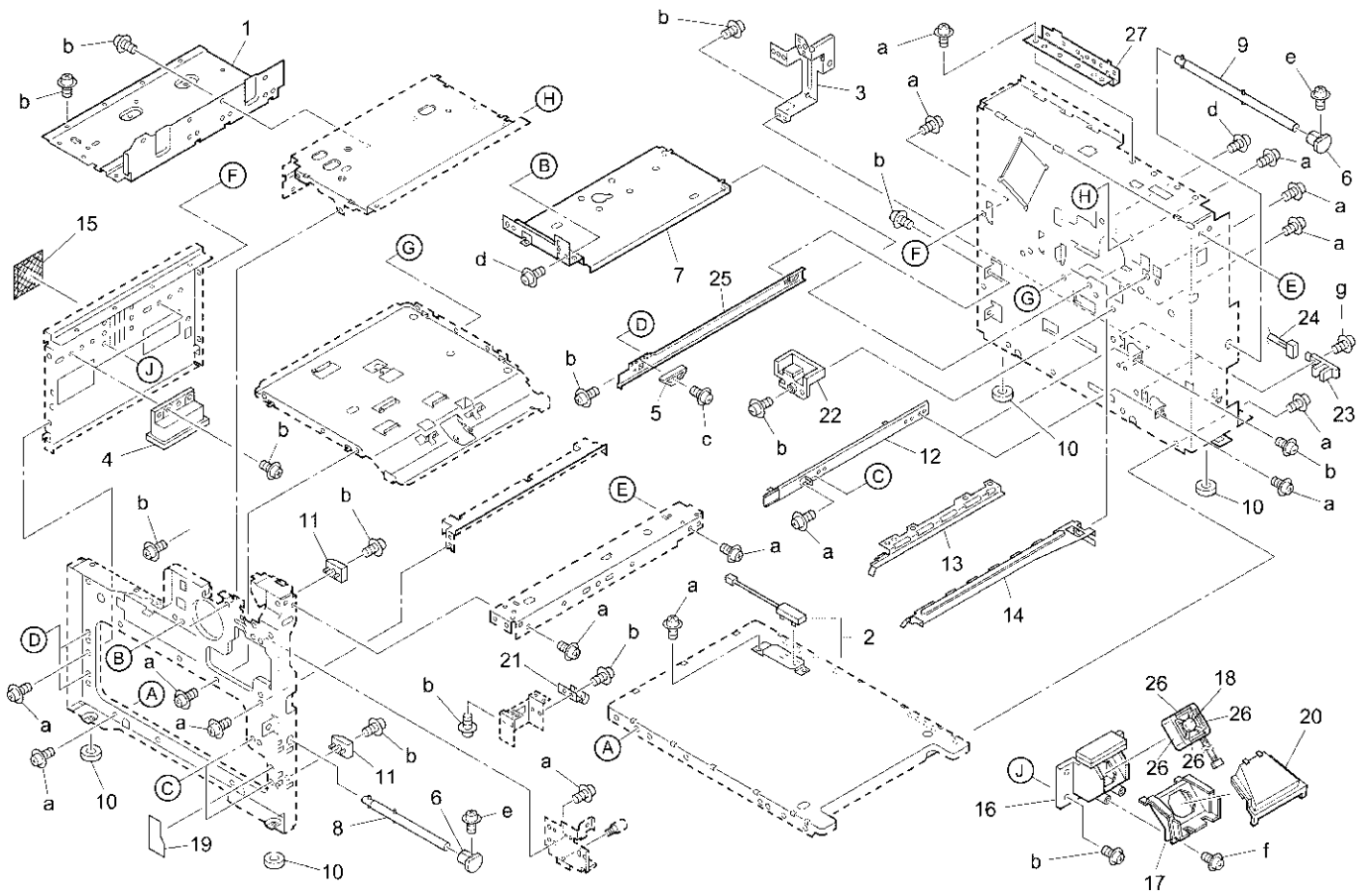
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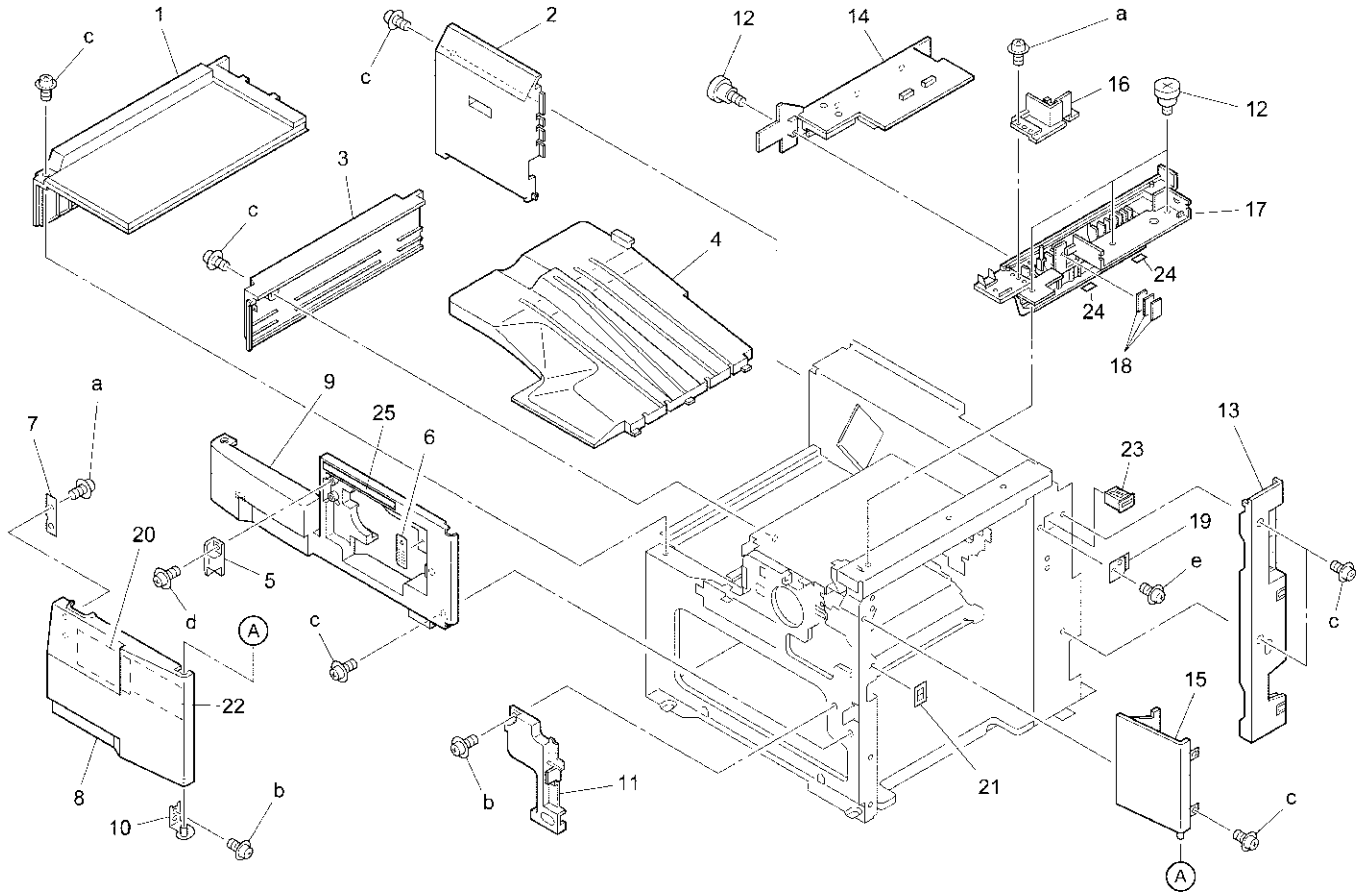
Main frame



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA10141 | Writing cover |
| 2 | 26NA-7560 | Heater assembly |
| 3 | 26NA10441 | Shaft support plate |
| 4 | 26NA12340 | Lift-up knob |
| 5 | 26NA47350 | Cassette stopper |
| 6 | 26NA10310 | Lift-up cover |
| 7 | 26NA10080 | Writing support plate/right |
| 8 | 26NA-1060 | Lift up shaft/front assembly |
| 9 | 26NA-1070 | Lift up shaft/rear assembly |
| 10 | 25HA10292 | Main setting rubber |
| 11 | 26NA10180 | Lock plate |
| 12 | 26NA10061 | Cassette rail/right |
| 13 | 26NA10350 | Rail/left |
| 14 | 26NA10360 | Rail/right |
| 15 | 26NA73680 | Dust proof filter |
| 16 | 26NA-7580 | Cooling cover/A assembly |
| 17 | 26NA-7590 | Cooling cover/B assembly |
| 18 | 26NA80510 | Main fan motor |
| 19 | 26NA73590 | Insulating sheet/A |
| 20 | 26NA-7600 | Cooling cover/C assembly |
| 21 | 40AA73360 | Rear ground plate |
| 22 | 26NA30791 | Dust proof cover |
| 23 | 552085510 | Photosensor |
| 24 | 26NA90330 | Sensor relay wiring/3 |
| 25 | 26NA10070 | Cassette rail/left |
| 26 | 26NA73730 | Dust proof seal/5 |
| 27 | 26NA73530 | Electrode mount plate/1 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z283061 |
| b | 00Z193061 |
| c | 00Z183061 |
| d | 00Z163061 |
| e | 00Z183082 |
| f | 00Z253121 |
| g | 00Z193101 |

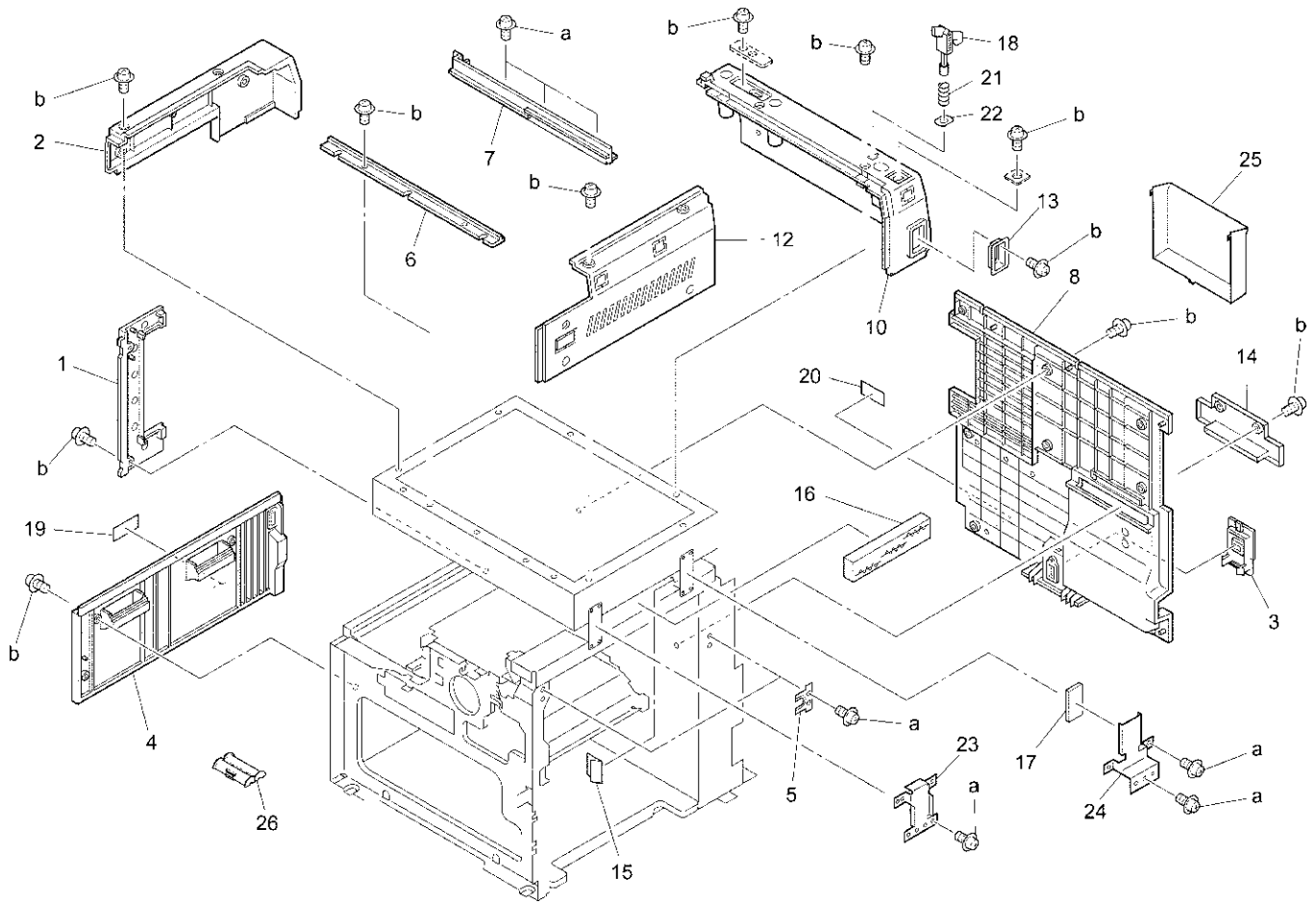
External parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------|
| 1 | 26NA12020 | Main cover/upper |
| 2 | 26NA12040 | Side cover/rear |
| 3 | 26NA12120 | Main auxiliary cover |
| 4 | 26NA12111 | Paper exit tray |
| 5 | 083020140 | Stopper plate |
| 6 | 26NE97181 | Laser caution label/3 |
| 7 | 26NA12400 | Magnet pressure plate |
| 8 | 26NE12080 | Front door/right |
| 9 | 26NA12011 | Main cover/front |
| 10 | 26NA-1220 | Fulcrum plate assembly |
| 11 | 26NA12350 | Cord cover/A |
| 12 | 26NA12430 | External fixed screw |
| 13 | 26NA12030 | Rear cover/right |
| 14 | 26NA-1310 | Paper exit cover assembly |
| 15 | 26NE12132 | Front cover/upper (7020) |
| 15 | 26PE12131 | Front cover/upper (7030) |
| 15 | 26SF12131 | Front cover/upper (7025) |
| 16 | 26NA12460 | Cover/F |
| 17 | 26NA12061 | Paper exit guide cover |
| 18 | 26NA12520 | Spacer/A |
| 19 | 26NA12440 | Side protection cover |
| 20 | 26NA97040 | Toner supply label |
| 21 | 26NE97140 | High voltage caution label |
| 22 | 26NA97830 | Toner supply label/2 |
| 23 | 26NE88310 | Total counter |
| 24 | 26NA51010 | Conveyance guide sheet |
| 25 | 26NE97820 | Toner supply caution label |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193061 |
| c | 00Z193062 |
| d | 00Z243081 |
| e | 00Z283061 |

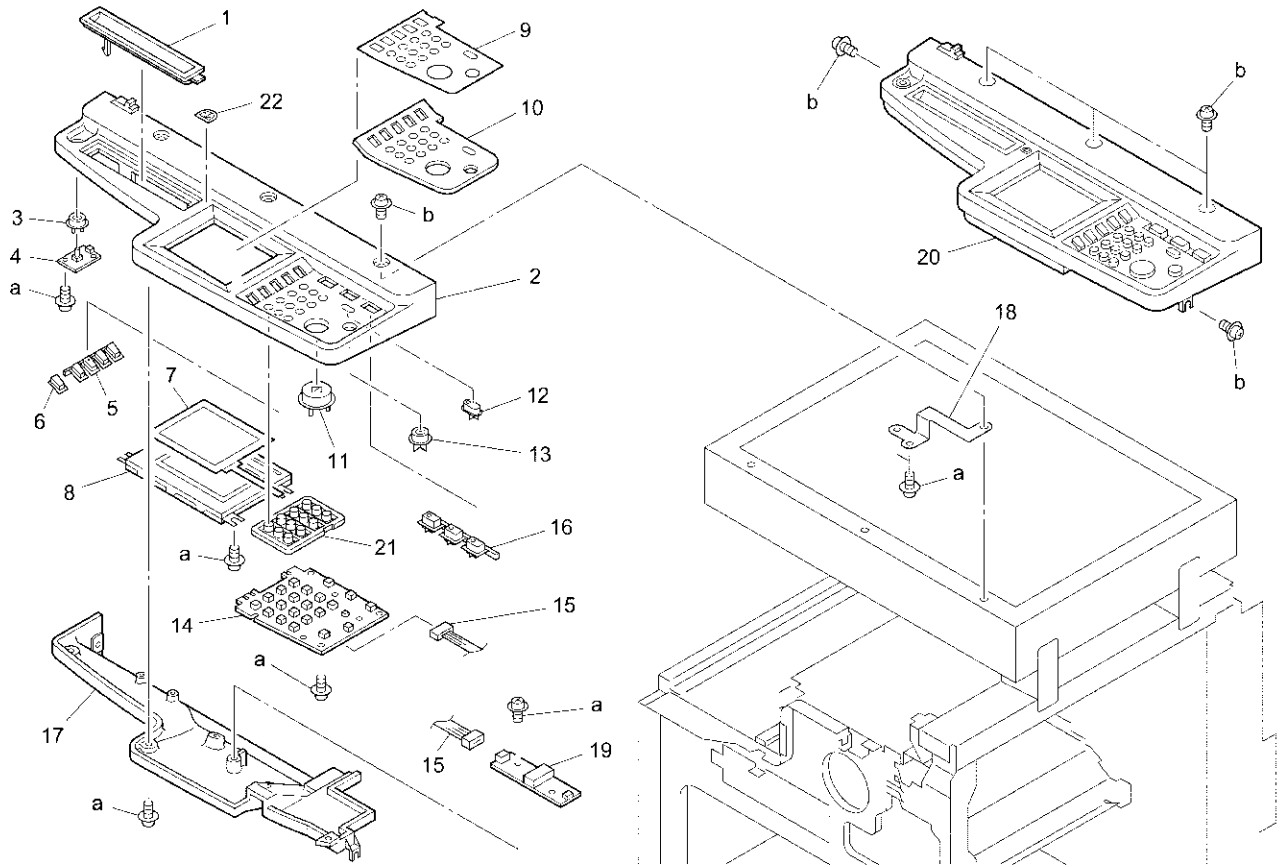
External parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 26NA12161 | Rear cover/left |
| 2 | 26NA12240 | Reading cover/left |
| 3 | 26NA12190 | Cord cover/B |
| 4 | 26NA12050 | Side cover/left |
| 5 | 26NA12420 | Shaft guide cover |
| 6 | 26NA12210 | Reading cover/front |
| 7 | 26NA12290 | Reading cover/lower |
| 8 | 26NA12071 | Rear cover |
| 9 | * | Not used |
| 10 | 26NA12231 | Reading cover/rear |
| 11 | * | Not used |
| 12 | 26NA-1260 | Reading/right external assembly |
| 13 | 26NA12450 | Cord cover/B |
| 14 | 26NA12180 | Cord cover/A |
| 15 | 26NA73780 | Dust proof sheet/C |
| 16 | 26NA10170 | Ozone filter |
| 17 | 26NA62290 | Wiring hold plate/2 |
| 18 | 26NA61820 | ADF detecting actuator |
| 19 | 26NA97080 | Laser indication label |
| 20 | 26NE97070 | Caution label |
| 21 | 26NA62130 | Detecting spring |
| 22 | 26NA12550 | Spring regulating sheet |
| 23 | 26NA62110 | Wiring guide plate/2 |
| 24 | 26NA62120 | Wiring guide plate/3 |
| 25 | 26NA12540 | Accessories holder panel |
| 26 | 26NA10460 | Stopper cover |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z193062 |

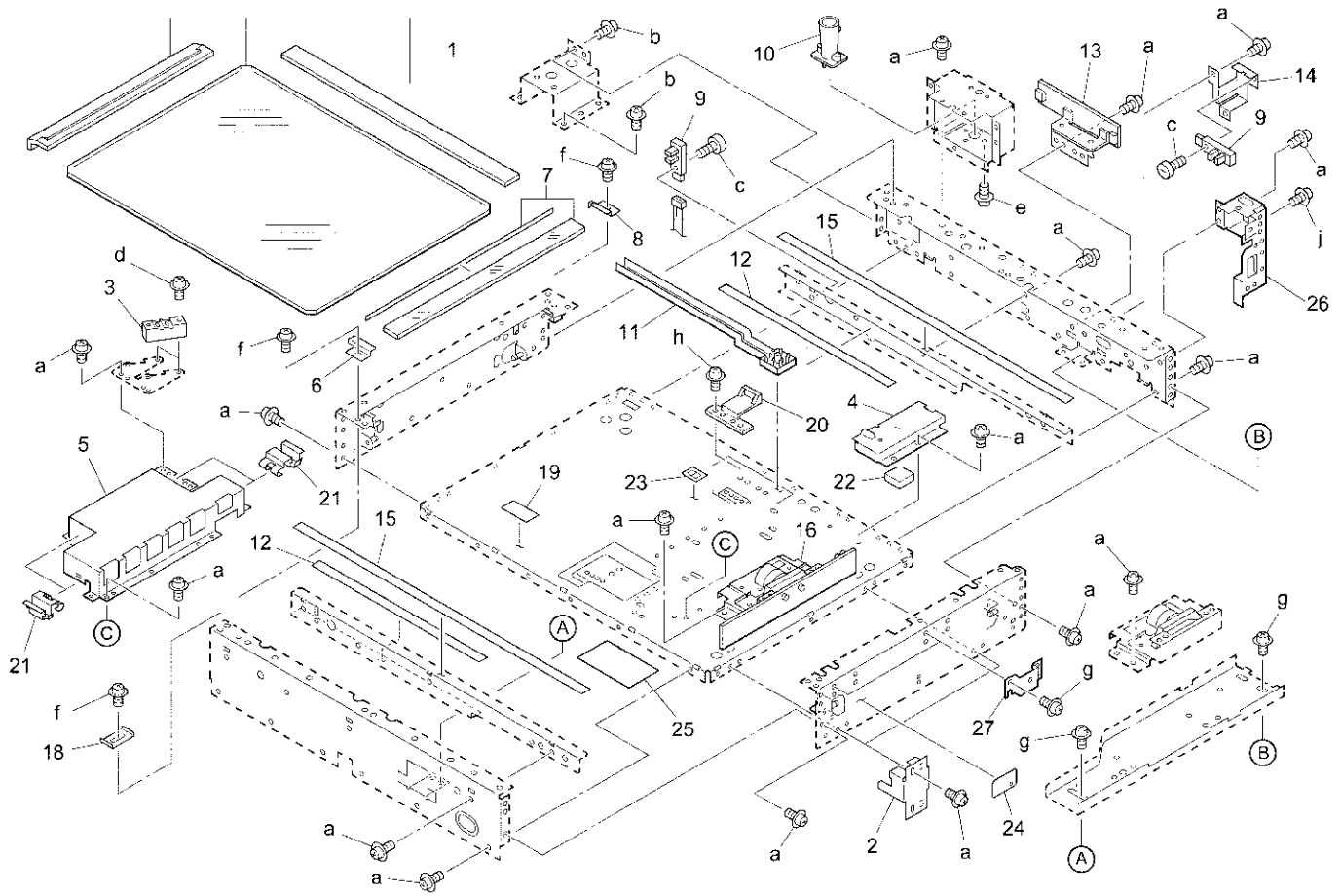
Operation unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA12370 | Operation tray |
| 2 | 26NA70021 | Operation unit cover/upper |
| 3 | 26NA70180 | Operation unit button/H |
| 4 | 26NA-9060 | Power source control switch |
| 5 | 26NA70160 | Operation unit button/F |
| 6 | 26NA70171 | Operation unit button/G |
| 7 | 26NA87520 | Touch key board |
| 8 | 55FA-7020 | Indication board assembly |
| 9 | 26NE70041 | Operation unit sheet |
| 10 | 26NA70030 | Operation unit cover |
| 11 | 26NA70111 | Operation unit button/A |
| 12 | 26NA70130 | Operation unit button/C |
| 13 | 26NA70120 | Operation unit button/B |
| 14 | 26NA-9031 | Operation board/1 assembly |
| 15 | 26NA90160 | Operation wiring/2 |
| 16 | 26NA70150 | Operation unit button/E |
| 17 | 26NA12220 | Operation cover/lower |
| 18 | 26NA70050 | Operation unit ground plate/1 |
| 19 | 55FA83520 | Indication lighting |
| 20 | 26NE-7000 | Operation unit |
| 21 | 26NA70140 | Operation unit button/D |
| 22 | 26NA97130 | Machine label/3 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193062 |

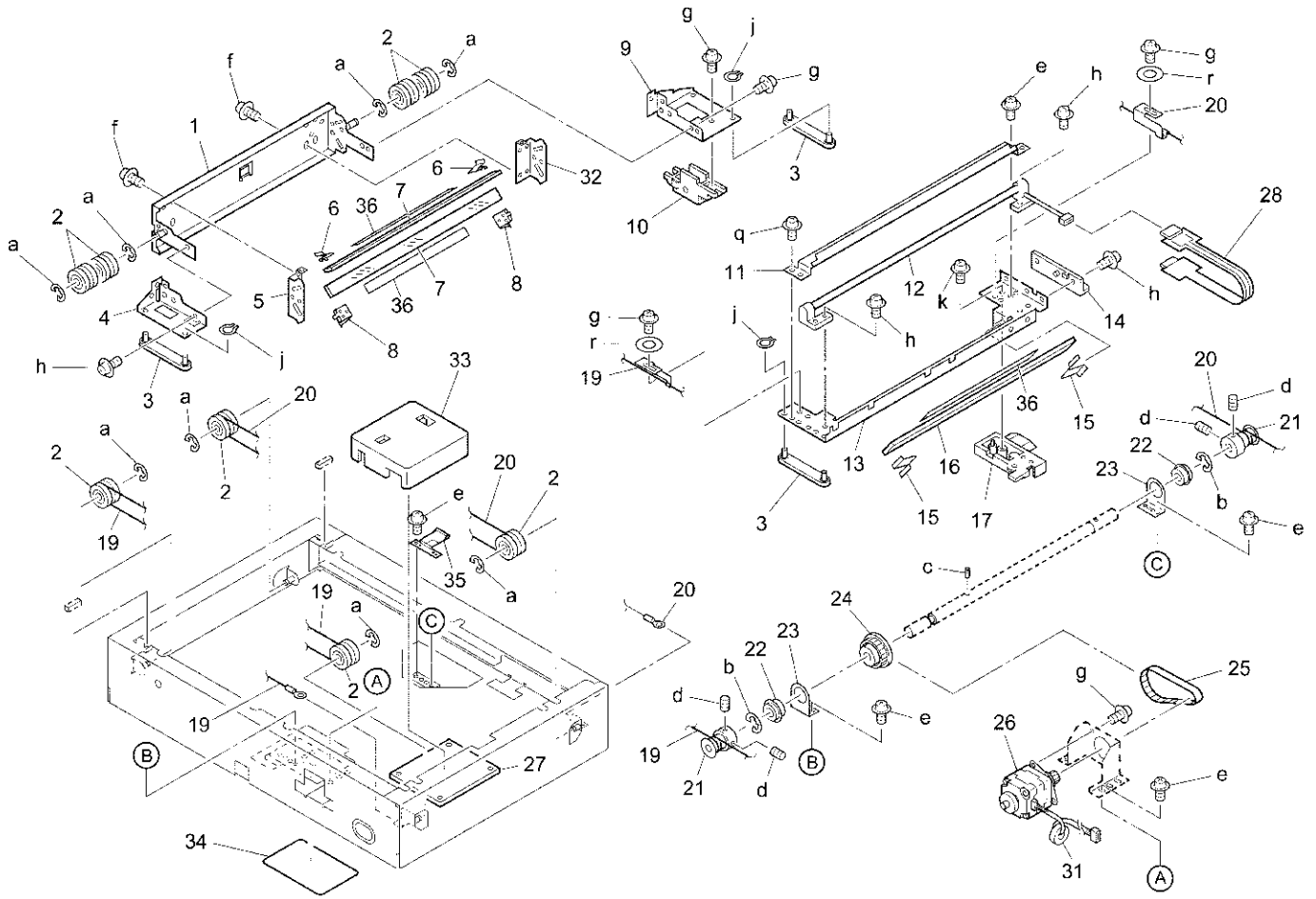
Optics unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA-6272 | Platen glass assembly |
| 2 | 26NA62080 | Reading support plate/right |
| 3 | 25BA85530 | APS sensor/2 |
| 4 | 26NA61810 | Wiring guide plate/1 |
| 5 | 26NA61730 | Lens cover |
| 6 | 26NA61300 | Glass holder plate/front |
| 7 | 26NA-6282 | Platen glass assembly/2 |
| 8 | 26NA61150 | Glass holder plate/rear |
| 9 | 552085510 | Photosensor |
| 10 | 26NA62050 | ADF guide block |
| 11 | 26NA62010 | Wiring guide part/3 |
| 12 | 26NA61840 | Optics slide sheet/2 |
| 13 | 26NA-6220 | Board mount plate/2 assembly |
| 14 | 26NA62140 | Sensor mount plate/2 |
| 15 | 26NA61830 | Optics slide sheet/1 |
| 16 | 26NA-6260 | CCD unit |
| 17 | * | Not used |
| 18 | 26NA62160 | Glass holding plate |
| 19 | 26NE97060 | Optics caution label |
| 20 | 26NA62170 | Wiring regulating sheet |
| 21 | 26NA62270 | Ground spring |
| 22 | 26NA62280 | Wiring hold part/1 |
| 23 | 26NF97140 | High tension caution label |
| 24 | 26NA62201 | Reading seal/2 |
| 25 | 26NA62220 | Paper exit auxiliary sheet |
| 26 | 26NA61120 | ADF mount plate/right |
| 27 | 26NA62210 | Fixed plate |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z283061 |
| c | 00Z183101 |
| d | 00Z183201 |
| e | 00Z253081 |
| f | 00Z193043 |
| g | 00Z163081 |
| h | 00Z193041 |
| j | 00Z253061 |

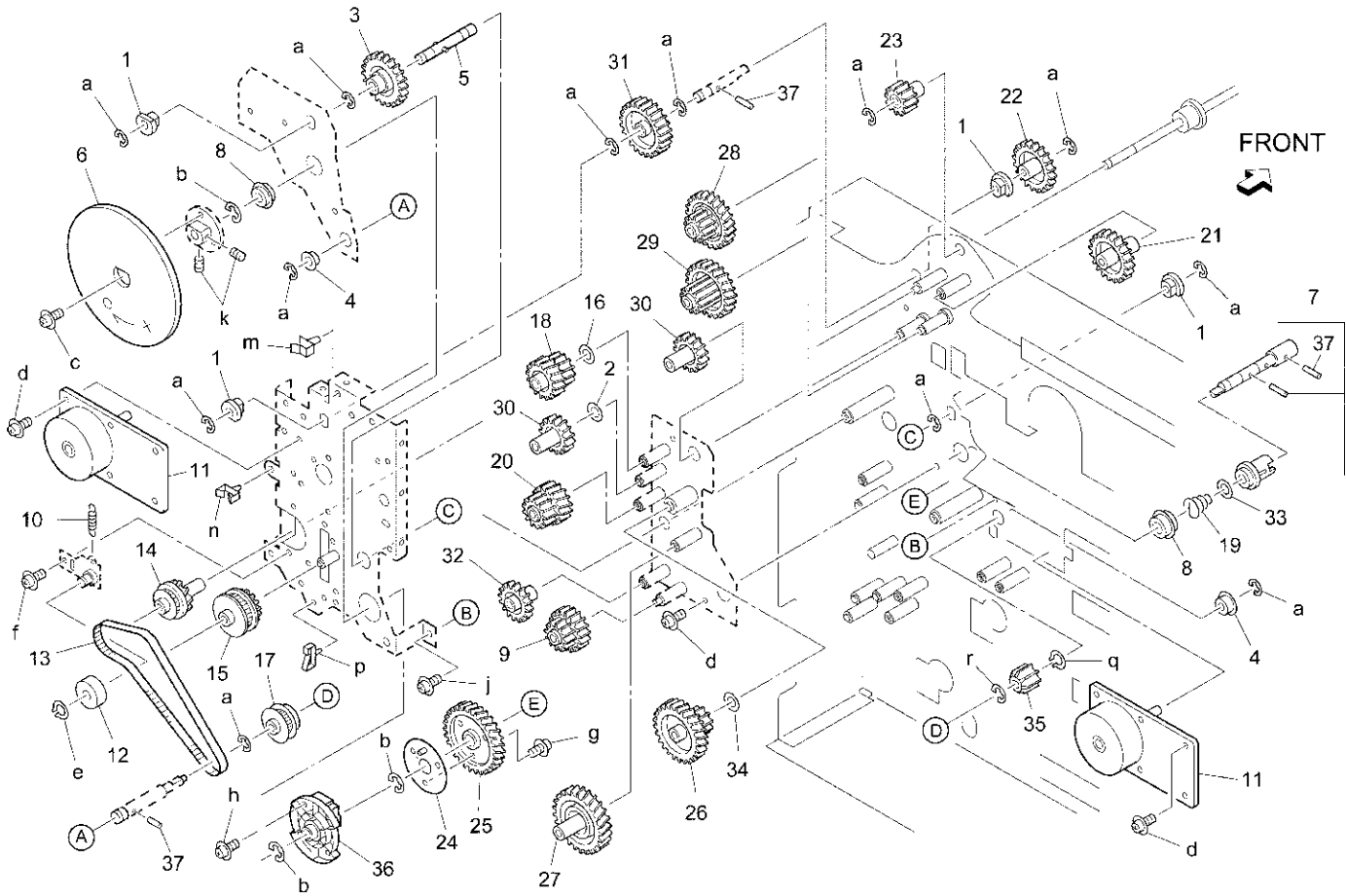
Optics unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26NA-6191 | Mirror mount plate/2 assembly |
| 2 | 26NA61940 | Wire pulley |
| 3 | 26NA61380 | Slide plate |
| 4 | 26NA61560 | Optics slide plate/front |
| 5 | 26NA61530 | Mirror support plate/front |
| 6 | 26NA61610 | Mirror pressure spring/4 |
| 7 | 26NA61540 | Optics mirror/2 |
| 8 | 26NA61600 | Mirror pressure spring/3 |
| 9 | 26NA61551 | Optics slide plate/rear |
| 10 | 26NA61590 | Wiring guide part/2 |
| 11 | 26NA61370 | Reflect mirror |
| 12 | 26NA83010 | Exposure lamp |
| 13 | 26NA61310 | Mirror mount plate/1 |
| 14 | 26NA62060 | Mirror adjusting screw |
| 15 | 26NA61410 | Mirror pressure spring |
| 16 | 26NA61340 | Optics mirror/1 |
| 17 | 26NA61390 | Wiring guide plate/1 |
| 18 | * | Not used |
| 19 | 26NA61221 | Optics wire/front |
| 20 | 26NA61211 | Optics wire/rear |
| 21 | 26NA61200 | Wire driving pulley |
| 22 | 540076050 | Driving shaft holder |
| 23 | 26NA61750 | Pulley fixed plate |
| 24 | 26NA61920 | Driving pulley (Z=45) |
| 25 | 26NA61930 | Motor belt (L=148) |
| 26 | 26NA80022 | Optics driving motor |
| 27 | 26NA-9052 | Scanner driving board assembly |
| 28 | 26NA-9510 | Powering board assembly |
| 29 | * | Not used |
| 30 | * | Not used |
| 31 | 580388410 | Ferrite core |
| 32 | 26NA62390 | Mirror support plate/rear |
| 33 | 26NA62240 | Board cover |
| 34 | 26NA62220 | Paper exit auxiliary sheet |
| 35 | 26NA62170 | Wiring regulating sheet |
| 36 | 26NA62441 | Mirror reinforce plate/1 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z713186 |
| d | 00Z474063 |
| e | 00Z193041 |
| f | 00Z183101 |
| g | 00Z163061 |
| h | 00Z163081 |
| j | 00Z660306 |
| k | 00Z253061 |
| q | 00Z183031 |
| r | 00Z610421 |

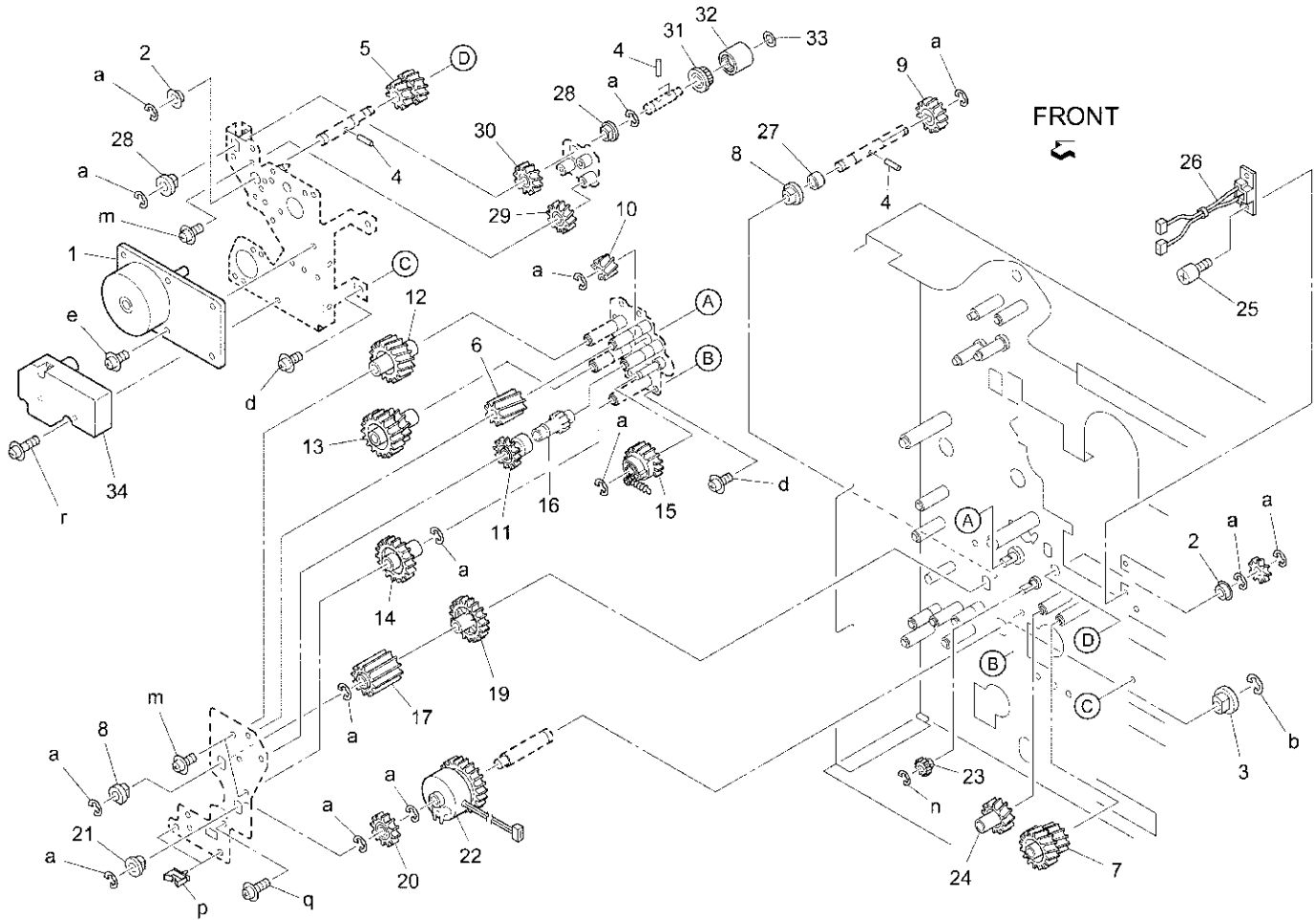
Driving unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 466076020 | Paper feeding shaft holder |
| 2 | 26NA17410 | Driving spacer/2 |
| 3 | 26NA15690 | Collecting gear (Z=54) |
| 4 | 26NA17280 | Developing drive shaft holder |
| 5 | 26NA-1540 | Collecting shaft assembly |
| 6 | 26NA15031 | Drum rotary plate |
| 7 | 26NA-1531 | Drum input shaft assembly |
| 8 | 26NA53590 | Fixing shaft holder/lower |
| 9 | 26NA16150 | Idler gear/D (Z=27/45) |
| 10 | 26NA17270 | Tension spring |
| 11 | 26NA80010 | Drum driving motor |
| 12 | 540015162 | Belt tension roller |
| 13 | 26NA17140 | Belt (Z=370) |
| 14 | 26NA15550 | Gear/F (Z=32/34) |
| 15 | 26NA15680 | Gear/Q (Z=23/23) |
| 16 | 190041410 | Polyslider |
| 17 | 26NA15750 | Agitating gear/A (Z=35) |
| 18 | 26NA15520 | Gear/C (Z=32/50) |
| 19 | 26NA15200 | Coupling spring |
| 20 | 26NA15540 | Gear/E (Z=32/35) |
| 21 | 26NA17250 | Gear/X (Z=45) |
| 22 | 26NA15730 | Gear/J (Z=38) |
| 23 | 26NA15740 | Paper exit gear (Z=26) |
| 24 | 26NA-1560 | Drive plate assembly |
| 25 | 26NA15600 | Drum driving gear (Z=108) |
| 26 | 26NA15500 | Gear/A (Z=26/97) |
| 27 | 26NA15510 | Gear/B (Z=97) |
| 28 | 26NA15760 | Gear/R (Z=21/50) |
| 29 | 26NA15560 | Gear/G (Z=24/49) |
| 30 | 26NA15630 | Gear/M (Z=34) |
| 31 | 26NA15580 | Gear/H (Z=55) |
| 32 | 26NA16140 | Idler gear/C (Z=35) |
| 33 | 26NA30870 | Spring spacer |
| 34 | 26NA17400 | Driving spacer/1 |
| 35 | 26NA17580 | Agitating coupling/B |
| 36 | 26NA-1570 | Dumper plate assembly |
| 37 | 113620600 | Pin (A) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z163081 |
| d | 00Z193043 |
| e | 00Z680806 |
| f | 00Z163061 |
| g | 00Z193041 |
| h | 00Z253081 |
| j | 00Z193061 |
| k | 00Z474063 |
| m | 00Z926903 |
| n | 00Z921302 |
| p | 00Z921941 |
| q | 00Z600306 |
| r | 00Z670306 |

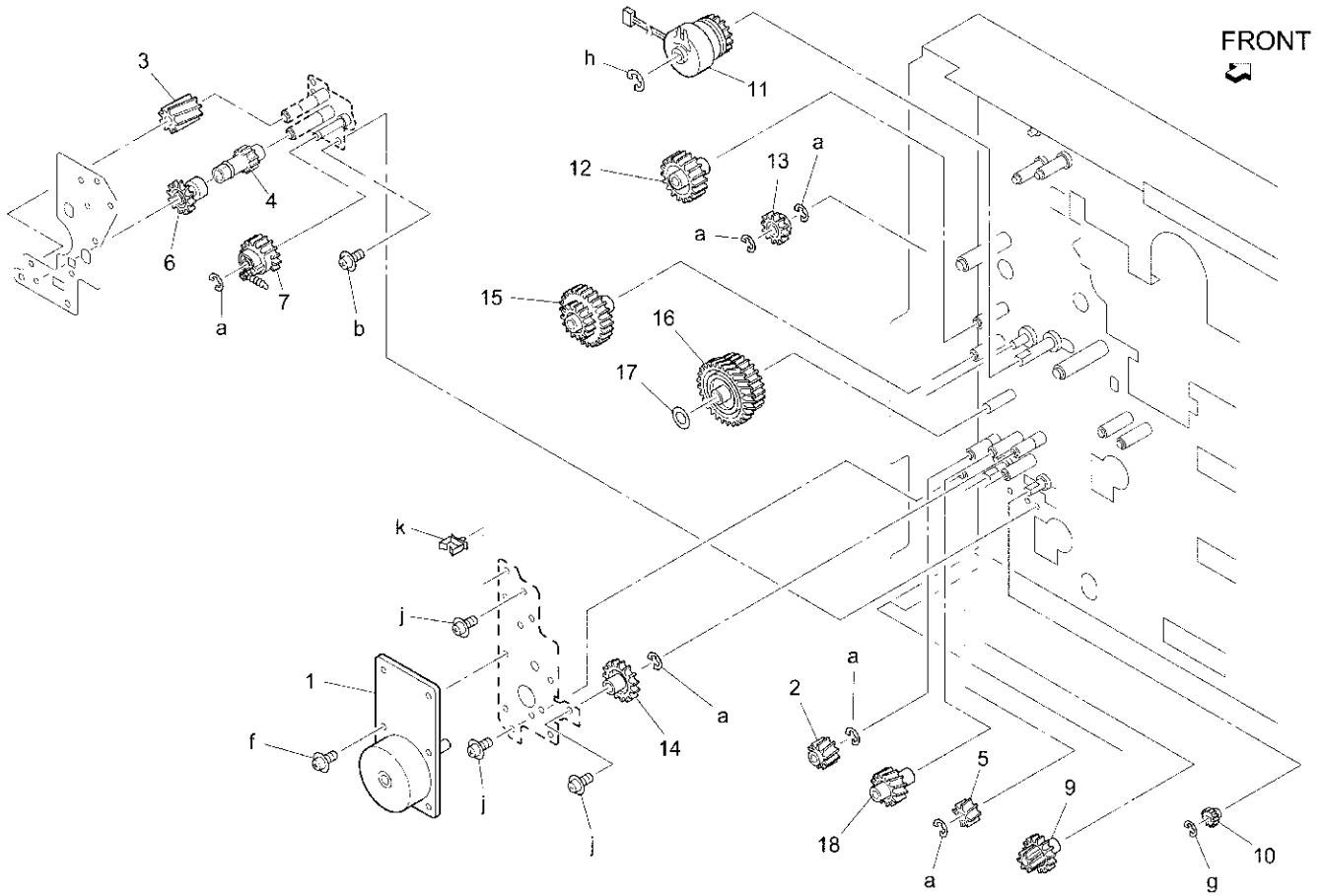
Driving unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26NA80010 | Drum driving motor |
| 2 | 26NA17280 | Developing drive shaft holder |
| 3 | 090075530 | Bearing |
| 4 | 113620600 | Pin (A) |
| 5 | 26NA17060 | Developing drive gear/3 (Z=25) |
| 6 | 26NA16270 | Idler gear/L (Z=16) |
| 7 | 26NA17040 | Developing drive gear/1 (Z=23/52) |
| 8 | 26NA76010 | Paper feed shaft holder |
| 9 | 26NA17600 | Manual feed driving gear/2 |
| 10 | 26NA16260 | Driving gear (Z=15) |
| 11 | 26NA17480 | Paper feed coupling gear/A (Z=25) |
| 12 | 26NA16300 | Idler gear/O (Z=35) |
| 13 | 26NA16210 | Idler gear/G (Z=21/35) |
| 14 | 26NA16200 | Idler gear/F (Z=41) |
| 15 | 26NA-1680 | Paper feed gear/2 assembly |
| 16 | 26NA17490 | Paper feed coupling gear/B (Z=20) |
| 17 | 26NA16160 | Manual feed driving gear/1 (Z=25) |
| 18 | * | Not used |
| 19 | 26NA16170 | Idler gear/E (Z=45) |
| 20 | 26NA16190 | Gear (Z=25) |
| 21 | 684276031 | Paper exit shaft holder |
| 22 | 26NA82020 | Paper feed clutch |
| 23 | 26NA16310 | Paper feed gear (Z=15) |
| 24 | 26NA17050 | Developing drive gear/2 (Z=27) |
| 25 | 066079020 | Drawer |
| 26 | 26NA90340 | Developing relay wiring |
| 27 | 26NA50980 | Conveyance spacer |
| 28 | 322076010 | Paper lift-up lever shaft holder |
| 29 | 26NA17550 | Developing drive gear/7 |
| 30 | 26NA17540 | Developing drive gear/6 |
| 31 | 26NA17560 | Developing input coupling/A |
| 32 | 26NA17570 | Developing input coupling/B |
| 33 | 26NA17590 | Spacer/B |
| 34 | 26NA80041 | Cassette driving motor |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| d | 00Z283061 |
| e | 00Z193043 |
| m | 00Z193061 |
| n | 00Z670306 |
| p | 00Z921322 |
| q | 00Z193181 |
| r | 00Z193121 |

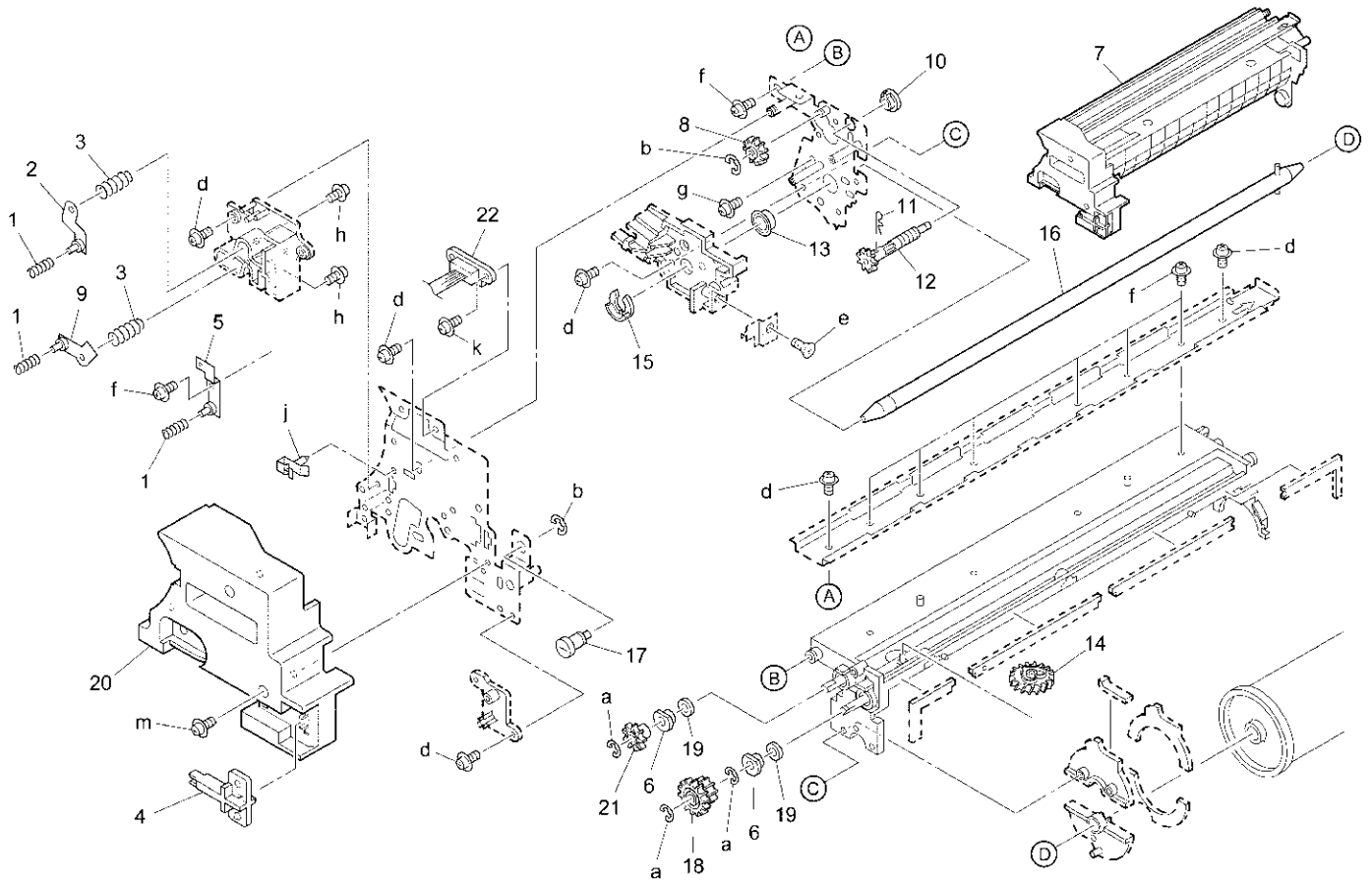
Driving unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26NA80010 | Drum driving motor |
| 2 | 26NA16250 | Idler gear/K (Z=20) |
| 3 | 26NA16270 | Idler gear/L (Z=16) |
| 4 | 26NA17490 | Paper feed coupling gear/B (Z=20) |
| 5 | 26NA16260 | Driving gear (Z=15) |
| 6 | 26NA17480 | Paper feed coupling gear/A (Z=25) |
| 7 | 26NA-1690 | Paper feed gear/3 assembly |
| 8 | * | Not used |
| 9 | 26NA16230 | Idler gear/I (Z=15/25) |
| 10 | 26NA16310 | Paper feed gear (Z=15) |
| 11 | 26NA82010 | Resist clutch |
| 12 | 26NA16120 | Idler gear/B (Z=43) |
| 13 | 26NA16130 | Clutch gear/1 (Z=27) |
| 14 | 26NA16220 | Idler gear/H (Z=33) |
| 15 | 26NA16110 | Idler gear/A (Z=27/54) |
| 16 | 26NA17260 | Paper feed driving gear (Z=52/97) |
| 17 | 190041410 | Polyslider |
| 18 | 26NA16240 | Idler gear/J (Z=25) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z283061 |
| f | 00Z193043 |
| g | 00Z670306 |
| h | 00Z670506 |
| j | 00Z193061 |
| k | 00Z921322 |

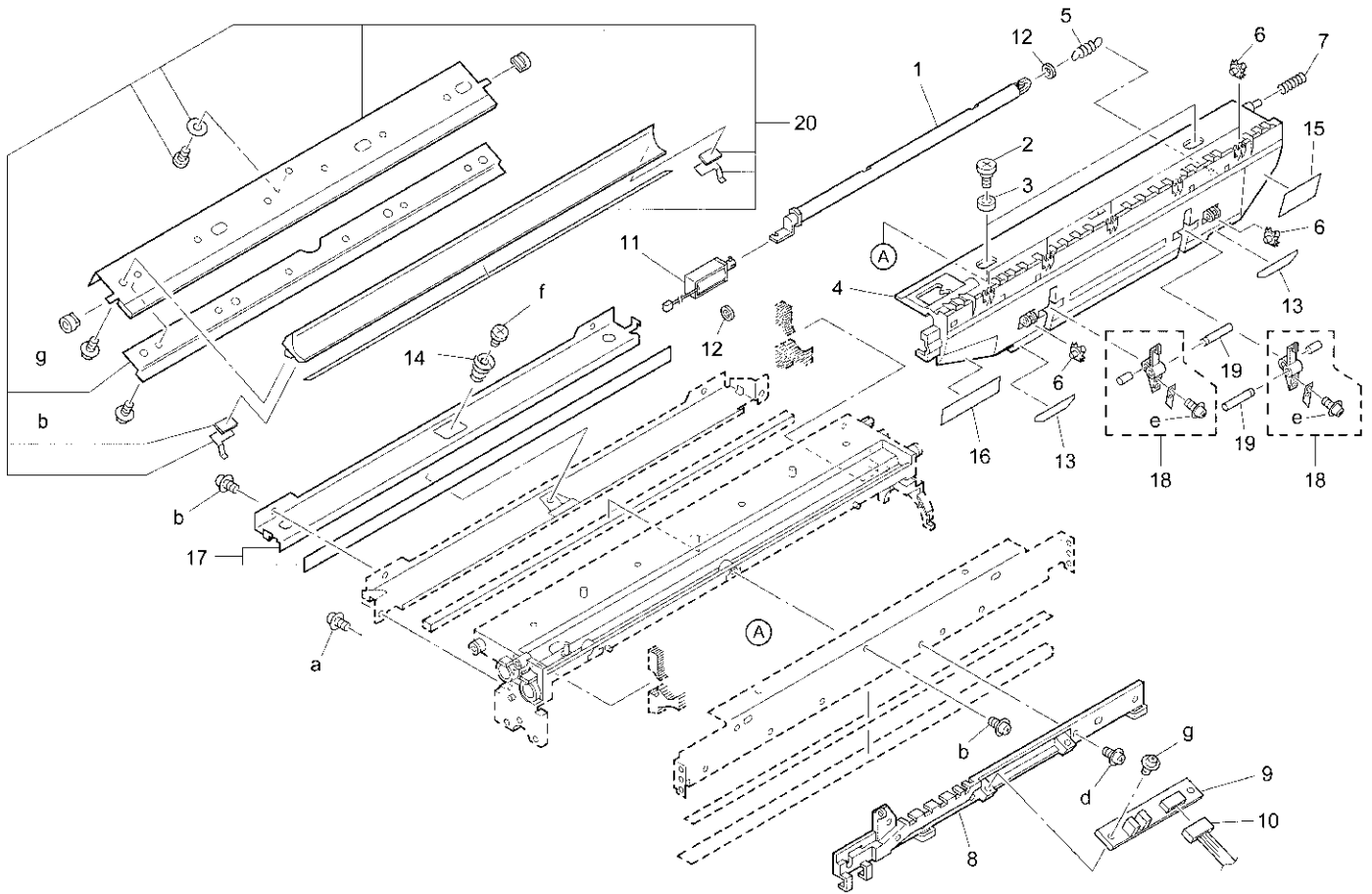
Drum carriage



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 392045260 | Electrode connecting spring(B) |
| 2 | 26NA-2220 | Charging electrify plate/B assembly |
| 3 | 40AA73191 | Charging input spring |
| 4 | 26NA21340 | Drum rotary plate |
| 5 | 26NA-2230 | Developing electrify plate assembly |
| 6 | 26NA20140 | Screw shaft holder |
| 7 | 26NA-9900 | Drum unit assembly |
| 8 | 26NA20420 | Idler gear (Z=25) |
| 9 | 26NA-2210 | Charging electrify plate/A assembly |
| 10 | 26NA20380 | Rocking shaft holder |
| 11 | 26NA20920 | Shaft fixed pin |
| 12 | 26NA20570 | Separation rocking gear (Z=18) |
| 13 | 26NA21360 | Drum support shaft holder |
| 14 | 26NA20580 | Separation rocking cam |
| 15 | 26NA20940 | Drum support plate |
| 16 | 26NA-2140 | Drum shaft assembly |
| 17 | 26NA21440 | Cartridge screw |
| 18 | 26NA20170 | Agitating gear (Z=19/30) |
| 19 | 26NA20710 | Felt/A |
| 20 | 26NA20350 | Cartridge cover/front |
| 21 | 26NA20160 | Screw gear (Z=24) |
| 22 | 26NA90070 | Drum wiring |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| d | 00Z193061 |
| e | 00Z263081 |
| f | 00Z253081 |
| g | 00Z253121 |
| h | 00Z183061 |
| j | 00Z921913 |
| k | 00Z193081 |
| m | 00Z193043 |

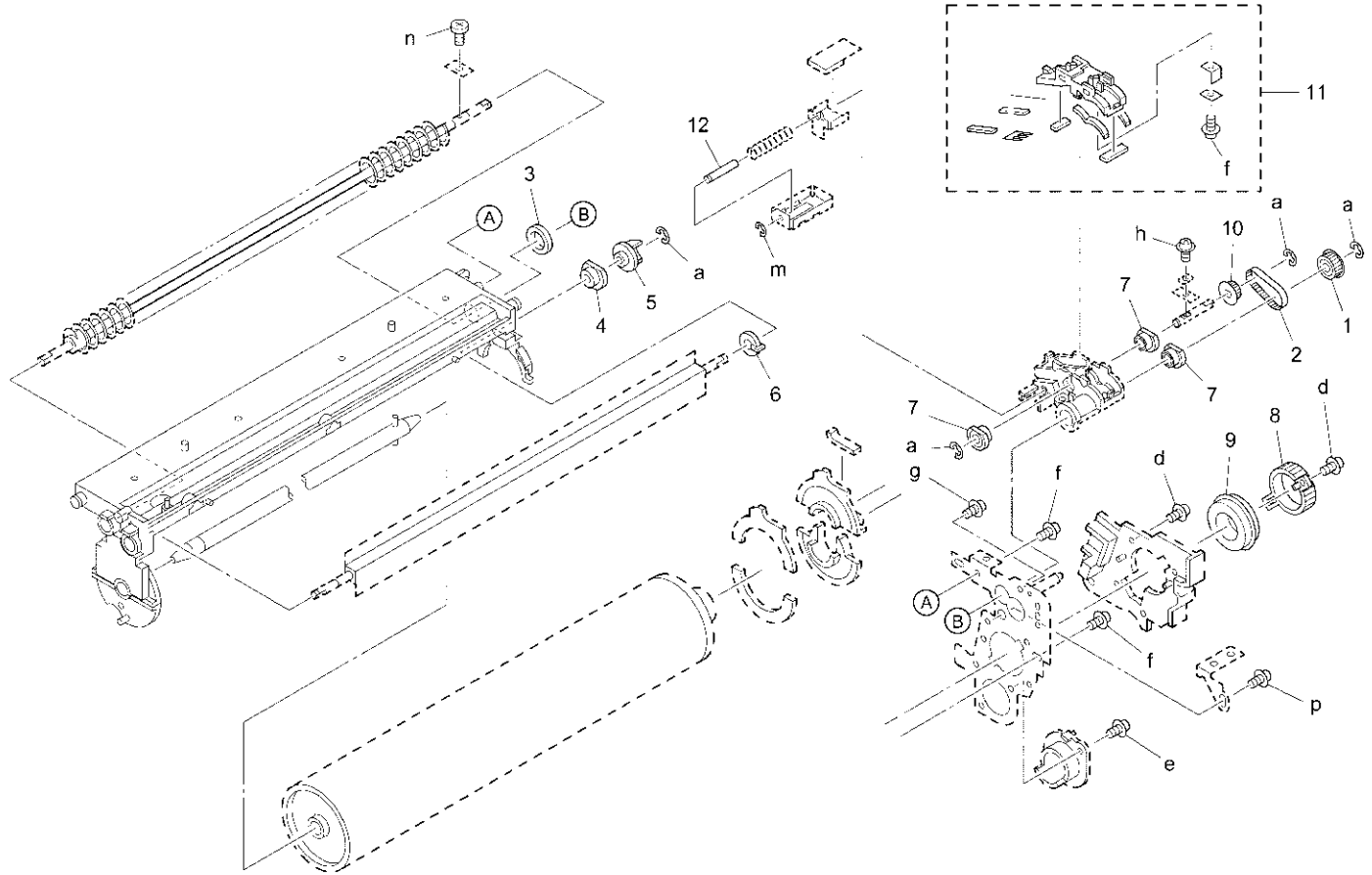
Drum cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26NA20270 | Separate release lever |
| 2 | 26NA20310 | Separate rocking screw |
| 3 | 26NA20300 | Separate rocking collar |
| 4 | 26NA20241 | Separate guide plate |
| 5 | 40AA20230 | Separate release spring |
| 6 | 26NA20321 | Conveyance auxiliary roller |
| 7 | 26NA20290 | Separate rocking spring |
| 8 | 26NA20950 | Wiring guide plate |
| 9 | 26NA-9180 | Toner detecting board assembly |
| 10 | 26NA90310 | Sensor relay wiring/1 |
| 11 | 26NA-2260 | Separate solenoid assembly |
| 12 | 26NA21380 | Solenoid seal |
| 13 | 26NA21400 | Paper guide sheet/A |
| 14 | 26NA20191 | Blade pressure spring |
| 15 | 26NA21420 | Paper guide sheet/C |
| 16 | 26NA21430 | Paper guide sheet/D |
| 17 | 26NA-2240 | Spewing preventive plate/A assembly |
| 18 | 26NA-2180 | Separate claw assembly |
| 19 | 40AA20170 | Separate fulcrum shaft |
| 20 | 26NA-2090 | Cleaning blade assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193043 |
| b | 00Z193061 |
| d | 00Z193041 |
| e | 00Z242061 |
| f | 00Z183061 |
| g | 00Z253081 |

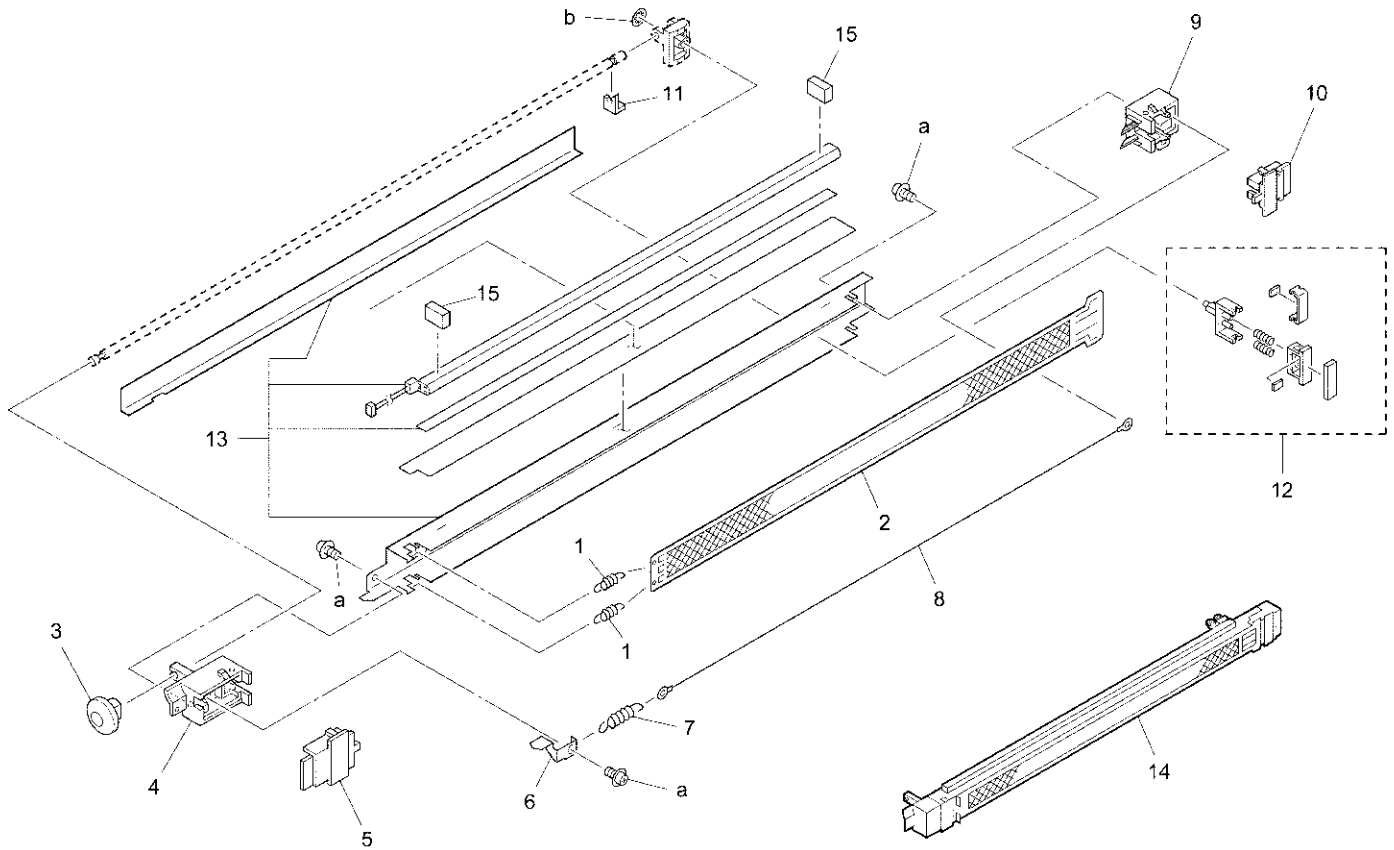
Drum cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------|
| 1 | 26NA21230 | Screw drive pulley/1 (Z=23) |
| 2 | 26NA21220 | Screw drive belt (L=76) |
| 3 | 26NA20220 | Cleaner collect seal |
| 4 | 26NA20140 | Screw shaft holder |
| 5 | 26NA20560 | Toner collect coupling |
| 6 | 26NA21160 | Shaft holder spacer |
| 7 | 26NA21280 | Screw shaft holder/B |
| 8 | 26NA20250 | Shaft holder fulcrum part |
| 9 | 26NA20480 | Drum shaft holder/F |
| 10 | 26NA21240 | Screw drive pulley/2 (Z=19) |
| 11 | 26NA-2270 | Collect cover/C assembly |
| 12 | 26NA20870 | Cleaner auxiliary shaft |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| d | 00Z193061 |
| e | 00Z163061 |
| f | 00Z253101 |
| g | 00Z253121 |
| h | 00Z192041 |
| m | 00Z670206 |
| n | 00Z112021 |
| p | 00Z253081 |

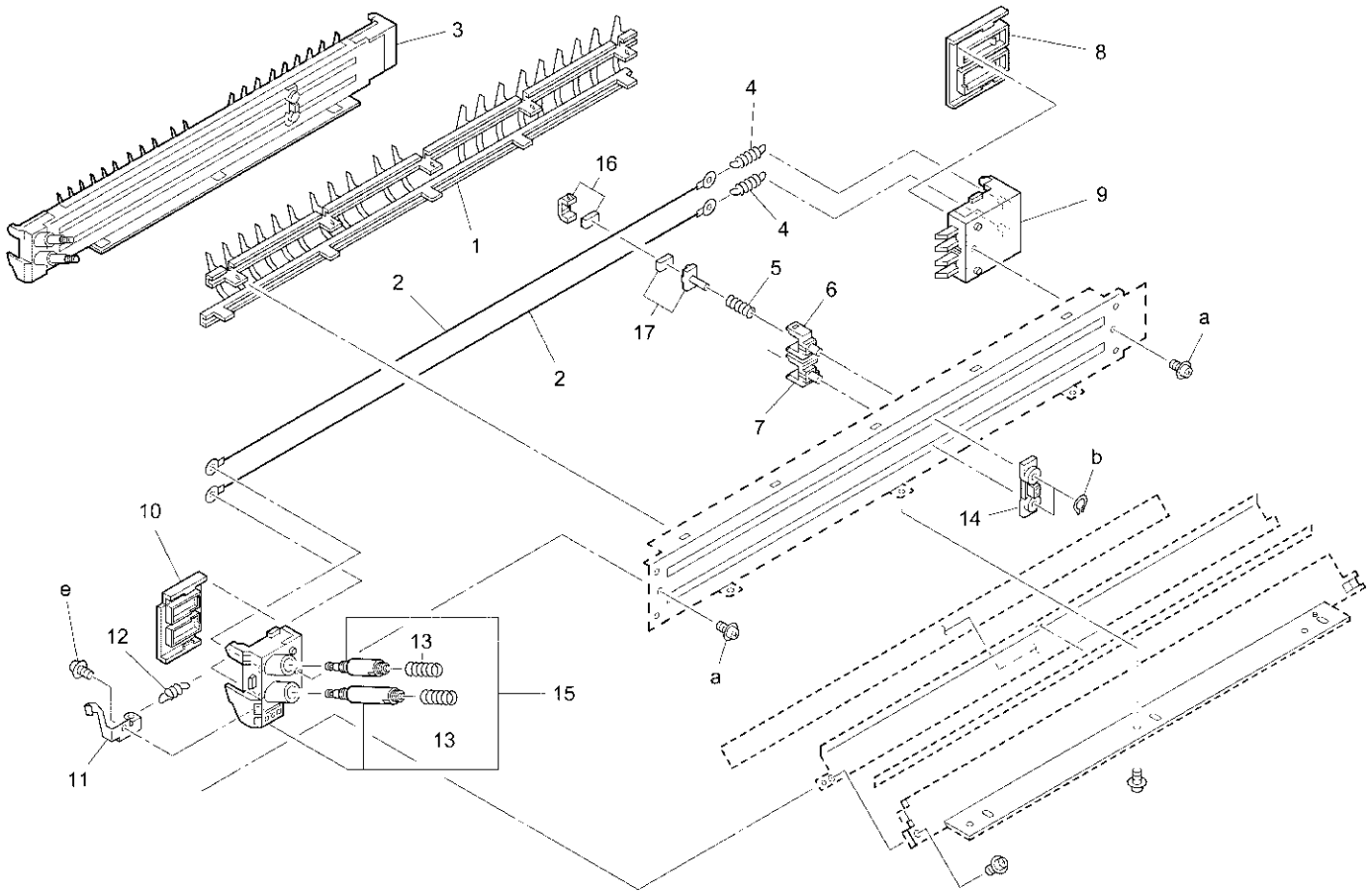
Charging corona unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------|
| 1 | 26NA25180 | Charging spring |
| 2 | 26NA25160 | Charging control plate |
| 3 | 540025121 | Charging cleaning knob |
| 4 | 26NA25020 | Charging block/front |
| 5 | 26NA25040 | Spark arrester preventive plate/front |
| 6 | 26NA25070 | Charging electrode plate |
| 7 | 26NA25170 | Wire tension spring |
| 8 | 26NA25060 | Charging wire |
| 9 | 26NA25010 | Charging block/rear |
| 10 | 26NA25050 | Spark arrester preventive plate/rear |
| 11 | 25HA25100 | Shaft stopper plate |
| 12 | 26NA-2520 | Charging cleaning assembly |
| 13 | 26NA-2510 | Charging discharge plate assembly |
| 14 | 26NA-2500 | Charging corona unit |
| 15 | 26NA73800 | Regulating seal/A |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253061 |
| b | 00Z660306 |

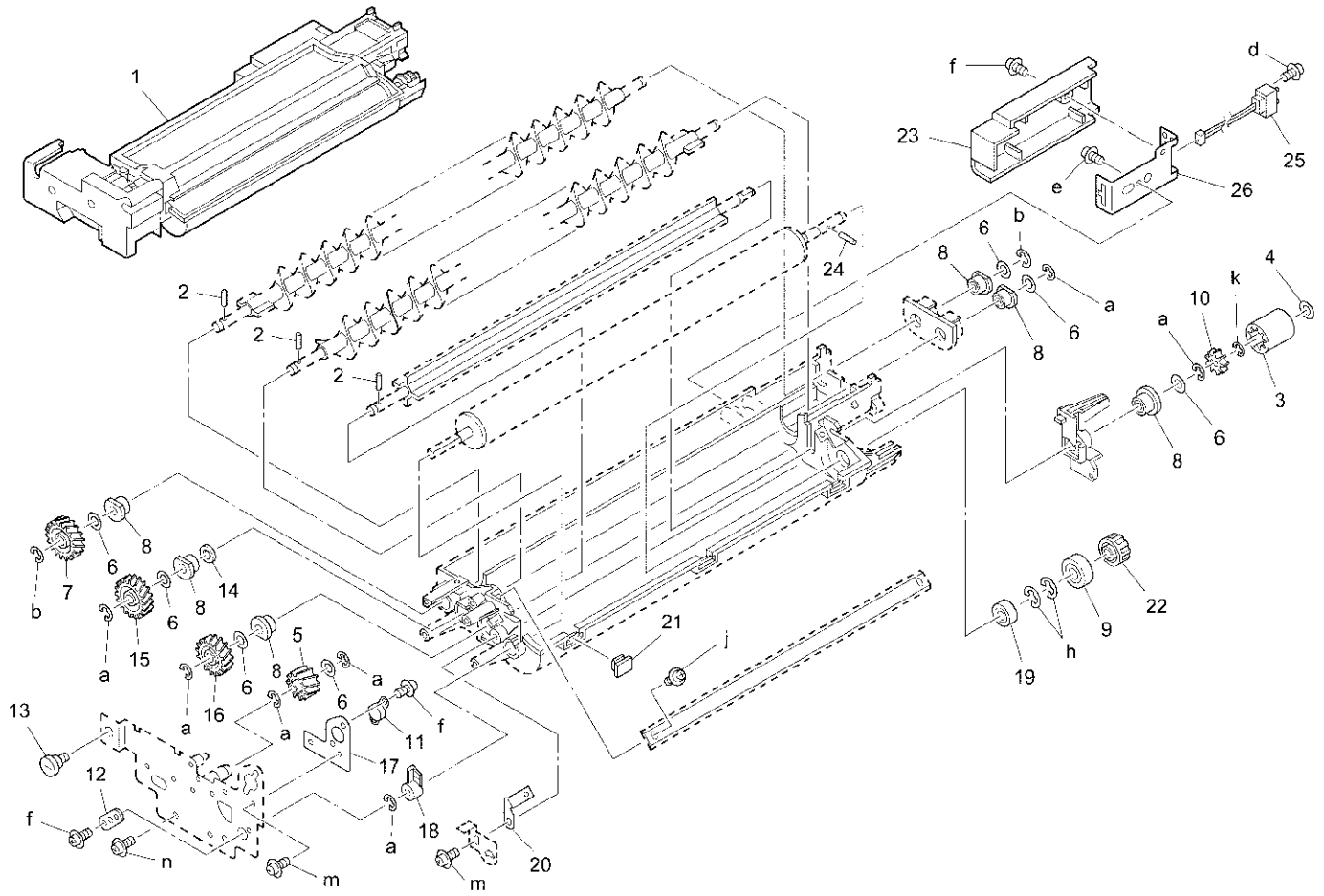
Transfer/separator unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------|
| 1 | 26NA26190 | Separate bridge |
| 2 | 26NA26080 | Discharge wire |
| 3 | 26NA-2600 | Transfer separator corona unit |
| 4 | 26NA26230 | Wire tension spring |
| 5 | 26NA25130 | Cleaner pressure spring |
| 6 | 26NA26270 | Transfer cleaning plate/E |
| 7 | 26NA26150 | Transfer cleaning plate/B |
| 8 | 26NA26070 | Spark arrester preventive plate/rear |
| 9 | 26NA26040 | Transfer separator block/rear |
| 10 | 26NA26060 | Spark arrester preventive plate/front |
| 11 | 26NA26250 | Electrode plate |
| 12 | 26NA26260 | Electrode spring |
| 13 | 26NA73251 | Electrode connecting spring/A |
| 14 | 26NA26140 | Transfer cleaning plate/A |
| 15 | 26NA-2620 | Transfer separator block/front |
| 16 | 26NA-2640 | Cleaner cover assembly |
| 17 | 26NA-2630 | Cleaner shaft assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z600406 |
| e | 00Z24B061 |

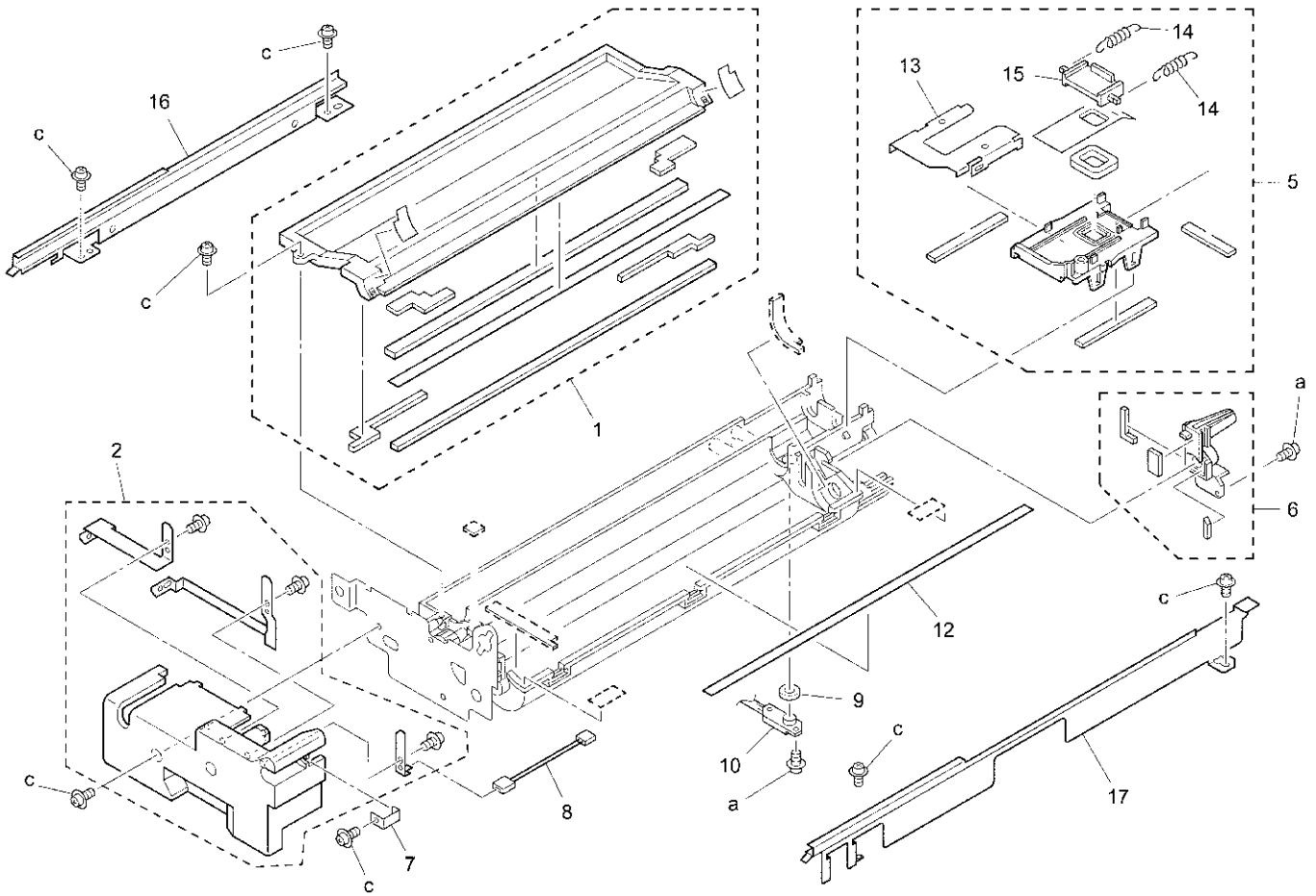
Developing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26NA-3002 | Developing unit |
| 2 | 466078010 | Pin A |
| 3 | 26NA30950 | Agitate coupling/A |
| 4 | 26NA30960 | Spacer/C |
| 5 | 26NA30170 | Idler gear (Z=16) |
| 6 | 26NA30850 | Shaft holder spacer |
| 7 | 26NA30810 | Developing gear/C |
| 8 | 26NA30770 | Developing shaft holder |
| 9 | 26NA30660 | Developing guide shaft holder |
| 10 | 26NA30730 | Agitate coupling |
| 11 | 26NA21360 | Drum support shaft holder |
| 12 | 26NA30750 | Developing adjusting cam/front |
| 13 | 26NA31010 | Positioning screw |
| 14 | 26NA30940 | Developing seal/S |
| 15 | 26NA30150 | Agitate gear/B (Z=22) |
| 16 | 26NA30140 | Agitate gear/A (Z=22) |
| 17 | 26NA30860 | Shaft holder fulcrum part |
| 18 | 26NA30630 | Developing shaft holder/front |
| 19 | 26NA30650 | Developing shaft holder/rear |
| 20 | 26NA30360 | Developing connecting plate |
| 21 | 26NA30840 | Developing block |
| 22 | 26NA30700 | Developing gear (Z=26) |
| 23 | 26NA30490 | Developing electrode cover |
| 24 | 113620600 | Pin (A) |
| 25 | 26NA90250 | Developing wiring |
| 26 | 26NA30470 | Developing electrode stay |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670506 |
| d | 00Z183061 |
| e | 00Z253061 |
| f | 00Z193061 |
| h | 00Z670606 |
| j | 00Z163081 |
| k | 00Z670306 |
| m | 00Z163061 |
| n | 00Z253081 |

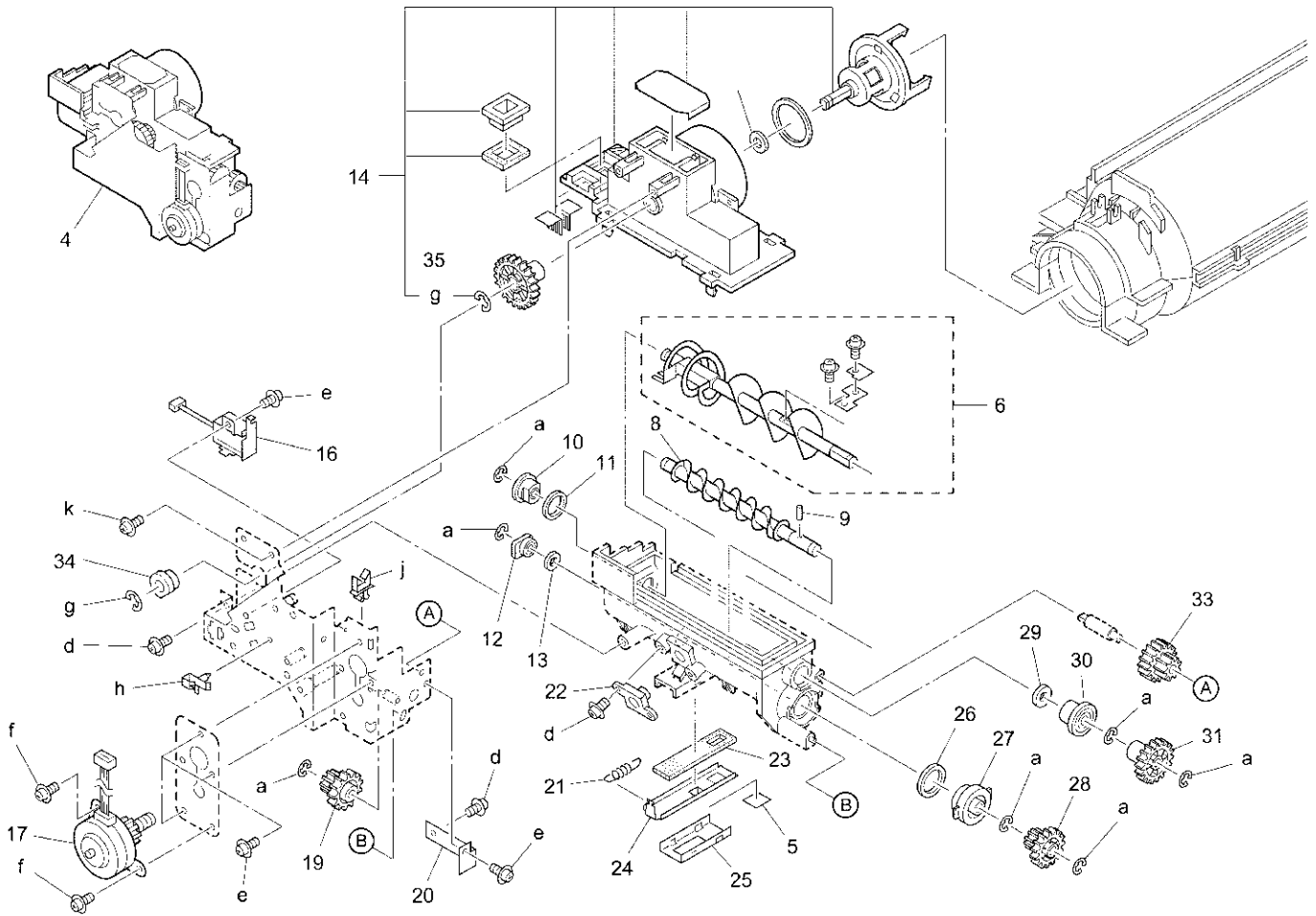
Developing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26NA-3062 | Developing cover assembly |
| 2 | 26NA-3040 | Developing cover assembly |
| 3 | * | Not used |
| 4 | * | Not used |
| 5 | 26NA-3050 | Developing cover part/A assembly |
| 6 | 26NA-3020 | Developing cover part/C assembly |
| 7 | 26NA30930 | Developing support stopper |
| 8 | 26NA90350 | Developing relay wiring/2 |
| 9 | 029420640 | L detecting seal |
| 10 | 26NA88040 | Toner density sensor |
| 11 | * | Not used |
| 12 | 26NA30440 | Spewing preventive sheet/2 |
| 13 | 26NA30190 | Developing plate/B |
| 14 | 26NA30200 | Supply spring |
| 15 | 26NA30180 | Developing plate/A |
| 16 | 26NA30740 | Developing rail/left |
| 17 | 26NA30710 | Developing rail/right (7020/7025) |
| 17 | 26PA30710 | Developing rail/right (7030) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253061 |
| c | 00Z193061 |

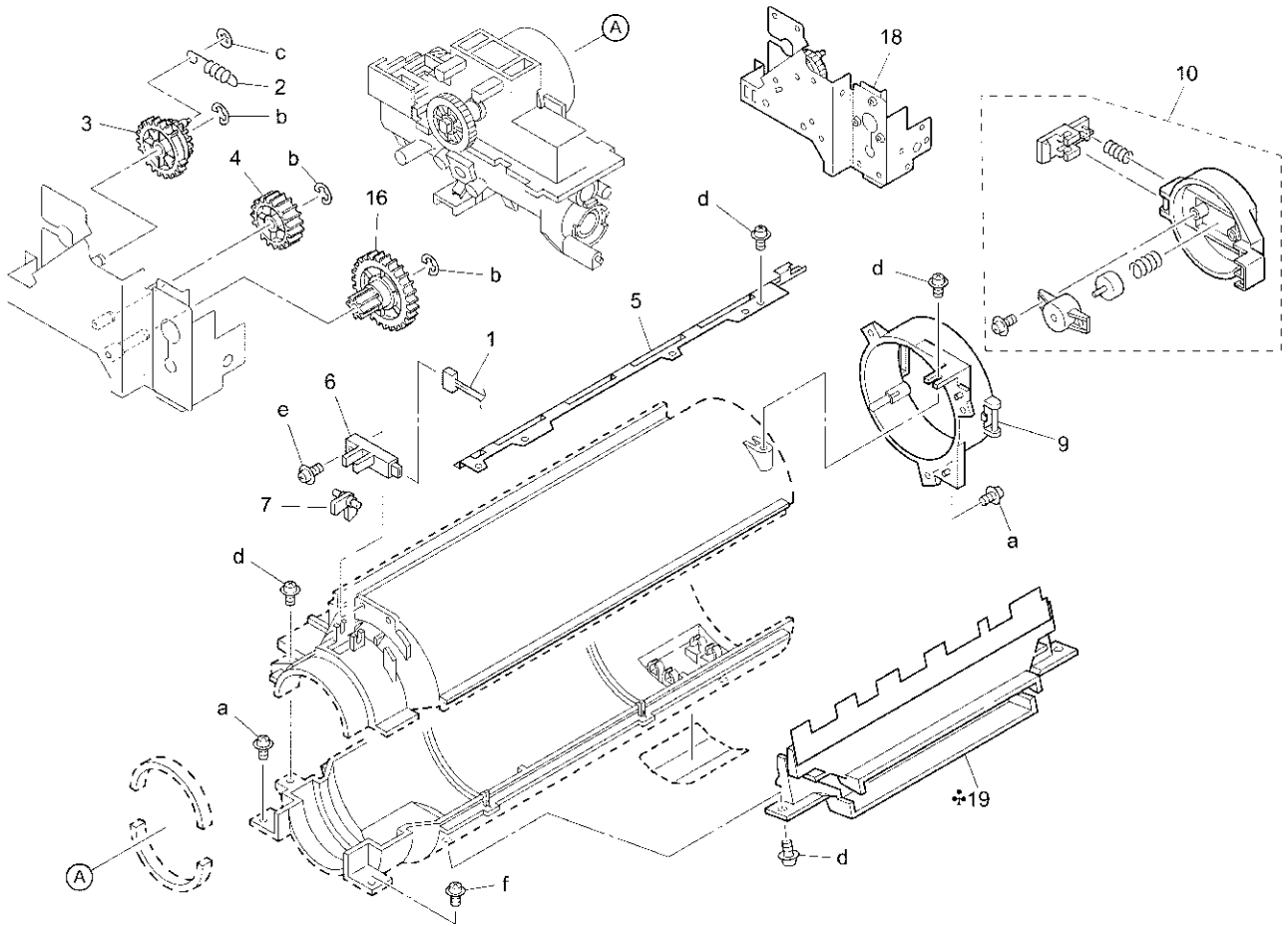
Toner supply unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | * | Not used |
| 2 | * | Not used |
| 3 | * | Not used |
| 4 | 26NA-3200 | Toner supply unit |
| 5 | 26NA32900 | Spewing preventive spacer |
| 6 | 26NA-3250 | Agitate screw assembly |
| 7 | * | Not used |
| 8 | 26NA32040 | Toner supply screw |
| 9 | 26NA32970 | Pin |
| 10 | 26NA32540 | Toner agitate shaft holder |
| 11 | 26NA32280 | Screw seal/upper |
| 12 | 26NA32550 | Toner agitate shaft holder/right |
| 13 | 26NA32200 | Screw seal/lower |
| 14 | 26NA-3220 | Toner supply base/upper assembly |
| 15 | * | Not used |
| 16 | 26NA82550 | Toner supply solenoid |
| 17 | 26NA80060 | Toner supply motor |
| 18 | * | Not used |
| 19 | 26NA32680 | Toner conveyance gear/5 (Z=16/23) |
| 20 | 26NA32470 | Driving auxiliary plate |
| 21 | 26NA32090 | Toner supply open-close spring |
| 22 | 40AA88030 | Remainder detecting sensor |
| 23 | 26NA32300 | Toner supply open-close sheet |
| 24 | 26NA32080 | Toner supply open-close plate |
| 25 | 26NA32430 | Toner supply open-close cover |
| 26 | 26NA32270 | Screw seal/middle |
| 27 | 26NA32560 | Toner agitate shaft holder/left |
| 28 | 26NA32510 | Toner conveyance gear/1 (Z=16/24) |
| 29 | 26NA32960 | Felt/C |
| 30 | 25HA32152 | Toner conveyance shaft holder/A |
| 31 | 26NA32530 | Toner conveyance gear/4 (Z=34) |
| 32 | * | Not used |
| 33 | 26NA32520 | Toner conveyance gear/3 (Z=13/30) |
| 34 | 26NA32660 | Toner supply shaft holder |
| 35 | 26NA32590 | Toner supply regulating gear (Z=42) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| d | 00Z253081 |
| e | 00Z193041 |
| f | 00Z143041 |
| g | 00Z670506 |
| h | 00Z921941 |
| j | 00Z921301 |
| k | 00Z283061 |

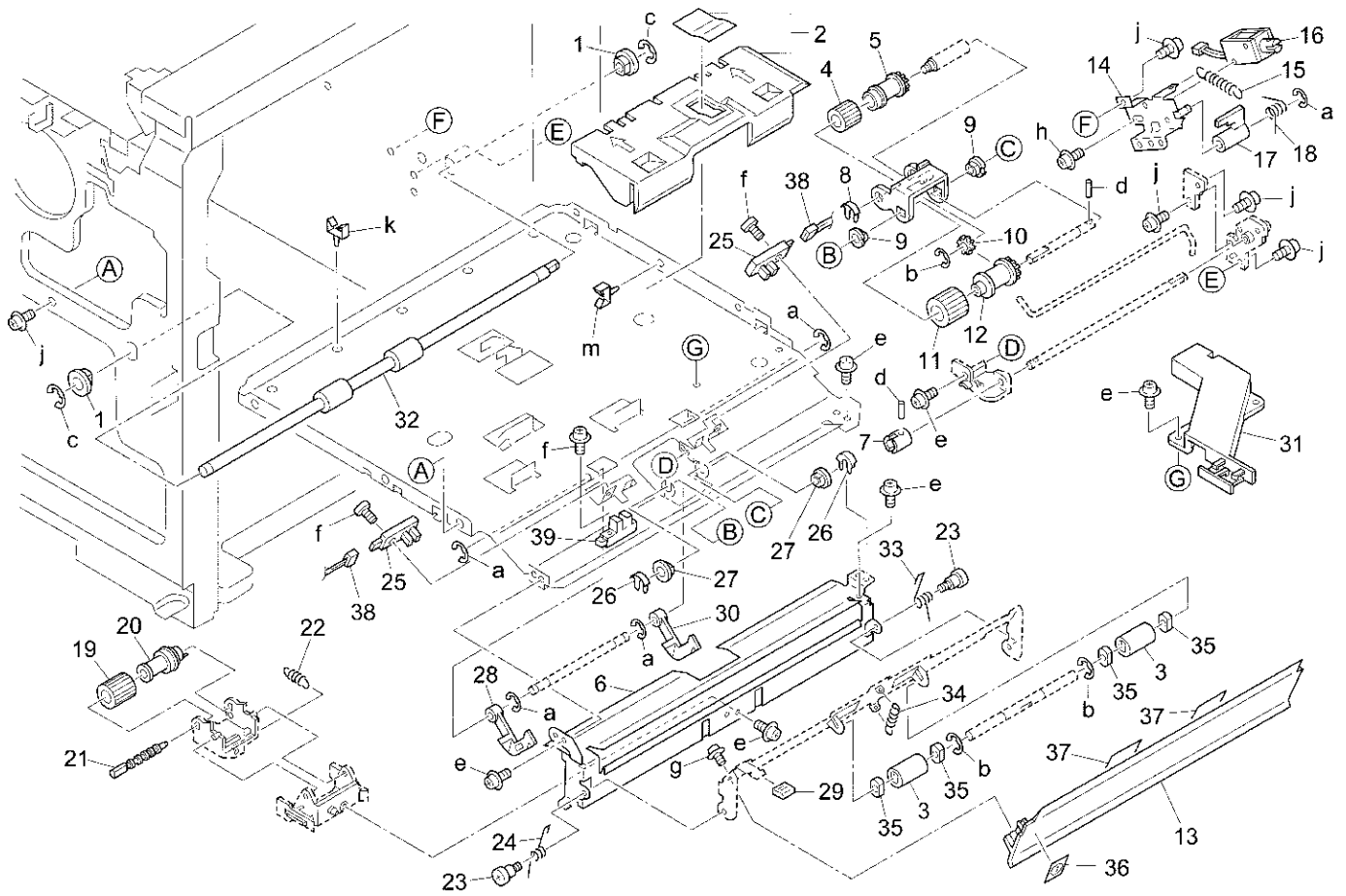
Toner supply unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 26NA90330 | Sensor relay wiring/3 |
| 2 | 40AA53230 | Tension spring |
| 3 | 26NA32580 | Toner supply regulating gear (Z=21/41) |
| 4 | 26NA32640 | Toner supply gear/2 (Z=41) |
| 5 | 26NA10350 | Rail/left |
| 6 | 552085510 | Photosensor |
| 7 | 26NA32230 | Detecting actuator/A |
| 8 | * | Not used |
| 9 | 26NE32401 | Toner supply guide plate |
| 10 | 26NA-3320 | Toner cartridge pressure assembly |
| 11 | * | Not used |
| 12 | * | Not used |
| 13 | * | Not used |
| 14 | * | Not used |
| 15 | * | Not used |
| 16 | 26NA32610 | Toner supply gear/1 (Z=14/60) |
| 17 | * | Not used |
| 18 | 26NA-3230 | Toner supply driving assembly |
| 19 | 26NE-7620 | Cooling cover/E assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z283061 |
| b | 00Z670406 |
| c | 00Z660206 |
| d | 00Z253081 |
| e | 00Z253141 |
| f | 00Z194061 |

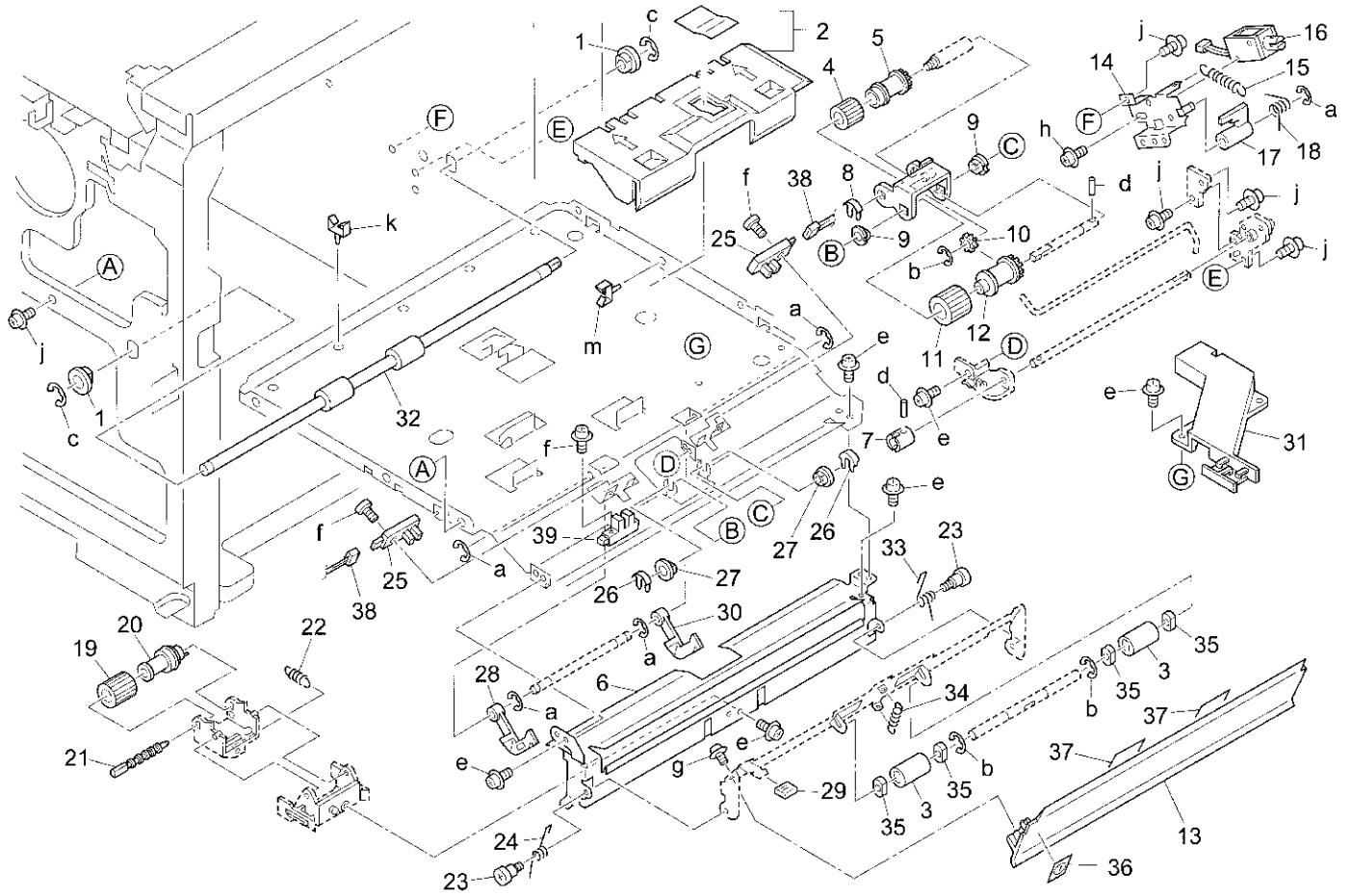
Paper feed unit (upper)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 26NA40820 | Paper feed slide holder |
| 2 | 26NA-4140 | Toner cover assembly (7020/7025) |
| 2 | 26PA-4140 | Toner cover assembly (7030) |
| 3 | 26NA42560 | Manual feed driven roller |
| 4 | 26NA40090 | Paper feeding rubber |
| 5 | 26NA40080 | Feeding roller |
| 6 | 26NA40030 | Paper feed guide plate/upper (7020/7025) |
| 6 | 26PA40030 | Paper feed guide plate/upper (7030) |
| 7 | 26NA40160 | Driving coupling |
| 8 | 40AA40150 | Shaft positioning part |
| 9 | 40AA76040 | Feeding shaft holder |
| 10 | 26NA40510 | Paper feed idler gear (Z=17) |
| 11 | 26NA40110 | Double feed preventive rubber/upper |
| 12 | 26NA40100 | Double feed preventive roller/upper |
| 13 | 26NA40221 | Paper feed auxiliary plate |
| 14 | 26NA-4190 | Solenoid mount plate assembly |
| 15 | 26NA40810 | Paper feeding spring |
| 16 | 26NA82510 | Paper feed solenoid |
| 17 | 26NA40830 | Positioning arm |
| 18 | 26NA40760 | Lever hold spring |
| 19 | 26NA40120 | Double feed preventive rubber/lower |
| 20 | 26NA40500 | Double feed preventive roller |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| g | 00Z253081 |
| h | 00Z163051 |
| j | 00Z283061 |
| k | 00Z921302 |
| m | 00Z921942 |

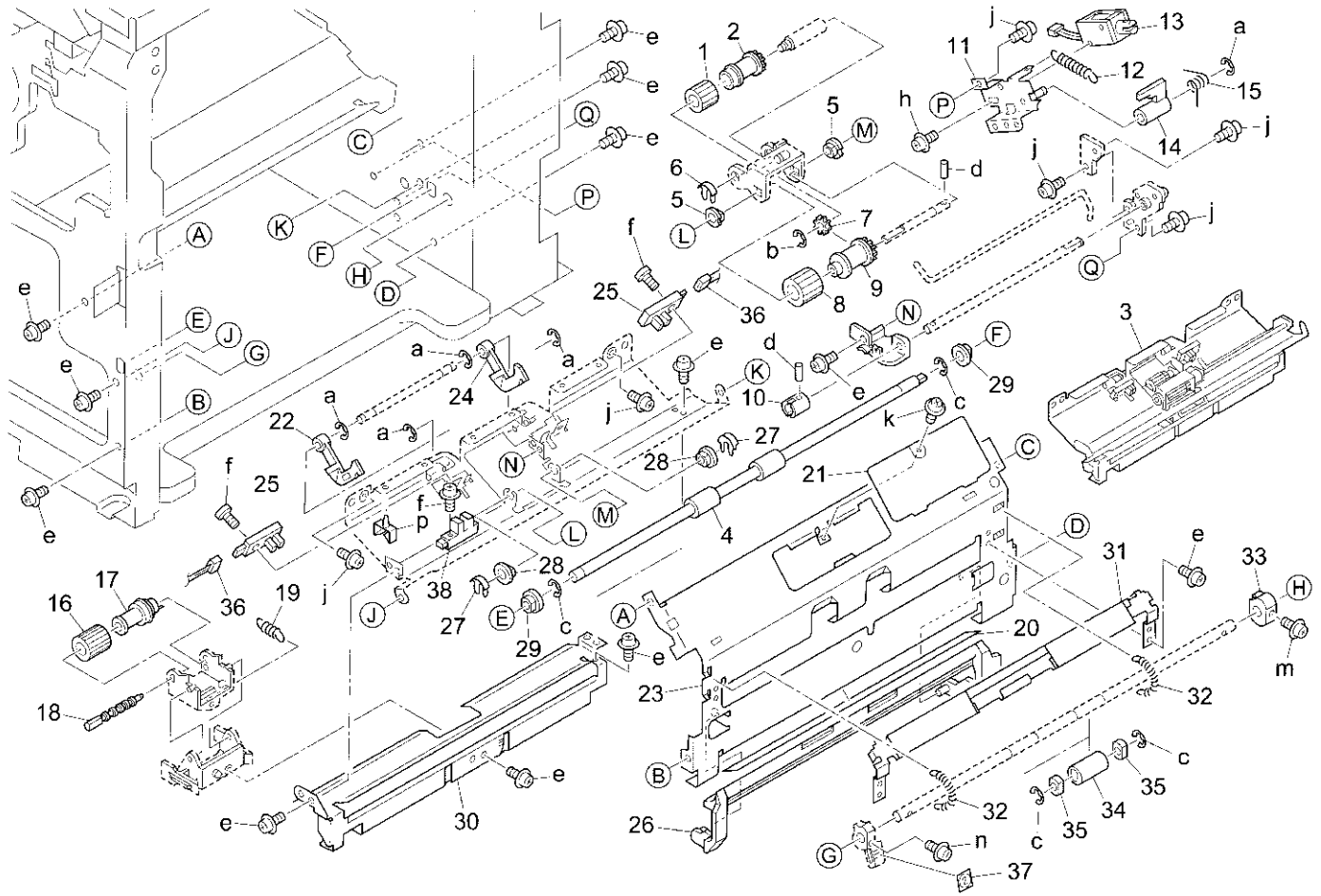
Paper feed unit (upper)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 21 | 40AA40181 | Lever click shaft |
| 22 | 40AA40450 | Double feed pressure spring |
| 23 | 066079020 | Drawer |
| 24 | 26NA40631 | Paper feed pressure spring/front |
| 25 | 552085510 | Photosensor |
| 26 | 26NA40700 | Shaft positioning part |
| 27 | 540076010 | Paper feed shaft holder |
| 28 | 26NA40280 | Paper detecting actuator |
| 29 | 26NA40780 | Paper feed support knob |
| 30 | 26NA40750 | Paper detecting actuator/2 |
| 31 | 26NA73490 | Wiring guide bridge |
| 32 | 26NA40231 | Paper feed connecting roller/1 |
| 33 | 26NA40641 | Paper feed pressure spring/rear |
| 34 | 26NA40261 | Conveyance pressure spring |
| 35 | 25AA75530 | Slide bearing |
| 36 | 26NA97430 | Lever indication label/1 |
| 37 | 26NA40910 | Paper feed guide sheet/A |
| 38 | 26NA90120 | Paper feed wiring/upper (7020/7025) |
| 38 | 26PA90120 | Paper feed wiring/upper (7030) |
| 39 | 25AA85511 | Photosensor |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| g | 00Z253081 |
| h | 00Z163051 |
| j | 00Z283061 |
| k | 00Z921302 |
| m | 00Z921942 |

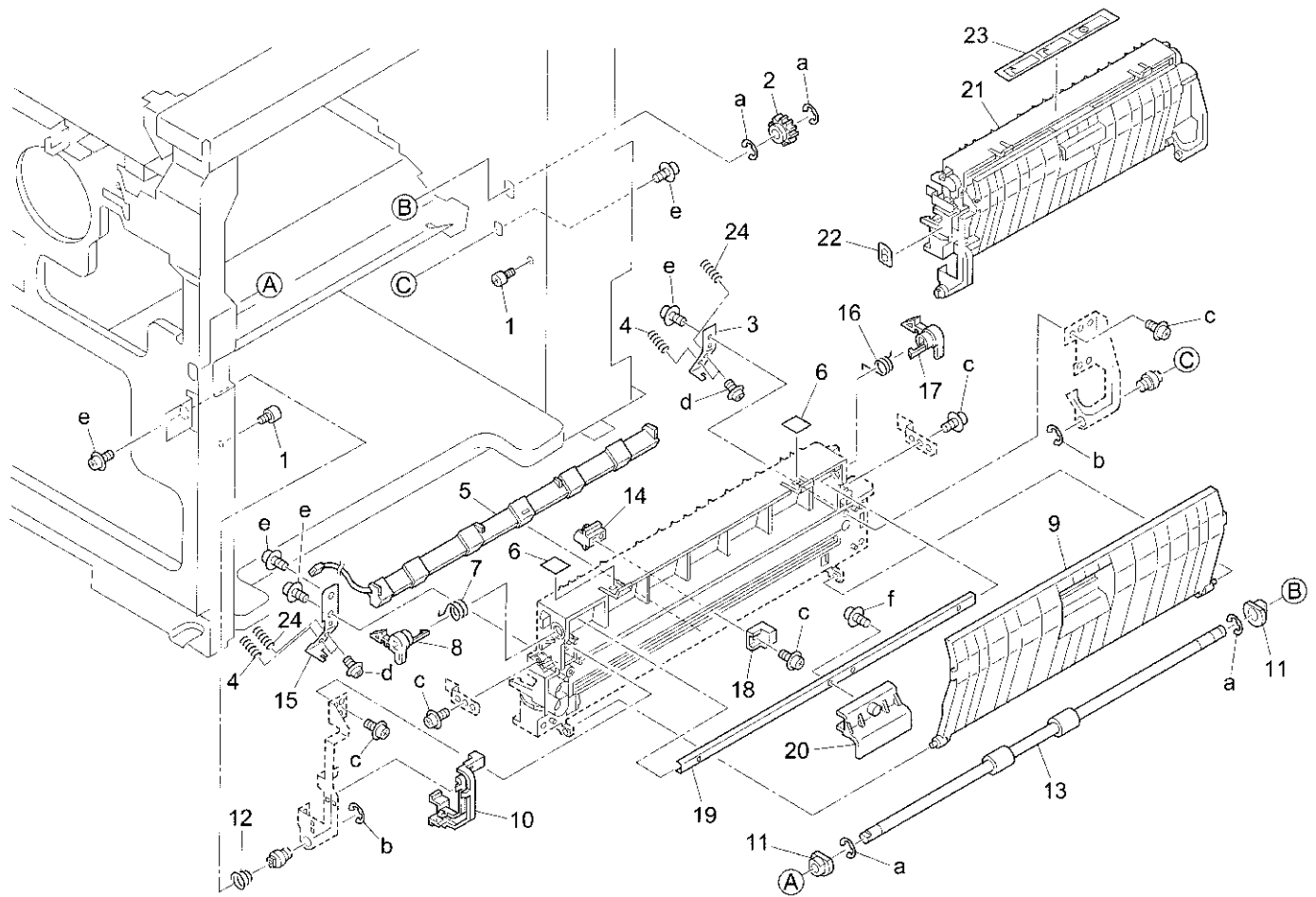
Paper feed unit (lower)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 26NA40090 | Paper feeding rubber |
| 2 | 26NA40080 | Feeding roller |
| 3 | 26NA-4010 | Paper feed lower assembly (7020/7025) |
| 3 | 26PA-4010 | Paper feed lower assembly (7030) |
| 4 | 26NA40671 | Paper feed connecting roller/2 |
| 5 | 40AA76040 | Feeding shaft holder |
| 6 | 40AA40150 | Shaft positioning part |
| 7 | 26NA40510 | Paper feed idler gear (Z=17) |
| 8 | 26NA40110 | Double feed preventive rubber/upper |
| 9 | 26NA40100 | Double feed preventive roller/upper |
| 10 | 26NA40160 | Driving coupling |
| 11 | 26NA-4190 | Solenoid mount plate assembly |
| 12 | 26NA40810 | Paper feeding spring |
| 13 | 26NA82510 | Paper feed solenoid |
| 14 | 26NA40830 | Positioning arm |
| 15 | 26NA40760 | Lever hold spring |
| 16 | 26NA40120 | Double feed preventive rubber/lower |
| 17 | 26NA40500 | Double feed preventive roller |
| 18 | 40AA40181 | Lever click shaft |
| 19 | 40AA40450 | Double feed pressure spring |
| 20 | 26NA50352 | Guide sheet |
| 21 | 26NA40200 | Paper feed protect sheet/2 |
| 22 | 26NA40280 | Paper detecting actuator |
| 23 | 26NA40190 | Paper feed plate/right |
| 24 | 26NA40750 | Paper detecting actuator/2 |
| 25 | 552085510 | Photosensor |
| 26 | 26NA40270 | Side guide plate |
| 27 | 26NA40700 | Shaft positioning part |
| 28 | 540076010 | Paper feed shaft holder |
| 29 | 26NA40820 | Paper feed slide bearing |
| 30 | 26NA40740 | Paper feed guide plate/lower (7020/7025) |
| 30 | 26PA40740 | Paper feed guide plate/lower (7030) |
| 31 | 26NA-4160 | Paper feed enter plate assembly |
| 32 | 26NA40720 | Paper feed conveyance spring |
| 33 | 26NA40880 | Cam release part/rear |
| 34 | 26NA40680 | Paper feed driven roller/lower |
| 35 | 26NA40890 | Slide bearing |
| 36 | 26NA90130 | Paper feed wiring/lower (7020/7025) |
| 36 | 26PA90130 | Paper feed wiring/lower (7030) |
| 37 | 26NA97440 | Lever indication label/2 |
| 38 | 25AA85511 | Photosensor |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| h | 00Z163051 |
| j | 00Z283061 |
| k | 00Z183061 |
| m | 00Z163121 |
| n | 00Z193141 |
| p | 00Z921942 |

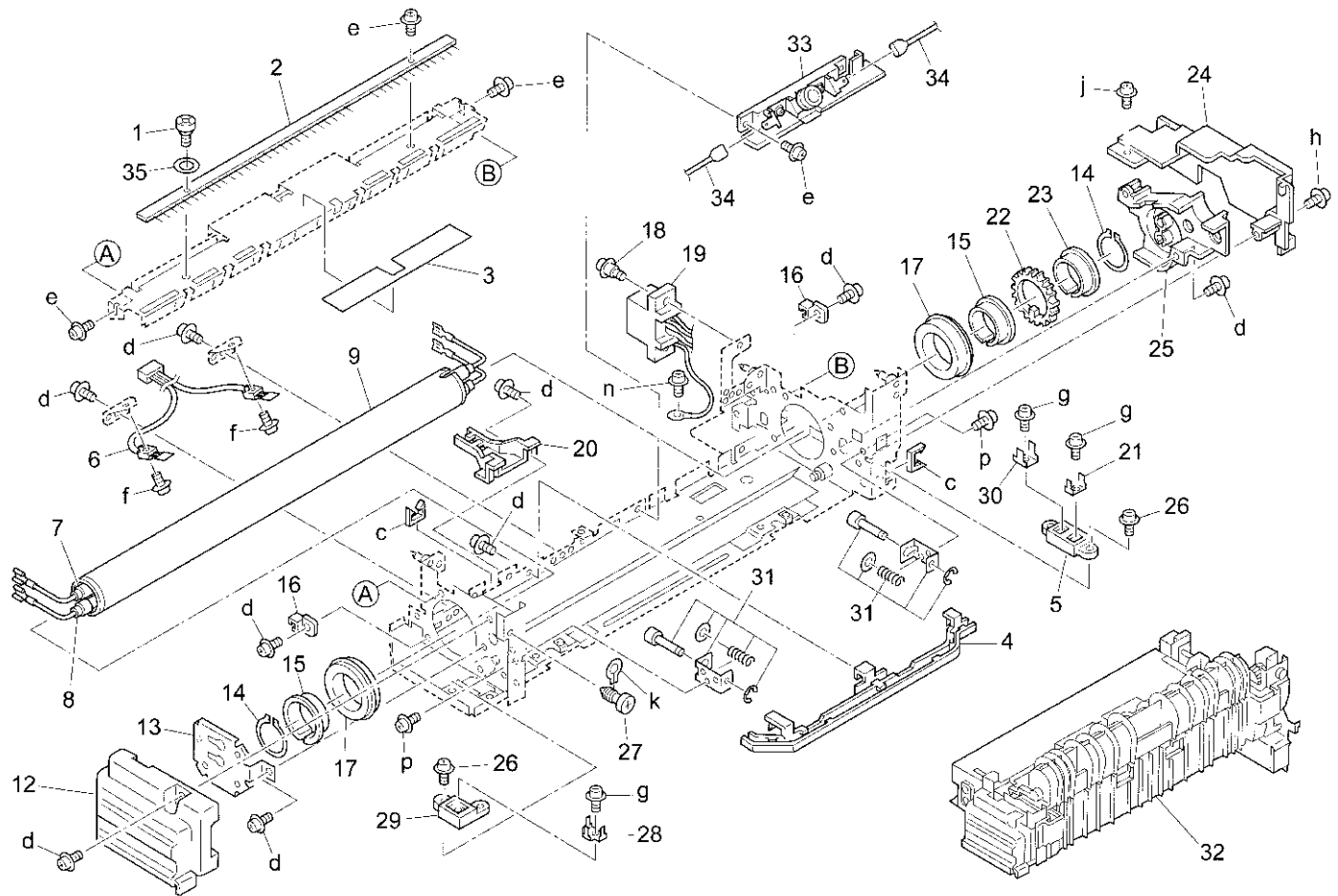
Conveyance unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------|
| 1 | 26NA45430 | Conveyance stopper |
| 2 | 26NA16130 | Clutch gear/1 (Z=27) |
| 3 | 26NA45080 | Lift-up plate |
| 4 | 26NA45071 | Lift-up spring |
| 5 | 26NA-4581 | PTL light shield assembly |
| 6 | 26NA97380 | Open-close label/lower |
| 7 | 26NA45330 | Lock spring/2 |
| 8 | 26NA45220 | Open-close lever |
| 9 | 26NA45340 | Conveyance guide part |
| 10 | 26NA45390 | Cord cover |
| 11 | 466076020 | Paper feeding shaft holder |
| 12 | 26NA45290 | Ground spring |
| 13 | 26NA45030 | Conveyance roller |
| 14 | 26NA45400 | Guide plate |
| 15 | 26NA45090 | Ground plate |
| 16 | 26NA45320 | Lock spring/1 |
| 17 | 26NA45310 | Open-close lever/2 |
| 18 | 26NA45410 | Electrode cleaning knob |
| 19 | 26NA45210 | Conveyance open-close shaft |
| 20 | 26NA45350 | Conveyance knob |
| 21 | 26NA-4500 | Conveyance unit |
| 22 | 26NA97480 | Lever indication label/6 |
| 23 | 26NA97491 | Drum caution label |
| 24 | 26NA45490 | Lifting spring/2 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z253081 |
| d | 00Z113041 |
| e | 00Z193061 |
| f | 00Z243061 |

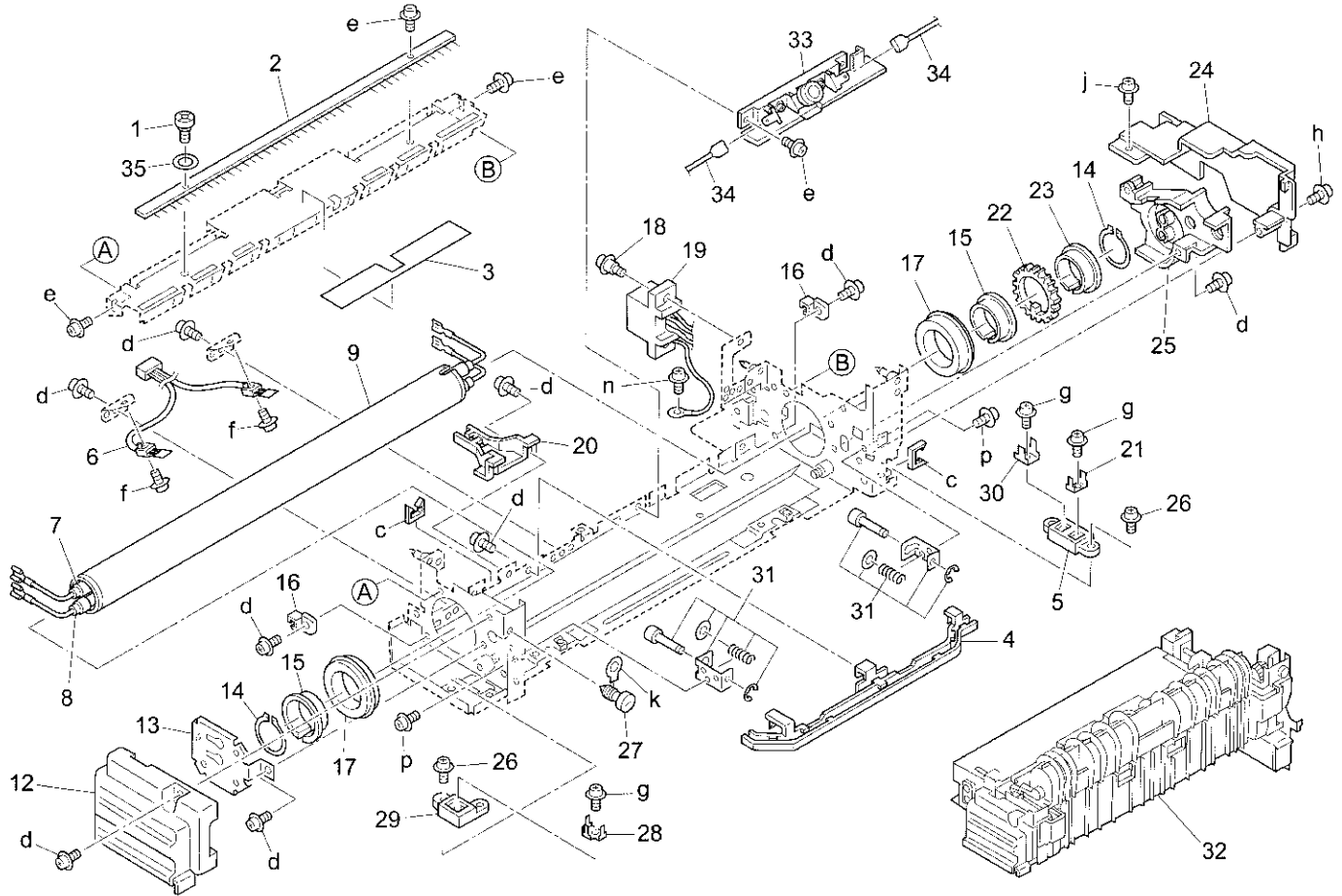
Fixing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 26NA54190 | Fixing guide screw |
| 2 | 26NA54140 | Neutralizing brush |
| 3 | 26NA53500 | Fixing heat insulating sheet/D |
| 4 | 26NA54051 | Wiring guide plate/B |
| 5 | 26NA53770 | Terminal plate/A |
| 6 | 26NA88011 | Fixing sensor |
| 7 | 26NE83020 | Fixing heater/1 |
| 8 | 26NE83030 | Fixing heater/2 |
| 9 | 26NA53030 | Fixing roller/upper (7020/7030) |
| 9 | 26NA53033 | Fixing roller/upper (7025) |
| 10 | * | Not used |
| 11 | * | Not used |
| 12 | 26NA53401 | Fixing cover/front |
| 13 | 26NA53890 | Lamp support part/front |
| 14 | 26NA53620 | Fixing fixed ring |
| 15 | 26NA53720 | Heat insulating sleeve/A |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| c | 00Z921330 |
| d | 00Z193041 |
| e | 00Z163061 |
| f | 00Z163101 |
| g | 00Z153061 |
| h | 00Z193251 |
| j | 00Z193061 |
| k | 00Z600406 |
| n | 00Z164061 |
| p | 00Z183031 |

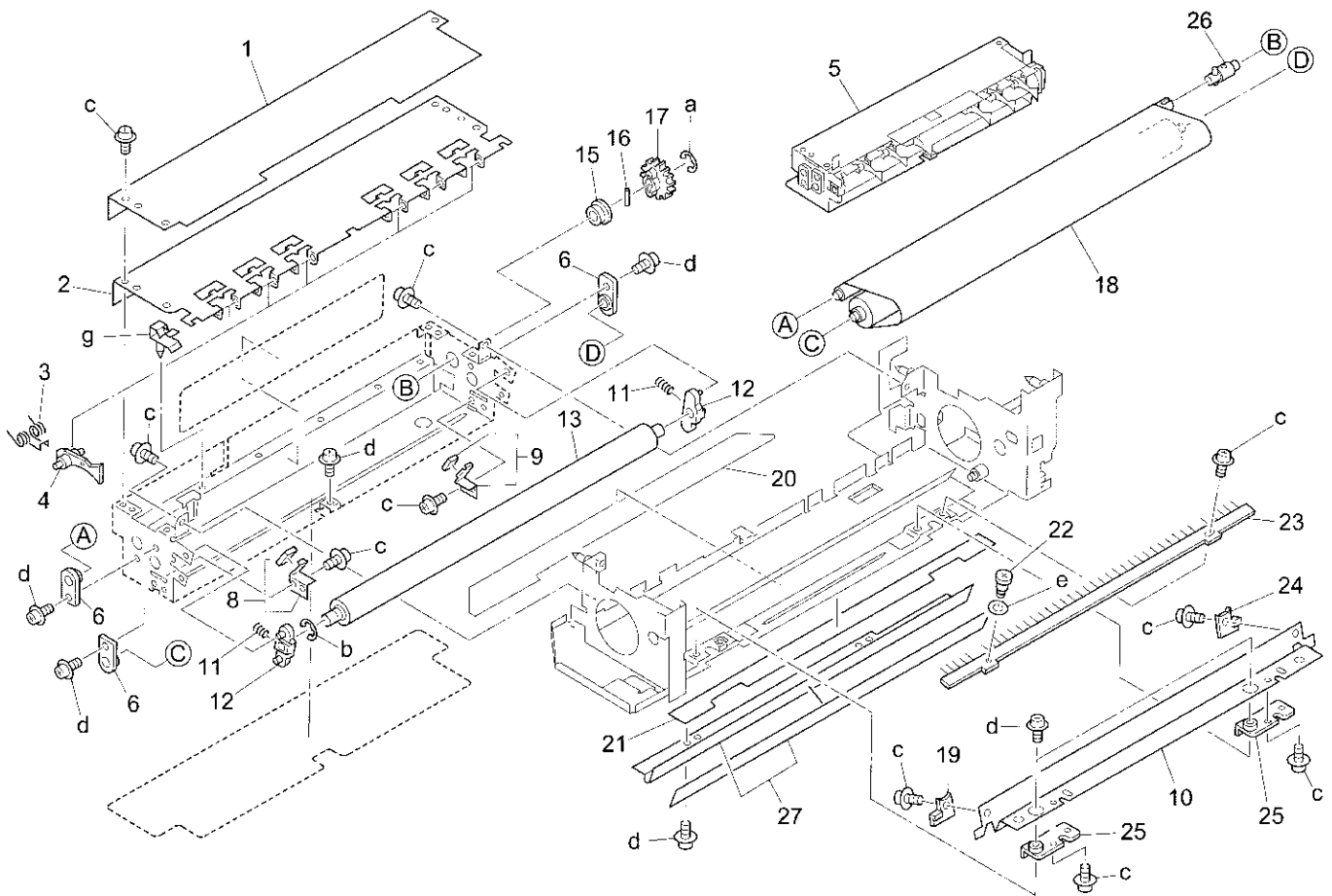
Fixing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------|
| 16 | 26NA53211 | Wiring guide plate/A |
| 17 | 26NA53710 | Fixing shaft holder/upper |
| 18 | 26NA54030 | Mount screw |
| 19 | 26NA90051 | Fixing electrify wiring |
| 20 | 26NA54150 | Wiring guide plate/C |
| 21 | 40AA53470 | Terminal plate/1 |
| 22 | 26NA54060 | Fixing gear (Z=40) |
| 23 | 26NA53730 | Heat insulating sleeve/B |
| 24 | 26NA53410 | Fixing cover/rear |
| 25 | 26NA53900 | Lamp support plate/rear |
| 26 | 26NA54230 | Terminal fixing screw |
| 27 | 26NA53931 | Fixed screw |
| 28 | 26NA54280 | Terminal plate |
| 29 | 26NA53780 | Terminal plate/B |
| 30 | 26NA53740 | Terminal plate/A |
| 31 | 26NA-5461 | Pressure spring assembly |
| 32 | 26NE-5302 | Fixing unit |
| 33 | 26NA-5350 | Fuse mount plate assembly |
| 34 | 26NA90040 | Fuse cord/1 |
| 35 | 26NA54320 | Collar |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| c | 00Z921330 |
| d | 00Z193041 |
| e | 00Z163061 |
| f | 00Z163101 |
| g | 00Z153061 |
| h | 00Z193251 |
| j | 00Z193061 |
| k | 00Z600406 |
| n | 00Z164061 |
| p | 00Z183031 |

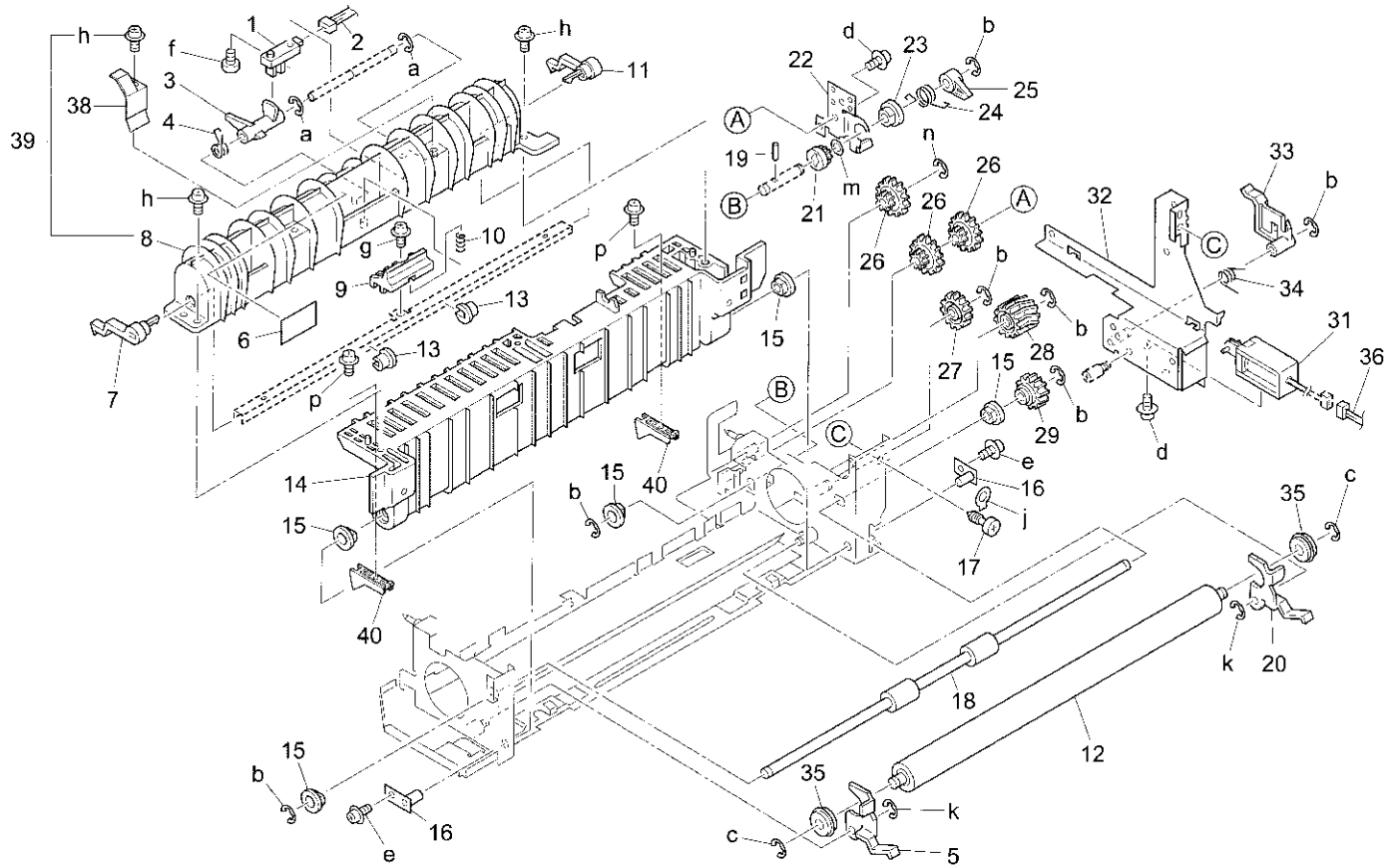
Fixing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26NA53560 | Heat insulating sheet/E |
| 2 | 26NA53270 | Cleaner cover |
| 3 | 26NA54160 | Separate spring |
| 4 | 26NA54270 | Fixing claw |
| 5 | 26NA-5401 | Cleaner assembly |
| 6 | 26NA53510 | Fixing cleaner shaft holder/B |
| 7 | * | Not used |
| 8 | 26NA-5410 | Regulating plate/front assembly |
| 9 | 26NA-5420 | Regulating plate/rear assembly |
| 10 | 26NA53650 | Fixing entrance plate |
| 11 | 26NA53610 | Cleaner pressure spring |
| 12 | 26NA53490 | Fixing cleaner shaft holder/A |
| 13 | 26NA53830 | Fixing cleaner roller |
| 14 | * | Not used |
| 15 | 26NA54300 | Fixing cleaner shaft holder/A |
| 16 | 113620600 | Pin (A) |
| 17 | 26NA53470 | Cleaner gear/B (Z=44) |
| 18 | 26NA53430 | Web |
| 19 | 26NA53680 | Pressure plate/A |
| 20 | 26NA53250 | Fixing heat insulate sheet/B |
| 21 | 26NA53360 | Fixing heat insulate sheet/C |
| 22 | 26NA54190 | Fixing guide screw |
| 23 | 26NA54181 | Neutralizing brush |
| 24 | 26NA54010 | Pressure plate/B |
| 25 | 26NA53790 | Heat insulating plate |
| 26 | 26NA-5430 | Cleaner driving shaft assembly |
| 27 | 26NA-5480 | Fixing entrance plate/2 assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193041 |
| d | 00Z193061 |
| e | 00Z610401 |
| g | 00Z921930 |

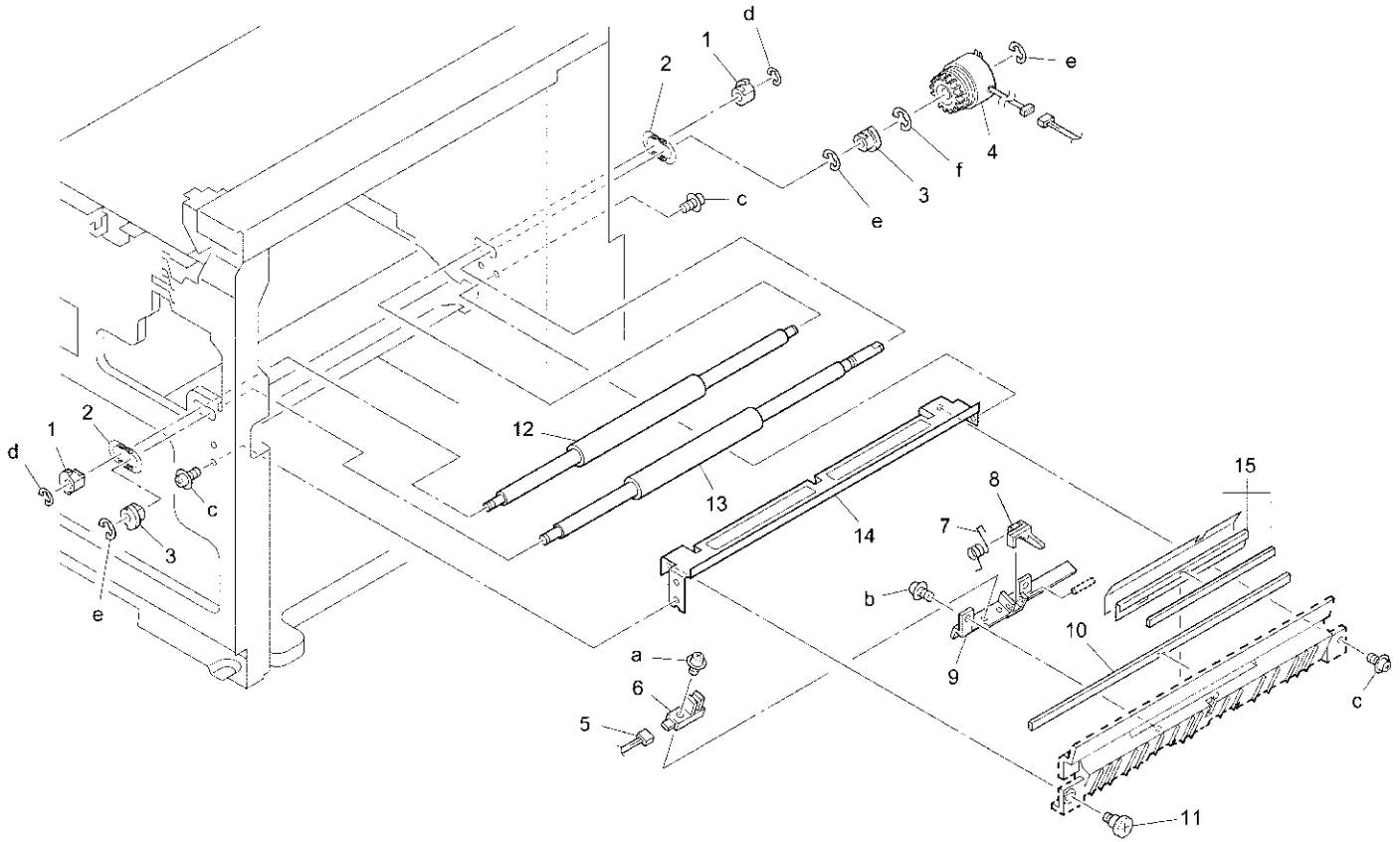
Fixing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 552085510 | Photosensor |
| 2 | 26NA90490 | Fixing relay wiring/2 |
| 3 | 26NA53170 | Fixing paper exit actuator |
| 4 | 26NA53700 | Sensor pressure spring |
| 5 | 26NA53070 | Pressure arm/front |
| 6 | 26NE97470 | Lever indication label/5 |
| 7 | 26NA54070 | Lock plate/front |
| 8 | 26NA53882 | Fixing guide part/2 |
| 9 | 26NA54110 | Open-close lever |
| 10 | 26NA54120 | Open-close spring |
| 11 | 26NA54080 | Lock part/rear |
| 12 | 26NA53040 | Fixing roller/lower |
| 13 | 26NA54100 | Lever shaft holder |
| 14 | 26NA53020 | Fixing guide part |
| 15 | 192141710 | Paper push up lever shaft holder |
| 16 | 26NA-5440 | Rotary shaft/A assembly |
| 17 | 26NA53931 | Fixed screw |
| 18 | 26NA53131 | Conveyance roller |
| 19 | 466078010 | Pin A |
| 20 | 26NA53080 | Pressure arm/rear |
| 21 | 26NA53460 | Cleaner gear/A |
| 22 | 26NA-5470 | Auxiliary part assembly |
| 23 | 26NA53840 | Fixing cleaner shaft holder/C |
| 24 | 26NA53290 | Lever spring |
| 25 | 26NA54040 | Fixing cleaner lever |
| 26 | 26NA54290 | Fixing driving gear/D (Z=18/44) |
| 27 | 26NA53940 | Fixing idler gear/B (Z=21) |
| 28 | 26NA53440 | Fixing idler gear/A (Z=21) |
| 29 | 26NA53450 | Conveyance drive gear (Z=21/21) |
| 30 | * | Not used |
| 31 | 26NA-4890 | ADU Solenoid shaft assembly |
| 32 | 26NA-5510 | Fixing mount rail assembly |
| 33 | 26NA53660 | Solenoid actuator |
| 34 | 26NA53670 | Solenoid spring |
| 35 | 26NA53590 | Fixing shaft holder/lower |
| 36 | 26NA90410 | Web relay wiring |
| 37 | * | Not used |
| 38 | 26NA-5281 | Conveyance guide sheet /2 assembly |
| 39 | SE95-3660 | Fixing guide part assembly |
| 40 | 26NA54310 | Paper guide part |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z163061 |
| e | 00Z193041 |
| f | 00Z253121 |
| g | 00Z193061 |
| h | 00Z253101 |
| j | 00Z600406 |
| k | 00Z670306 |
| m | 00Z610601 |
| n | 00Z670506 |
| p | 00Z253081 |

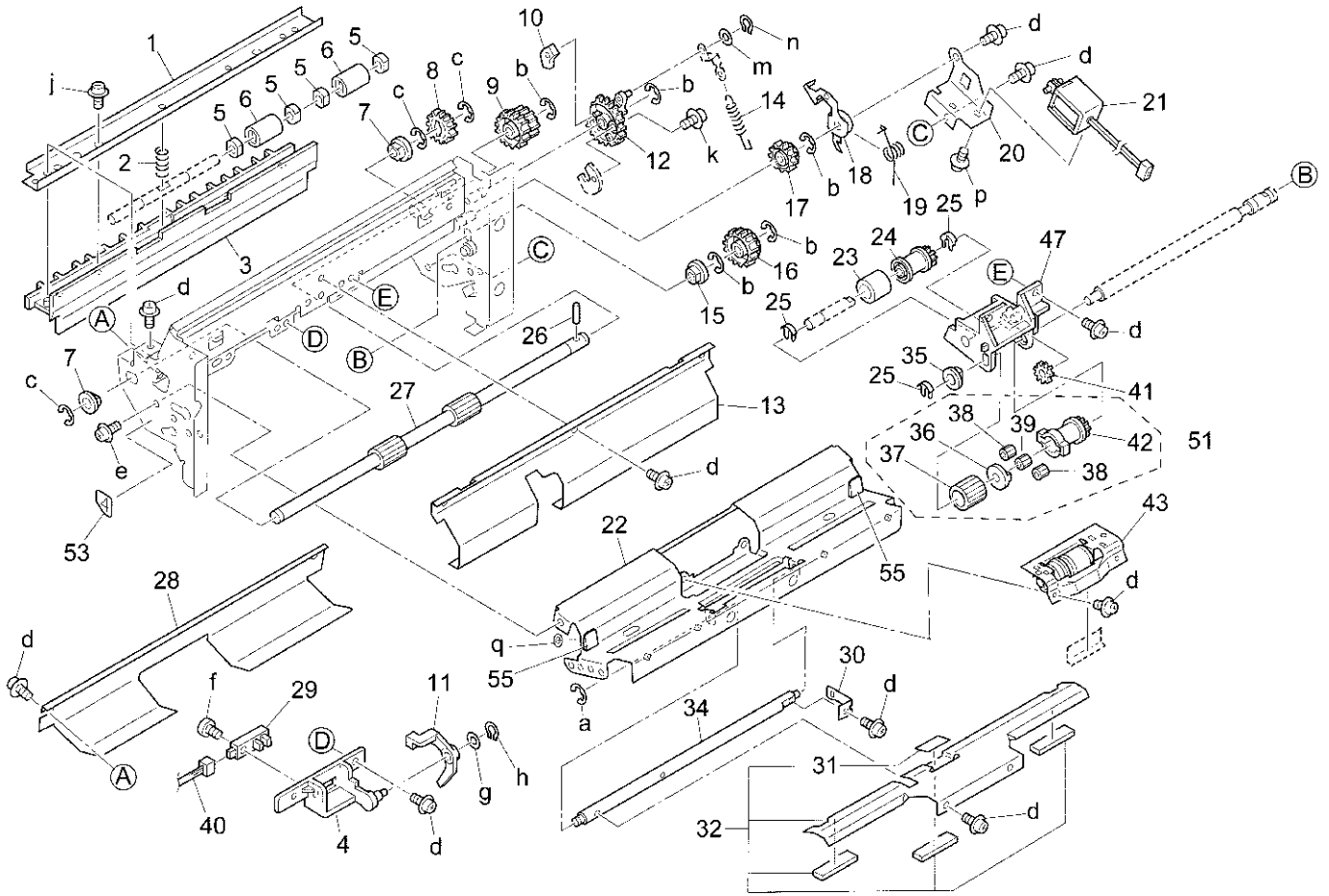
Resist unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26NA45371 | Resist shaft holder/2 |
| 2 | 26NA45140 | Resist spring |
| 3 | 26NA45360 | Resist shaft holder/1 |
| 4 | 26NA82010 | Resist clutch |
| 5 | 26NA90440 | Resist relay wiring |
| 6 | 552085510 | Photosensor |
| 7 | 26NA45170 | Sensor pressure spring |
| 8 | 26NA45160 | Resist actuator |
| 9 | 26NA45150 | Sensor support part |
| 10 | 26NA45450 | Dust proof seal |
| 11 | 26NA45440 | Resist fixed screw |
| 12 | 26NA45130 | Resist roller/B |
| 13 | 26NA45120 | Resist roller/A |
| 14 | 26NA-4520 | Conveyance support plate assembly |
| 15 | 26NA-4540 | Resist cleaner assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253141 |
| b | 00Z253081 |
| c | 00Z193061 |
| d | 00Z670406 |
| e | 00Z670506 |
| f | 00Z670606 |

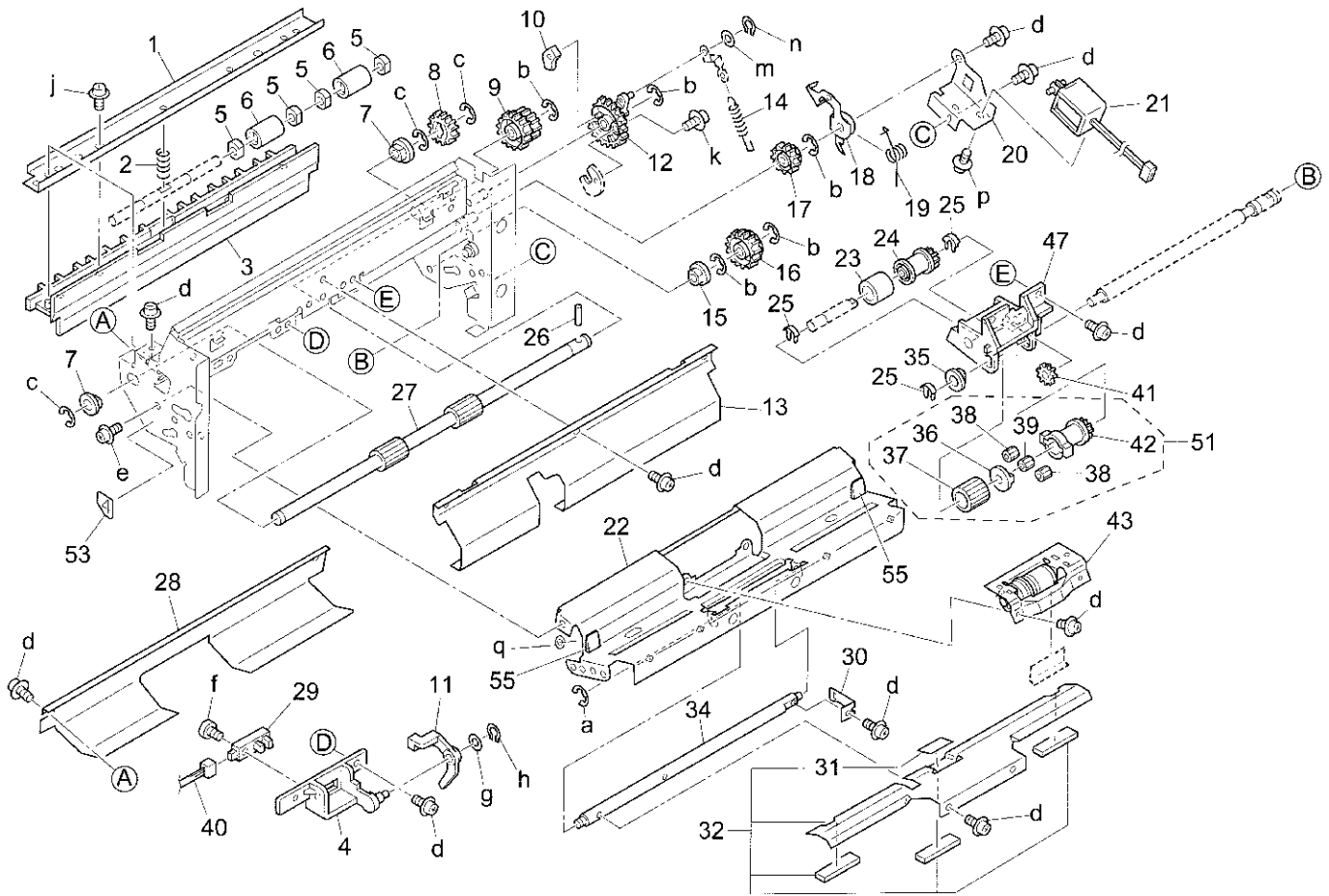
Manual feed unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 26NA42420 | Manual feed auxiliary plate |
| 2 | 26NA42241 | Manual feed conveyance spring |
| 3 | 26NA42010 | Manual feed guide part |
| 4 | 26NA42350 | Sensor support part |
| 5 | 25AA75530 | Slide bearing |
| 6 | 26NA40240 | Paper feed driven roller |
| 7 | 090075530 | Bearing |
| 8 | 26NA42061 | Manual feed conveyance gear (Z=21) |
| 9 | 26NA42050 | Manual feed idler gear/upper (Z=28/30) |
| 10 | 40AA42310 | Manual feed pressure rubber |
| 11 | 26NA42280 | Manual feed detecting part |
| 12 | 26NA42070 | Cam pressure gear (Z=25) |
| 13 | 26NA-4310 | Manual feed cover assembly |
| 14 | 26NA42220 | Manual feed pressure spring |
| 15 | 466076020 | Paper feeding shaft holder |
| 16 | 40AA42270 | Manual feed clutch |
| 17 | 26NA42040 | Manual feed idler gear/lower (Z=22) |
| 18 | 26NA42030 | Manual feed driving cam |
| 19 | 26NA42210 | Cam spring |
| 20 | 26NA42270 | Solenoid mount plate |
| 21 | 26NA-5090 | Manual feed solenoid assembly |
| 22 | 26NA42251 | Manual feed guide plate |
| 23 | 540040562 | Paper supply rubber |
| 24 | 40AA42100 | Manual feed conveyance roller |
| 25 | 40AA40150 | Shaft positioning part |
| 26 | 304078040 | Pin B |
| 27 | 26NA42021 | Manual feed conveyance roller |
| 28 | 26NA42480 | Bypass feed guide plate/upper |
| 29 | 552085510 | Photosensor |
| 30 | 26NA42410 | Manual feed lift-up lever |
| 31 | 540042350 | Double feed preventive plate |
| 32 | 26NA-4221 | Manual feed lift-up plate assembly |
| 33 | * | Not used |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z193061 |
| e | 00Z183063 |
| f | 00Z253141 |
| g | 00Z610401 |
| h | 00Z660406 |
| j | 00Z253081 |
| k | 00Z183041 |
| m | 00Z610301 |
| n | 00Z660306 |
| p | 00Z193041 |
| q | 00Z660306 |

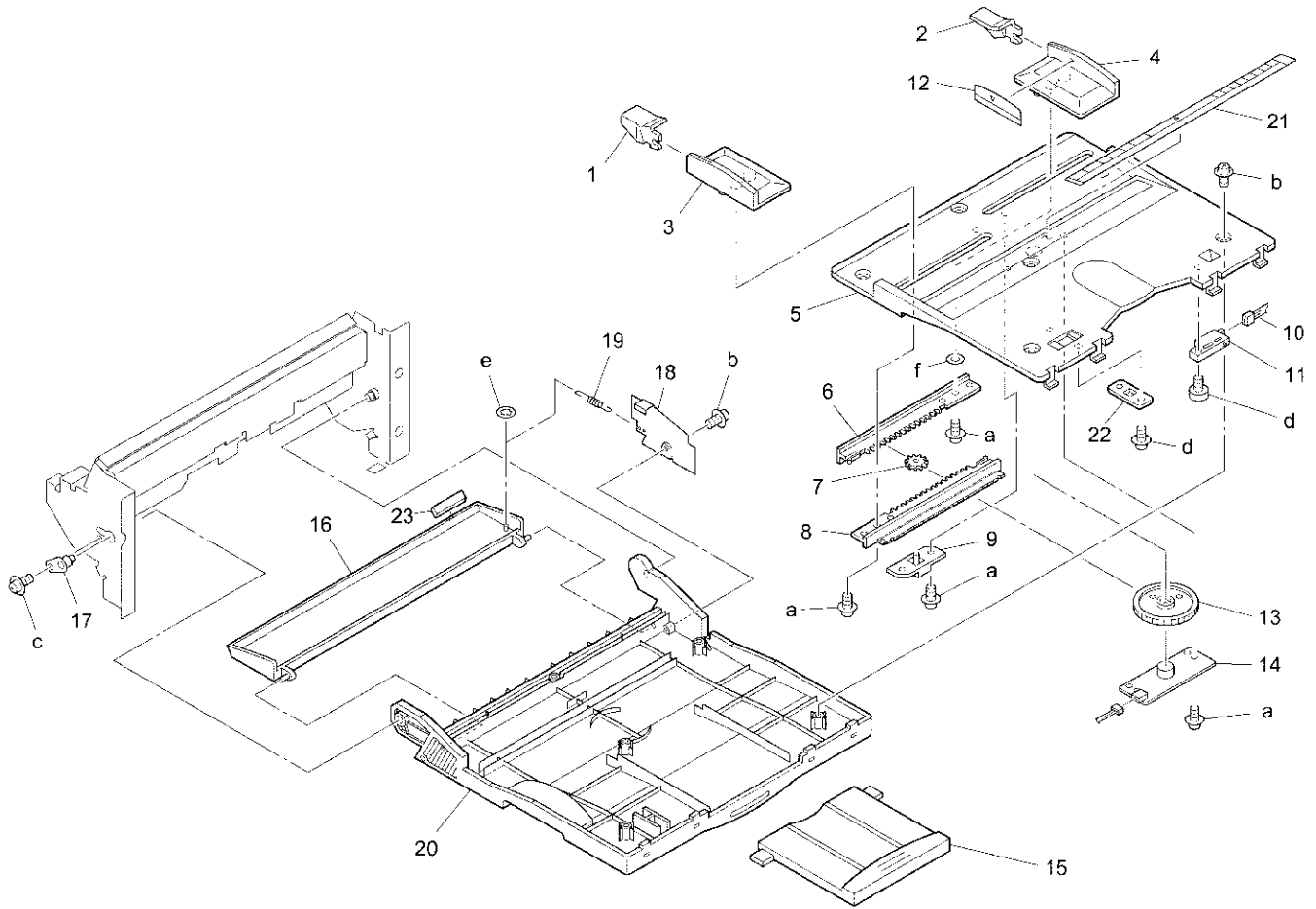
Manual feed unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 34 | 26NA42200 | Manual feed lift-up shaft |
| 35 | 540076010 | Paper feed shaft holder |
| 36 | 26NA42590 | Cover |
| 37 | 25BA40320 | Paper feeding rubber |
| 38 | 26NA42630 | Clutch lock gear (Z=10) |
| 39 | 26NA42610 | Clutch standard gear |
| 40 | 26NA90140 | Manual feed wiring |
| 41 | 26NA42580 | Gear (D) (Z=16) |
| 42 | 26NA42600 | Manual feed roller |
| 43 | 26NA-4241 | Manual feed paper guide assembly |
| 44 | * | Not used |
| 45 | * | Not used |
| 46 | * | Not used |
| 47 | 26NA42081 | Manual feed part |
| 48 | * | Not used |
| 49 | * | Not used |
| 50 | * | Not used |
| 51 | 26NA-4280 | Manual feed pick up assembly/2 |
| 52 | * | Not used |
| 53 | 26NA97460 | Lever indication label/4 |
| 54 | * | Not used |
| 55 | 26NA42570 | Manual feed guide spacer |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z193061 |
| e | 00Z183063 |
| f | 00Z253141 |
| g | 00Z610401 |
| h | 00Z660406 |
| j | 00Z253081 |
| k | 00Z183041 |
| m | 00Z610301 |
| n | 00Z660306 |
| p | 00Z193041 |
| q | 00Z660306 |

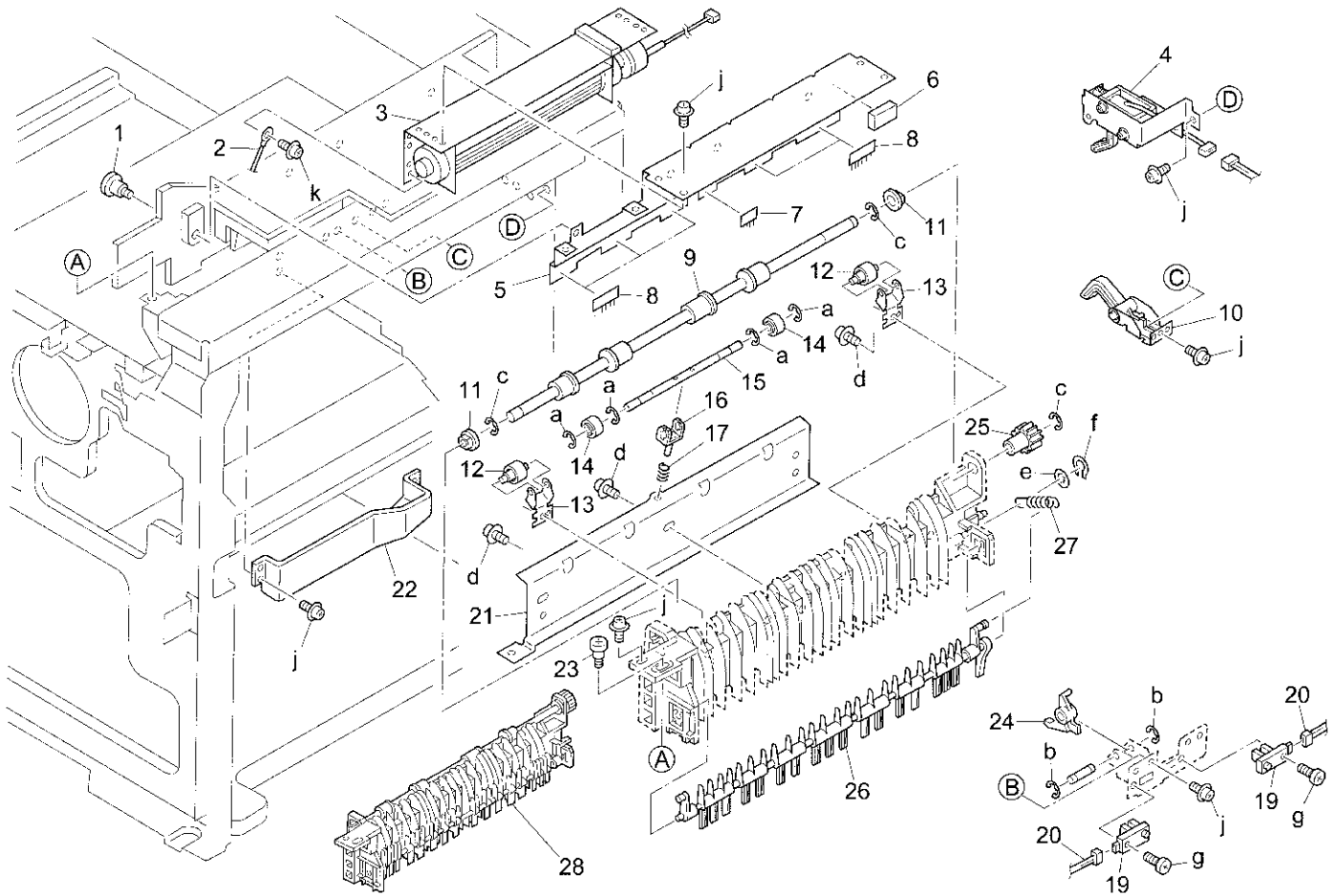
Manual feed unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA42330 | Paper guide plate/front |
| 2 | 26NA42340 | Paper guide plate/rear |
| 3 | 26NA42391 | Paper regulating part/front |
| 4 | 26NA42401 | Paper regulating part/rear |
| 5 | 26NA42170 | Manual feed tray/upper |
| 6 | 396040611 | Rack plate |
| 7 | 466077130 | Pinion |
| 8 | 26NA42440 | Rack plate/A |
| 9 | 540042120 | Slide holder/1 |
| 10 | 26NA90450 | Bypass feed detecting wiring |
| 11 | 55WA85520 | Photosensor/2 |
| 12 | 26NA97350 | Manual feed label/2 |
| 13 | 26NA42450 | Pinion/A (Z=124) |
| 14 | 13FG-9330 | Size detecting board assembly |
| 15 | 26NA42320 | Manual feed auxiliary tray |
| 16 | 26NA42300 | Manual feed cover |
| 17 | 26NA-4290 | Manual feed fulcrum plate assembly |
| 18 | 26NA42490 | Wiring plate |
| 19 | 26NA42380 | Manual feed open-close spring/rear |
| 20 | 26NA42181 | Manual feed tray/lower |
| 21 | 26NA97270 | Manual feed label/1 |
| 22 | 26NA42550 | Magnet pressure plate |
| 23 | 26NA42620 | Manual feed sticking part/3 |

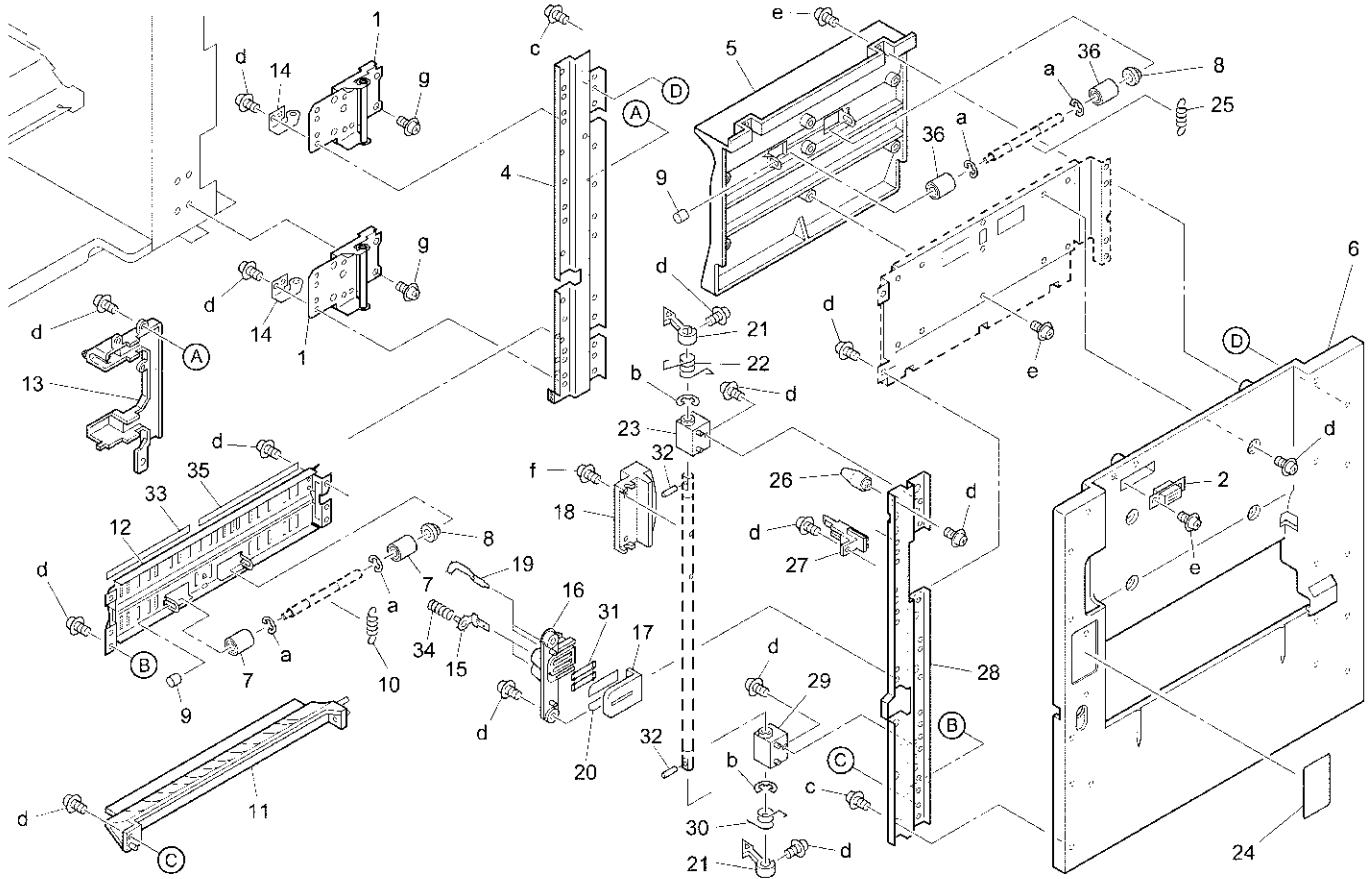
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z253082 |
| c | 00Z193061 |
| d | 00Z253181 |
| e | 00Z660306 |
| f | 00Z610301 |

Paper exit unit



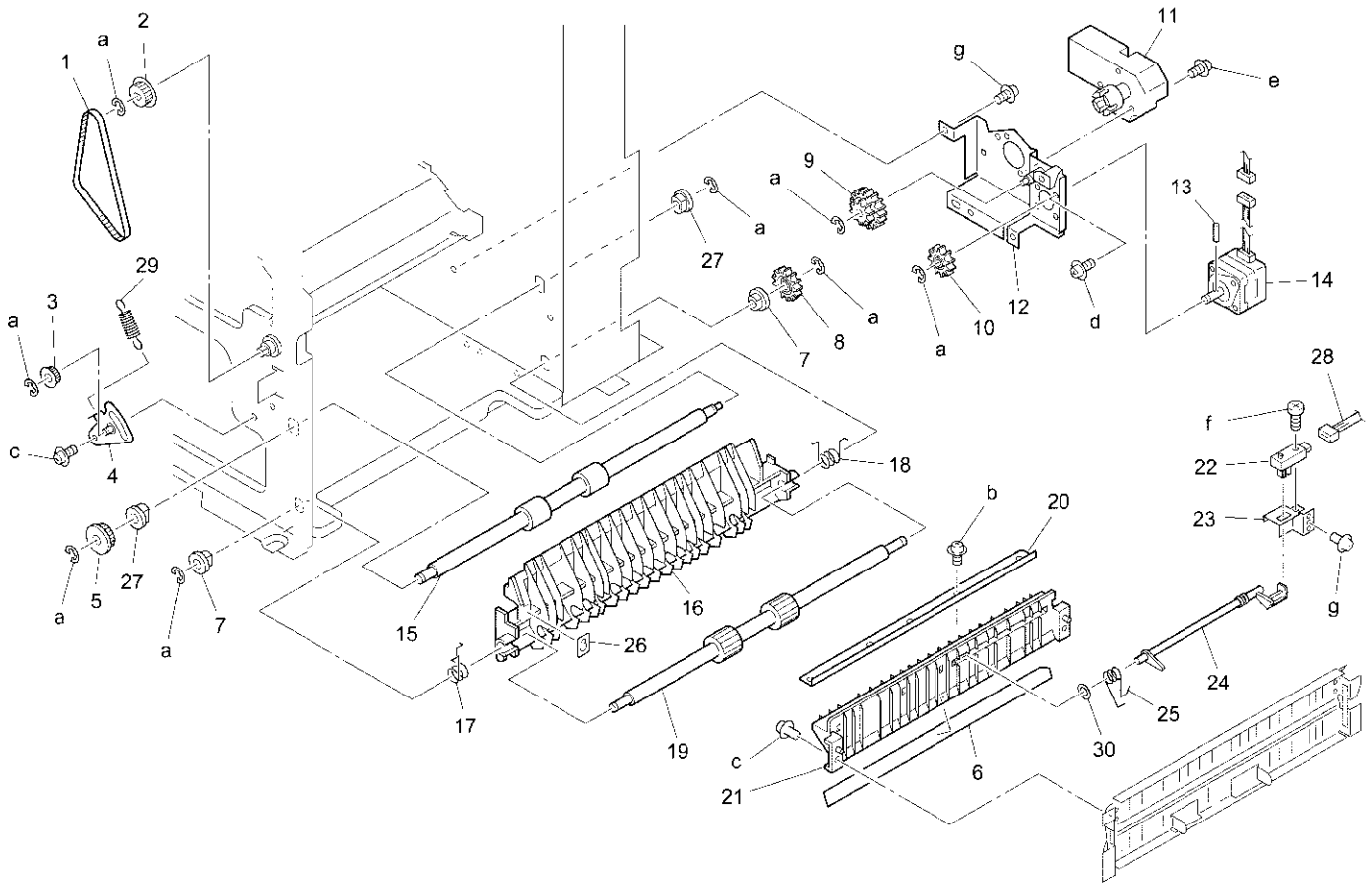
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA12430 | External fixed screw |
| 2 | 26NA90470 | Paper exit ground wiring |
| 3 | 26NA-7390 | Fan motor assembly |
| 4 | 26NA-4870 | ADU change solenoid assembly |
| 5 | 26NA48190 | Neutralizing plate |
| 6 | 26NA12490 | Cushion/C |
| 7 | 26NA48220 | Neutralizing brush/B |
| 8 | 26NA48210 | Neutralizing brush/A |
| 9 | 26NA48020 | Paper exit roller |
| 10 | 26NA-4920 | Paper exit sensor assembly/2 |
| 11 | 508053460 | Paper exit slide shaft holder |
| 12 | 26NA48120 | Paper exit driven roller |
| 13 | 26NA48130 | Paper exit driven spring |
| 14 | 26NA48070 | Paper exit driven roller |
| 15 | 26NA48081 | Paper exit driven shaft |
| 16 | 26NA48140 | Paper exit driven part |
| 17 | 26NA48100 | Paper exit spring |
| 18 | * | Not used |
| 19 | 552085510 | Photosensor |
| 20 | 26NA90170 | Paper exit detecting wiring |
| 21 | 26NA48010 | Paper exit stay |
| 22 | 26NA48260 | Cover |
| 23 | 26NA45440 | Resist fixed screw |
| 24 | 26NA48240 | Paper exit actuator/2 |
| 25 | 26NA15740 | Paper exit gear (Z=26) |
| 26 | 26NA48250 | Paper exit guide part |
| 27 | 26NA48110 | Tension spring |
| 28 | 26NA-4801 | Paper exit unit |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z670306 |
| c | 00Z670406 |
| d | 00Z253081 |
| e | 00Z610301 |
| f | 00Z660306 |
| g | 00Z193101 |
| j | 00Z193061 |
| k | 00Z183061 |



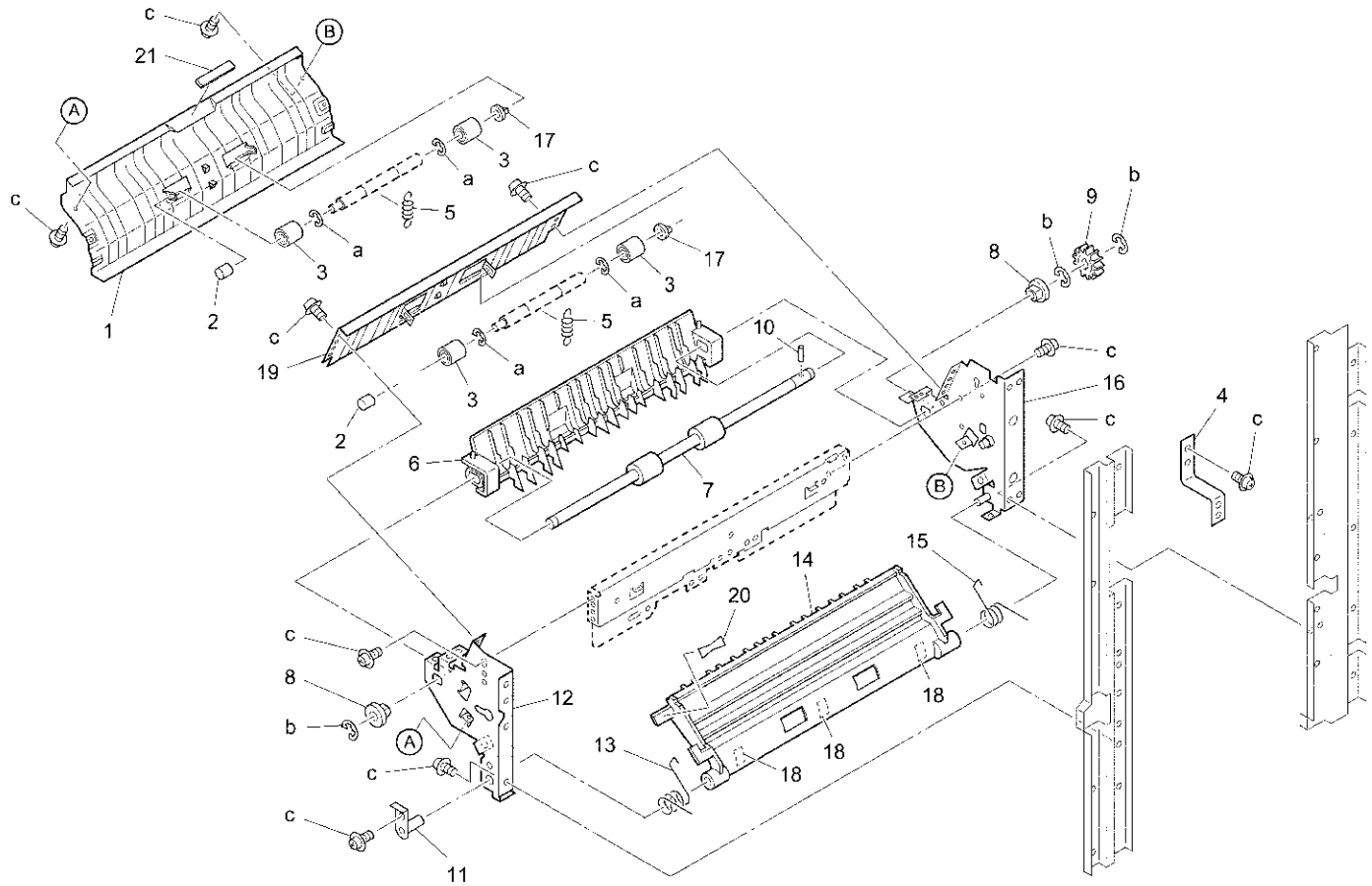
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA-5040 | Hinge assembly |
| 2 | 059010620 | Magnet catch |
| 3 | * | Not used |
| 4 | 26NA-5080 | ADU reinforcing stay/rear assembly |
| 5 | 26NA50792 | ADU guide plate/upper |
| 6 | 26NA50010 | ADU cover |
| 7 | 26NA50290 | Pressure roller |
| 8 | 26NA51060 | Driven shaft holder |
| 9 | 552012250 | Roller/B |
| 10 | 26NA50900 | Reversing spring |
| 11 | 26NA50230 | Conveyance guide part/lower |
| 12 | 26NA50811 | Conveyance guide plate/lower |
| 13 | 26NA50660 | Wiring cover |
| 14 | 26NA50770 | Hinge click plate |
| 15 | 26NA-5260 | High voltage part assembly |
| 16 | 26NA50532 | High voltage casing/B |
| 17 | 26NA50521 | High voltage casing/A |
| 18 | 26NA50091 | Open-close knob |
| 19 | 26NA50460 | High voltage part/upper |
| 20 | 26NA50971 | Insulating sheet |
| 21 | 26NA50961 | ADU lock claw |
| 22 | 26NA50330 | Conveyance lock spring |
| 23 | 26NA50630 | Shaft holder part/upper |
| 24 | 26NA97410 | ADU open close label |
| 25 | 26NA50890 | Conveyance pressure spring |
| 26 | 26NA50721 | ADU positioning pin/front |
| 27 | 26NA50870 | ADU open-close actuator |
| 28 | 26NA50840 | ADU reinforce stay/front |
| 29 | 26NA5064 0 | Shaft holder part/lower |
| 30 | 26NA5076 0 | Conveyance lock spring/lower |
| 31 | 26NA5095 0 | High voltage fixed part |
| 32 | 46607801 0 | Pin A |
| 33 | 26NA5099 1 | Conveyance sheet |
| 34 | 26NA7325 1 | Electrode connecting spring/A |
| 35 | 26NA5102 0 | Conveyance sheet/front |
| 36 | 26NA5107 0 | Pressure roller/upper |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z254081 |
| d | 00Z193061 |
| e | 00Z253081 |
| f | 00Z163101 |
| g | 00Z283061 |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA50450 | Driving belt (L=300) |
| 2 | 26NA50430 | Conveyance pulley/B (Z=28) |
| 3 | 26NA50370 | Idler pulley (Z=18) |
| 4 | 26NA-5140 | Tension plate assembly |
| 5 | 26NA50420 | Conveyance pulley/A (Z=28) |
| 6 | 26NA50340 | Reversal sheet |
| 7 | 508053460 | Paper exit slide shaft holder |
| 8 | 26NA50150 | Reversal gear (Z=29) |
| 9 | 26NA50170 | ADU idler gear (Z=23/38) |
| 10 | 26NA50160 | Motor gear (Z=24) |
| 11 | 26NA80041 | Cassette driving motor |
| 12 | 26NA-5110 | Motor mount plate assembly |
| 13 | 113620600 | Pin (A) |
| 14 | 26NA80090 | ADU driving motor |
| 15 | 26NA50240 | ADU guide roller |
| 16 | 26NA50031 | Guide part/lower |
| 17 | 26NA50710 | Lift-up spring/front |
| 18 | 26NA50400 | Lift-up spring |
| 19 | 26NA50110 | Reversal roller |
| 20 | 26NA50680 | Conveyance reinforcing plate |
| 21 | 26NA50020 | Guide part/middle |
| 22 | 552085510 | Photosensor |
| 23 | 26NA50190 | Sensor mount plate |
| 24 | 26NA50070 | Reversal actuator |
| 25 | 26NA50360 | Conveyance guide spring |
| 26 | 26NA97450 | Lever indication label/3 |
| 27 | 466076020 | Paper feeding shaft holder |
| 28 | 26NA90330 | Sensor relay wiring/3 |
| 29 | 26NA51030 | Tension spring |
| 30 | 26NA50920 | Reversal spacer |

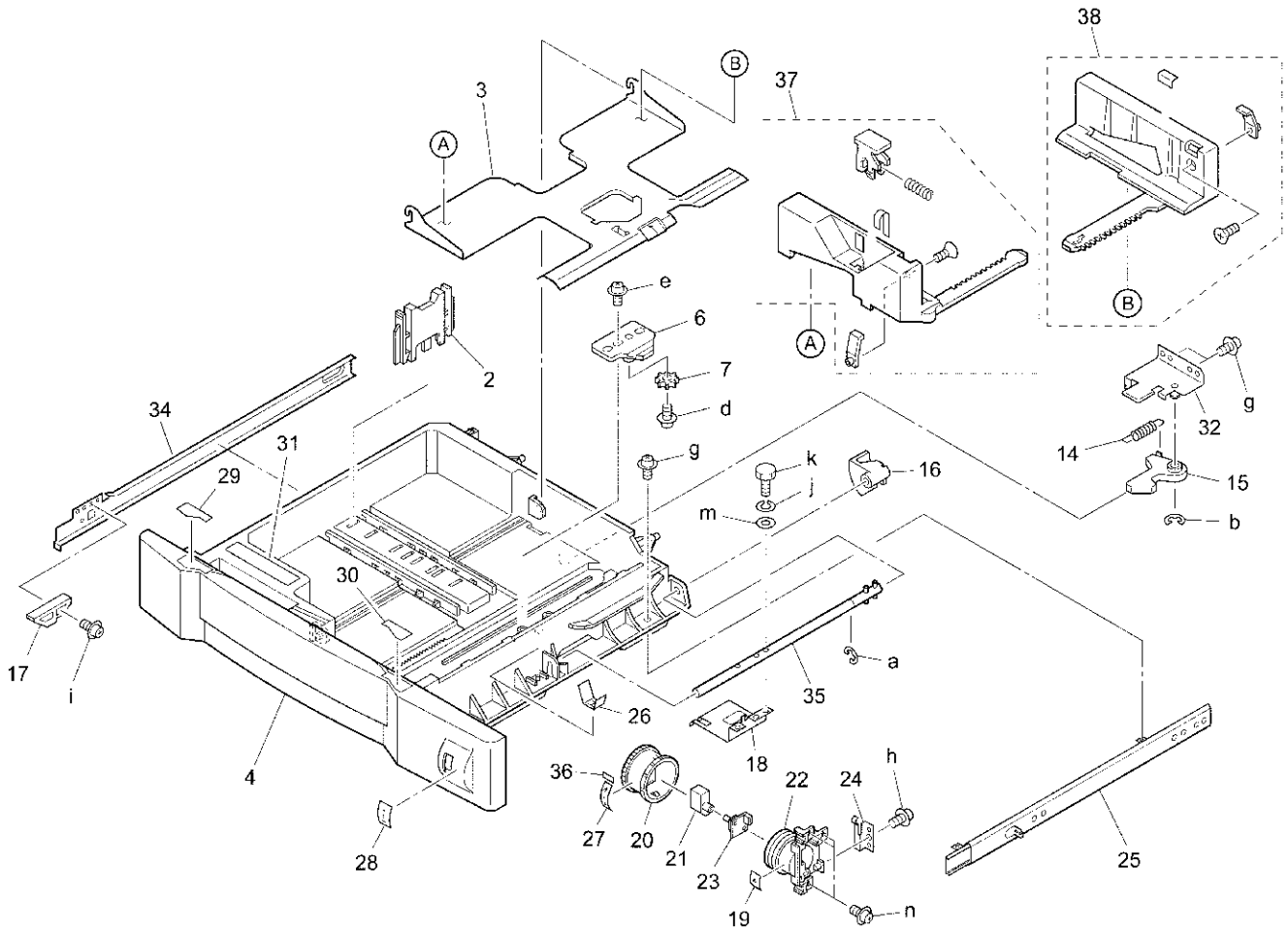
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z253081 |
| c | 00Z193061 |
| d | 00Z163061 |
| e | 00Z193201 |
| f | 00Z193101 |
| g | 00Z283061 |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA50800 | Conveyance guide plate/middle |
| 2 | 552012250 | Roller/B |
| 3 | 26NA50290 | Pressure roller |
| 4 | 26NA50780 | ADU open-close belt |
| 5 | 26NA50890 | Conveyance pressure spring |
| 6 | 26NA50670 | Paper guide part/upper |
| 7 | 26NA42021 | Manual feed conveyance roller |
| 8 | 090075530 | Bearing |
| 9 | 26NA42061 | Manual feed conveyance gear (Z=21) |
| 10 | 304078040 | Pin B |
| 11 | 26NA-5160 | Fulcrum plate assembly |
| 12 | 26NA50570 | ADU conveyance panel/front |
| 13 | 26NA50540 | Open-close spring/front |
| 14 | 26NA50061 | Paper guide part/lower |
| 15 | 26NA50550 | Open-close spring/rear |
| 16 | 26NA-5151 | ADU conveyance panel assembly |
| 17 | 26NA51060 | Driven shaft holder |
| 18 | 26NA50910 | Slide sheet |
| 19 | 26NA50880 | Conveyance guide plate/upper |
| 20 | 26NA97370 | Open-close label/upper |
| 21 | 26NA42540 | Manual feed sticking part/2 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670606 |
| c | 00Z193061 |

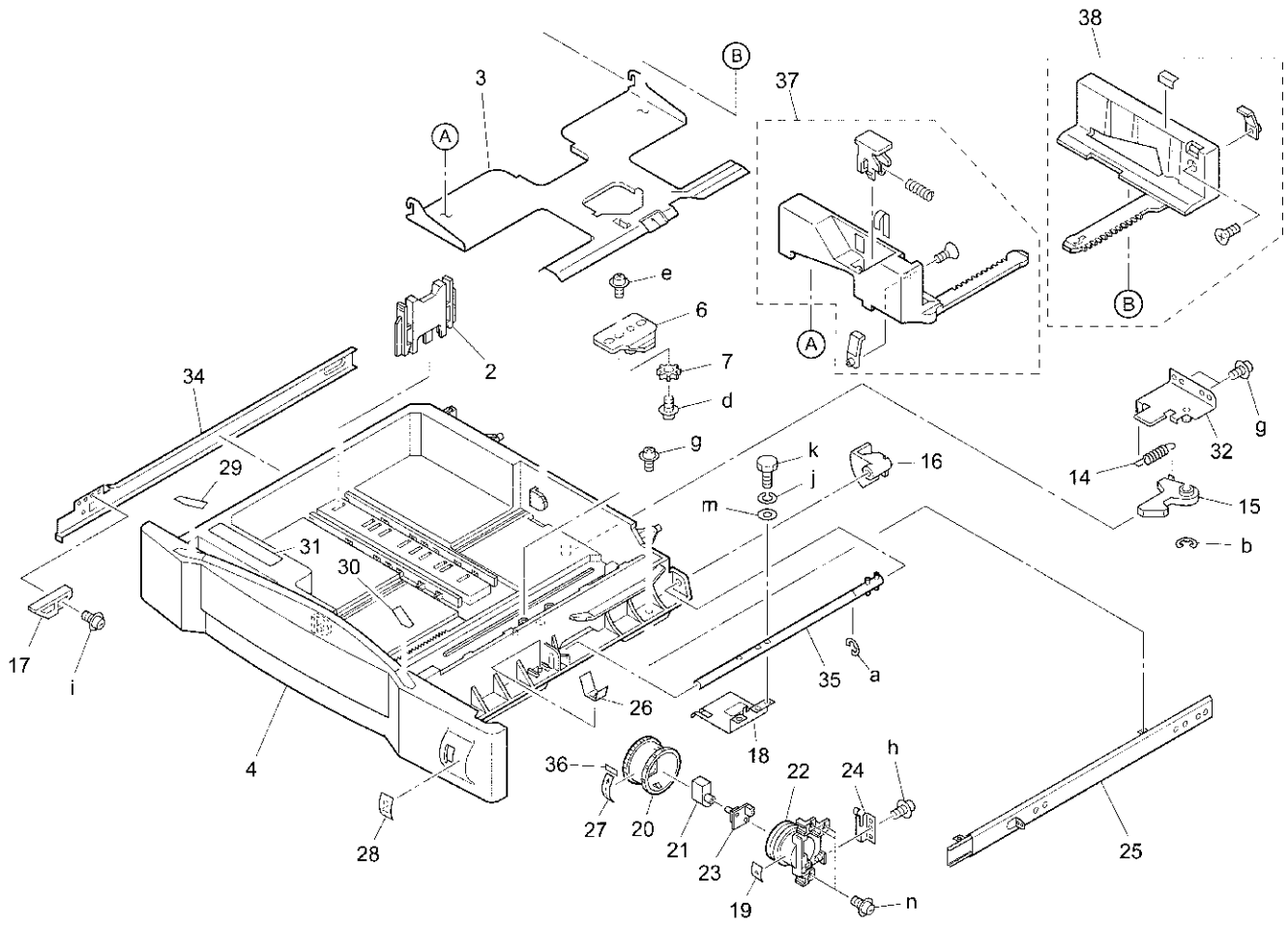
Upper cassette



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | * | Not used |
| 2 | 26NA47040 | Paper regulating plate/left |
| 3 | 26NA-4740 | Lift-up bottom plate assembly |
| 4 | 26NA47013 | Cassette base/upper |
| 5 | * | Not used |
| 6 | 40AA47130 | Adjusting plate |
| 7 | 40AA77290 | Pinion (Z=16) |
| 8 | * | Not used |
| 9 | * | Not used |
| 10 | * | Not used |
| 11 | * | Not used |
| 12 | * | Not used |
| 13 | * | Not used |
| 14 | 26NA47390 | Cassette fixed spring |
| 15 | 25BA47461 | Cassette positioning catch/U |
| 16 | 26NA47291 | Cassette remained detecting actuator |
| 17 | 26NA47350 | Cassette stopper |
| 18 | 26NA47060 | Paper lift-up plate |
| 19 | 26NA97300 | Cassette click label |
| 20 | 26NA47260 | Paper feed indication plate/front |
| 21 | 26NA47240 | Cassette detecting connector |
| 22 | 26NA47250 | Cassette detecting base |
| 23 | 26NA-9200 | Size detecting board assembly |
| 24 | 26NA47280 | Spring lock plate |
| 25 | 26NA10061 | Cassette rail/right |
| 26 | 26NA47300 | Ground plate |
| 27 | 26NE97280 | Cassette indication label/upper |
| 28 | 26NA97390 | Cassette indication label/1 |
| 29 | 26NA47310 | Cassette cover plate/1 |
| 30 | 26NA47320 | Cassette cover plate/2 |
| 31 | 26NA97310 | Paper supply label |
| 32 | 26NA-4780 | Cassette lock assembly |
| 33 | * | Not used |
| 34 | 26NA10070 | Cassette rail/left |
| 35 | 26NA-4760 | Lift-up shaft assembly |
| 36 | 26NA47380 | Fixing seal |
| 37 | 26NA-4721 | Side regulating/front assembly |
| 38 | 26NA-4730 | Side regulating/rear assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| d | 00Z254081 |
| e | 00Z254121 |
| g | 00Z283061 |
| h | 00Z253081 |
| i | 00Z183061 |
| j | 00Z620301 |
| k | 00Z463103 |
| m | 00Z610301 |
| n | 00Z193061 |

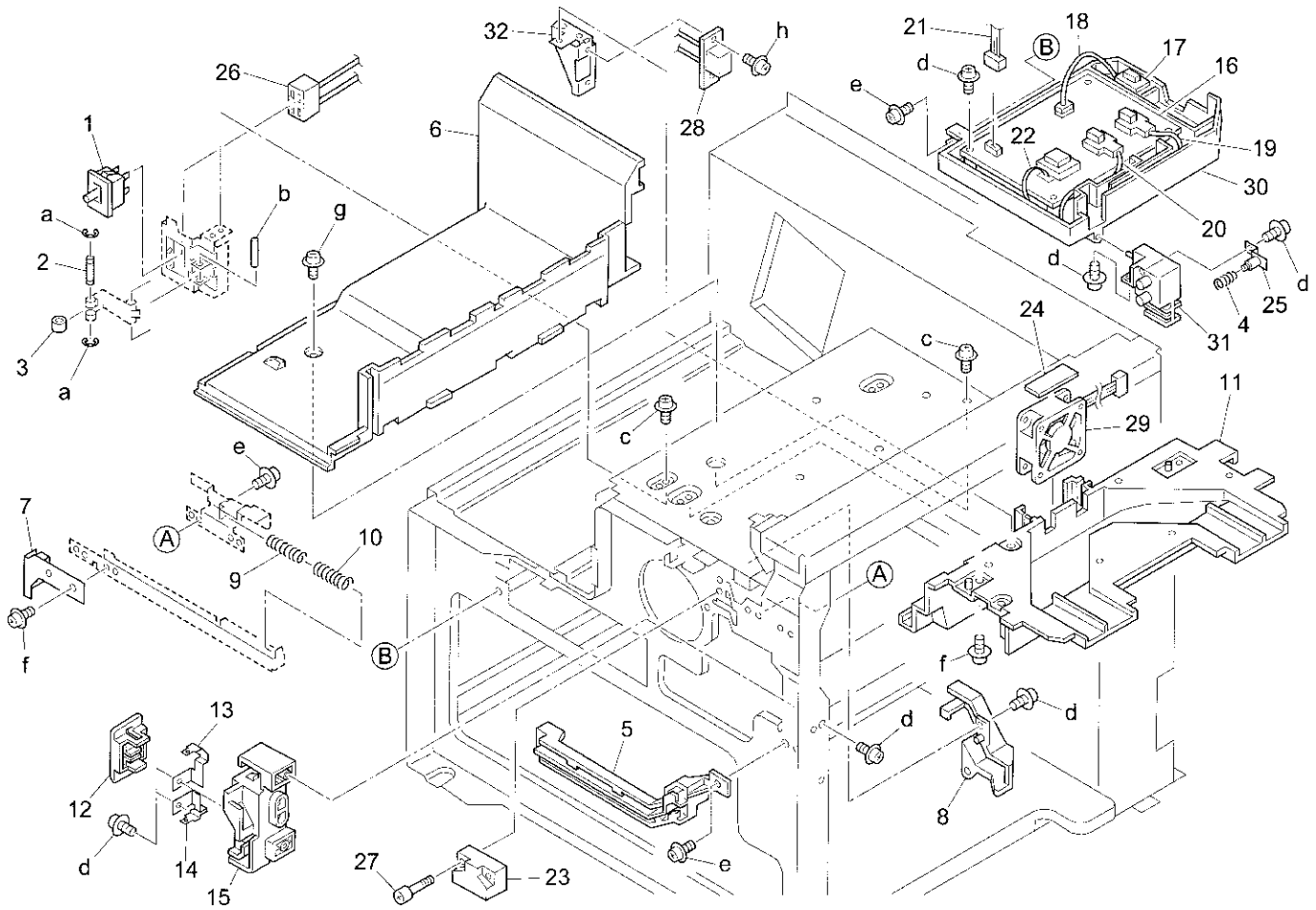
Lower cassette



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | * | Not used |
| 2 | 26NA47040 | Paper regulating plate/left |
| 3 | 26NA-4740 | Lift-up bottom plate assembly |
| 4 | 26NA47023 | Cassette base/lower |
| 5 | * | Not used |
| 6 | 40AA47130 | Adjusting plate |
| 7 | 40AA77290 | Pinion (Z=16) |
| 8 | * | Not used |
| 9 | * | Not used |
| 10 | * | Not used |
| 11 | * | Not used |
| 12 | * | Not used |
| 13 | * | Not used |
| 14 | 26NA47390 | Cassette fixed spring |
| 15 | 25BA47461 | Cassette positioning catch/U |
| 16 | 26NA47291 | Cassette remained detecting actuator |
| 17 | 26NA47350 | Cassette stopper |
| 18 | 26NA47060 | Paper lift-up plate |
| 19 | 26NA97300 | Cassette click label |
| 20 | 26NA47260 | Paper feed indication plate/front |
| 21 | 26NA47240 | Cassette detecting connector |
| 22 | 26NA47250 | Cassette detecting base |
| 23 | 26NA-9200 | Size detecting board assembly |
| 24 | 26NA47280 | Spring lock plate |
| 25 | 26NA10061 | Cassette rail/right |
| 26 | 26NA47300 | Ground plate |
| 27 | 26NE97290 | Cassette indication label/lower |
| 28 | 26NA97400 | Cassette indication label/2 |
| 29 | 26NA47330 | Cassette cover plate/3 |
| 30 | 26NA47340 | Cassette cover plate/4 |
| 31 | 26NA97310 | Paper supply label |
| 32 | 26NA-4780 | Cassette lock assembly |
| 33 | * | Not used |
| 34 | 26NA10070 | Cassette rail/left |
| 35 | 26NA-4760 | Lift-up shaft assembly |
| 36 | 26NA47380 | Fixing seal |
| 37 | 26NA-4721 | Side regulating/front assembly |
| 38 | 26NA-4730 | Side regulating/rear assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| d | 00Z254081 |
| e | 00Z254121 |
| g | 00Z283061 |
| h | 00Z253081 |
| i | 00Z183061 |
| j | 00Z620301 |
| k | 00Z463103 |
| m | 00Z610301 |
| n | 00Z193061 |

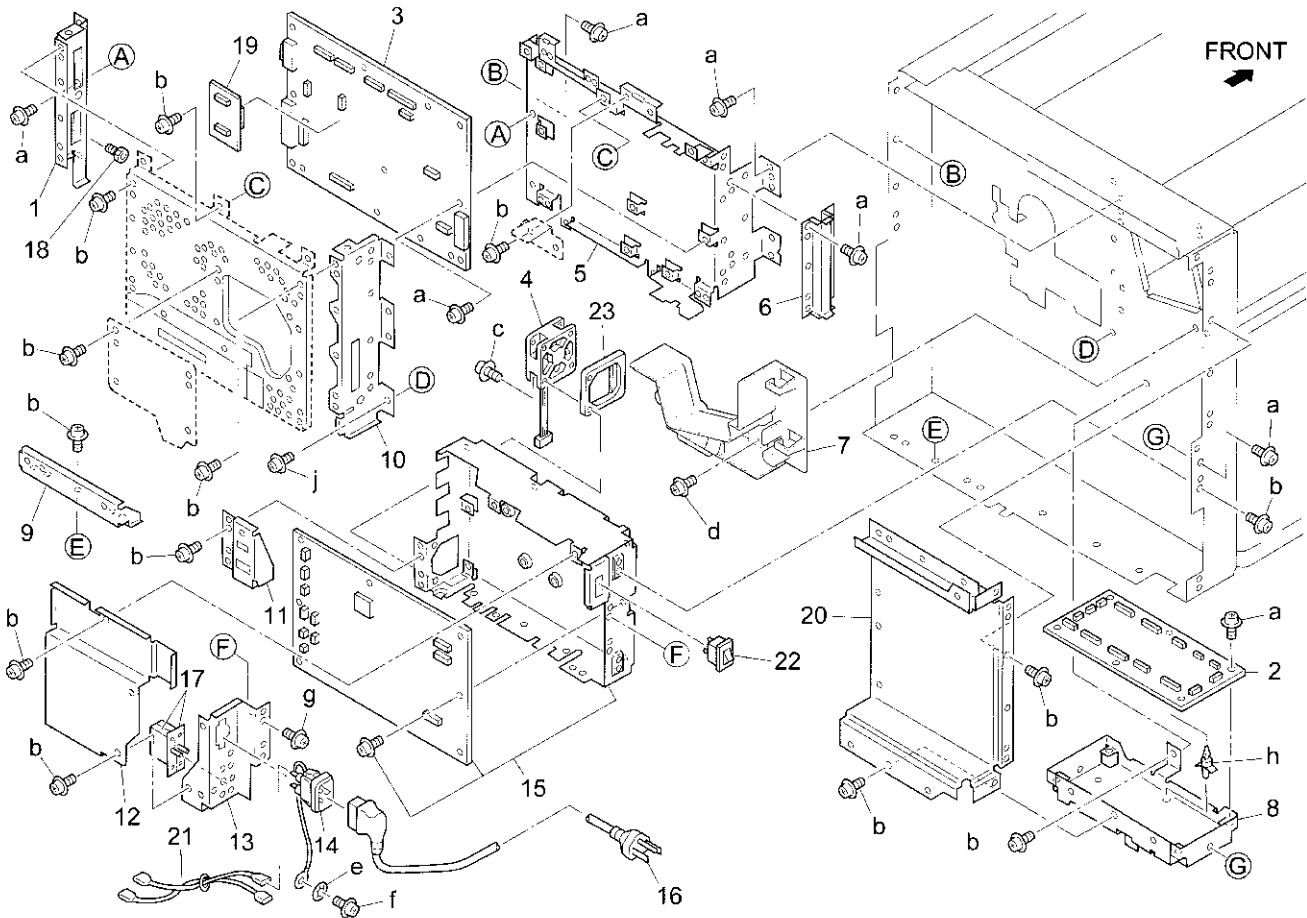
Electric parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 40AA85010 | Door switch |
| 2 | 25HA73200 | Switch guide shaft |
| 3 | 25HA73210 | Switch guide roller |
| 4 | 26NA73251 | Electrode connecting spring/A |
| 5 | 26NA73200 | Wiring support part |
| 6 | 26NA73331 | Fan cover |
| 7 | 26NA73070 | Switch pressure plate |
| 8 | 26NA73061 | Cord cover |
| 9 | 25HA73131 | Switch spring/B |
| 10 | 25HA73121 | Switch spring/A |
| 11 | 26NA73210 | Fan casing/A |
| 12 | 26NA73500 | High voltage cover plate/A |
| 13 | 26NA73131 | Connecting plate/A |
| 14 | 26NA73471 | Connecting plate/C |
| 15 | 26NA73151 | Contact support plate |
| 16 | 26NA84010 | High voltage power source |
| 17 | 26NA88030 | Sensor |
| 18 | 26NA90320 | Sensor relay wiring/2 |
| 19 | 26NA90360 | High voltage wiring/1 |
| 20 | 26NA90370 | High voltage wiring/2 |
| 21 | 26NA90280 | High voltage relay wiring |
| 22 | 26NA90380 | High voltage wiring/3 |
| 23 | 26NA90080 | Drum relay wiring |
| 24 | 26NA73810 | Fan seal/1 |
| 25 | 26NA-7510 | High voltage connecting plate/B assembly |
| 26 | 26NA90270 | DC inter lock wiring |
| 27 | 066079020 | Drawer |
| 28 | 26NA90060 | Fixing relay wiring |
| 29 | 26NA80510 | Main fan motor |
| 30 | 26NA73270 | High voltage mount plate |
| 31 | 26NA73510 | Contact support plate/B |
| 32 | 26NA73360 | Wiring mount plate/B |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z713206 |
| c | 00Z193041 |
| d | 00Z253081 |
| e | 00Z283061 |
| f | 00Z193061 |
| g | 00Z193062 |
| h | 00Z194081 |

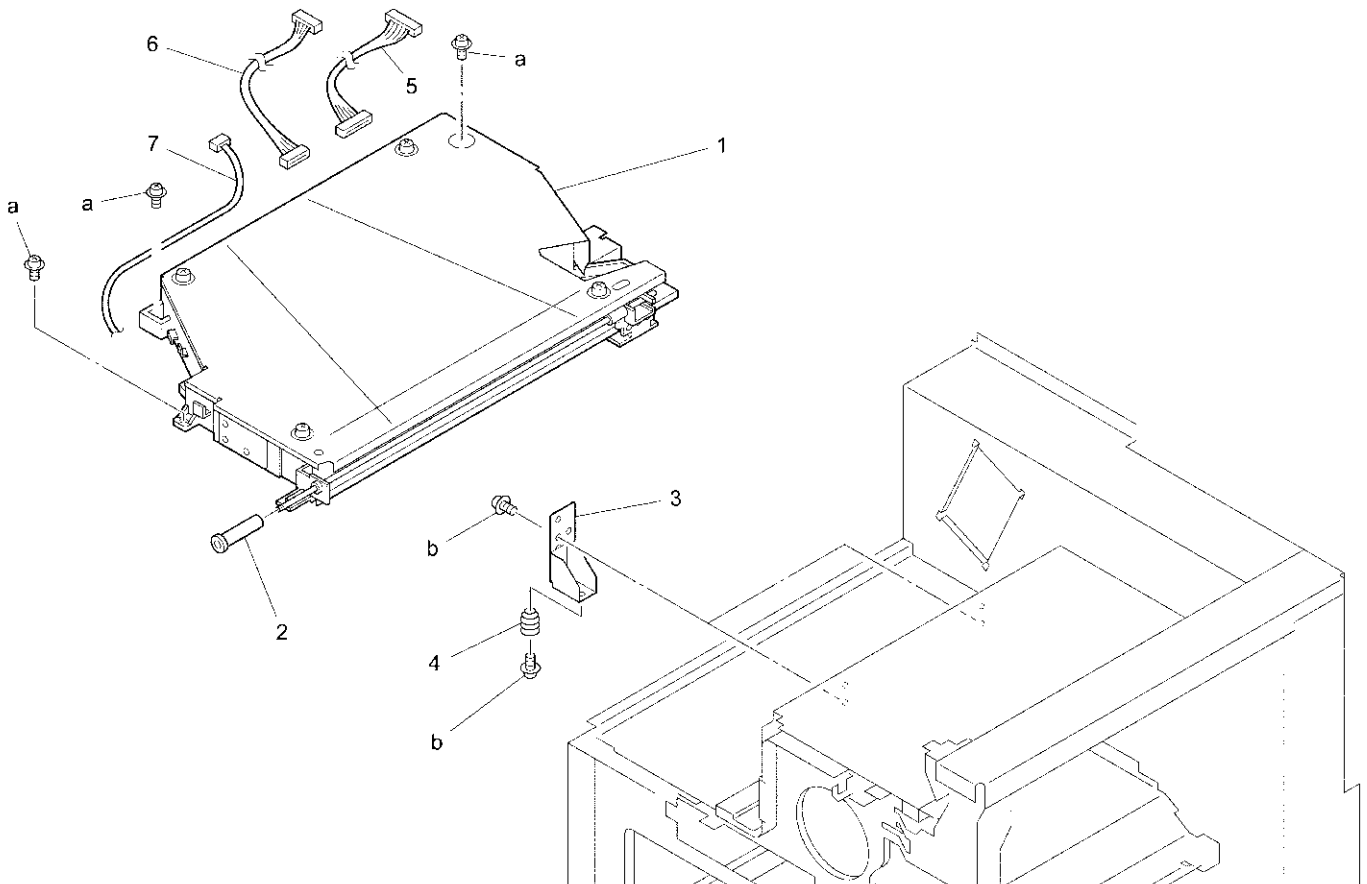
Electric parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26NA73240 | Board cover plate/B |
| 2 | 26NA-9022 | Main driving board assembly |
| 3 | 26NA-9303 | System control board unit (7020) |
| 3 | 26PA-9303 | System control board unit (7030) |
| 3 | 26SA-9301 | System control board unit (7025) |
| 4 | 26NA80510 | Main fan motor |
| 5 | 26NA73010 | Board mount plate |
| 6 | 26NA73370 | Wiring cover plate |
| 7 | 26NA73021 | Protect cover |
| 8 | 26NA73380 | Board mount plate/B |
| 9 | 26NA73420 | Board mount plate/C |
| 10 | 26NA73260 | Board cover plate/C |
| 11 | 26NA73290 | Wiring mount plate/A |
| 12 | 26NA73460 | Power source cover plate |
| 13 | 26NA73410 | Cord mount plate |
| 14 | 26NA-7520 | Power socket assembly |
| 15 | 26NA84510 | DC power source/1 |
| 16 | 26NE88610 | Power source cord |
| 17 | 26NA88460 | Breaker |
| 18 | 26NA73570 | Contact fixing screw/A |
| 19 | 26NA-9110 | Parameter memory board assembly |
| 20 | 26NA73280 | Board cover/D |
| 21 | 26NA90110 | AC power source wiring |
| 22 | 55GA86010 | Power source switch |
| 23 | 26NA73610 | Fan spacer |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193041 |
| b | 00Z193061 |
| c | 00Z193351 |
| d | 00Z283061 |
| e | 00Z630406 |
| f | 00Z184065 |
| g | 00Z164081 |
| h | 00Z925104 |

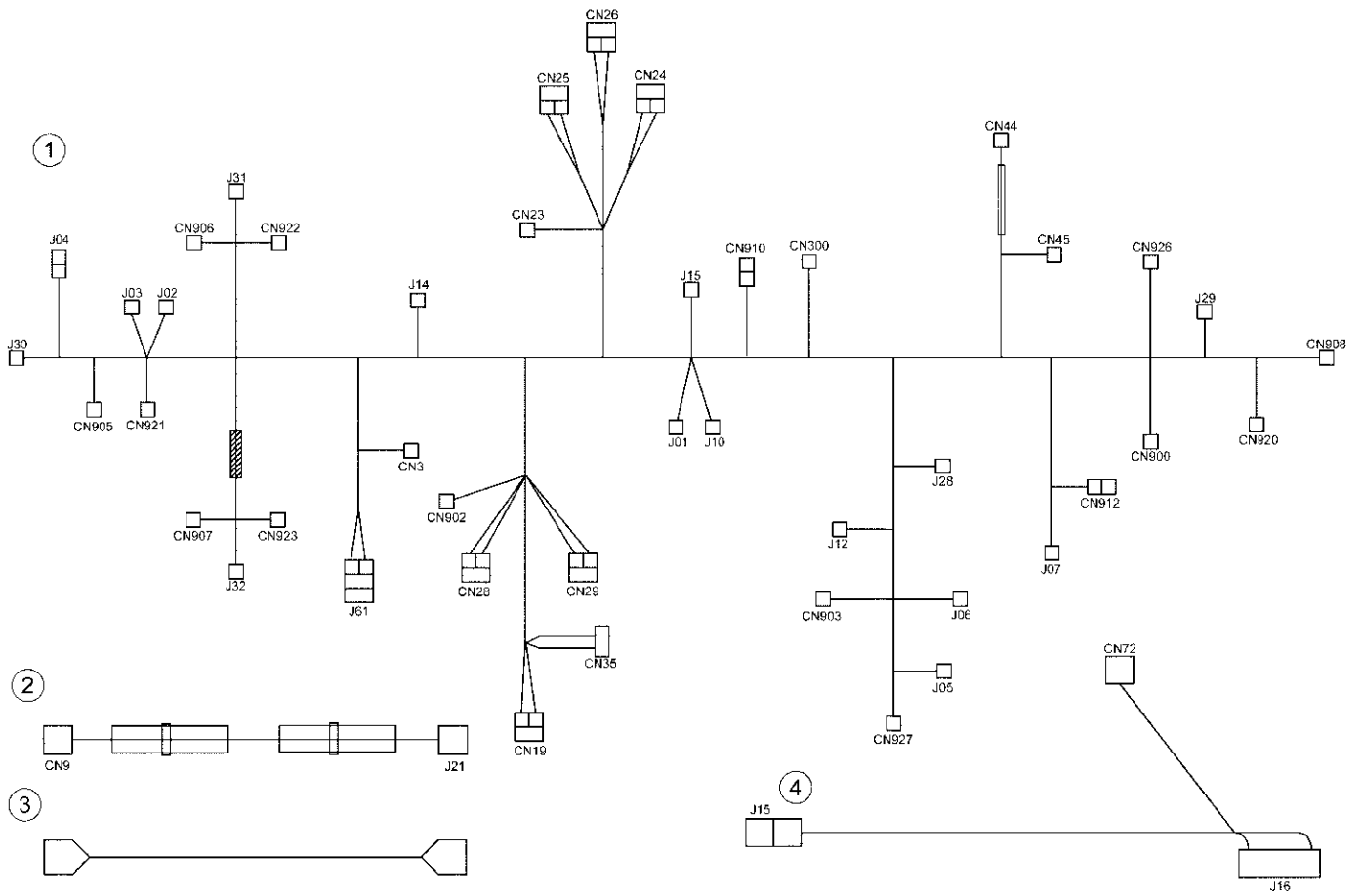
Writing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------|
| 1 | 26NA-6503 | Writing unit |
| 2 | 26NA65260 | Writing cleaner knob |
| 3 | 26NA65280 | Writing mount part |
| 4 | 26NA65290 | Writing mount spring |
| 5 | 26NA90390 | LD relay wiring/2 |
| 6 | 26NA90180 | Polygon relay wiring |
| 7 | 26NA90240 | INDEX driving wiring |

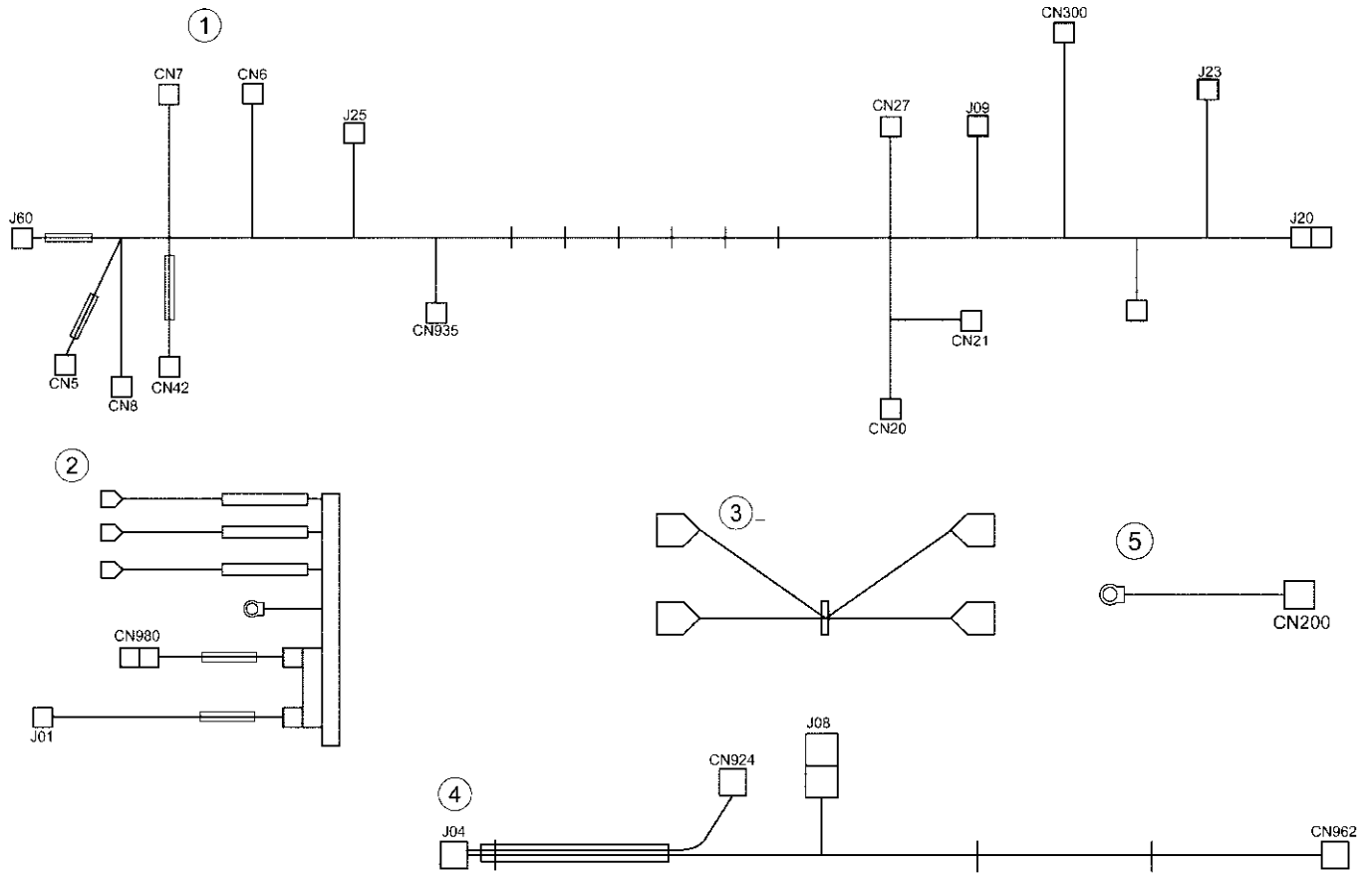
| HARDWARE | |
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| REF. LTR. | PART NUMBER |
| a | 00Z163101 |
| b | 00Z193061 |

Wiring



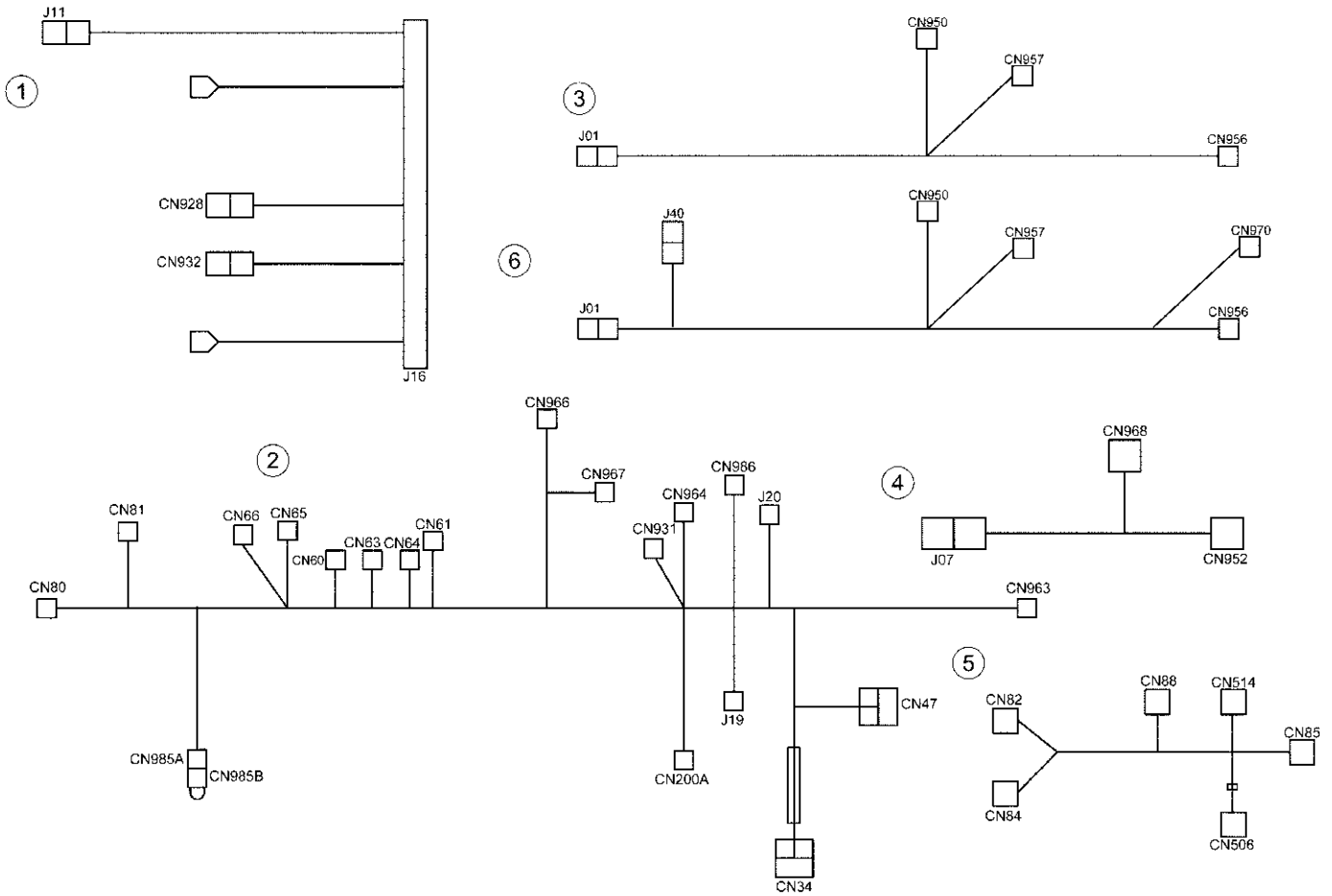
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------|
| 1 | 26NA90012 | Main wiring (7020) |
| 1 | 26PA90011 | Main wiring (7030) |
| 1 | 26SA90010 | Main wiring (7025) |
| 2 | 26NA90020 | Heater relay wiring |
| 3 | 26NA90040 | Fuse cord/1 |
| 4 | 26NA90080 | Drum relay wiring |

Wiring



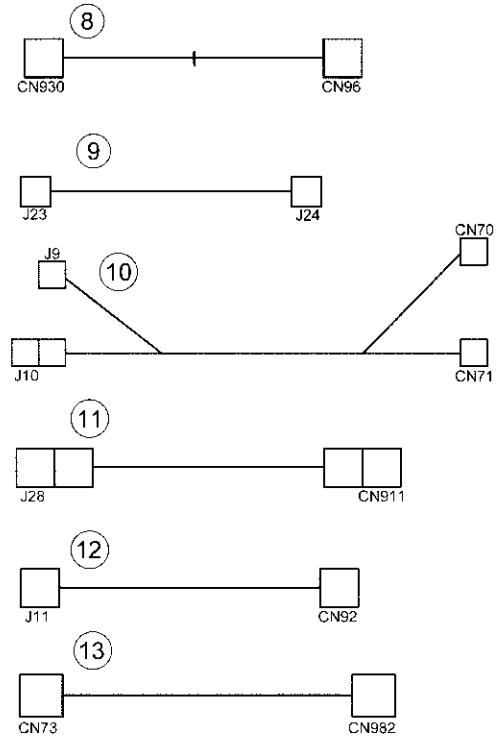
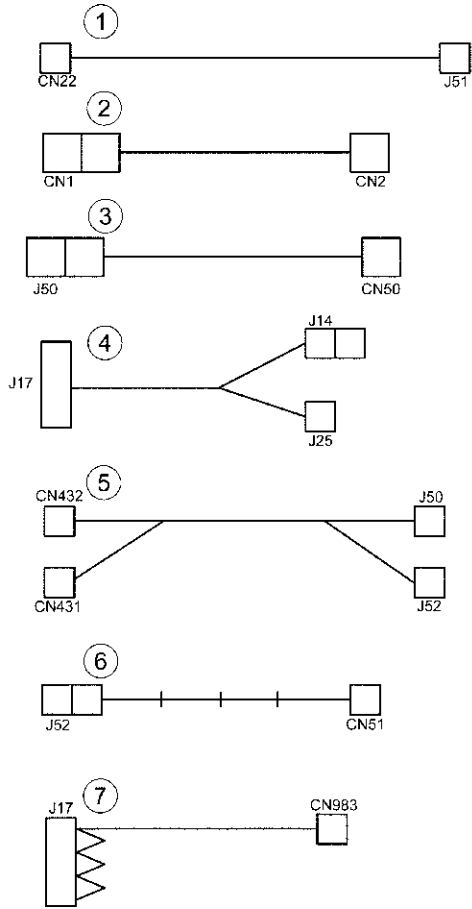
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | 26NA90031 | DC power source wiring |
| 2 | 26NA90051 | Fixing electrify wiring |
| 3 | 26NA90110 | AC power source wiring |
| 4 | 26NA90140 | Manual feed wiring |
| 5 | 26NA90420 | Option wiring/1 |

Wiring



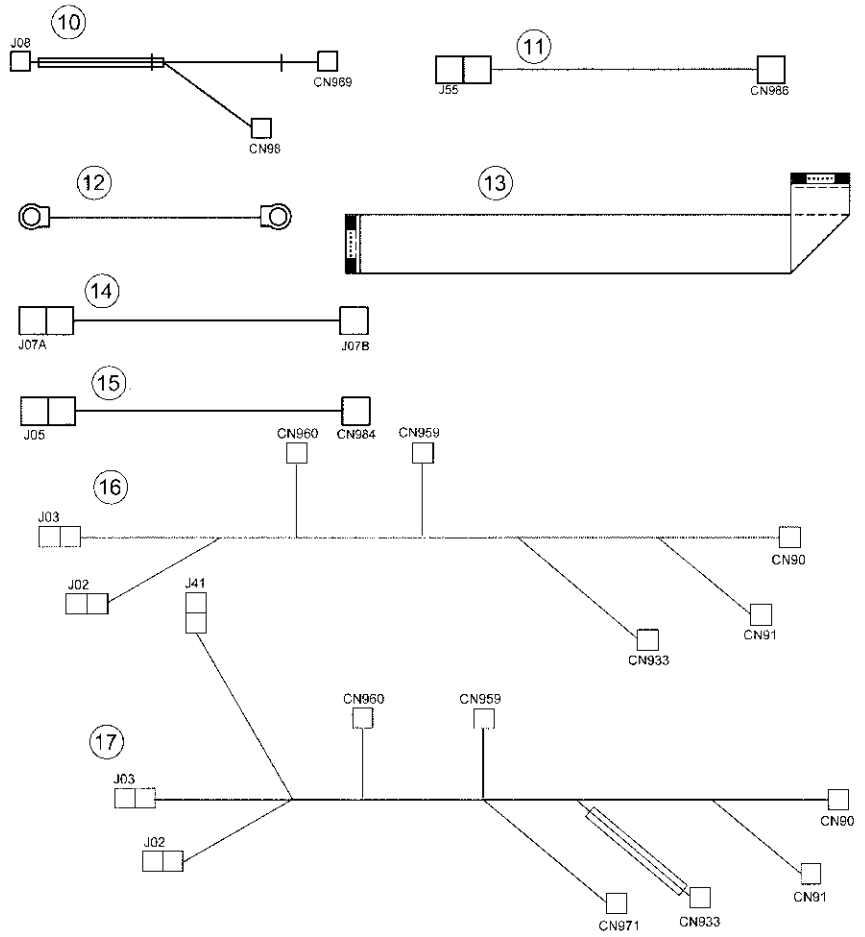
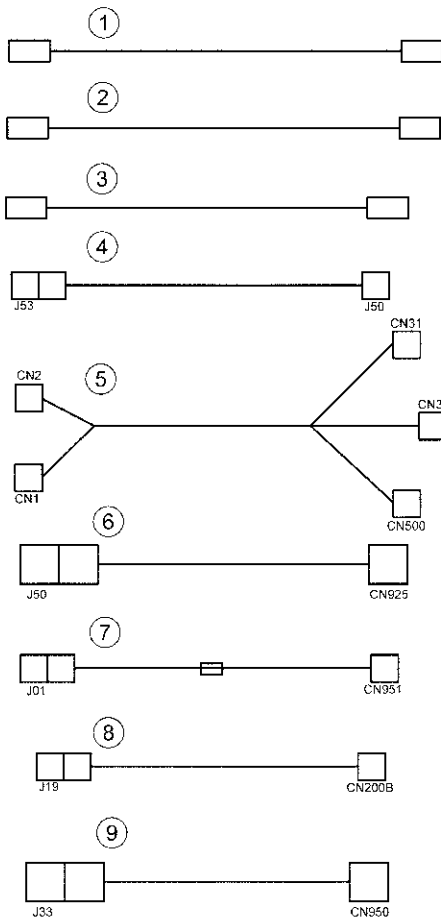
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26NA90070 | Drum wiring |
| 2 | 26NA90091 | Optics wiring |
| 3 | 26NA90120 | Paper feed wiring/upper (7020/7025) |
| 4 | 26NA90170 | Paper exit detecting wiring |
| 5 | 26NA90160 | Operation wiring/2 |
| 6 | 26PA90120 | Paper feed wiring/upper (7030) |

Wiring



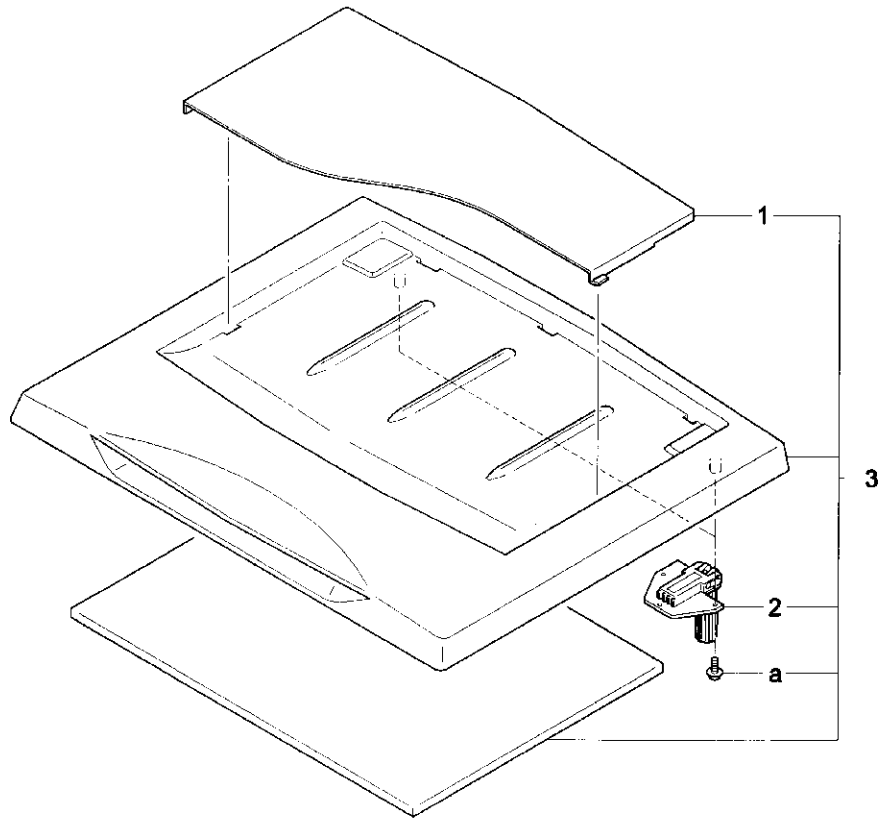
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------|
| 1 | 26NA90180 | Polygon relay wiring |
| 2 | 26NA90330 | Sensor relay wiring/3 |
| 3 | 26NA90210 | LD driving wiring |
| 4 | 26NA90340 | Developing relay wiring |
| 5 | 26NA90230 | LD relay wiring/1 |
| 6 | 26NA90240 | INDEX driving wiring |
| 7 | 26NA90250 | Developing wiring |
| 8 | 26NA90260 | Lamp relay wiring |
| 9 | 26NA90270 | DC interlock wiring |
| 10 | 26NA90280 | High voltage relay wiring |
| 11 | 26NA90300 | Relay wiring |
| 12 | 26NA90310 | Sensor relay wiring/1 |
| 13 | 26NA90320 | Sensor relay wiring/2 |

Wiring



| REF. NO. | PART NUMBER | DESCRIPTION |
|-------------|-------------|-------------------------------------|
| 1 | 26NA90360 | High voltage wiring/1 |
| 2 | 26NA90370 | High voltage wiring/2 |
| 3 | 26NA90380 | High voltage wiring/3 |
| 4 | 26NA90390 | LD relay wiring/2 |
| 5 | 26NA90401 | System power source wiring |
| 6 | 26NA90410 | Web relay wiring |
| 7 | 26NA90490 | Fixing relay wiring/2 |
| 8 | 26NA90430 | Option relay wiring/2 |
| 9 | 26NA90440 | Resist relay wiring |
| 10 | 26NA90450 | Bypass feed detecting wiring |
| 11 | 26NA90460 | Total counter relay wiring |
| 12 | 26NA90470 | Paper exit ground wiring |
| 13 | 26NA90500 | A/D wiring |
| 14 | 26NA90480 | Paper exit relay wiring |
| 15 | 26NA90190 | Toner supply wiring |
| 16 | 26NA90130 | Paper feed wiring/lower (7020/7025) |
| 17 | 26PA90130 | Paper feed wiring/lower (7030) |

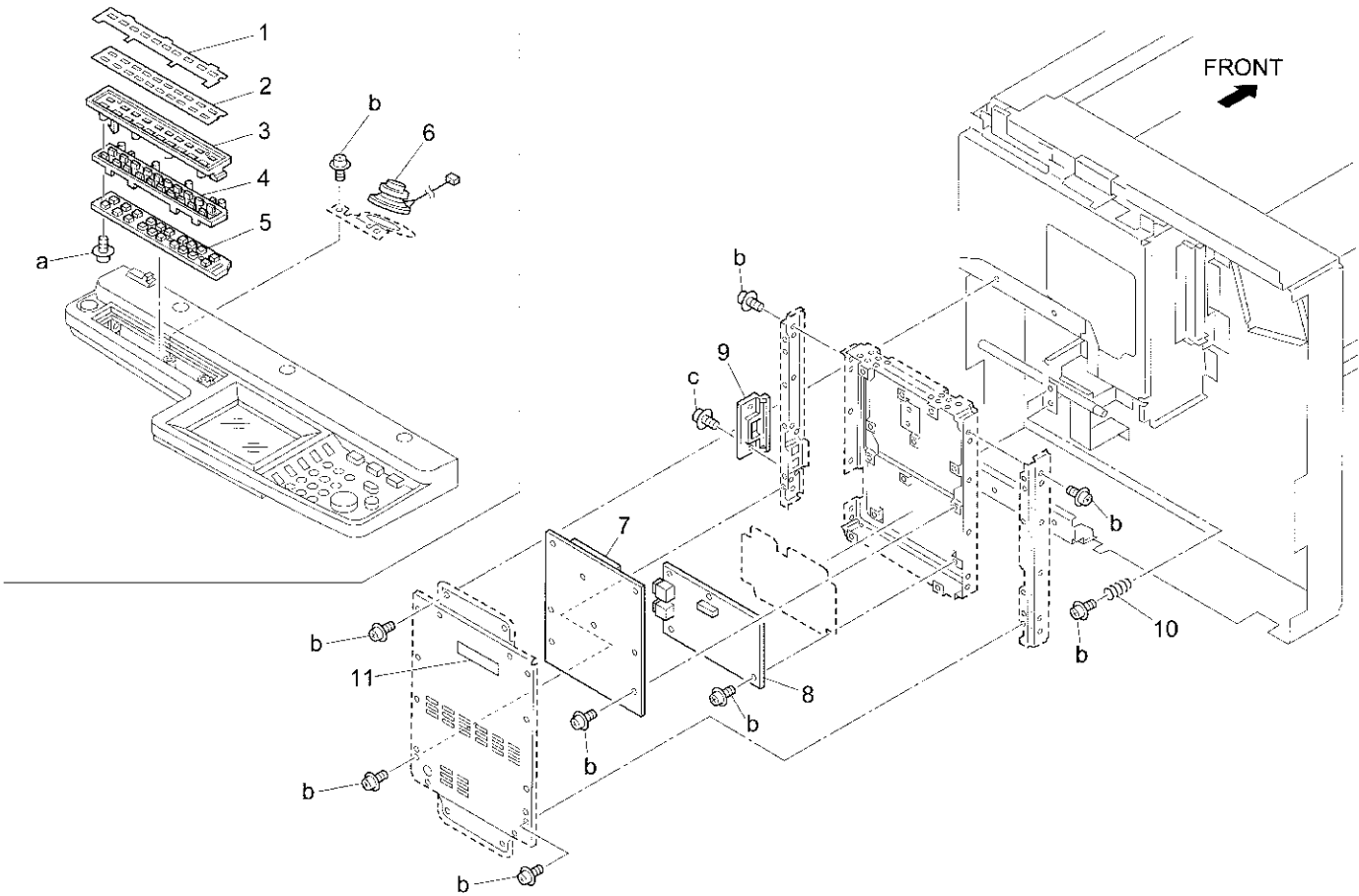
Platen cover



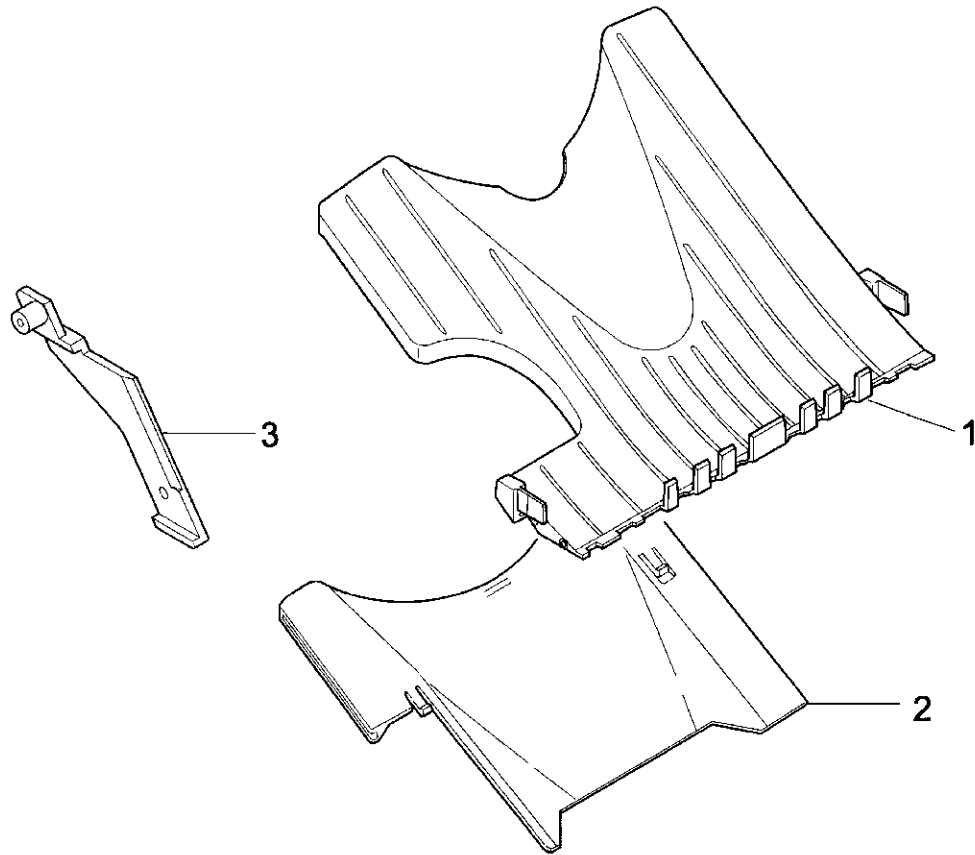
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | 13HL14070 | Original cover/upper |
| 2 | 13HL14040 | Original cover hinge |
| 3 | 13HL-1400 | Original cover assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z254101 |

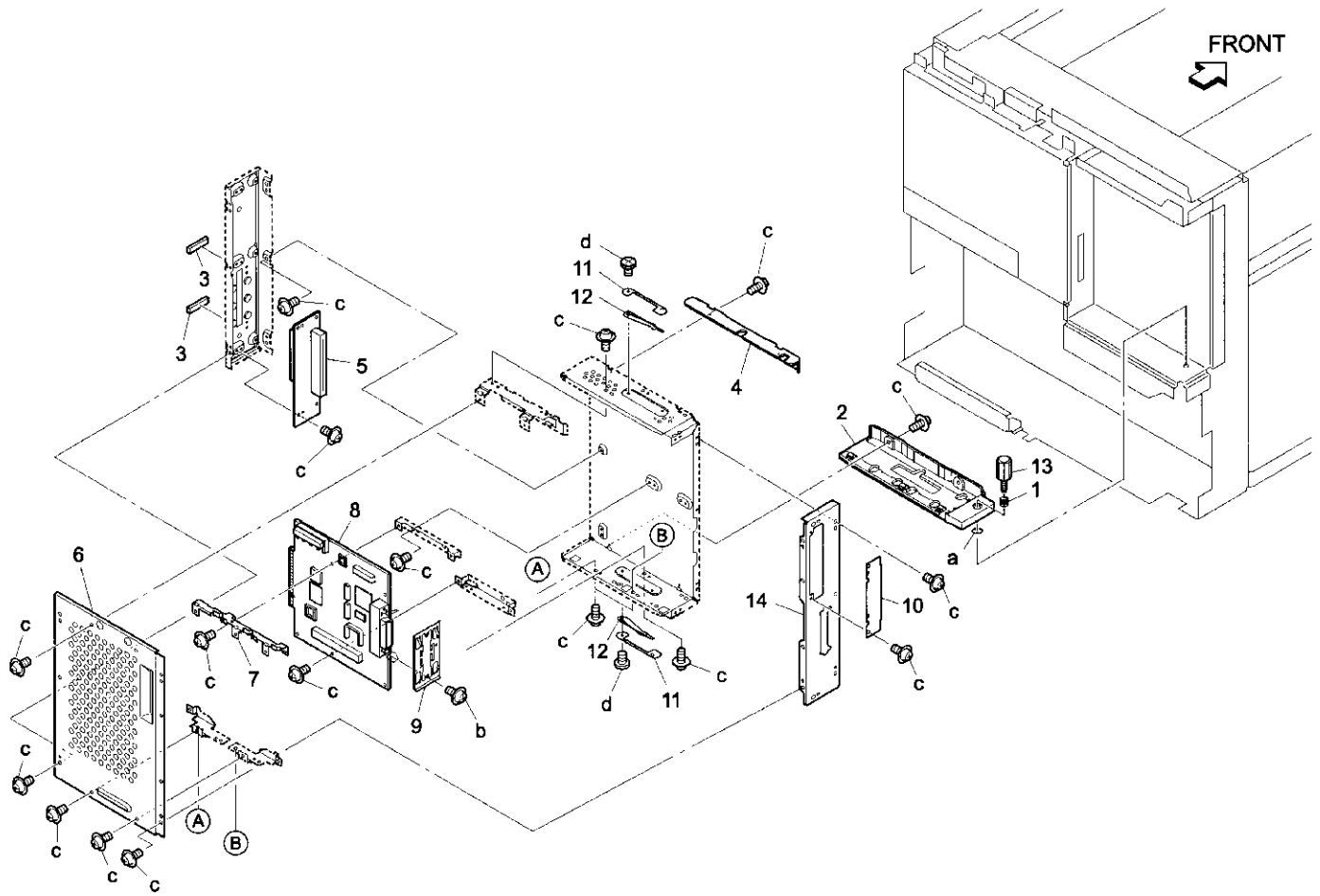
Fax kit



| REF. NO. | PART NUMBER | DESCRIPTION |
|-------------|-------------|------------------------|
| 1 | 13FQ70020 | Cover sheet |
| 2 | 13FQ70030 | Sheet |
| 3 | 13FQ70010 | Board mount plate |
| 4 | 13FQ70040 | Operation button |
| 5 | 13FQ-9030 | Option operating board |
| 6 | 13FQ82510 | Monitor speaker |
| 7 | 13FQ-9010 | FAX control board |
| 8 | 13FQ-9020 | NUC board/Q |
| 9 | 13FQ73050 | Side cover |
| 10 | 13FQ73070 | Ground spring/A |
| 11 | 13FQ73100 | Electricfy seal |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------|
| 1 | 13GQ48010 | Paper exit tray/A |
| 2 | 13GQ48020 | Paper exit tray/B |
| 3 | 13GS10010 | Support part |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 13FM73191 | Auxiliary spring |
| 2 | 13FM73131 | Slide part/lower |
| 3 | 13FM73200 | Electricity seal |
| 4 | 13FM73140 | Slide part/upper |
| 5 | 13FM-9021 | Printer relay board assembly/1 |
| 6 | 13FM73040 | Board cover plate/A |
| 7 | 13FM73100 | Board support plate/E |
| 8 | 13FM-9011 | Printer control board assembly |
| 9 | 13FM73180 | Ground spring/3 |
| 10 | 13FM73090 | Cover plate/1 |
| 11 | 13FM73110 | Spring hold plate |
| 12 | 13FM73170 | Ground spring/2 |
| 13 | 450011270 | Screw |
| 14 | 13FM73030 | Board mount plate/C |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
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| b | 00Z113065 |
| c | 00Z193041 |
| d | 00Z183042 |

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| 26NA90340 | 87 | 4 | | 26NE88610 | 77 | 16 | | 466076020 | 67 | 27 | |
| 26NA90350 | 33 | 8 | | 26NE97060 | 11 | 19 | | 466077130 | 61 | 7 | |
| 26NA90360 | 75 | 19 | | 26NE97070 | 7 | 20 | | 466078010 | 65 | 32 | |
| 26NA90360 | 89 | 1 | | 26NE97140 | 5 | 21 | | 466078010 | 31 | 2 | |
| 26NA90370 | 75 | 20 | | 26NE97181 | 5 | 6 | | 466078010 | 53 | 19 | |
| 26NA90370 | 89 | 2 | | 26NE97280 | 71 | 27 | | 508053460 | 63 | 11 | |
| 26NA90380 | 75 | 22 | | 26NE97290 | 73 | 27 | | 508053460 | 67 | 7 | |
| 26NA90380 | 89 | 3 | | 26NE97470 | 53 | 6 | | 540015162 | 15 | 12 | |
| 26NA90390 | 79 | 5 | | 26NE97820 | 5 | 25 | | 540025121 | 27 | 3 | |
| 26NA90390 | 89 | 4 | | 26NF97140 | 11 | 23 | | 540040562 | 57 | 23 | |
| 26NA90401 | 89 | 5 | | 26PA-4010 | 43 | 3 | | 540042120 | 61 | 9 | |
| 26NA90410 | 53 | 36 | | 26PA-4140 | 39 | 2 | | 540042350 | 57 | 31 | |
| 26NA90410 | 89 | 6 | | 26PA-9303 | 77 | 3 | | 540076010 | 41 | 27 | |
| 26NA90420 | 83 | 5 | | 26PA30710 | 33 | 17 | | 540076010 | 43 | 28 | |
| 26NA90430 | 89 | 8 | | 26PA40030 | 39 | 6 | | 540076010 | 59 | 35 | |
| 26NA90440 | 55 | 5 | | 26PA40740 | 43 | 30 | | 540076050 | 13 | 22 | |
| 26NA90440 | 89 | 9 | | 26PA90011 | 81 | 1 | | 552012250 | 65 | 9 | |
| 26NA90450 | 61 | 10 | | 26PA90120 | 41 | 38 | | 552012250 | 69 | 2 | |
| 26NA90450 | 89 | 10 | | 26PA90120 | 85 | 6 | | 552085510 | 3 | 23 | |
| 26NA90460 | 89 | 11 | | 26PA90130 | 43 | 36 | | 552085510 | 11 | 9 | |
| 26NA90470 | 63 | 2 | | 26PA90130 | 89 | 17 | | 552085510 | 37 | 6 | |
| 26NA90470 | 89 | 12 | | 26PE12131 | 5 | 15 | | 552085510 | 41 | 25 | |
| 26NA90480 | 89 | 14 | | 26SA-9301 | 77 | 3 | | 552085510 | 43 | 25 | |
| 26NA90490 | 53 | 2 | | 26SA90010 | 81 | 1 | | 552085510 | 53 | 1 | |
| 26NA90490 | 89 | 7 | | 26SF12131 | 5 | 15 | | 552085510 | 55 | 6 | |
| 26NA90500 | 89 | 13 | | 304078040 | 57 | 26 | | 552085510 | 57 | 29 | |
| 26NA97040 | 5 | 20 | | 304078040 | 69 | 10 | | 552085510 | 63 | 19 | |
| 26NA97080 | 7 | 19 | | 322076010 | 17 | 28 | | 552085510 | 67 | 22 | |
| 26NA97130 | 9 | 22 | | 392045260 | 21 | 1 | | 55FA-7020 | 9 | 8 | |
| 26NA97270 | 61 | 21 | | 396040611 | 61 | 6 | | 55FA83520 | 9 | 19 | |
| 26NA97300 | 71 | 19 | | 40AA20170 | 23 | 19 | | 55GA86010 | 77 | 22 | |
| 26NA97300 | 73 | 19 | | 40AA20230 | 23 | 5 | | 55WA85520 | 61 | 11 | |
| 26NA97310 | 71 | 31 | | 40AA40150 | 39 | 8 | | 580388410 | 13 | 31 | |
| 26NA97310 | 73 | 31 | | 40AA40150 | 43 | 6 | | 684276031 | 17 | 21 | |
| 26NA97350 | 61 | 12 | | 40AA40150 | 57 | 25 | | SE95-3660 | 53 | 39 | |
| 26NA97370 | 69 | 20 | | 40AA40181 | 41 | 21 | | | | | |

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Konica

PARTS CATALOG

**Model
7035**

MARCH 2002
CMPC-7035
SECOND EDITION

KONICA BUSINESS TECHNOLOGIES, INC.

How to use this catalog

This parts catalog includes illustrations and part numbers for all replacement parts and assemblies used in this model.

Model-specific parts are identified in the illustrations with reference numbers. Use the reference number to locate the corresponding part number on the facing page.

Common hardware items, such as screws, nuts, washers, and pins, are identified in the illustrations with reference letters. Use the reference letter to locate the corresponding part number on the hardware listing in the lower right hand corner of the facing page.

If you know a part number, but don't know where the part is used, use the numerical index to determine the page number and reference number for that part. Because some common parts are used in several places, there may be more than one entry. Refer to the illustrations to see where the part may be used.

If you know a part's description, but don't know where to look to find the part number, use the alphabetical index to determine likely page and reference numbers. Then look at the illustrations to determine that you have identified the correct part. Locate the part number using the listing on the opposite page.

Retail pricing that appears with the numerical index, while valid when this catalog was printed, is subject to change without notice. The prices are only suggested prices and are provided only for reference. Dealers may determine their own selling prices. For up-to-date pricing, refer to current Konica price lists or contact the Konica Parts Distribution Center.

How to order parts

Use standard Konica parts ordering procedures to obtain these parts. For ordering options, contact Konica's Parts Distribution Center.

When ordering parts, be sure to specify part numbers exactly as listed in this catalog.

NOTE: Electrical parts may include previously used components.

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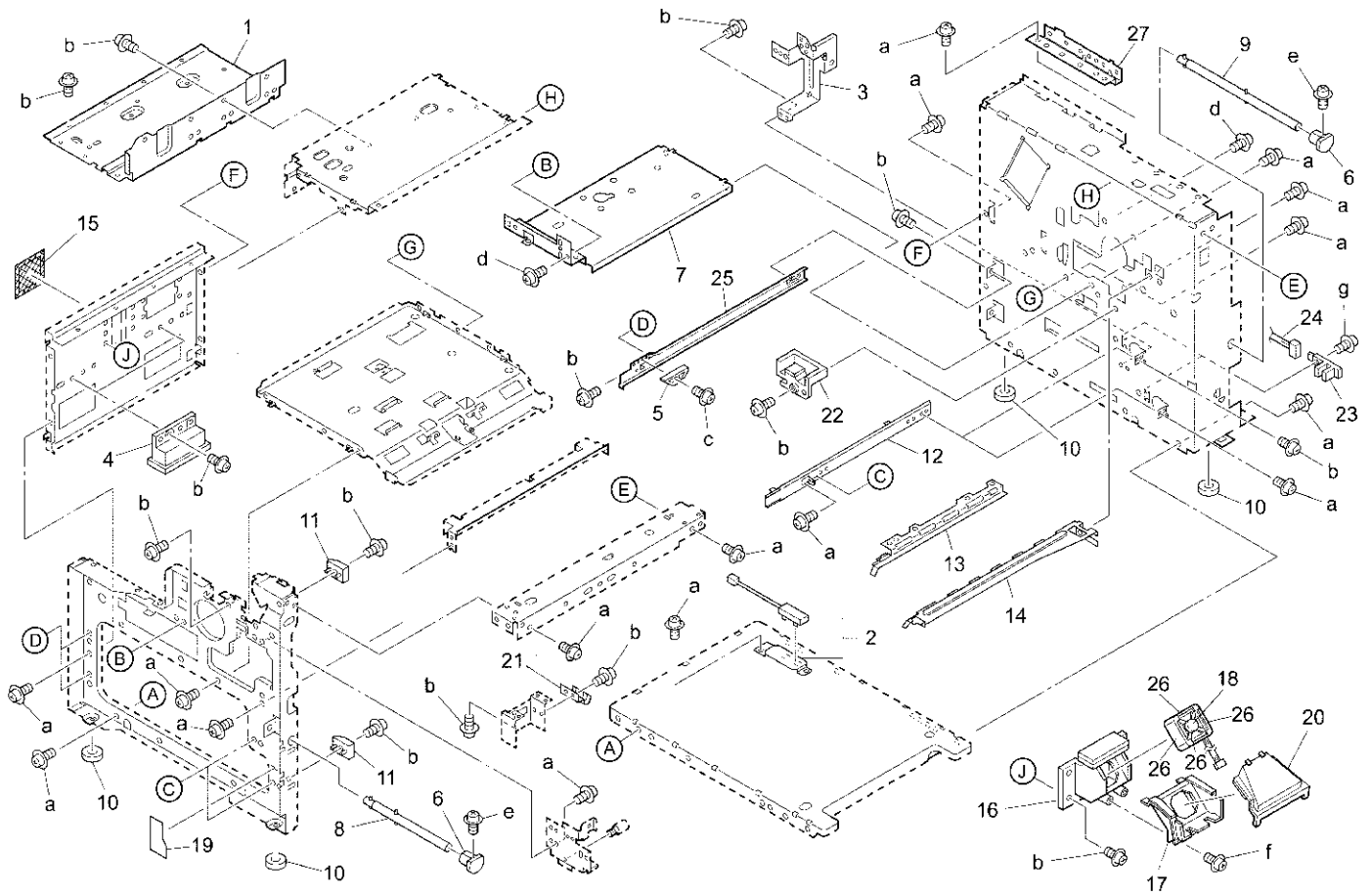
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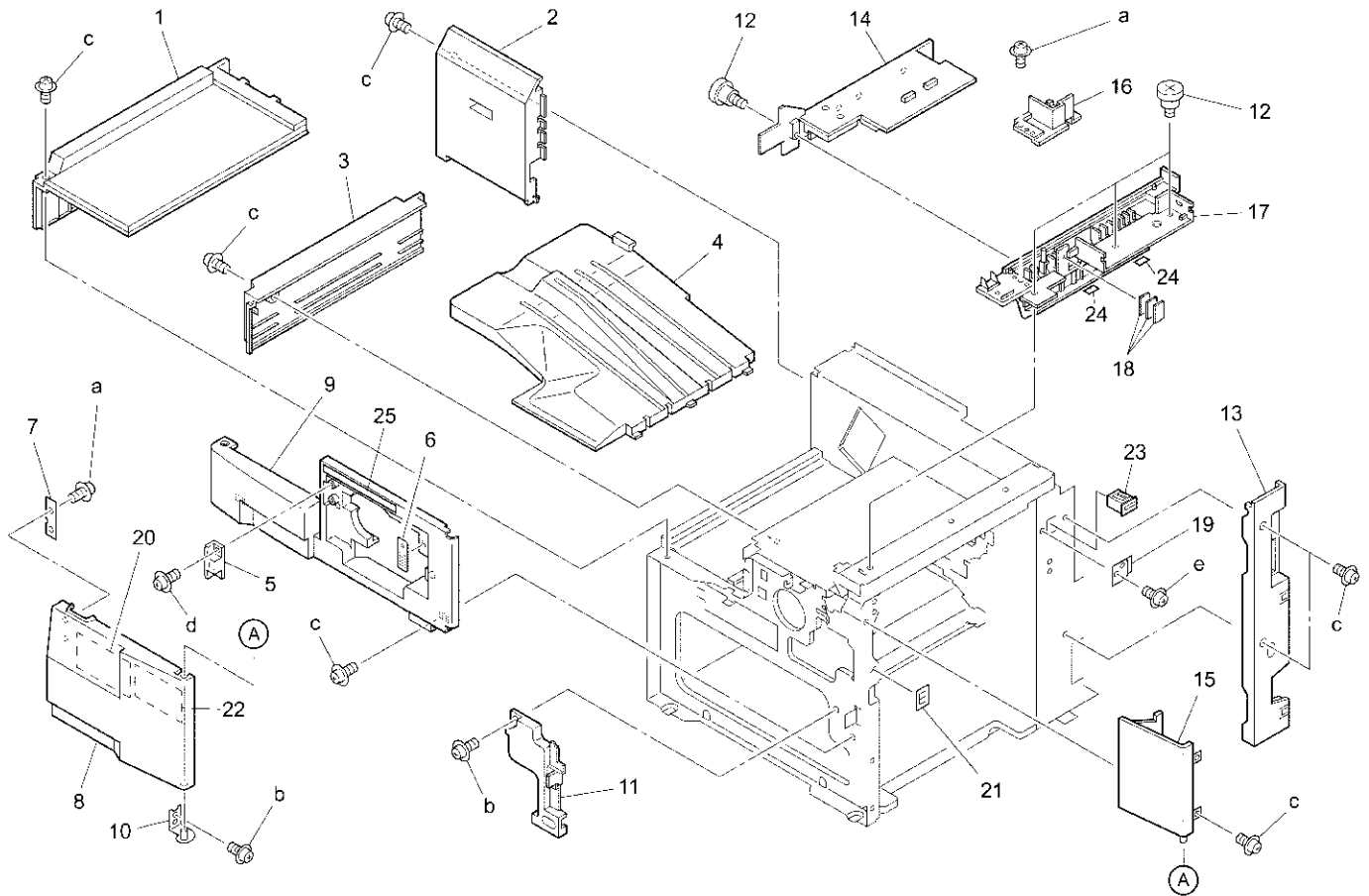
Main frame



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA10141 | Writing cover |
| 2 | 26NA-7560 | Heater assembly |
| 3 | 26NA10441 | Shaft support plate |
| 4 | 26NA12340 | Lift-up knob |
| 5 | 26NA47350 | Cassette stopper |
| 6 | 26NA10310 | Lift-up cover |
| 7 | 26NA10080 | Writing support plate/right |
| 8 | 26NA-1060 | Lift up shaft/front assembly |
| 9 | 26NA-1070 | Lift up shaft/rear assembly |
| 10 | 25HA10292 | Main setting rubber |
| 11 | 26NA10181 | Lock part |
| 12 | 26NA10061 | Cassette rail/right |
| 13 | 26NA10350 | Rail/left |
| 14 | 26NA10360 | Rail/right |
| 15 | 26NA73680 | Dust proof filter |
| 16 | 26NA-7580 | Cooling cover/A assembly |
| 17 | 26NA-7590 | Cooling cover/B assembly |
| 18 | 26TA80530 | Internal cooling fan |
| 19 | 26NA73590 | Insulating sheet/A |
| 20 | 26NA-7600 | Cooling cover/C assembly |
| 21 | 40AA73360 | Rear ground plate |
| 22 | 26NA30791 | Dust proof cover |
| 23 | 552085510 | Photosensor |
| 24 | 26NA90330 | Wiring/3 |
| 25 | 26NA10070 | Cassette rail/left |
| 26 | 26NA73731 | Dust proof seal/5 |
| 27 | 26NA73530 | Electrode mount plate/1 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z283061 |
| b | 00Z193061 |
| c | 00Z183061 |
| d | 00Z163061 |
| e | 00Z183082 |
| f | 00Z253121 |
| g | 00Z193101 |

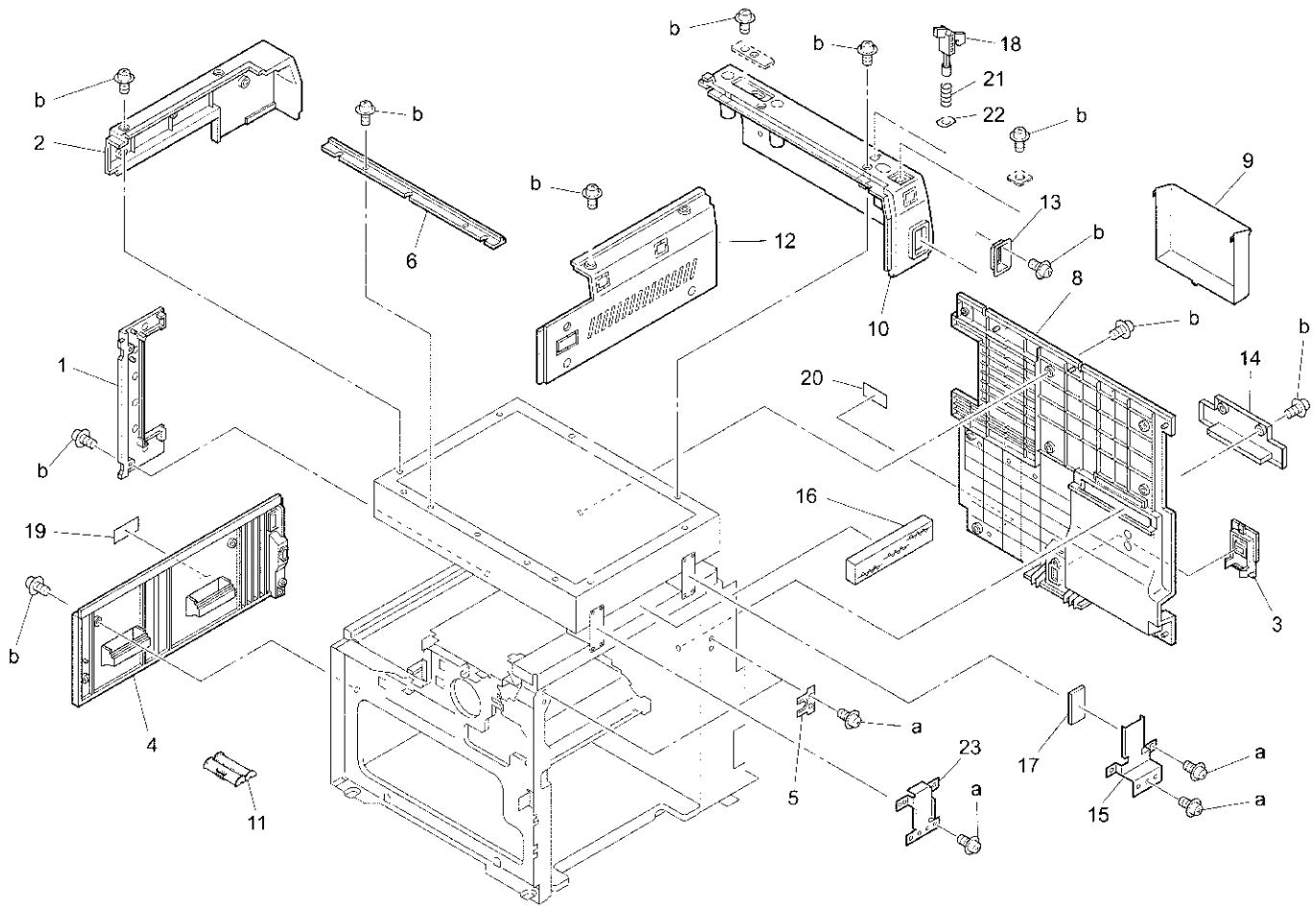
External parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------|
| 1 | 26TA12020 | Main cover/upper |
| 2 | 26NA12040 | Side cover/rear |
| 3 | 26NA12120 | Main auxiliary cover |
| 4 | 26NA12111 | Paper exit tray |
| 5 | 083020140 | Stopper part |
| 6 | 26NE97181 | Laser caution label/3 |
| 7 | 26NA12400 | Magnet pressure plate |
| 8 | 26NE12080 | Front door/right |
| 9 | 26NA12011 | Main cover/front |
| 10 | 26NA-1220 | Fulcrum plate assembly |
| 11 | 26NA12350 | Cord cover/A |
| 12 | 26NA12430 | External fixed screw |
| 13 | 26NA12030 | Rear cover/right |
| 14 | 26NA-1311 | Paper exit cover assembly |
| 15 | 26TE12130 | Front cover/upper |
| 16 | 26NA12460 | Cover/F |
| 17 | 26NA12062 | Paper exit guide cover |
| 18 | 26NA12520 | Spacer/A |
| 19 | 26NA12440 | Side protection cover |
| 20 | 26NA97040 | Toner supply label |
| 21 | 26NE97140 | High voltage caution label |
| 22 | 26NA97830 | Toner supply label/2 |
| 23 | 26NE88310 | Total counter |
| 24 | 26NA51010 | Conveyance guide sheet |
| 25 | 26NE97820 | Toner supply caution label |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193061 |
| c | 00Z193062 |
| d | 00Z243081 |
| e | 00Z283061 |

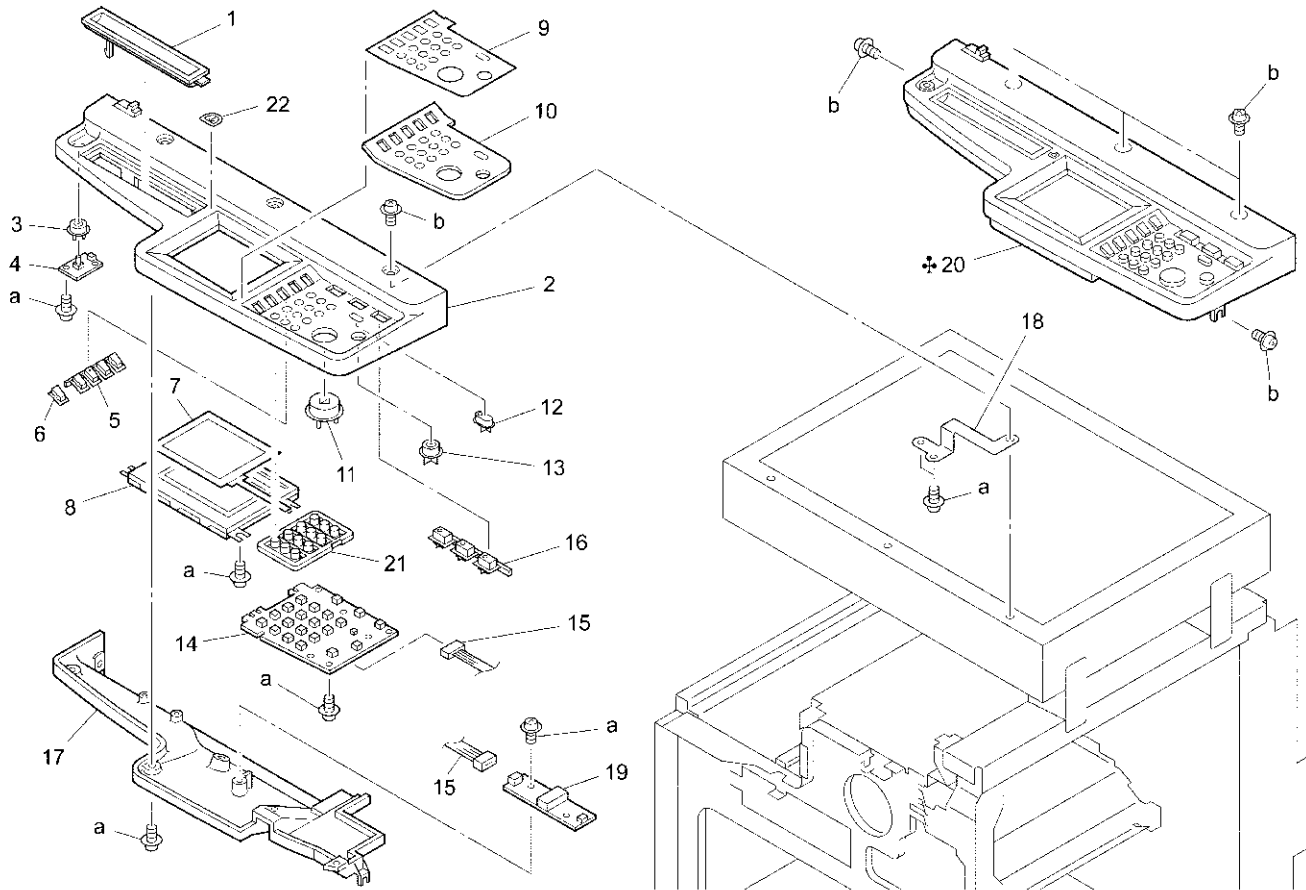
External parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26NA12161 | Rear cover/left |
| 2 | 26NA12240 | Reading cover/left |
| 3 | 26NA12190 | Cord cover/B |
| 4 | 26TA12050 | Side cover/left |
| 5 | 26NA12420 | Shaft guide cover |
| 6 | 26NA12210 | Reading cover/front |
| 7 | * | Not used |
| 8 | 26NA12071 | Rear cover |
| 9 | 26NA12540 | Accessories holder panel |
| 10 | 26NA12231 | Reading cover/rear |
| 11 | 26NA10460 | Stopper cover |
| 12 | 26NA-1260 | Reading /right external assembly |
| 13 | 26NA12450 | Cord cover/B |
| 14 | 26NA12180 | Cord cover/A |
| 15 | 26NA62120 | Wiring guide plate/3 |
| 16 | 26TA10170 | Ozone filter |
| 17 | 26NA62291 | Wiring hold part/2 |
| 18 | 26NA61820 | ADF detecting actuator |
| 19 | 26NA97080 | Laser indication label |
| 20 | 26NE97070 | Caution label |
| 21 | 26NA62130 | Detecting spring |
| 22 | 26NA12550 | Spring regulating sheet |
| 23 | 26NA62110 | Wiring guide plate/2 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z193062 |

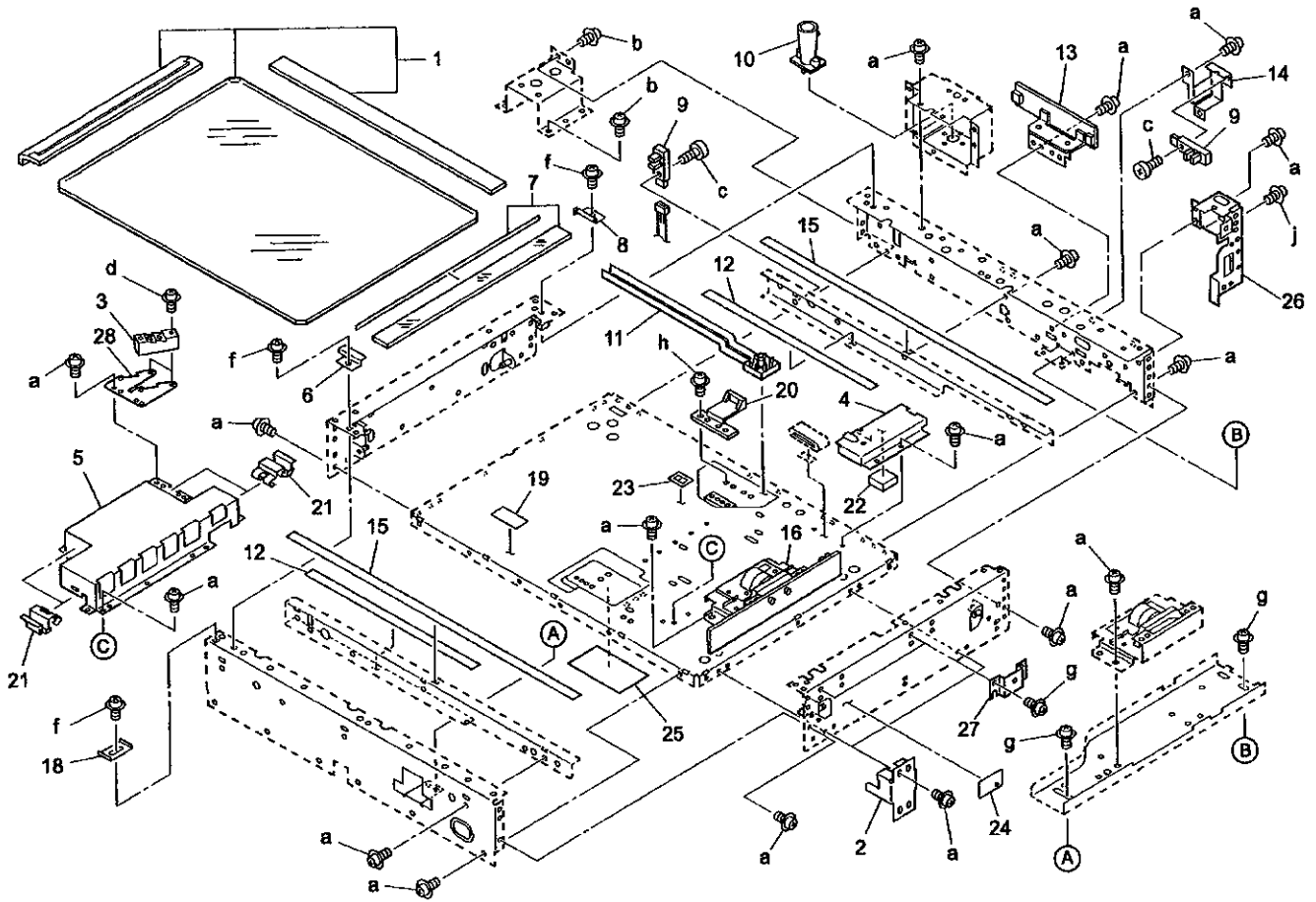
Operation unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA12370 | Operation tray |
| 2 | 26NA70022 | Operation unit cover/upper |
| 3 | 26NA70181 | Operation unit button/H |
| 4 | 26NA-9060 | Power source control switch |
| 5 | 26NA70160 | Operation unit button/F |
| 6 | 26NA70171 | Operation unit button/G |
| 7 | 26NA87520 | Touch key board |
| 8 | 55FA-7020 | Indication board assembly |
| 9 | 26NE70041 | Operation unit sheet |
| 10 | 26NA70030 | Operation unit cover |
| 11 | 26NA70112 | Operation unit button/A |
| 12 | 26NA70130 | Operation unit button/C |
| 13 | 26NA70120 | Operation unit button/B |
| 14 | 26NA-9032 | Operation board/1 assembly |
| 15 | 26NA90161 | Operation wiring/2 |
| 16 | 26NA70150 | Operation unit button/E |
| 17 | 26NA12220 | Operation cover/lower |
| 18 | 26NA70050 | Operation unit ground plate/1 |
| 19 | 55FA83520 | Indication lighting |
| 20 | 26NE-7000 | Operation unit |
| 21 | 26NA70140 | Operation unit button/D |
| 22 | 26NA97130 | Machine label/3 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193062 |

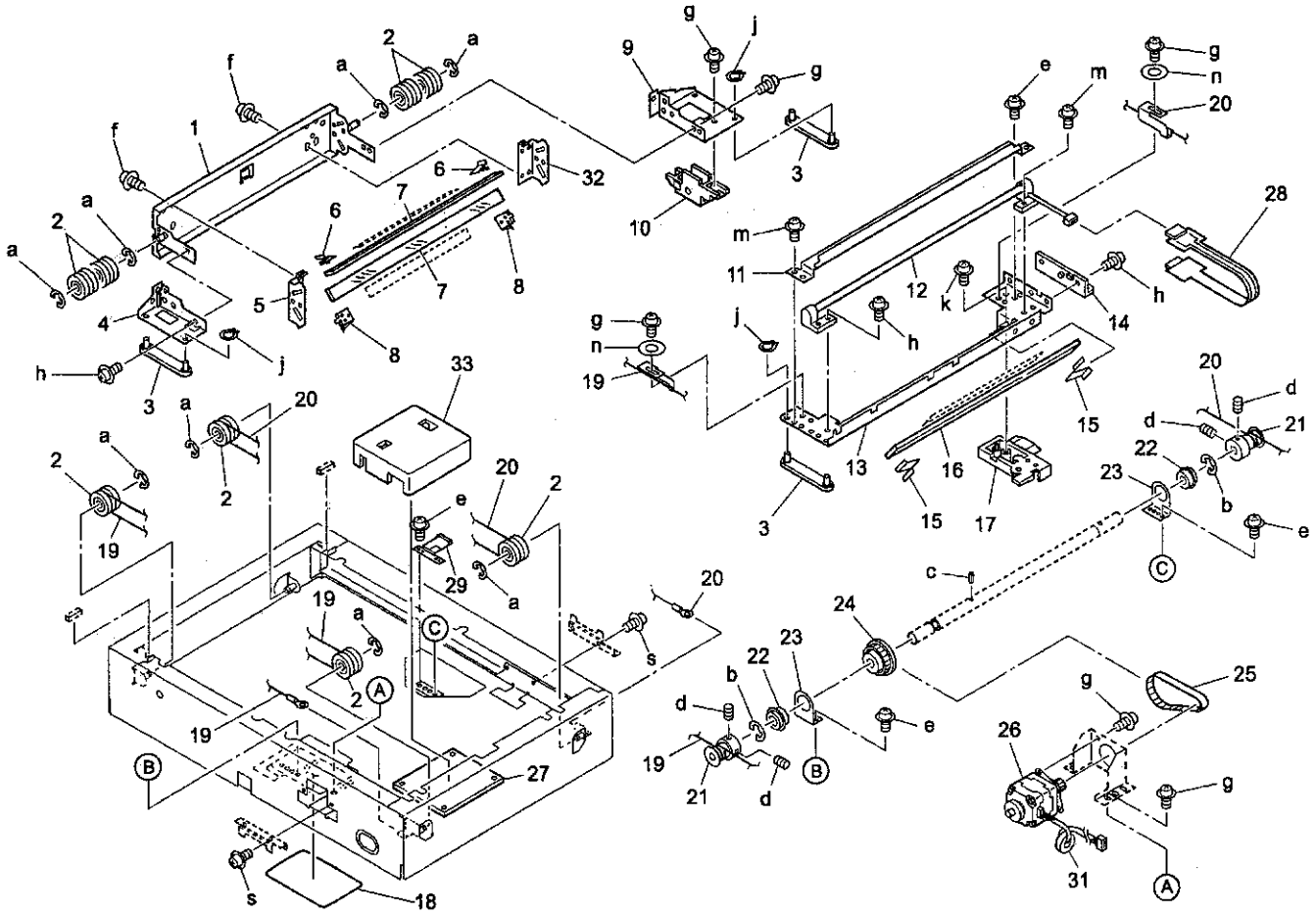
Optics unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA-6272 | Platen glass assembly |
| 2 | 26NA62080 | Reading support plate/right |
| 3 | 25BA85530 | APS sensor/2 |
| 4 | 26NA61810 | Wiring guide plate/1 |
| 5 | 26NA61731 | Lens cover |
| 6 | 26NA61300 | Glass holder plate/front |
| 7 | 26NA-6282 | Platen glass assembly/2 |
| 8 | 26NA61150 | Glass holder plate/rear |
| 9 | 552085510 | Photosensor |
| 10 | 26NA62050 | ADU guide block |
| 11 | 26NA62010 | Wiring guide part/3 |
| 12 | 26NA61840 | Optics slide sheet/2 |
| 13 | 26NA-6220 | Board mount plate/2 assembly |
| 14 | 26NA62140 | Mount plate/2 |
| 15 | 26NA61830 | Optics slide sheet/1 |
| 16 | 26TA-6260 | CCD unit |
| 17 | * | Not used |
| 18 | 26NA62160 | Glass holding plate |
| 19 | 26NE97060 | Optics caution label |
| 20 | 26NA62170 | Wiring regulating sheet |
| 21 | 26NA62270 | Ground spring |
| 22 | 26NA62280 | Wiring hold part/1 |
| 23 | 26NE97140 | High tension caution label |
| 24 | 26NA62201 | Reading seal/2 |
| 25 | 26NA62220 | Paper exit auxiliary sheet |
| 26 | 26NA61120 | ADF mount plate/right |
| 27 | 26NA62210 | Fixed plate |
| 28 | 26NA61141 | Mounting plate |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z283061 |
| c | 00Z183101 |
| d | 00Z183201 |
| f | 00Z193043 |
| g | 00Z163081 |
| h | 00Z193041 |
| j | 00Z253061 |

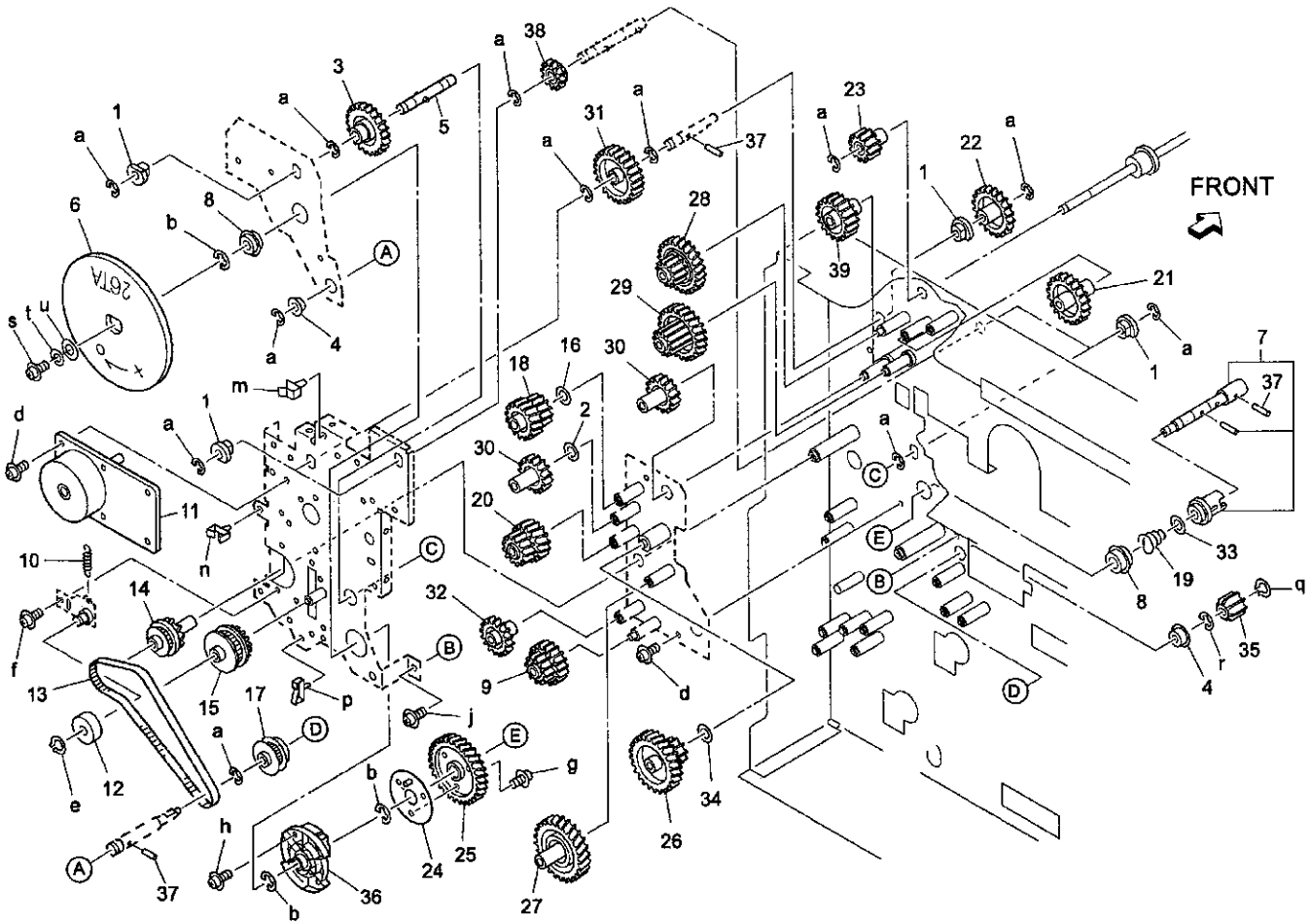
Optics unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26NA-6192 | Mirror mount plate/2 assembly |
| 2 | 26NA61940 | Wire pulley |
| 3 | 26NA61380 | Slide part |
| 4 | 26NA61560 | Optics slide plate/front |
| 5 | 26NA61530 | Mirror support plate/front |
| 6 | 26NA61610 | Mirror pressure spring/4 |
| 7 | 26NA61540 | Optics mirror/2 |
| 8 | 26NA61600 | Mirror pressure spring/3 |
| 9 | 26NA61551 | Optics slide plate/rear |
| 10 | 26NA61590 | Wiring guide part/2 |
| 11 | 26NA61370 | Reflect mirror |
| 12 | 26NA83010 | Exposure lamp |
| 13 | 26NA61310 | Mirror mount plate/1 |
| 14 | 26NA62060 | Mirror adjusting screw |
| 15 | 26NA61410 | Mirror pressure spring |
| 16 | 26NA61340 | Optics mirror/1 |
| 17 | 26NA61390 | Wiring guide part/1 |
| 18 | 26NA62220 | Paper exit auxiliary sheet |
| 19 | 26NA61221 | Optics wire/front |
| 20 | 26NA61211 | Optics wire/rear |
| 21 | 26NA61200 | Wire driving pulley |
| 22 | 540076050 | Driving shaft holder |
| 23 | 26NA61750 | Pulley fixed plate |
| 24 | 26TA61920 | Driving pulley (Z=70) |
| 25 | 26TA61930 | Motor belt (L=163.5) |
| 26 | 26TA80020 | Scanner driving motor |
| 27 | 26TA-9051 | Scanner driving board assembly |
| 28 | 26NA-9510 | Powering board assembly |
| 29 | 26NA62170 | Wiring regulating sheet |
| 30 | * | Not used |
| 31 | 580388410 | Ferrite core |
| 32 | 26NA62391 | Mirror support plate/rear |
| 33 | 26NA62240 | Board cover |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z713186 |
| d | 00Z474063 |
| e | 00Z193041 |
| f | 00Z183101 |
| g | 00Z163061 |
| h | 00Z163081 |
| j | 00Z660306 |
| k | 00Z253061 |
| m | 00Z183031 |
| n | 00Z610421 |
| s | 00Z193061 |

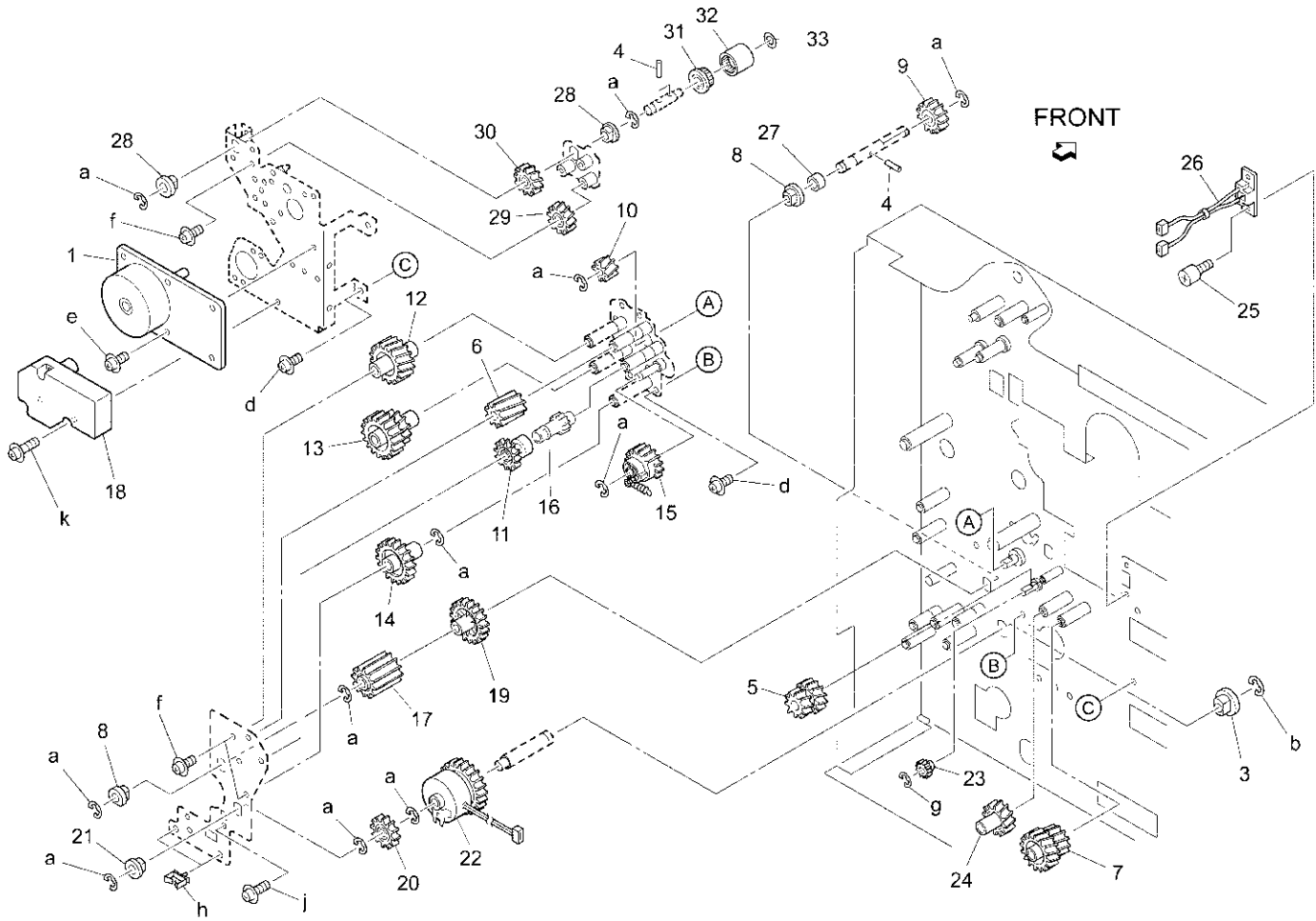
Driving unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 466076020 | Paper feeding shaft holder |
| 2 | 26NA17410 | Driving spacer/2 |
| 3 | 26NA15690 | Collecting gear (Z=54) |
| 4 | 26NA17280 | Developing drive shaft holder |
| 5 | 26NA-1540 | Collecting shaft assembly |
| 6 | 26TA15030 | Drum rotary plate |
| 7 | 26NA-1531 | Drum input shaft assembly |
| 8 | 26NA53590 | Fixing shaft holder/lower |
| 9 | 26NA16150 | Idler gear/D (Z=27/45) |
| 10 | 26NA17270 | Tension spring |
| 11 | 26TA80010 | Drum driving motor |
| 12 | 26NA17610 | Belt tension roller |
| 13 | 26TA17140 | Belt (L=380) |
| 14 | 26NA15550 | Gear/F (Z=32/34) |
| 15 | 26NA15680 | Gear/Q (Z=23/23) |
| 16 | 190041410 | Polyslider 6 |
| 17 | 26TA15750 | Agitating gear/A (Z=45) |
| 18 | 26NA15520 | Gear/C (Z=32/50) |
| 19 | 26NA15200 | Coupling spring |
| 20 | 26NA15540 | Gear/E (Z=32/35) |
| 21 | 26NA17250 | Gear/X (Z=45) |
| 22 | 26TA15730 | Gear/J (Z=35) |
| 23 | 26NA15740 | Paper exit gear (Z=26) |
| 24 | 26NA-1560 | Drive plate assembly |
| 25 | 26NA15600 | Drum driving gear (Z=108) |
| 26 | 26NA15500 | Gear/A (Z=26/97) |
| 27 | 26NA15510 | Gear/B (Z=97) |
| 28 | 26NA15760 | Gear/R (Z=21/50) |
| 29 | 26NA15560 | Gear/G (Z=24/49) |
| 30 | 26NA15630 | Gear/M (Z=34) |
| 31 | 26NA15580 | Gear/H (Z=55) |
| 32 | 26NA16140 | Idler gear/C (Z=35) |
| 33 | 26NA30870 | Spring spacer |
| 34 | 26NA17400 | Driving spacer/1 |
| 35 | 26NA17580 | Agitating coupling/B |
| 36 | 26NA-1570 | Dumper plate assembly |
| 37 | 113620600 | Pin (A) |
| 38 | 26TA15080 | Gear/D (Z=26) |
| 39 | 26NA16120 | Idler gear/B (Z=43) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z163081 |
| d | 00Z193043 |
| e | 00Z680806 |
| f | 00Z163061 |
| g | 00Z193041 |
| h | 00Z253081 |
| j | 00Z193061 |
| k | 00Z474063 |
| m | 00Z926903 |
| n | 00Z921302 |
| p | 00Z921941 |
| q | 00Z600306 |
| r | 00Z670306 |
| s | 00Z184081 |
| t | 00Z620401 |
| u | 00Z610401 |

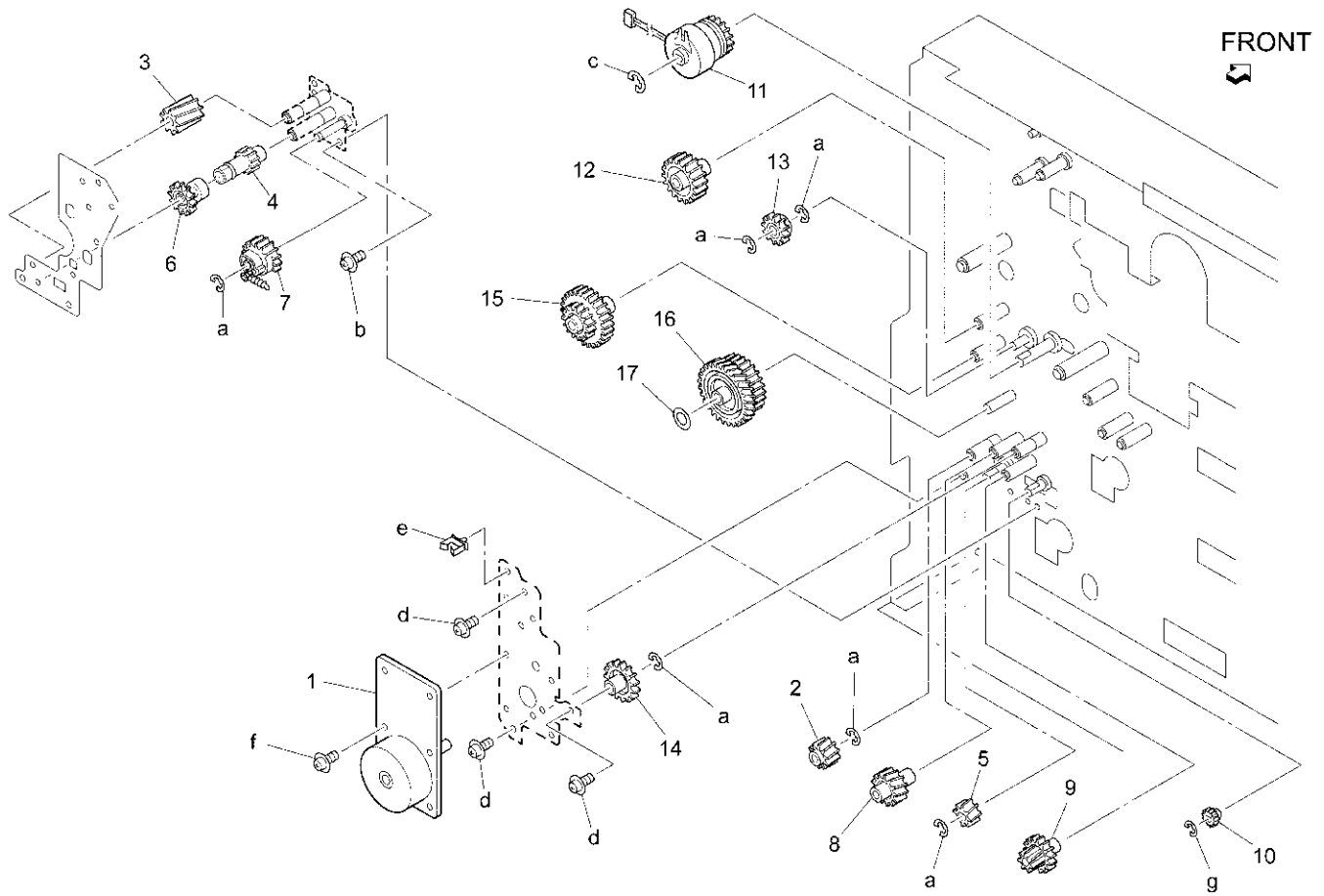
Driving unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26TA80010 | Drum driving motor |
| 2 | * | Not used |
| 3 | 26NA40820 | Bearing |
| 4 | 113620600 | Pin (A) |
| 5 | 26NA17060 | Developing drive gear/3 (Z=25/28) |
| 6 | 26NA16270 | Idler gear/L (Z=16) |
| 7 | 26NA17040 | Developing drive gear/1 (Z=23/52) |
| 8 | 26NA76010 | Paper feed shaft holder |
| 9 | 26NA17600 | Manual feed driving gear/2 |
| 10 | 26NA16260 | Driving gear (Z=15) |
| 11 | 26NA17480 | Paper feed coupling gear/A (Z=25) |
| 12 | 26NA16300 | Idler gear/O (Z=35) |
| 13 | 26NA16210 | Idler gear/G (Z=21/35) |
| 14 | 26NA16200 | Idler gear/F (Z=41) |
| 15 | 26NA-1680 | Paper feed gear/2 assembly |
| 16 | 26NA17490 | Paper feed coupling gear/B (Z=20) |
| 17 | 26NA16160 | Manual feed driving gear/1 (Z=25) |
| 18 | 26NA80041 | Cassette driving motor |
| 19 | 26NA16170 | Idler gear/E (Z=45) |
| 20 | 26NA16190 | Gear (Z=25) |
| 21 | 684276031 | Paper exit shaft holder |
| 22 | 26NA82020 | Paper feed clutch |
| 23 | 26NA16310 | Paper feed gear (Z=15) |
| 24 | 26NA17050 | Developing drive gear/2 (Z=27) |
| 25 | 066079020 | Drawer |
| 26 | 26TA90340 | Developing relay wiring |
| 27 | 26NA50980 | Conveyance spacer |
| 28 | 322076010 | Paper lift-up lever shaft holder |
| 29 | 26NA17550 | Developing drive gear/7 (Z=39) |
| 30 | 26NA17540 | Developing drive gear/6 (Z=32) |
| 31 | 26NA17560 | Developing input coupling/A |
| 32 | 26NA17570 | Developing input coupling/B |
| 33 | 26NA17590 | Spacer/B |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| d | 00Z283061 |
| e | 00Z193043 |
| f | 00Z193061 |
| g | 00Z670306 |
| h | 00Z921322 |
| j | 00Z193181 |
| k | 00Z193121 |

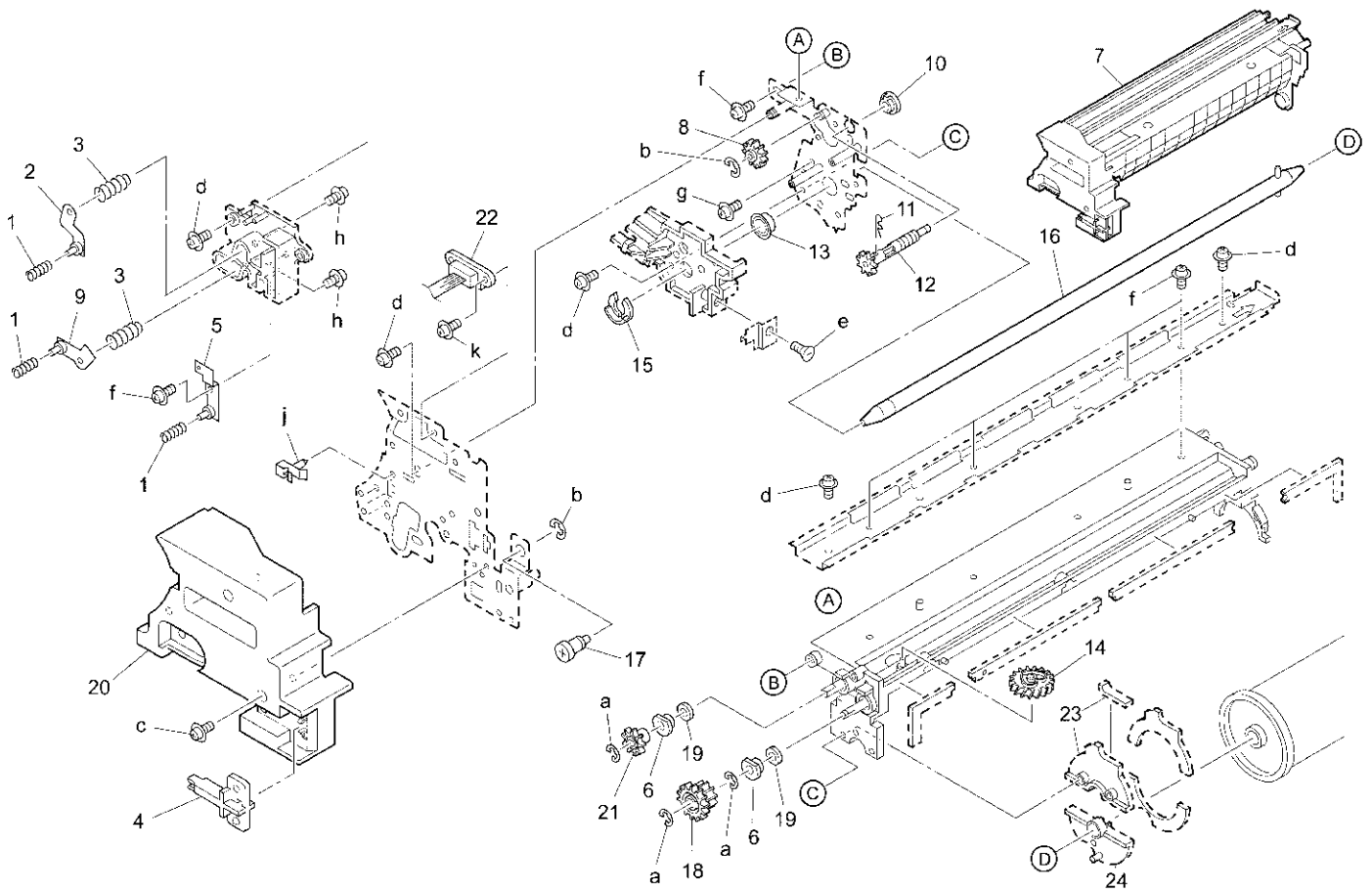
Driving unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26TA80010 | Drum driving motor |
| 2 | 26NA16250 | Idler gear/K (Z=20) |
| 3 | 26NA16270 | Idler gear/L (Z=16) |
| 4 | 26NA17490 | Paper feed coupling gear/B (Z=20) |
| 5 | 26NA16260 | Driving gear (Z=15) |
| 6 | 26NA17480 | Paper feed coupling gear/A (Z=25) |
| 7 | 26NA-1690 | Paper feed gear/3 assembly |
| 8 | 26NA16240 | Idler gear/J (Z=25) |
| 9 | 26NA16230 | Idler gear/I (Z=15/25) |
| 10 | 26NA16310 | Paper feed gear (Z=15) |
| 11 | 26NA82010 | Resist clutch |
| 12 | 26NA16120 | Idler gear/B (Z=43) |
| 13 | 26NA16130 | Clutch gear/1 (Z=27) |
| 14 | 26NA16220 | Idler gear/H (Z=33) |
| 15 | 26NA16110 | Idler gear/A (Z=27/54) |
| 16 | 26NA17260 | Paper feed driving gear (Z=52/97) |
| 17 | 190041410 | Polyslider 6 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z283061 |
| c | 00Z670506 |
| d | 00Z193061 |
| e | 00Z921322 |
| f | 00Z193043 |
| g | 00Z670306 |

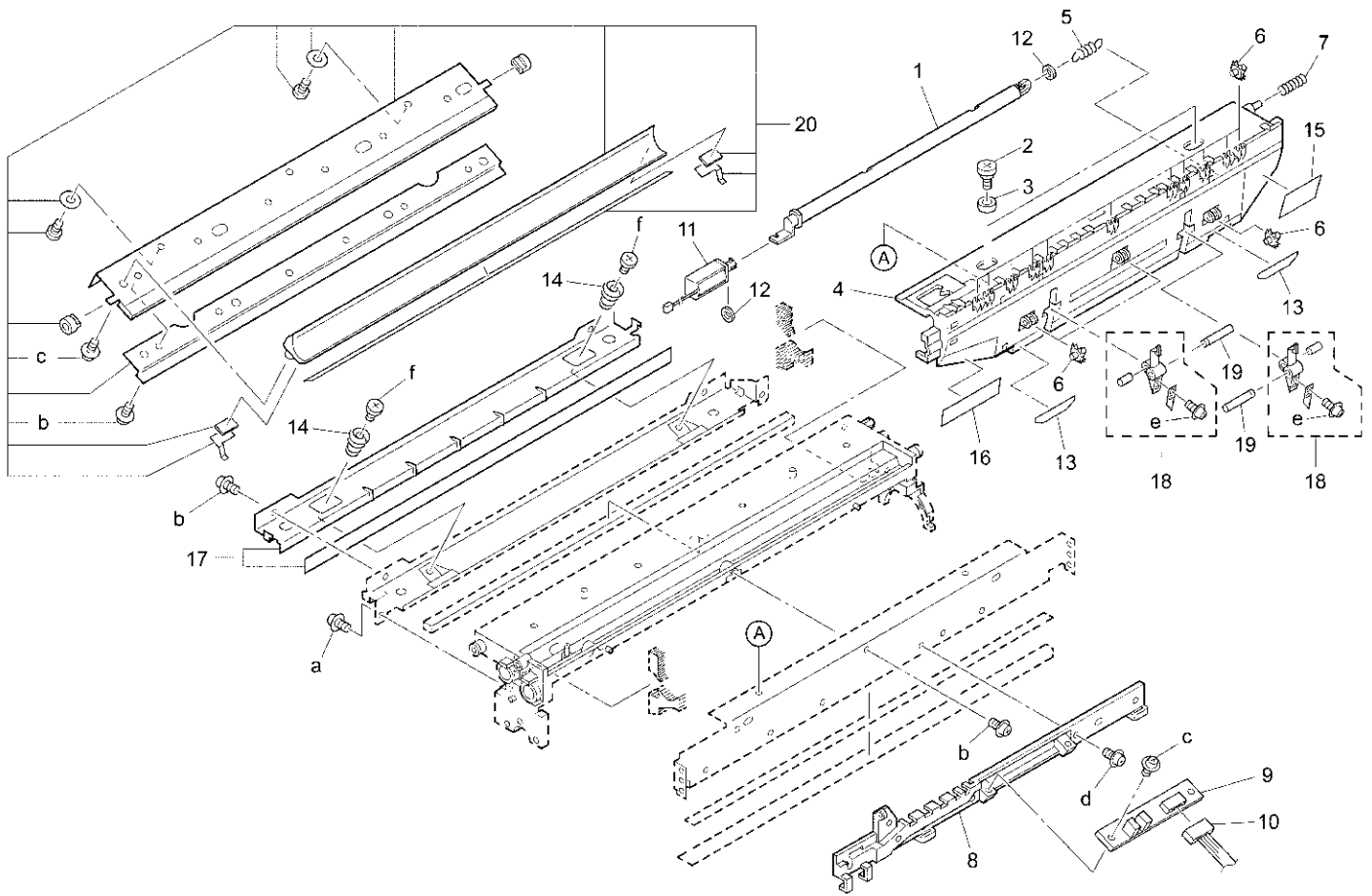
Drum cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 392045260 | Electrode connecting spring(B) |
| 2 | 26NA-2220 | Charging electrify plate/B assembly |
| 3 | 40AA73191 | Charging input spring |
| 4 | 26NA21340 | Drum rotary part |
| 5 | 26NA-2230 | Developing electrify plate assembly |
| 6 | 26NA20140 | Screw shaft holder |
| 7 | 26TA-9900 | Drum unit assembly |
| 8 | 26NA20420 | Idler gear (Z=25) |
| 9 | 26NA-2210 | Charging electrify plate/A assembly |
| 10 | 26NA20380 | Rocking shaft holder |
| 11 | 26NA20920 | Shaft fixed part |
| 12 | 26NA20570 | Separation rocking gear (Z=18) |
| 13 | 26NA21360 | Drum support shaft holder |
| 14 | 26NA20580 | Separation rocking cam |
| 15 | 26NA20940 | Drum support part |
| 16 | 26NA-2140 | Drum shaft assembly |
| 17 | 26NA21440 | Cartridge screw |
| 18 | 26NA20170 | Agitating gear (Z=19/30) |
| 19 | 26NA20710 | Felt/A |
| 20 | 26TA20350 | Cartridge cover/front |
| 21 | 26NA20160 | Screw gear (Z=24) |
| 22 | 26TA90070 | Drum wiring |
| 23 | 26NA-2110 | Blade seal block/F assembly |
| 24 | 26NA-2290 | Blade seal block/1 assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193043 |
| d | 00Z193061 |
| e | 00Z263081 |
| f | 00Z253081 |
| g | 00Z253121 |
| h | 00Z183061 |
| j | 00Z921913 |
| k | 00Z193081 |

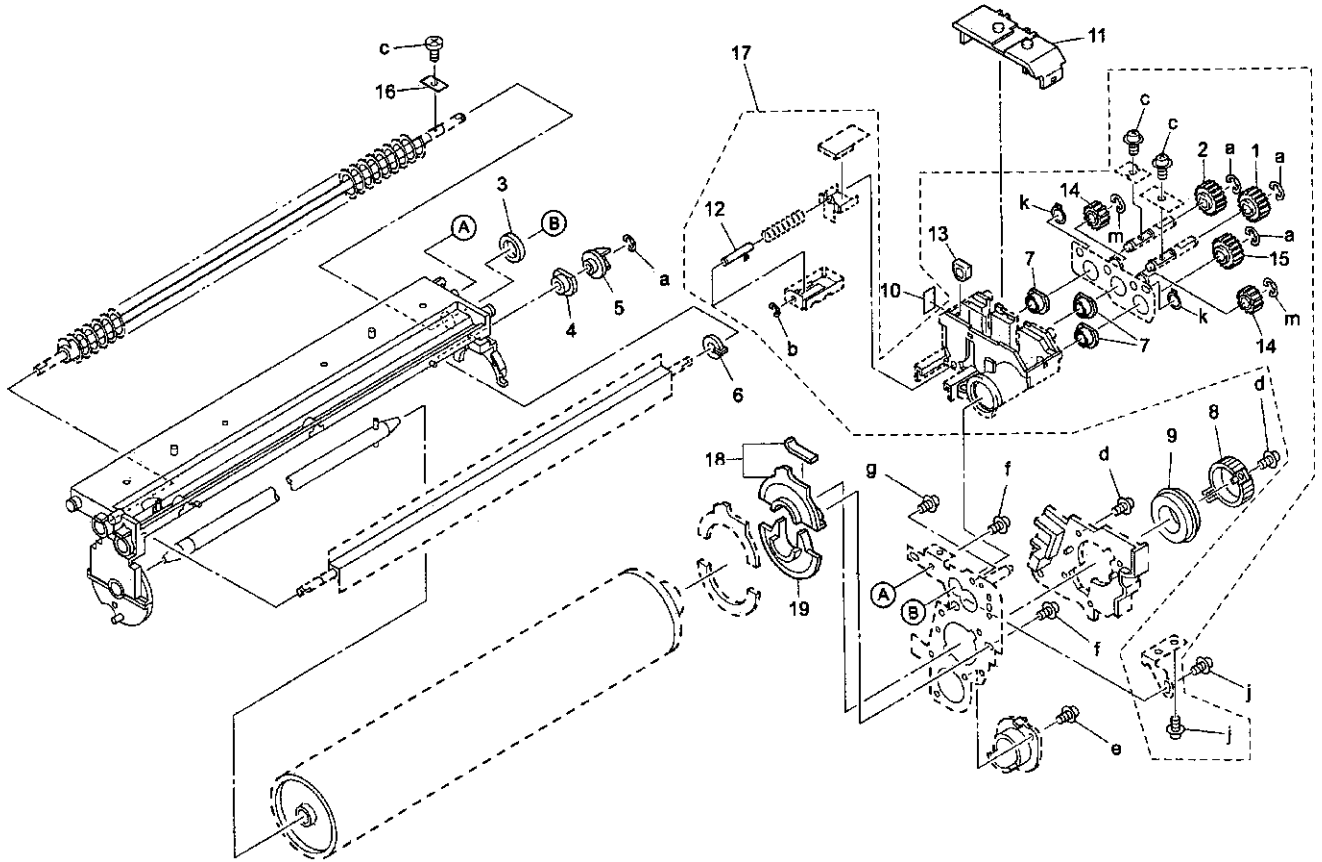
Drum cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26NA20270 | Separate release lever |
| 2 | 26NA20310 | Separate rocking screw |
| 3 | 26NA20300 | Separate rocking collar |
| 4 | 26NA20241 | Separate guide plate |
| 5 | 40AA20230 | Separate release spring |
| 6 | 26TA20320 | Separate auxiliary roller |
| 7 | 26NA20290 | Separate rocking spring |
| 8 | 26NA20950 | Wiring guide part |
| 9 | 26NA-9180 | Toner detecting board assembly |
| 10 | 26NA90310 | Wiring/1 |
| 11 | 26NA-2260 | Separate solenoid assembly |
| 12 | 26NA21380 | Solenoid seal |
| 13 | 26NA21400 | Paper guide sheet/A |
| 14 | 26TA20190 | Blade pressure spring |
| 15 | 26NA21420 | Paper guide sheet/C |
| 16 | 26NA21430 | Paper guide sheet/D |
| 17 | 26TA-2240 | Spewing preventive plate/A assembly |
| 18 | 26NA-2180 | Separate claw assembly |
| 19 | 40AA20170 | Separate fulcrum shaft |
| 20 | 26TA-2090 | Cleaning blade assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193043 |
| b | 00Z193061 |
| c | 00Z253081 |
| d | 00Z193041 |
| e | 00Z242061 |
| f | 00Z183061 |

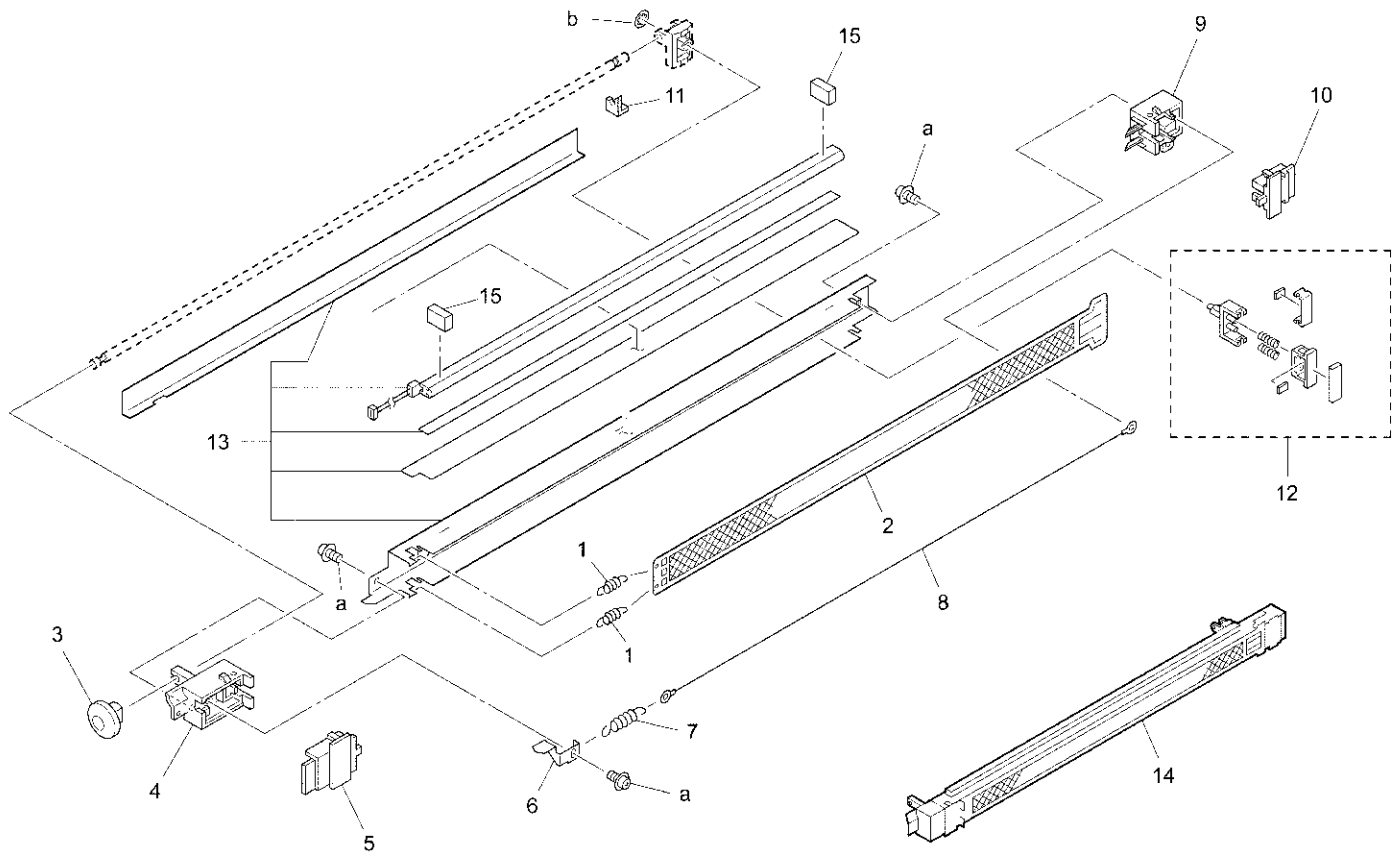
Drum cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26TA21470 | Toner conveyance gear/2 (Z=18) |
| 2 | 26TA21480 | Toner conveyance gear/3 (Z=16) |
| 3 | 26NA20220 | Cleaner collect seal |
| 4 | 26NA20140 | Screw shaft holder |
| 5 | 26NA20560 | Toner collect coupling |
| 6 | 26NA21160 | Shaft holder spacer |
| 7 | 26NA21280 | Screw shaft holder/B |
| 8 | 26NA20250 | Shaft holder fulcrum part |
| 9 | 26NA20480 | Drum shaft holder/F |
| 10 | 26TA21610 | Spewing PV sheet/B |
| 11 | 26TA-2270 | Collect cover/C assembly |
| 12 | 26NA20870 | Cleaner auxiliary part |
| 13 | 26TA21540 | Recycling shaft holder |
| 14 | 26TA21490 | Toner conveyance gear/4 (Z=13) |
| 15 | 26TA21460 | Toner conveyance gear/1 (Z=19) |
| 16 | 26TA21510 | Agitator plate/A |
| 17 | 26TA-2050 | Screw guide/rear assembly |
| 18 | 26NA-2120 | Blade seal block/F assembly |
| 19 | 26NA-2300 | Blade seal block/I assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670206 |
| c | 00Z112021 |
| d | 00Z193061 |
| e | 00Z163061 |
| f | 00Z253101 |
| g | 00Z253121 |
| j | 00Z253081 |
| k | 00Z600306 |
| m | 00Z670256 |

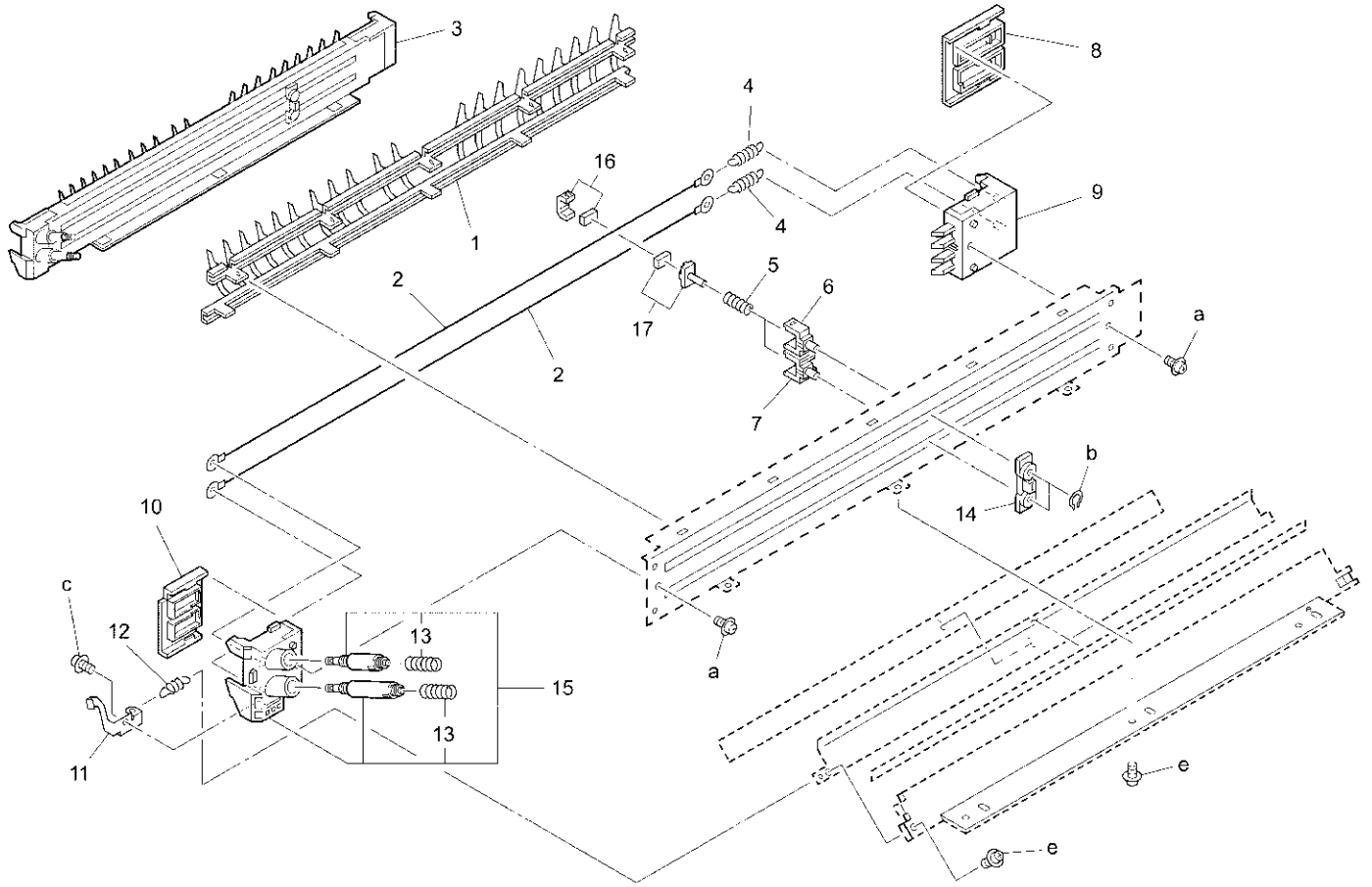
Charging corona unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------|
| 1 | 26NA25180 | Charging spring |
| 2 | 26NA25160 | Charging control plate |
| 3 | 540025121 | Charging cleaning knob |
| 4 | 26NA25020 | Charging block/front |
| 5 | 26NA25040 | Spark arrester preventive plate/front |
| 6 | 26NA25070 | Charging electrode plate |
| 7 | 26NA25170 | Wire tension spring |
| 8 | 26NA25060 | Charging wire |
| 9 | 26NA25010 | Charging block/rear |
| 10 | 26NA25050 | Spark arrester preventive plate/rear |
| 11 | 25HA25100 | Shaft stopper part |
| 12 | 26NA-2520 | Charging cleaning assembly |
| 13 | 26NA-2510 | Charging discharge plate assembly |
| 14 | 26NA-2500 | Charging corona unit |
| 15 | 26NA73801 | Regulating seal/A |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253061 |
| b | 00Z660306 |

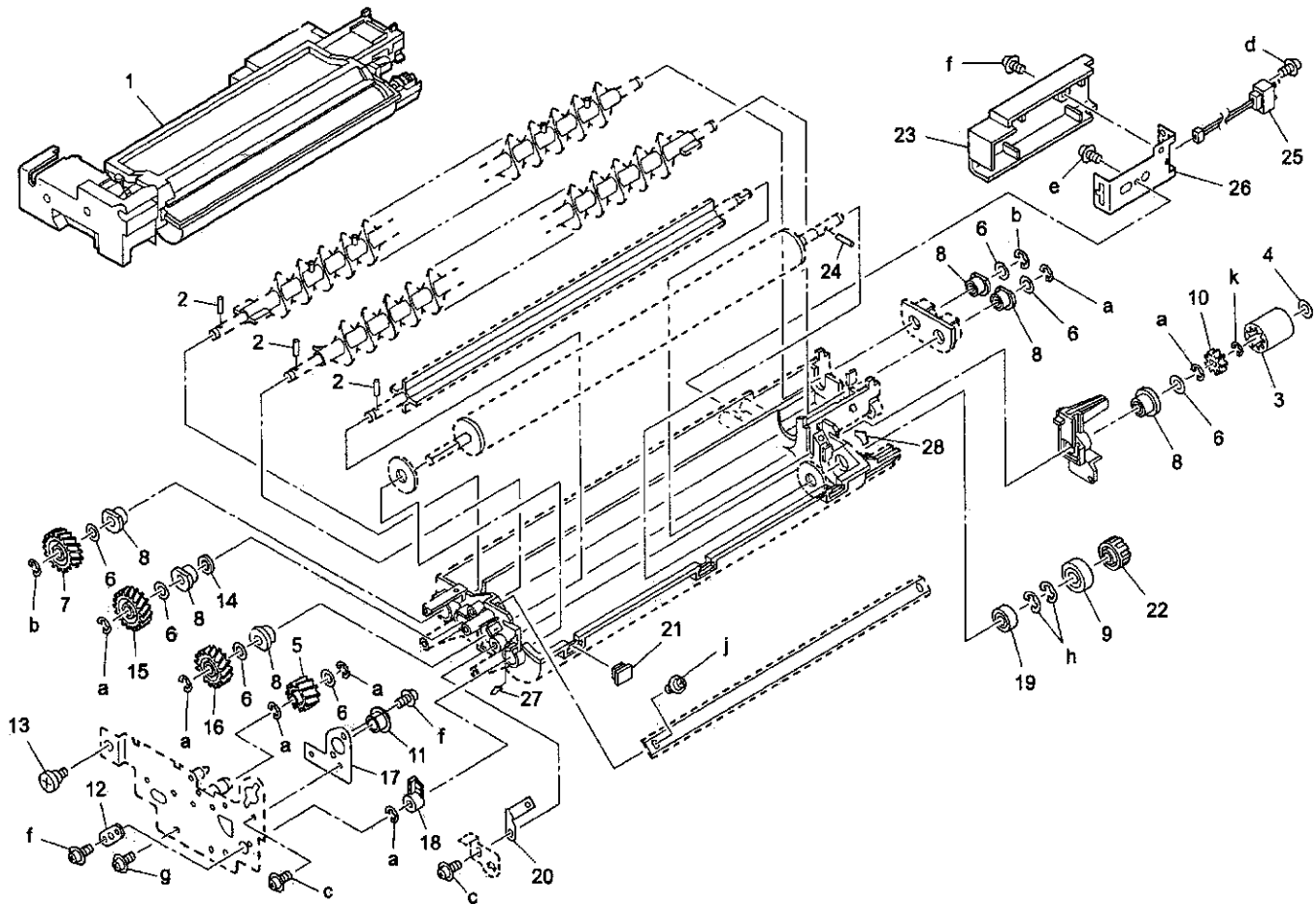
Transfer/separator unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------|
| 1 | 26NA26190 | Separate bridge |
| 2 | 26NA26080 | Discharge wire |
| 3 | 26NA-2600 | Transfer separator corona unit |
| 4 | 26NA26230 | Wire tension spring |
| 5 | 26NA25130 | Cleaner pressure spring |
| 6 | 26NA26270 | Transfer cleaning part/E |
| 7 | 26NA26150 | Transfer cleaning part/B |
| 8 | 26NA26070 | Spark arrester preventive plate/rear |
| 9 | 26NA26040 | Transfer separator block/rear |
| 10 | 26NA26060 | Spark arrester preventive plate/front |
| 11 | 26NA26250 | Electrode plate |
| 12 | 26NA26260 | Electrode spring |
| 13 | 26NA73251 | Electrode connecting spring/A |
| 14 | 26NA26140 | Transfer cleaning part/A |
| 15 | 26NA-2620 | Transfer separator block/front |
| 16 | 26NA-2640 | Cleaner cover assembly |
| 17 | 26NA-2630 | Cleaner shaft assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z600406 |
| c | 00Z24B061 |
| e | 00Z112031 |

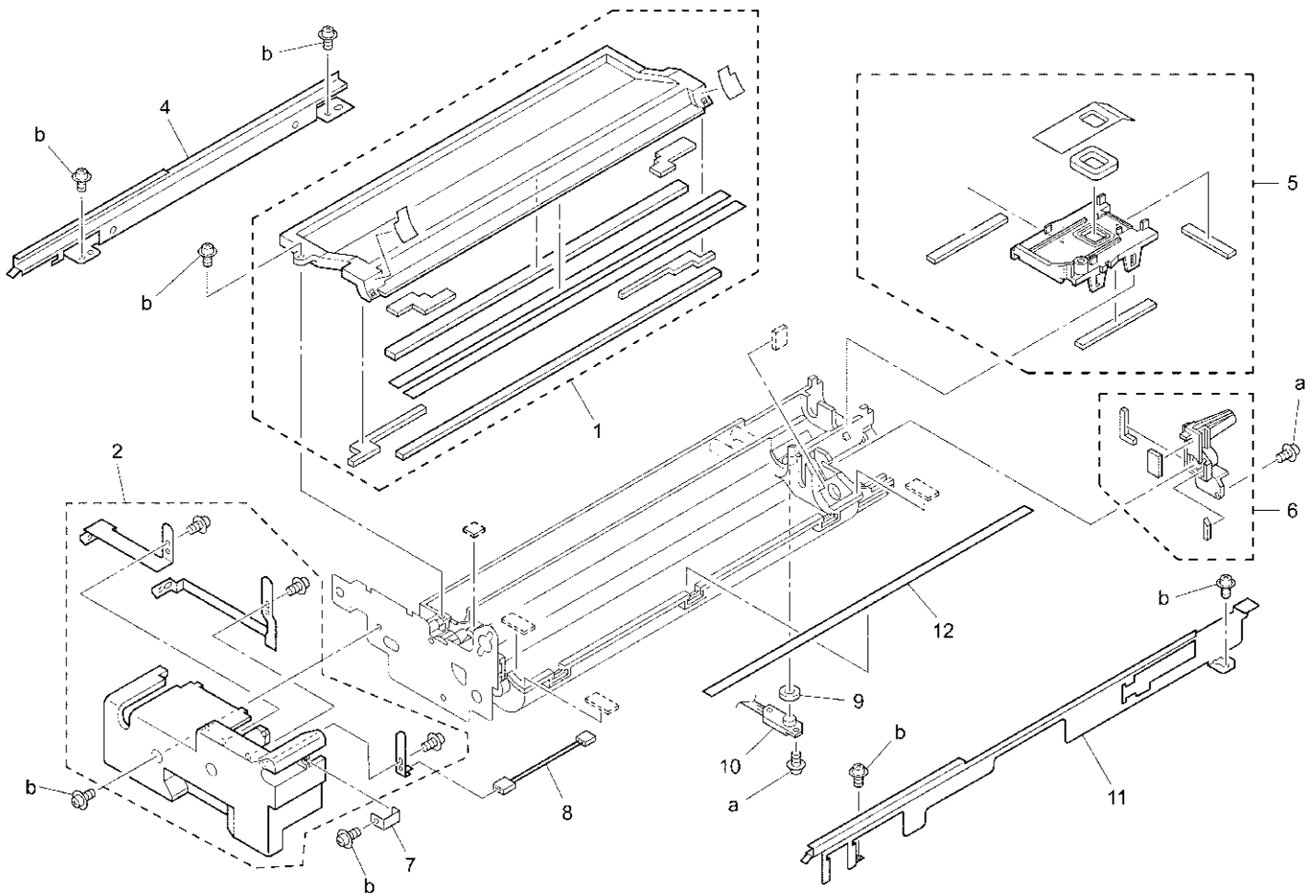
Developing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26TA-3000 | Developing unit |
| 2 | 466078010 | Pin (A) |
| 3 | 26NA30950 | Agitate coupling/A |
| 4 | 26NA30960 | Spacer/C |
| 5 | 26NA30170 | Idler gear (Z=19) |
| 6 | 26NA30850 | Shaft holder spacer |
| 7 | 26NA30810 | Developing gear/C (Z=27) |
| 8 | 26NA30770 | Developing shaft holder |
| 9 | 26NA30660 | Developing guide shaft holder |
| 10 | 26NA30730 | Agitate coupling |
| 11 | 26NA21360 | Drum support shaft holder |
| 12 | 26NA30750 | Developing adjusting cam/front |
| 13 | 26NA31010 | Positioning screw |
| 14 | 26NA30940 | Developing seal/S |
| 15 | 26NA30150 | Agitate gear/B (Z=27) |
| 16 | 26NA30140 | Agitate gear/A (Z=27) |
| 17 | 26NA30860 | Shaft holder fulcrum part |
| 18 | 26NA30630 | Developing shaft holder/front |
| 19 | 26NA30650 | Developing shaft holder/rear |
| 20 | 26NA30360 | Developing connecting plate |
| 21 | 26NA30840 | Developing block |
| 22 | 26NA30700 | Developing gear |
| 23 | 26NA30490 | Developing electrode cover |
| 24 | 113620600 | Pin (A) |
| 25 | 26TA90250 | Development wiring |
| 26 | 26NA30470 | Developing electrode stay |
| 27 | 26NA30980 | Developing seal/T |
| 28 | 26NA30990 | Developing seal/U |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670506 |
| c | 00Z163061 |
| d | 00Z183061 |
| e | 00Z253061 |
| f | 00Z193061 |
| g | 00Z253081 |
| h | 00Z670606 |
| j | 00Z163081 |
| k | 00Z670306 |

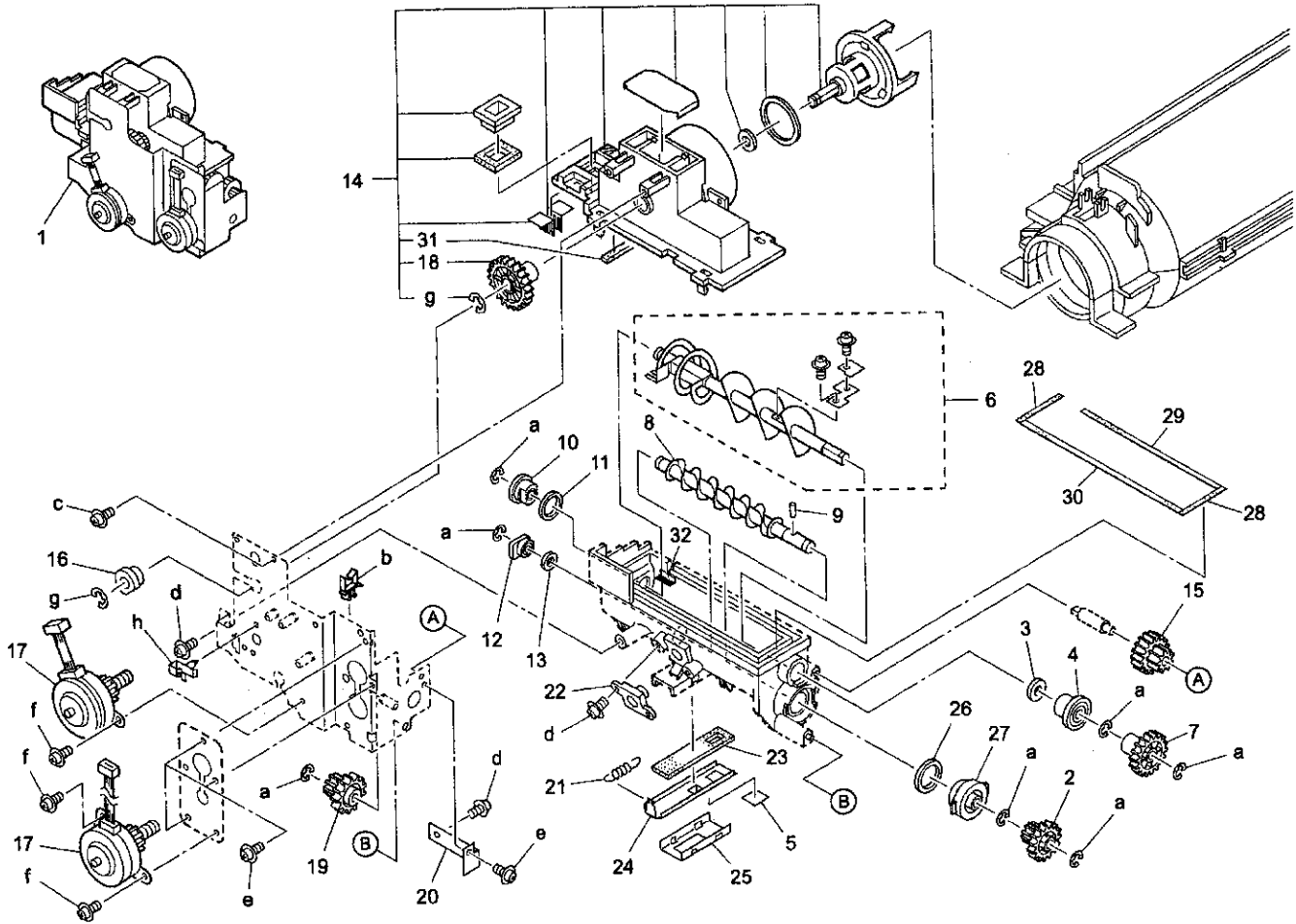
Developing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26TA-3060 | Developing cover assembly |
| 2 | 26NA-3040 | Developing cover assembly |
| 3 | * | Not used |
| 4 | 26NA30740 | Developing rail/left |
| 5 | 26NA-3050 | Developing cover part/A assembly |
| 6 | 26NA-3020 | Developing cover part/C assembly |
| 7 | 26NA30930 | Developing support stopper |
| 8 | 26NA90350 | Developing relay wiring/2 |
| 9 | 029420640 | L detecting seal |
| 10 | 26NA88040 | Toner density sensor |
| 11 | 26TA30710 | Developing rail/right |
| 12 | 26NA30440 | Spewing preventive sheet/2 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253061 |
| b | 00Z193061 |

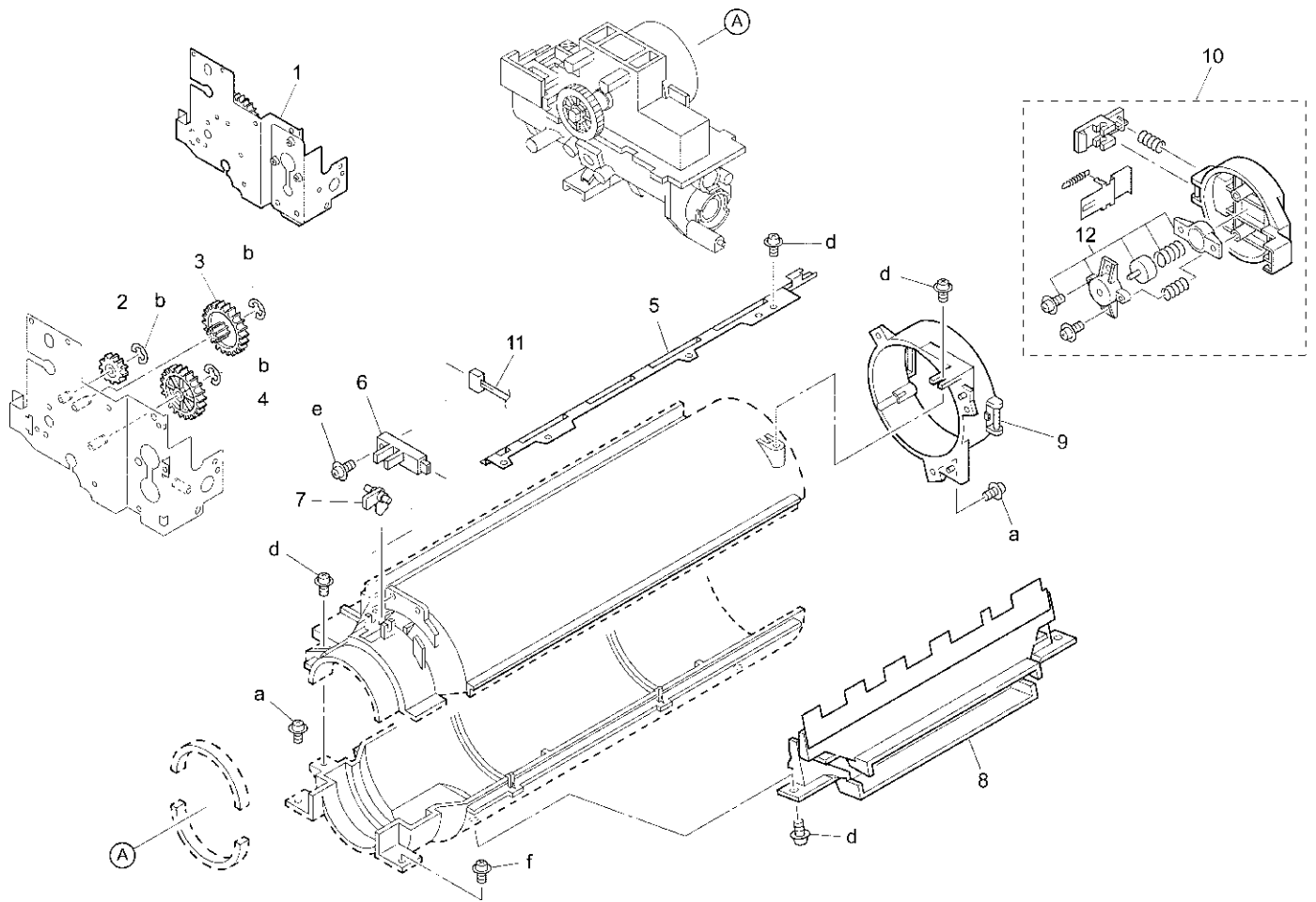
Toner supply unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26TA-3200 | Toner supply unit |
| 2 | 26NA32510 | Toner conveyance gear/1 (Z=16/24) |
| 3 | 26NA32960 | Felt/C |
| 4 | 25HA32152 | Toner conveyance shaft holder/A |
| 5 | 26NA32900 | Spewing preventive spacer |
| 6 | 26NA-3250 | Agitate screw assembly |
| 7 | 26NA32530 | Toner conveyance gear/4 (Z=34) |
| 8 | 26NA32040 | Toner supply screw |
| 9 | 26NA32970 | Pin |
| 10 | 26NA32540 | Toner agitate shaft holder |
| 11 | 26NA32280 | Screw seal part/upper |
| 12 | 26NA32550 | Toner agitate shaft holder/right |
| 13 | 26NA32200 | Screw seal part/lower |
| 14 | 26NA-3221 | Toner supply base/upper assembly |
| 15 | 26NA32520 | Toner conveyance gear/3 (Z=13/30) |
| 16 | 26NA32660 | Toner supply shaft holder |
| 17 | 26NA80060 | Toner supply motor |
| 18 | 26NA32590 | Toner supply regulating gear (Z=42) |
| 19 | 26NA32680 | Toner conveyance gear/5 (Z=16/23) |
| 20 | 26NA32470 | Driving auxiliary plate |
| 21 | 26NA32090 | Toner supply open-close spring |
| 22 | 40AA88030 | Remained detecting sensor |
| 23 | 26NA32300 | Toner supply open-close sheet |
| 24 | 26NA32080 | Toner supply open-close plate |
| 25 | 26NA32430 | Toner supply open-close cover |
| 26 | 26NA32270 | Screw seal part/middle |
| 27 | 26NA32560 | Toner agitate shaft holder/left |
| 28 | 26NA32930 | Toner supply seal/3 |
| 29 | 26NA32920 | Toner supply seal/2 |
| 30 | 26NA32910 | Toner supply seal/1 |
| 31 | 26NA32940 | Toner supply seal/4 |
| 32 | 26TA33010 | Toner agitate sheet/front |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z921301 |
| c | 00Z283061 |
| d | 00Z253081 |
| e | 00Z193041 |
| f | 00Z143041 |
| g | 00Z670506 |
| h | 00Z921941 |

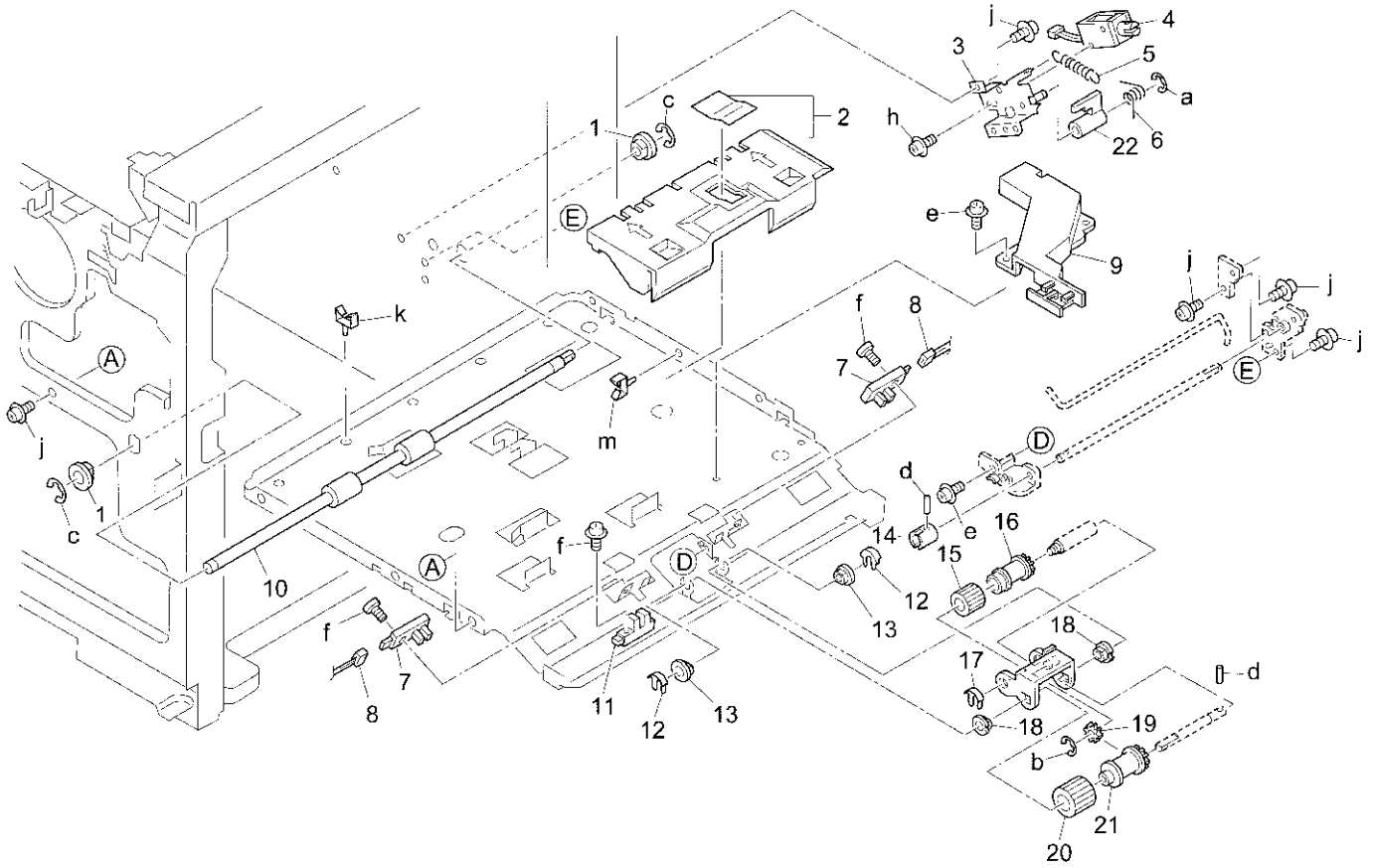
Toner supply unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26TA-3230 | Toner supply driving assembly |
| 2 | 26TA32580 | Toner supply regulating gear (Z=18) |
| 3 | 26TA32640 | Toner supply gear/2 (Z=16/51) |
| 4 | 26TA32610 | Toner supply gear/1 (Z=23/51) |
| 5 | 26NA10350 | Rail/left |
| 6 | 552085510 | Photosensor |
| 7 | 26NA32230 | Detecting actuator/A |
| 8 | 26NE-7620 | Cooling cover/E assembly |
| 9 | 26TE-3340 | Toner supply guide part assembly |
| 10 | 26TA-3320 | Toner cartridge pressure assembly |
| 11 | 26NA90330 | Wiring/3 |
| 12 | 26TA-3330 | Pressure assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z283061 |
| b | 00Z670406 |
| d | 00Z253081 |
| e | 00Z253141 |
| f | 00Z194061 |

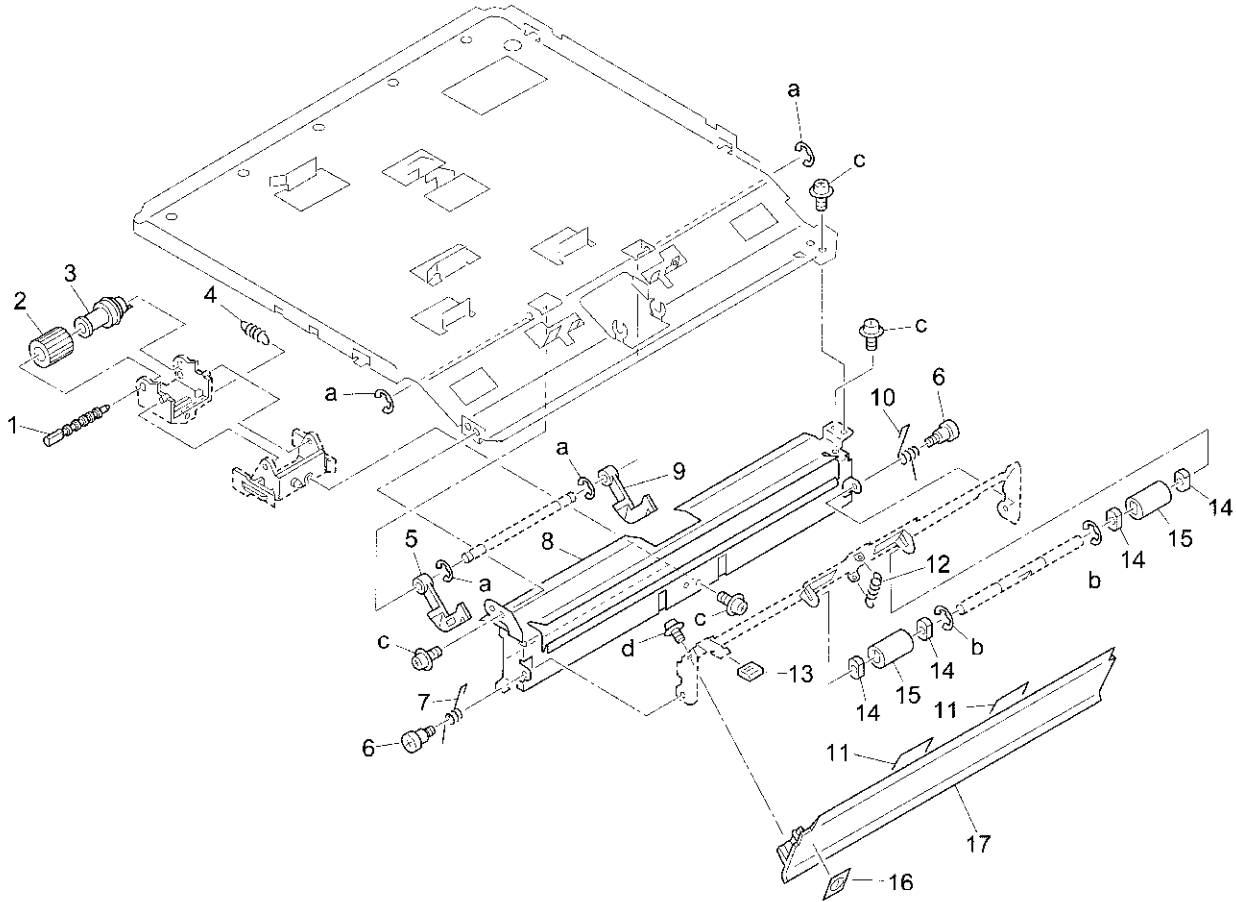
Paper feed unit (upper)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26NA40820 | Paper feed slide holder |
| 2 | 26PA-4140 | Toner cover assembly |
| 3 | 26NA-4190 | Solenoid mount plate assembly |
| 4 | 26NA82510 | Paper feed solenoid |
| 5 | 26NA40810 | Paper feeding spring |
| 6 | 26NA40760 | Lever hold spring |
| 7 | 552085510 | Photosensor |
| 8 | 26PA90120 | Paper feed wiring/upper |
| 9 | 26TA73490 | Wiring guide bridge |
| 10 | 26NA40231 | Paper feed connecting roller/1 |
| 11 | 25AA85511 | Photosensor |
| 12 | 26NA40700 | Shaft positioning part |
| 13 | 540076010 | Paper feed shaft holder |
| 14 | 26NA40160 | Driving coupling |
| 15 | 26NA40090 | Paper feeding rubber |
| 16 | 26NA40080 | Feeding roller |
| 17 | 40AA40150 | Shaft positioning part |
| 18 | 40AA76040 | Feeding shaft holder |
| 19 | 26NA40510 | Paper feed idler gear (Z=17) |
| 20 | 26NA40110 | Double feed preventive rubber/upper |
| 21 | 26NA40100 | Double feed preventive roller/upper |
| 22 | 26NA40830 | Positioning arm |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| h | 00Z163051 |
| j | 00Z283061 |
| k | 00Z921302 |
| m | 00Z921942 |

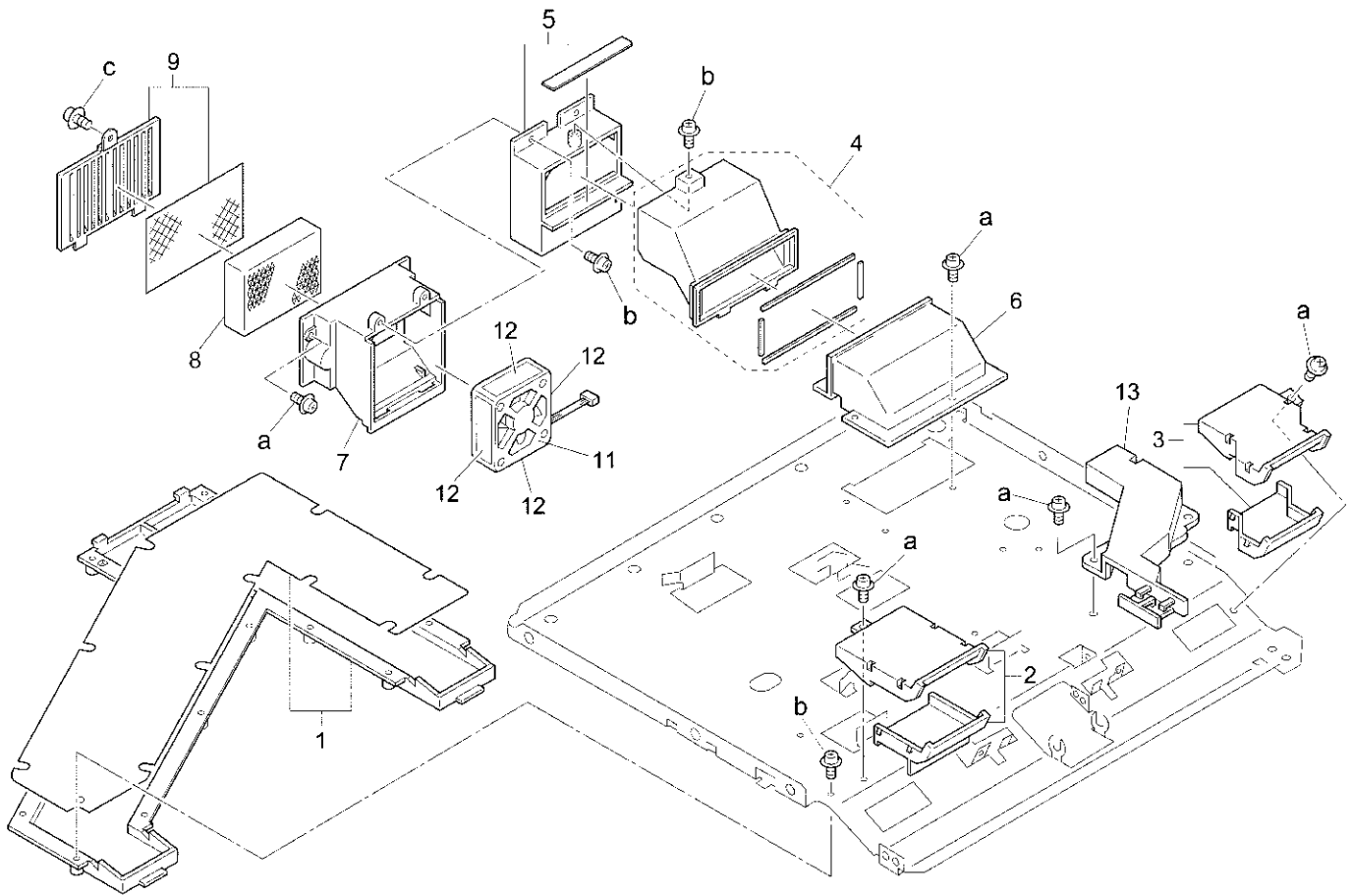
Paper feed unit (upper)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 40AA40181 | Lever click shaft |
| 2 | 26NA40120 | Double feed preventive rubber/lower |
| 3 | 26NA40500 | Double feed preventive roller |
| 4 | 40AA40450 | Double feed pressure spring |
| 5 | 26NA40280 | Paper detecting actuator |
| 6 | 066079020 | Drawer |
| 7 | 26NA40631 | Paper feed pressure spring/front |
| 8 | 26PA40030 | Paper feed guide plate/upper |
| 9 | 26NA40750 | Paper detecting actuator/2 |
| 10 | 26NA40641 | Paper feed pressure spring/rear |
| 11 | 26NA40910 | Paper feed guide sheet/A |
| 12 | 26NA40261 | Conveyance pressure spring |
| 13 | 26NA40781 | Paper feed support knob |
| 14 | 25AA75530 | Slide shaft holder |
| 15 | 26NA42560 | Manual feed driven roller |
| 16 | 26NA97430 | Lever indication label/1 |
| 17 | 26NA40221 | Paper feed auxiliary part |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193061 |
| d | 00Z253081 |

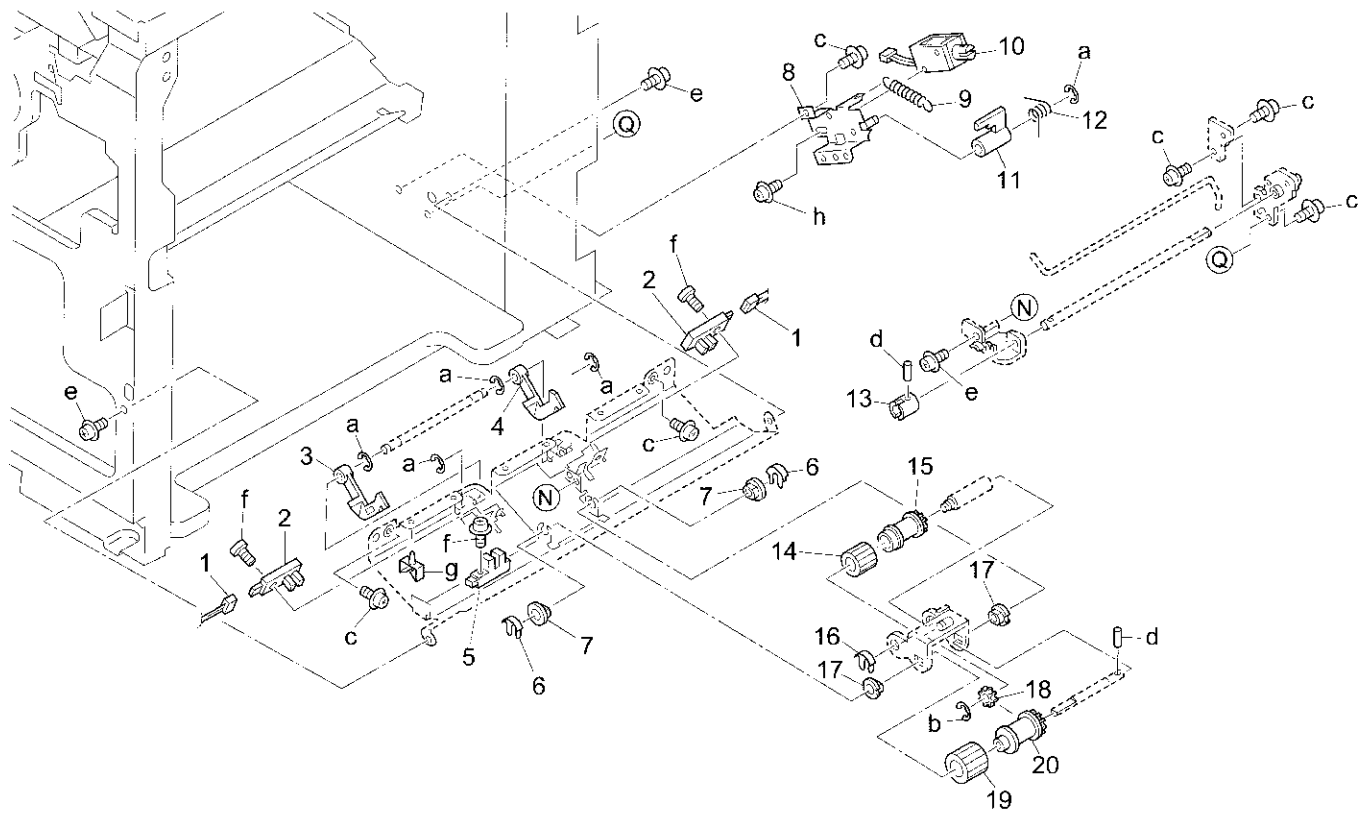
Suction unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 26TA-3160 | Suction cover sticking assembly |
| 2 | 26TA-3110 | Suction cover/2 assembly |
| 3 | 26TA-3120 | Suction cover/3 assembly |
| 4 | 26TA-3130 | Suction cover/6 assembly |
| 5 | 26TA-3150 | Fan cover/2 assembly |
| 6 | 26TA31050 | Suction cover/5 |
| 7 | 26TA31080 | Fan cover/1 |
| 8 | 26TA31110 | Suction filter/A |
| 9 | 26TA-3140 | Filter cover assembly |
| 11 | 26NA80510 | Main fan motor |
| 12 | 26NA73731 | Dust proof seal/5 |
| 13 | 26TA73490 | Wiring guide bridge |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z253081 |
| c | 00Z193062 |

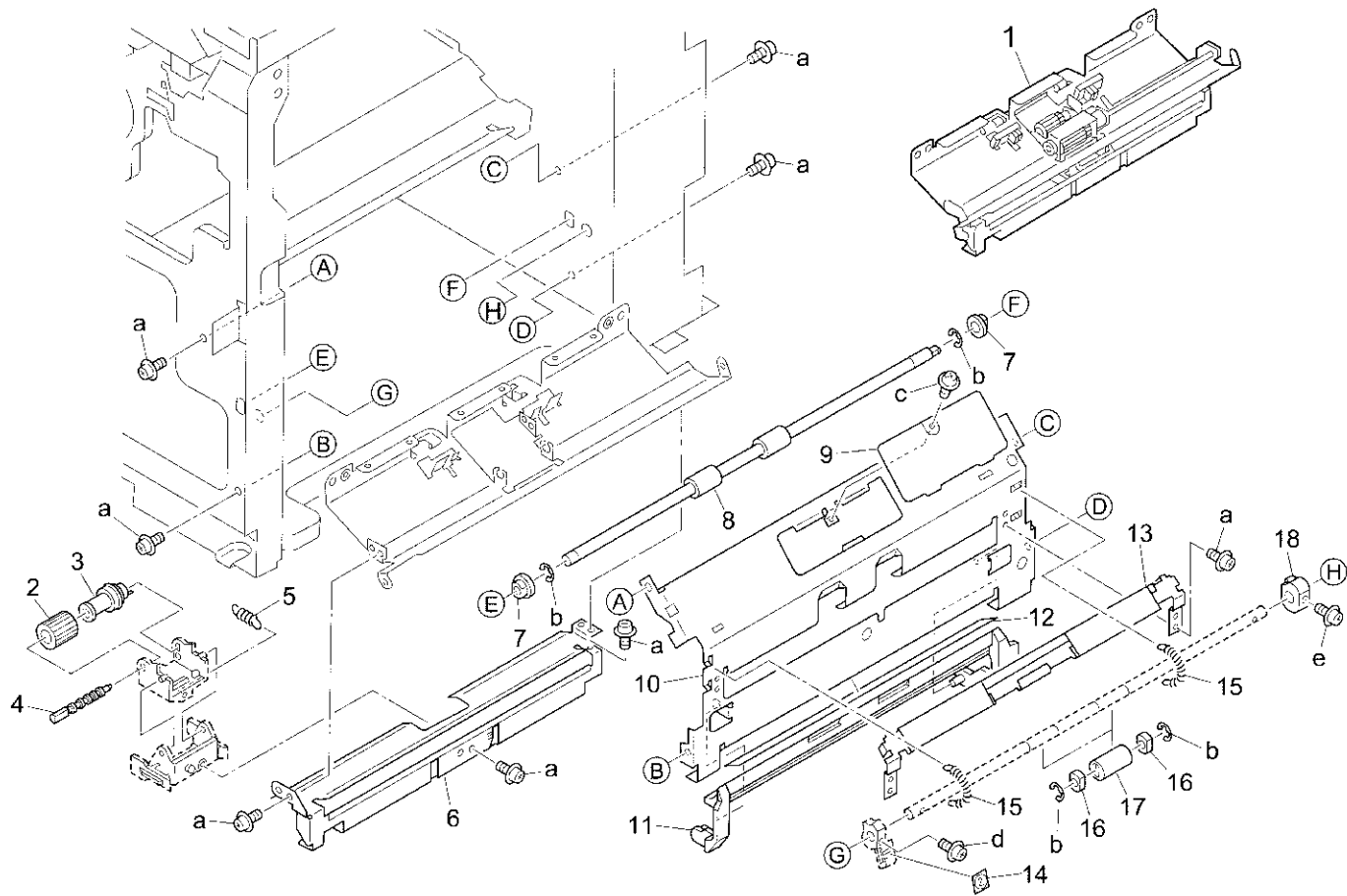
Paper feed unit (lower)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26PA90130 | Paper feed wiring/lower |
| 2 | 552085510 | Photosensor |
| 3 | 26NA40280 | Paper detecting actuator |
| 4 | 26NA40750 | Paper detecting actuator/2 |
| 5 | 25AA85511 | Photosensor |
| 6 | 26NA40700 | Shaft positioning part |
| 7 | 540076010 | Paper feed shaft holder |
| 8 | 26NA-4190 | Solenoid mount plate assembly |
| 9 | 26NA40810 | Paper feeding spring |
| 10 | 26NA82510 | Paper feed solenoid |
| 11 | 26NA40830 | Positioning arm |
| 12 | 26NA40760 | Lever hold spring |
| 13 | 26NA40160 | Driving coupling |
| 14 | 26NA40090 | Paper feeding rubber |
| 15 | 26NA40080 | Feeding roller |
| 16 | 40AA40150 | Shaft positioning part |
| 17 | 40AA76040 | Feeding shaft holder |
| 18 | 26NA40510 | Paper feed idler gear (Z=17) |
| 19 | 26NA40110 | Double feed preventive rubber/upper |
| 20 | 26NA40100 | Double feed preventive roller/upper |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z283061 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| g | 00Z921942 |
| h | 00Z163051 |

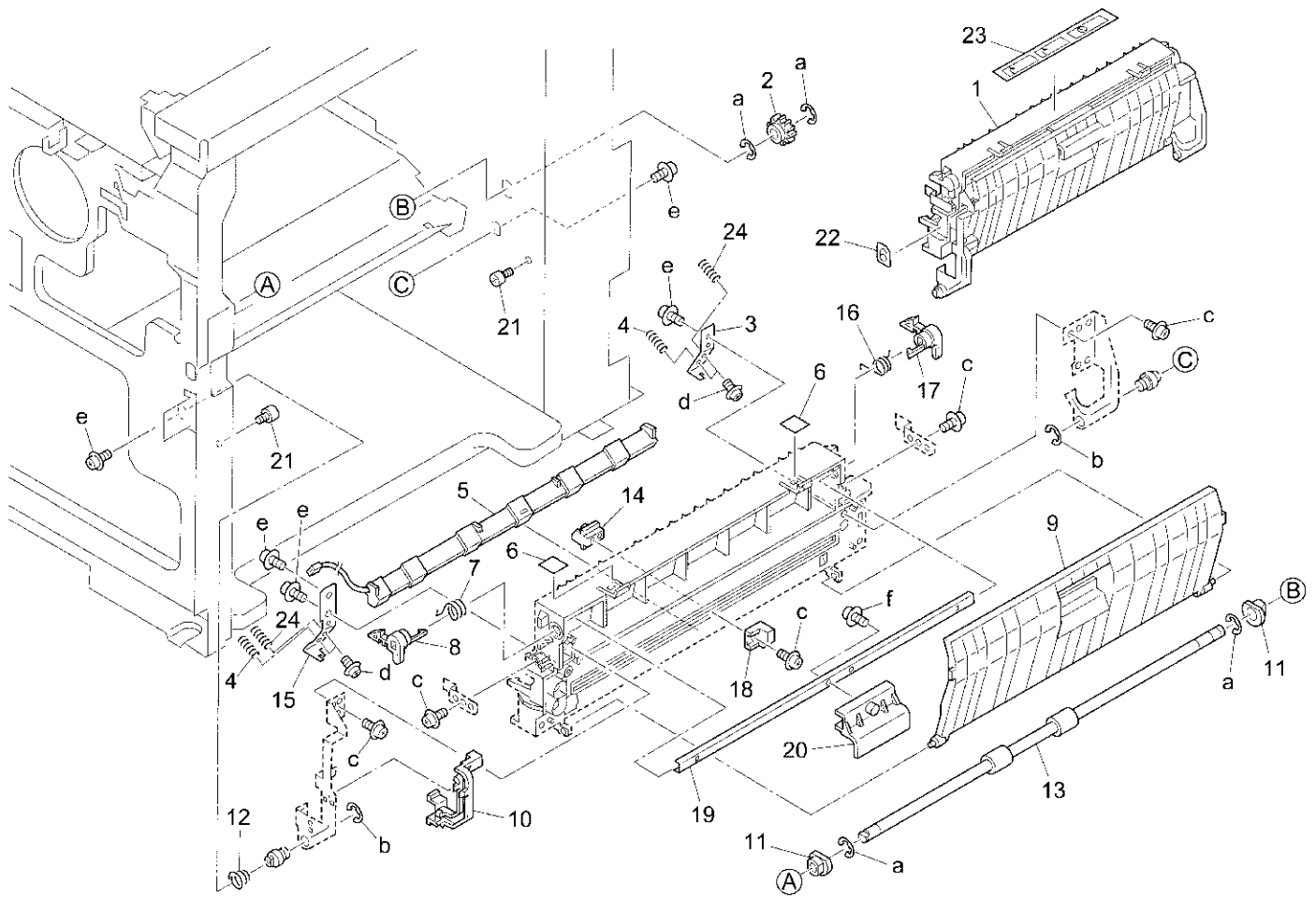
Paper feed unit (lower)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26PA-4010 | Paper feed lower assembly |
| 2 | 26NA40120 | Double feed preventive rubber/lower |
| 3 | 26NA40500 | Double feed preventive roller |
| 4 | 40AA40181 | Lever click shaft |
| 5 | 40AA40450 | Double feed pressure spring |
| 6 | 26PA40740 | Paper feed guide plate/lower |
| 7 | 26NA40820 | Paper feed slide shaft holder |
| 8 | 26NA40671 | Paper feed connecting roller/2 |
| 9 | 26NA40200 | Paper feed protect sheet/2 |
| 10 | 26NA40190 | Paper feed plate/right |
| 11 | 26NA40270 | Side guide plate |
| 12 | 26NA50352 | Guide sheet |
| 13 | 26NA-4160 | Paper feed enter plate assembly |
| 14 | 26NA97440 | Lever indication label/2 |
| 15 | 26NA40720 | Paper feed conveyance spring |
| 16 | 26NA40890 | Slide shaft holder |
| 17 | 26NA40681 | Paper feed driven roller/lower |
| 18 | 26NA40880 | Cam release part/rear |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z670606 |
| c | 00Z183061 |
| d | 00Z193141 |
| e | 00Z163121 |

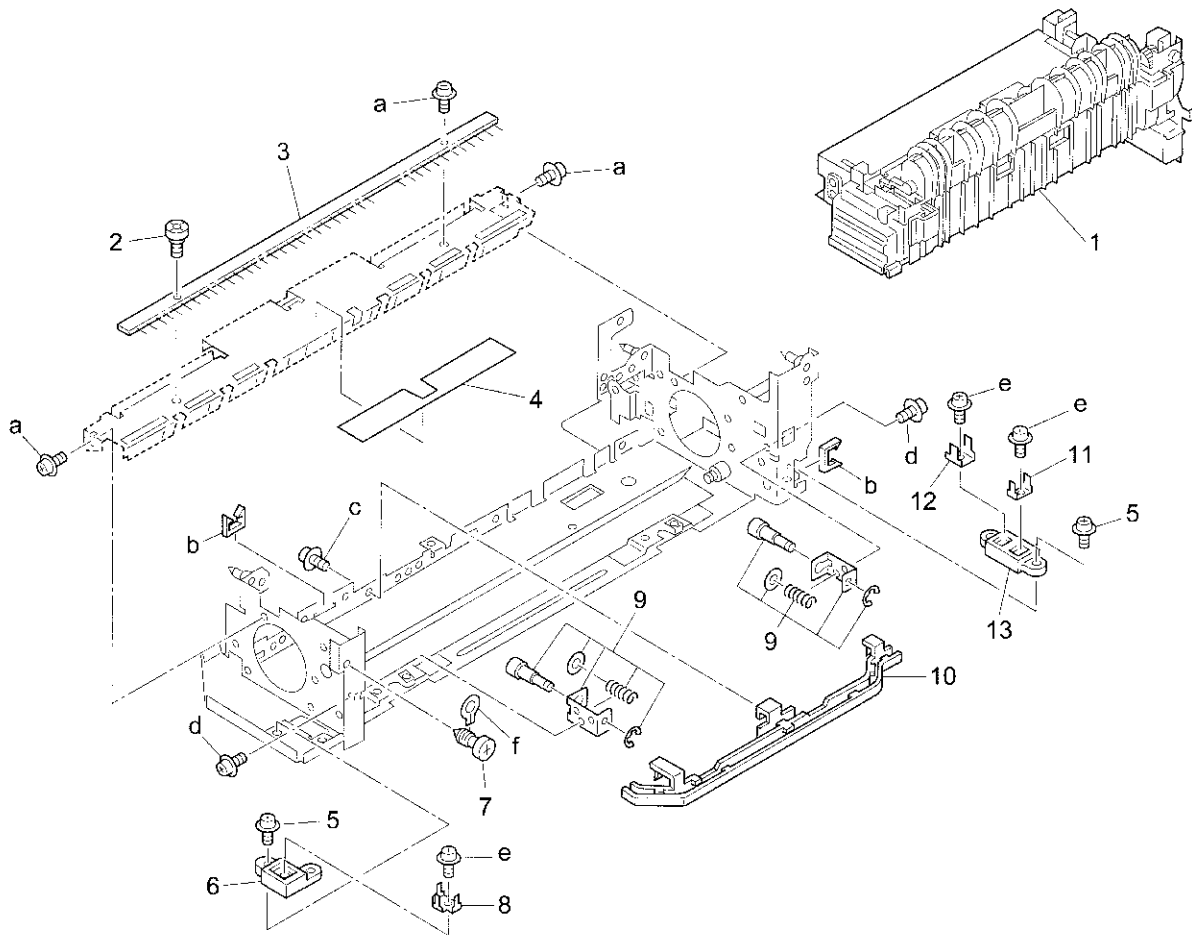
Conveyance unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------|
| 1 | 26NA-4500 | Conveyance unit |
| 2 | 26NA16130 | Clutch gear/1 (Z=27) |
| 3 | 26NA45080 | Lift-up plate |
| 4 | 26NA45071 | Lift-up spring |
| 5 | 26NA-4581 | PTL light shield assembly |
| 6 | 26NA97380 | Open-close label/lower |
| 7 | 26NA45330 | Lock spring/2 |
| 8 | 26NA45220 | Open-close lever |
| 9 | 26NA45340 | Conveyance guide part |
| 10 | 26NA45390 | Cord cover |
| 11 | 466076020 | Paper feeding shaft holder |
| 12 | 26NA45290 | Ground spring |
| 13 | 26NA45030 | Conveyance roller |
| 14 | 26NA45400 | Guide part |
| 15 | 26NA45090 | Ground plate |
| 16 | 26NA45320 | Lock spring/1 |
| 17 | 26NA45310 | Open-close lever/2 |
| 18 | 26NA45410 | Electrode cleaning knob |
| 19 | 26NA45210 | Conveyance open-close shaft |
| 20 | 26NA45350 | Conveyance knob |
| 21 | 26NA45430 | Conveyance stopper |
| 22 | 26NA97480 | Lever indication label/6 |
| 23 | 26NA97491 | Drum caution label |
| 24 | 26NA45490 | Lifting spring/2 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z253081 |
| d | 00Z113041 |
| e | 00Z193061 |
| f | 00Z243061 |

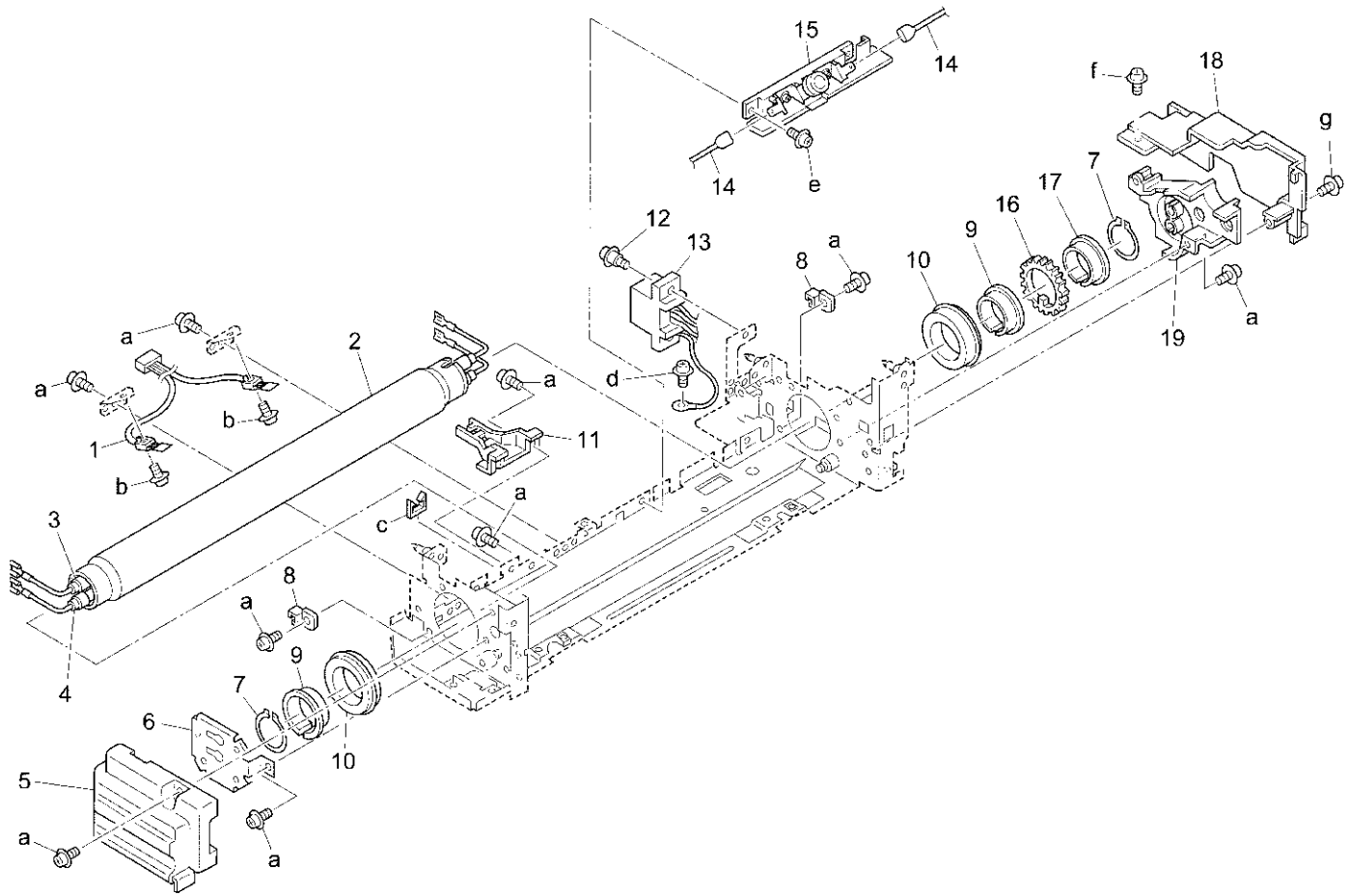
Fixing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26TE-5300 | Fixing unit |
| 2 | 26NA54190 | Fixing guide screw |
| 3 | 26NA54140 | Neutralizing brush |
| 4 | 26NA53500 | Fixing heat insulating sheet/D |
| 5 | 26NA54230 | Terminal fixing screw |
| 6 | 26NA53780 | Terminal plate/B |
| 7 | 26NA53931 | Fixed screw |
| 8 | 26NA54280 | Terminal plate |
| 9 | 26TA-5460 | Pressure spring assembly |
| 10 | 26NA54051 | Wiring guide part/B |
| 11 | 40AA53470 | Terminal plate/1 |
| 12 | 26NA53740 | Terminal plate/A |
| 13 | 26NA53770 | Terminal plate/A |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z163061 |
| b | 00Z921330 |
| c | 00Z193041 |
| d | 00Z183031 |
| e | 00Z153061 |
| f | 00Z600406 |

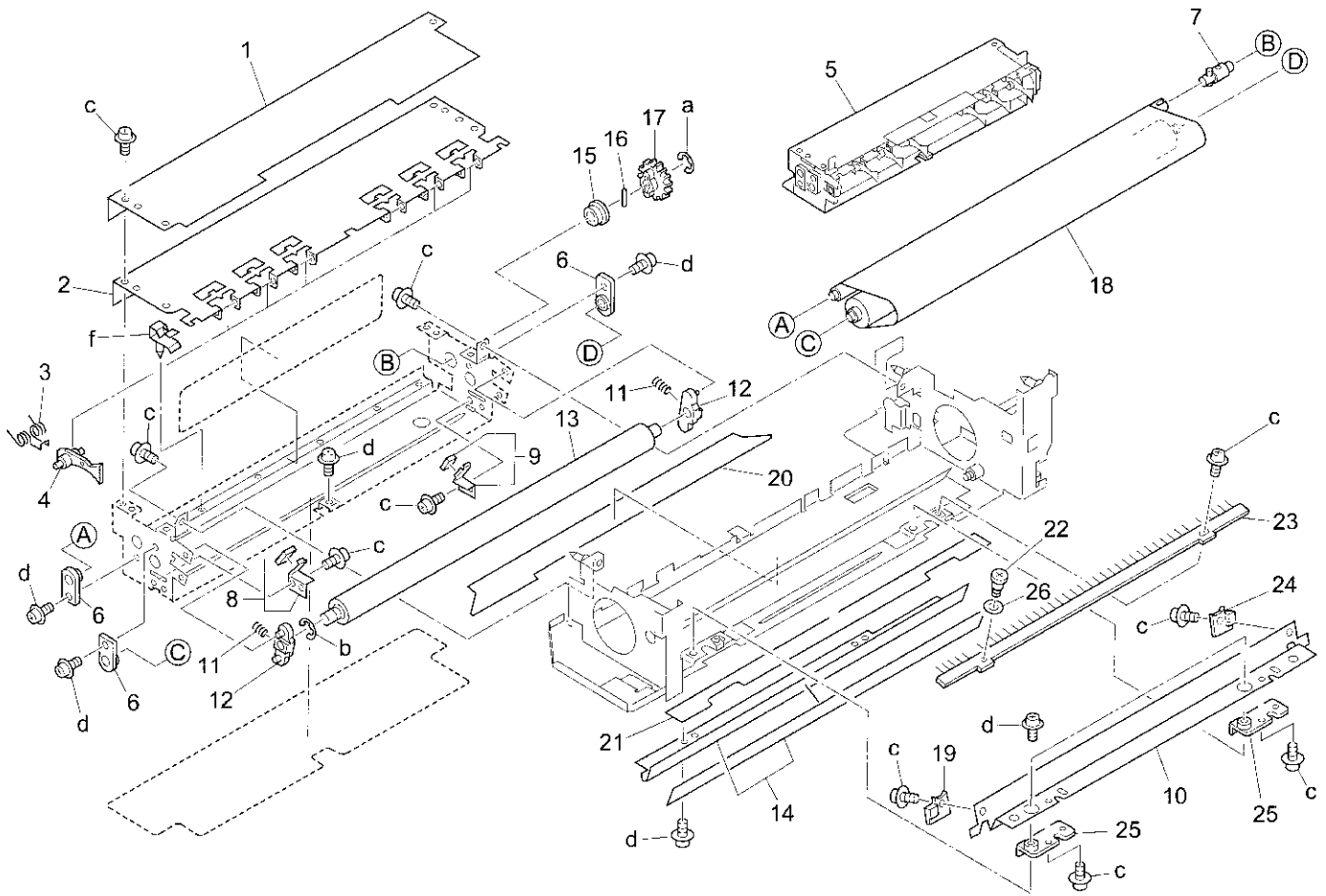
Fixing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------|
| 1 | 26NA88011 | Fixing sensor |
| 2 | 26TA53030 | Fixing roller/upper |
| 3 | 26NE83020 | Fixing heater/1 |
| 4 | 26NE83030 | Fixing heater/2 |
| 5 | 26NA53401 | Fixing cover/front |
| 6 | 26NA53890 | Lamp support part/front |
| 7 | 26NA53620 | Fixing fixed part |
| 8 | 26NA53211 | Wiring guide part/A |
| 9 | 26NA53720 | Heat insulating sleeve/A |
| 10 | 26NA53710 | Fixing shaft holder/upper |
| 11 | 26TA54150 | Wiring guide part/C |
| 12 | 26NA54030 | Mount screw |
| 13 | 26TA90050 | Fixing powering wiring |
| 14 | 26TA90040 | Fuse cord/1 |
| 15 | SP00-0110 | Fuse mount plate assembly |
| 16 | 26TA54060 | Fixing gear (Z=47) |
| 17 | 26NA53730 | Heat insulating sleeve/B |
| 18 | 26NA53410 | Fixing cover/rear |
| 19 | 26TA53900 | Lamp support part/rear |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193041 |
| b | 00Z163101 |
| c | 00Z921330 |
| d | 00Z164061 |
| e | 00Z163061 |
| f | 00Z193061 |
| g | 00Z193251 |

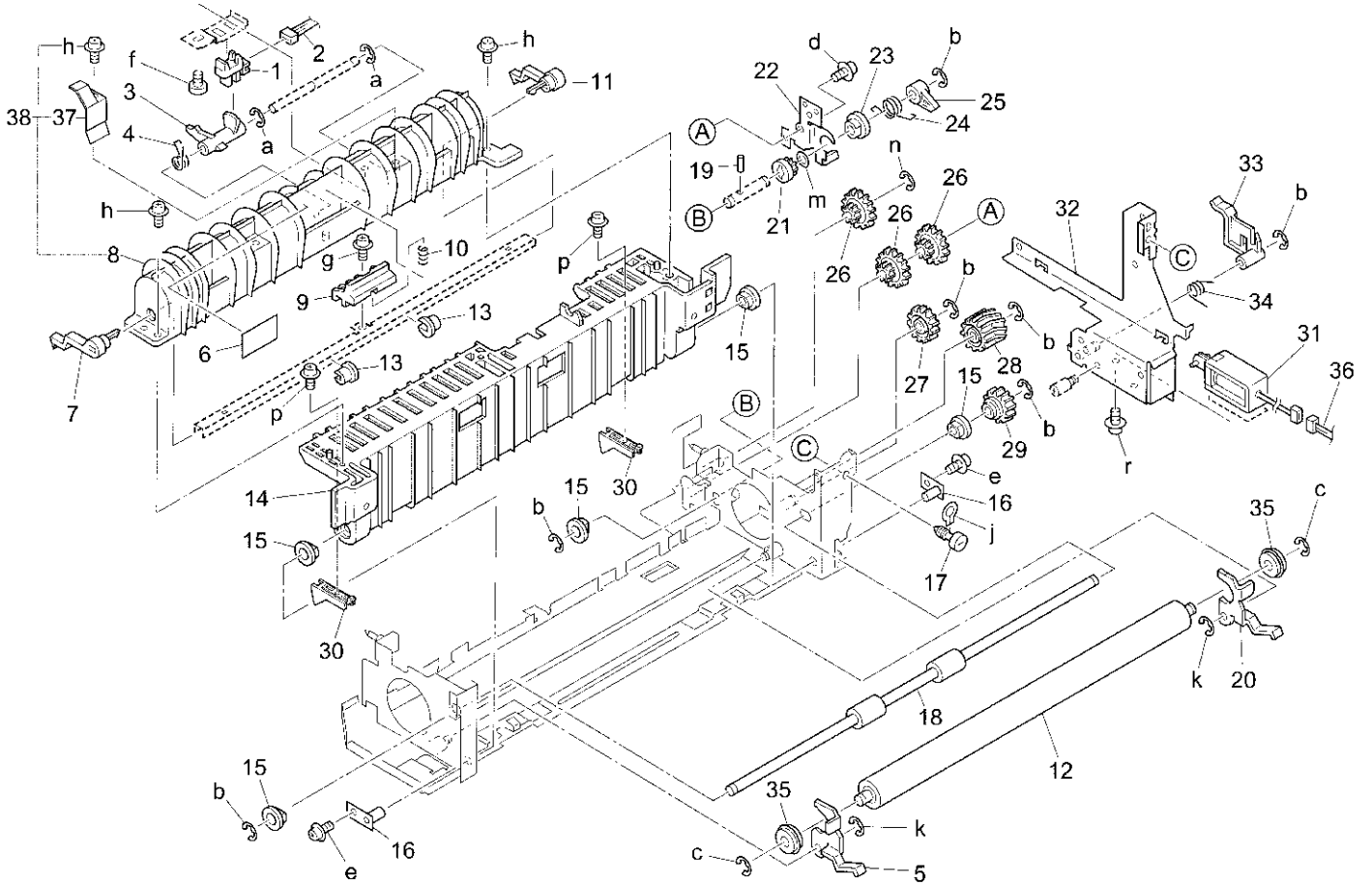
Fixing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26TA53560 | Heat insulating sheet/E |
| 2 | 26TA53270 | Cleaner cover |
| 3 | 26NA54160 | Separate spring |
| 4 | 26NA54270 | Fixing claw |
| 5 | 26TA-5400 | Cleaner assembly |
| 6 | 26NA53510 | Fixing cleaner shaft holder/B |
| 7 | 26NA-5430 | Cleaner driving shaft assembly |
| 8 | 26NA-5410 | Regulating plate/front assembly |
| 9 | 26NA-5420 | Regulating plate/rear assembly |
| 10 | 26NA53650 | Fixing entrance plate |
| 11 | 26NA53610 | Cleaner pressure spring |
| 12 | 26NA53490 | Fixing cleaner shaft holder/A |
| 13 | 26NA53830 | Fixing cleaner roller |
| 14 | 26TA-5480 | Fixing entrance plate/2 assembly |
| 15 | 26NA54300 | Fixing cleaner shaft holder/A |
| 16 | 113620600 | Pin (A) |
| 17 | 26TA53470 | Cleaner gear/B (Z=48) |
| 18 | 26NA53430 | Web |
| 19 | 26TA53680 | Pressure part/A |
| 20 | 26TA53250 | Fixing heat insulate sheet/B |
| 21 | 26NA53360 | Fixing heat insulate sheet/C |
| 22 | 26NA54190 | Fixing guide screw |
| 23 | 26NA54181 | Neutralizing brush |
| 24 | 26TA54010 | Pressure part/B |
| 25 | 26NA53790 | Heat insulating part |
| 26 | 26NA54320 | Collar |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193041 |
| d | 00Z193061 |
| f | 00Z921930 |

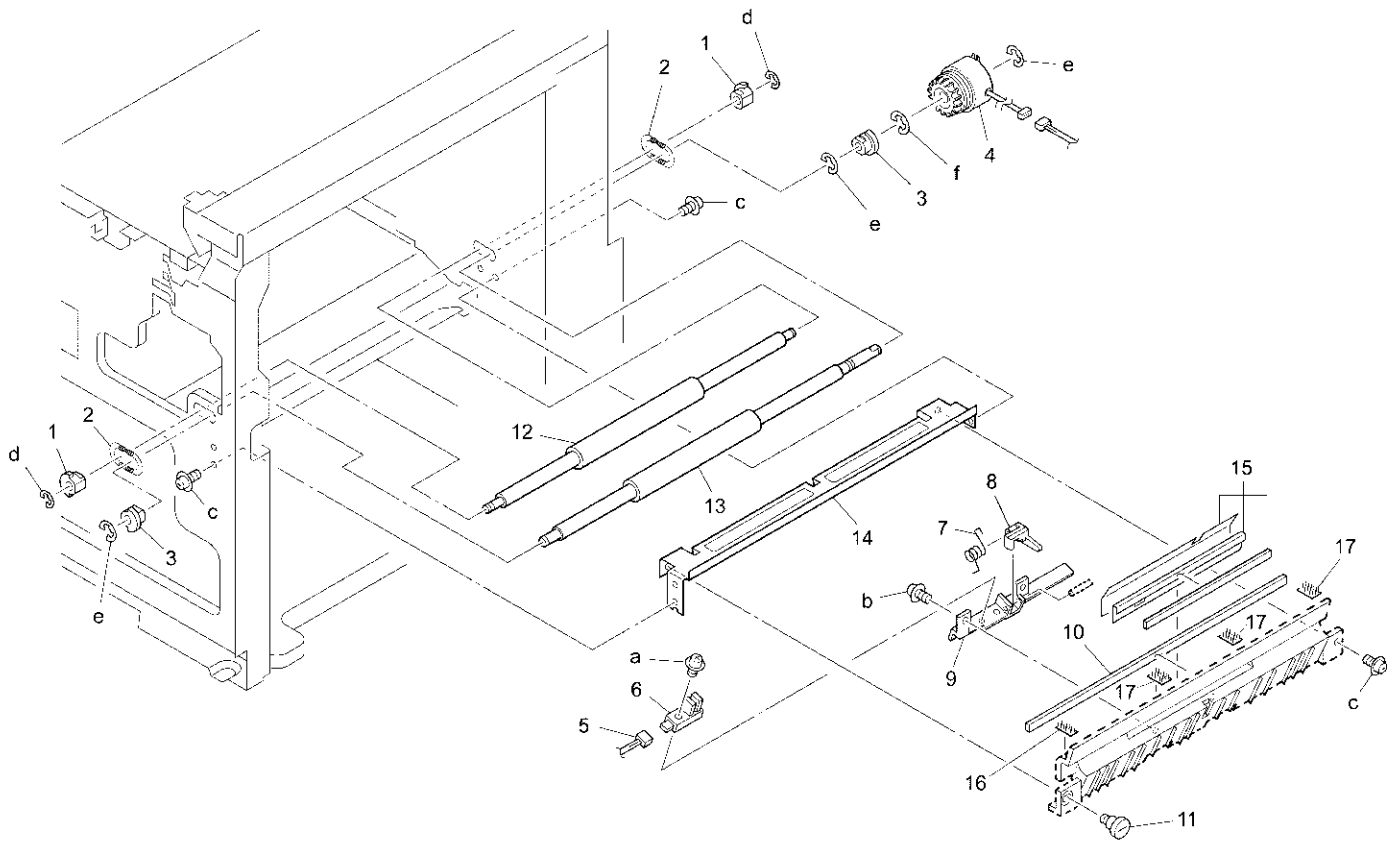
Fixing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 55VA85520 | Photosensor |
| 2 | 26TA90490 | Fixing relay wiring/2 |
| 3 | 26TA53171 | Fixing paper exit actuator |
| 4 | 26NA53700 | Pressure spring |
| 5 | 26TA53070 | Pressure arm/front |
| 6 | 26NE97470 | Lever indication label/5 |
| 7 | 26NA54070 | Lock part/front |
| 8 | 26NA53882 | Fixing guide part/2 |
| 9 | 26NA54110 | Open-close lever |
| 10 | 26NA54120 | Open-close spring |
| 11 | 26NA54080 | Lock part/rear |
| 12 | 26TA53040 | Fixing roller/lower |
| 13 | 26NA54100 | Lever shaft holder |
| 14 | 26NA53020 | Fixing guide part |
| 15 | 192141710 | Paper push up lever shaft holder |
| 16 | 26NA-5440 | Rotary shaft/A assembly |
| 17 | 26NA53931 | Fixed screw |
| 18 | 26TA53130 | Conveyance roller |
| 19 | 466078010 | Pin (A) |
| 20 | 26TA53080 | Pressure arm/rear |
| 21 | 26NA53460 | Cleaner gear/A |
| 22 | 26TA-5470 | Auxiliary part assembly |
| 23 | 26NA53840 | Fixing cleaner shaft holder/C |
| 24 | 26NA53290 | Lever spring |
| 25 | 26TA54040 | Fixing cleaner lever |
| 26 | 26TA54290 | Fixing driving gear/D (Z=16/38) |
| 27 | 26NA53940 | Fixing idler gear/B (Z=21) |
| 28 | 26TA53440 | Fixing idler gear/A (Z=23/23) |
| 29 | 26TA53450 | Conveyance drive gear (Z=20) |
| 30 | 26NA54310 | Paper guide part |
| 31 | 26NA-4890 | ADU Solenoid shaft assembly |
| 32 | 26TA-5510 | Fixing mount rail assembly |
| 33 | 26NA53660 | Solenoid actuator |
| 34 | 26NA53670 | Solenoid spring |
| 35 | 26NA53590 | Fixing shaft holder/lower |
| 36 | 26NA90410 | Web relay wiring |
| 37 | 26NA-5281 | Conveyance guide sheet /2 assembly |
| 38 | SE95-3660 | Fixing guide part assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z163061 |
| e | 00Z193041 |
| f | 00Z253121 |
| g | 00Z193061 |
| h | 00Z253101 |
| j | 00Z600406 |
| k | 00Z670306 |
| m | 00Z610601 |
| n | 00Z670506 |
| p | 00Z253081 |
| r | 00Z163081 |

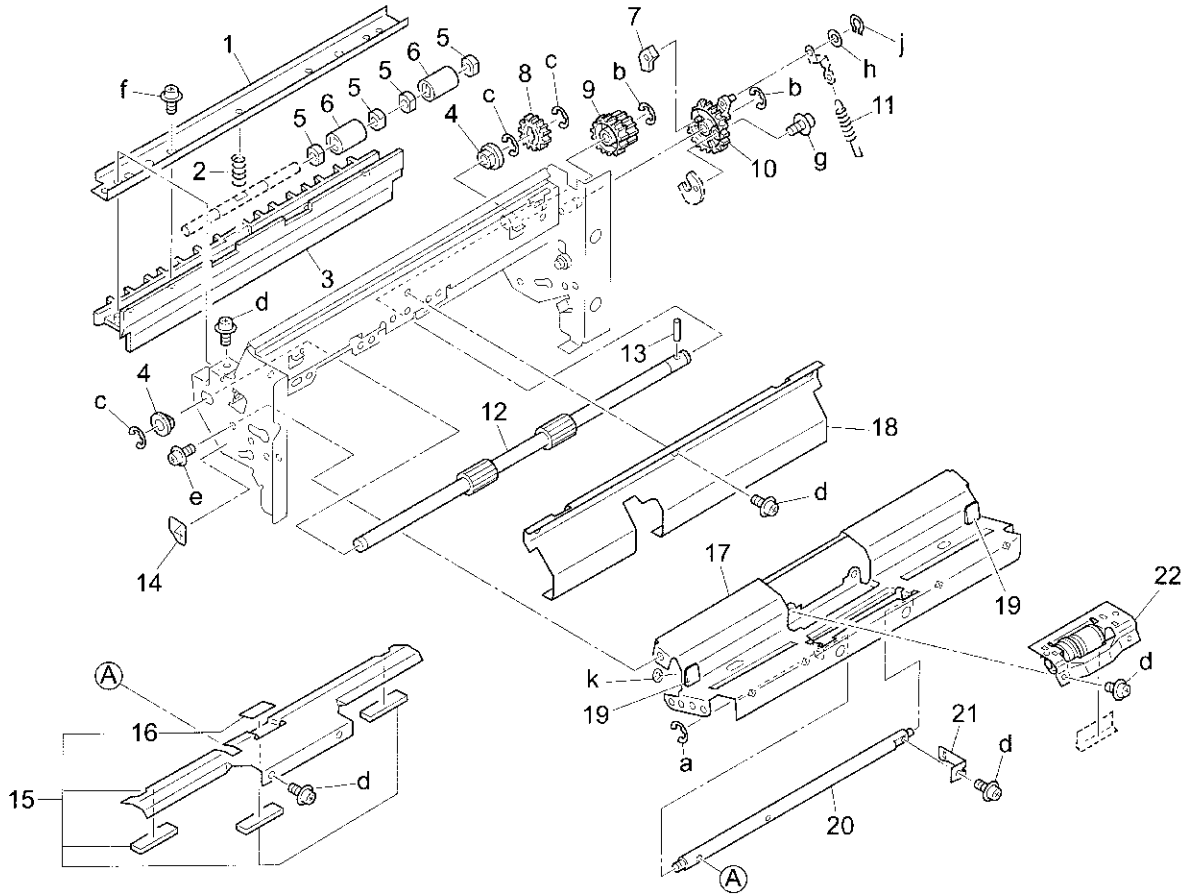
Resist unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26NA45371 | Resist shaft holder/2 |
| 2 | 26NA45140 | Resist spring |
| 3 | 26NA45360 | Resist shaft holder/1 |
| 4 | 26NA82010 | Resist clutch |
| 5 | 26NA90440 | Resist relay wiring |
| 6 | 552085510 | Photosensor |
| 7 | 26NA45170 | Pressure spring |
| 8 | 26NA45160 | Resist actuator |
| 9 | 26NA45150 | Support part |
| 10 | 26NA45450 | Dust proof seal |
| 11 | 26NA45440 | Resist fixed screw |
| 12 | 26NA45130 | Resist roller/B |
| 13 | 26NA45120 | Resist roller/A |
| 14 | 26NA-4520 | Conveyance support plate assembly |
| 15 | 26NA-4540 | Resist cleaner assembly |
| 16 | 26TA31170 | Suction seal/4 |
| 17 | 26TA31180 | Suction seal/5 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253141 |
| b | 00Z253081 |
| c | 00Z193061 |
| d | 00Z670406 |
| e | 00Z670506 |
| f | 00Z670606 |

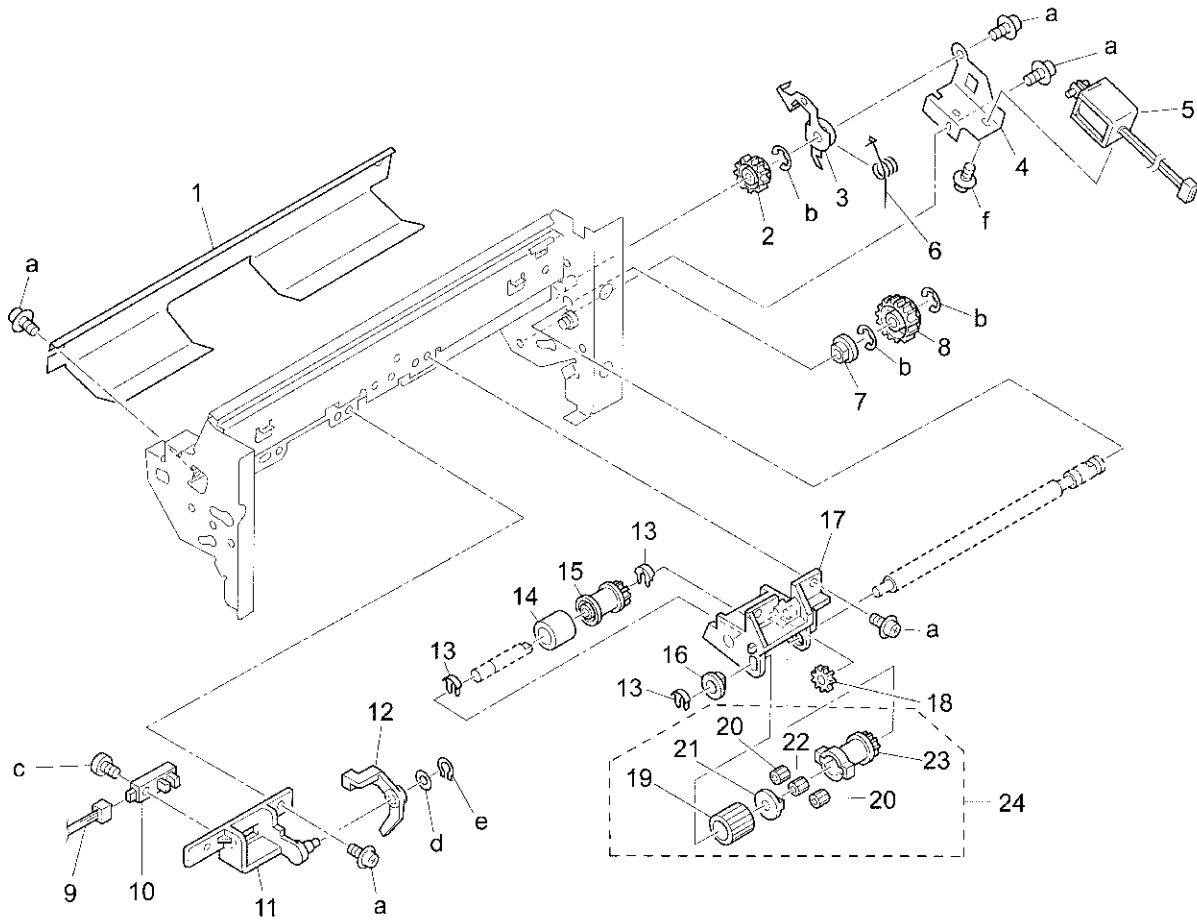
Manual feed unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA42420 | Manual feed auxiliary plate |
| 2 | 26NA42241 | Manual feed conveyance spring |
| 3 | 26NA42010 | Manual feed guide part |
| 4 | 090075530 | Bearing |
| 5 | 25AA75530 | Slide shaft holder |
| 6 | 26NA40240 | Paper feed driven roller |
| 7 | 40AA42310 | Manual feed pressure rubber |
| 8 | 26NA42061 | Manual feed conveyance gear (Z=21) |
| 9 | 26NA42050 | Manual feed idler gear/upper (28/30) |
| 10 | 26NA42070 | Cam pressure gear (Z=25) |
| 11 | 26NA42220 | Manual feed pressure spring |
| 12 | 26NA42021 | Manual feed conveyance roller |
| 13 | 304078040 | Pin (B) |
| 14 | 26NA97460 | Lever indication label/4 |
| 15 | 26NA-4221 | Manual feed lift-up plate assembly |
| 16 | 540042350 | Double feed preventive plate |
| 17 | 26NA42251 | Manual feed guide plate |
| 18 | 26NA-4311 | Manual feed cover assembly |
| 19 | 26NA42570 | Manual feed guide spacer |
| 20 | 26NA42200 | Manual feed lift-up shaft |
| 21 | 26NA42410 | Manual feed lift-up lever |
| 22 | 26NA-4241 | Manual feed paper guide assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z193061 |
| e | 00Z183063 |
| f | 00Z253081 |
| g | 00Z183041 |
| h | 00Z610301 |
| j | 00Z680306 |
| k | 00Z660306 |

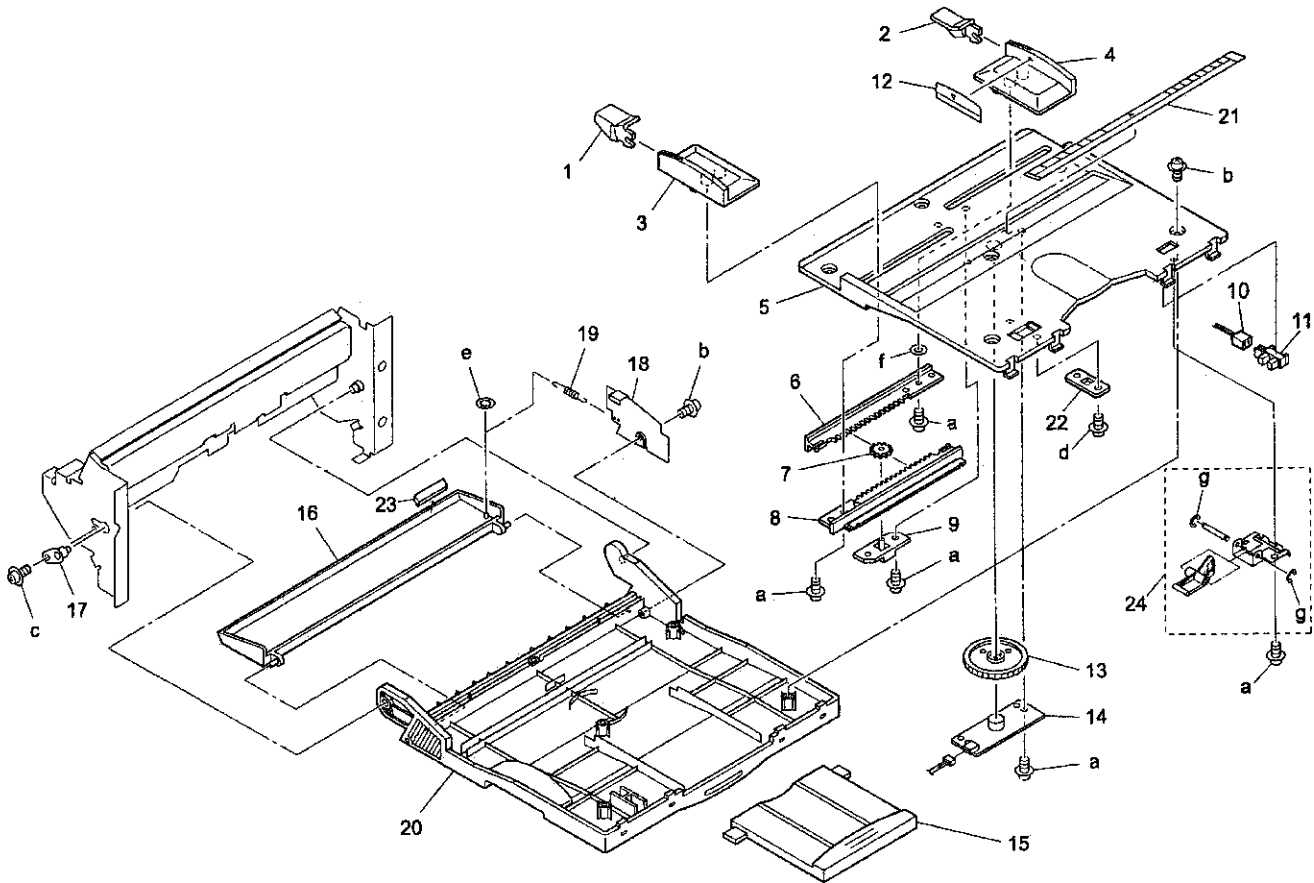
Manual feed unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA42480 | Bypass feed guide plate/upper |
| 2 | 26NA42040 | Manual feed idler gear/lower (Z==22) |
| 3 | 26NA42030 | Manual feed driving cam |
| 4 | 26NA42270 | Solenoid mount plate |
| 5 | 26NA-5090 | Manual feed solenoid assembly |
| 6 | 26NA42210 | Cam spring |
| 7 | 466076020 | Paper feeding shaft holder |
| 8 | 40AA42270 | Manual feed clutch |
| 9 | 26NA90140 | Manual feed wiring |
| 10 | 552085510 | Photosensor |
| 11 | 26NA42350 | Support part |
| 12 | 26NA42280 | Manual feed detecting part |
| 13 | 40AA40150 | Shaft positioning part |
| 14 | 540040562 | Paper supply rubber |
| 15 | 40AA42100 | Manual feed conveyance roller |
| 16 | 540076010 | Paper feed shaft holder |
| 17 | 26NA42081 | Manual feed part |
| 18 | 26NA42580 | Gear (D) (Z=16) |
| 19 | 25BA40320 | Paper feeding rubber |
| 20 | 26NA42630 | Clutch lock gear (Z=10) |
| 21 | 26NA42590 | Cover |
| 22 | 26NA42610 | Clutch standard gear |
| 23 | 26NA42600 | Manual feed roller |
| 24 | 26NA-4280 | Manual feed pick up assembly/2 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z670406 |
| c | 00Z253141 |
| d | 00Z610401 |
| e | 00Z660406 |
| f | 00Z193041 |

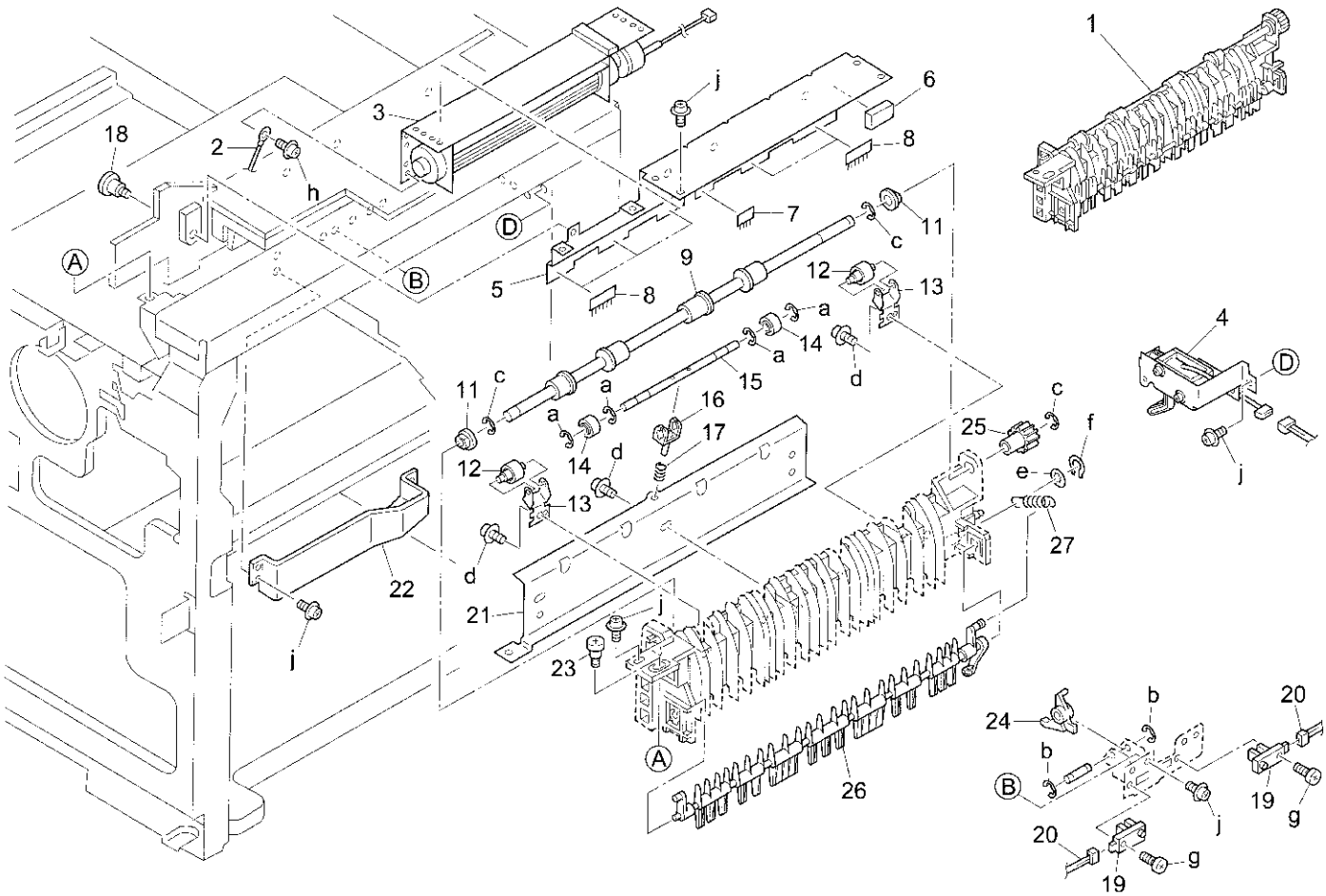
Manual feed unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA42330 | Paper guide plate/front |
| 2 | 26NA42340 | Paper guide plate/rear |
| 3 | 26NA42391 | Paper regulating part/front |
| 4 | 26NA42401 | Paper regulating part/rear |
| 5 | 26NA42171 | Manual feed tray/upper |
| 6 | 396040611 | Rack |
| 7 | 466077130 | Pinion |
| 8 | 26NA42440 | Rack/A |
| 9 | 540042120 | Slide holder/1 |
| 10 | 26NA90451 | Bypass feed detecting wiring |
| 11 | 08AA85510 | Photosensor/2 |
| 12 | 26NA97350 | Manual feed label/2 |
| 13 | 26NA42450 | Pinion/A (Z=124) |
| 14 | 13QA-9010 | Size detecting board assembly |
| 15 | 26NA42320 | Manual feed auxiliary tray |
| 16 | 26NA42300 | Manual feed cover |
| 17 | 26NA-4291 | Manual feed fulcrum plate assembly |
| 18 | 26NA42490 | Wiring plate |
| 19 | 26NA42380 | Manual feed open-close spring/rear |
| 20 | 26NA42181 | Manual feed tray/lower |
| 21 | 26NA97270 | Manual feed label/1 |
| 22 | 26NA42550 | Magnet pressure plate |
| 23 | 26NA42620 | Manual feed sticking part/3 |
| 24 | 26NA-4330 | Paper detecting actuator assembly |

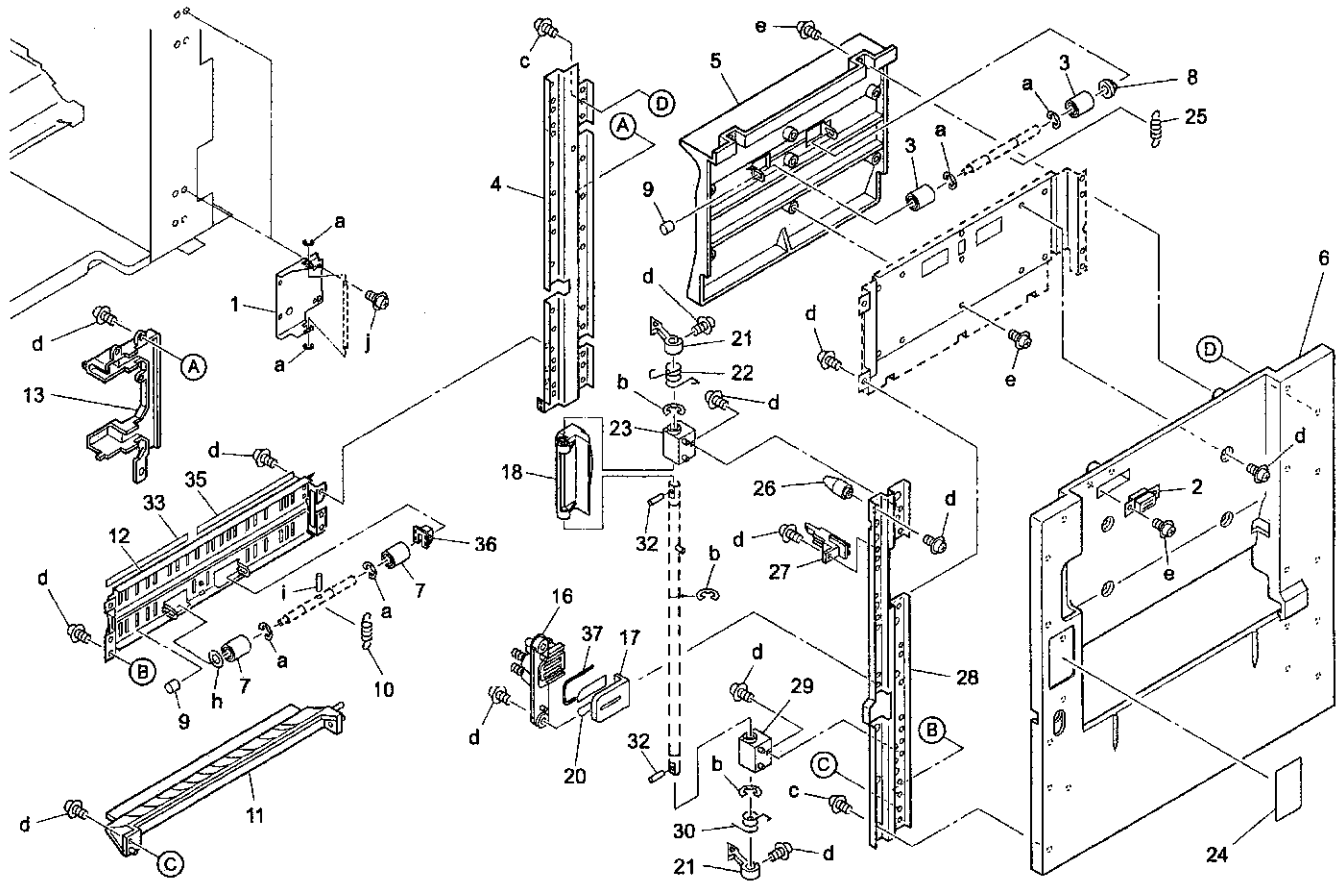
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z253082 |
| c | 00Z193061 |
| d | 00Z253181 |
| e | 00Z660306 |
| f | 00Z610301 |
| g | 00Z670206 |

Paper exit unit



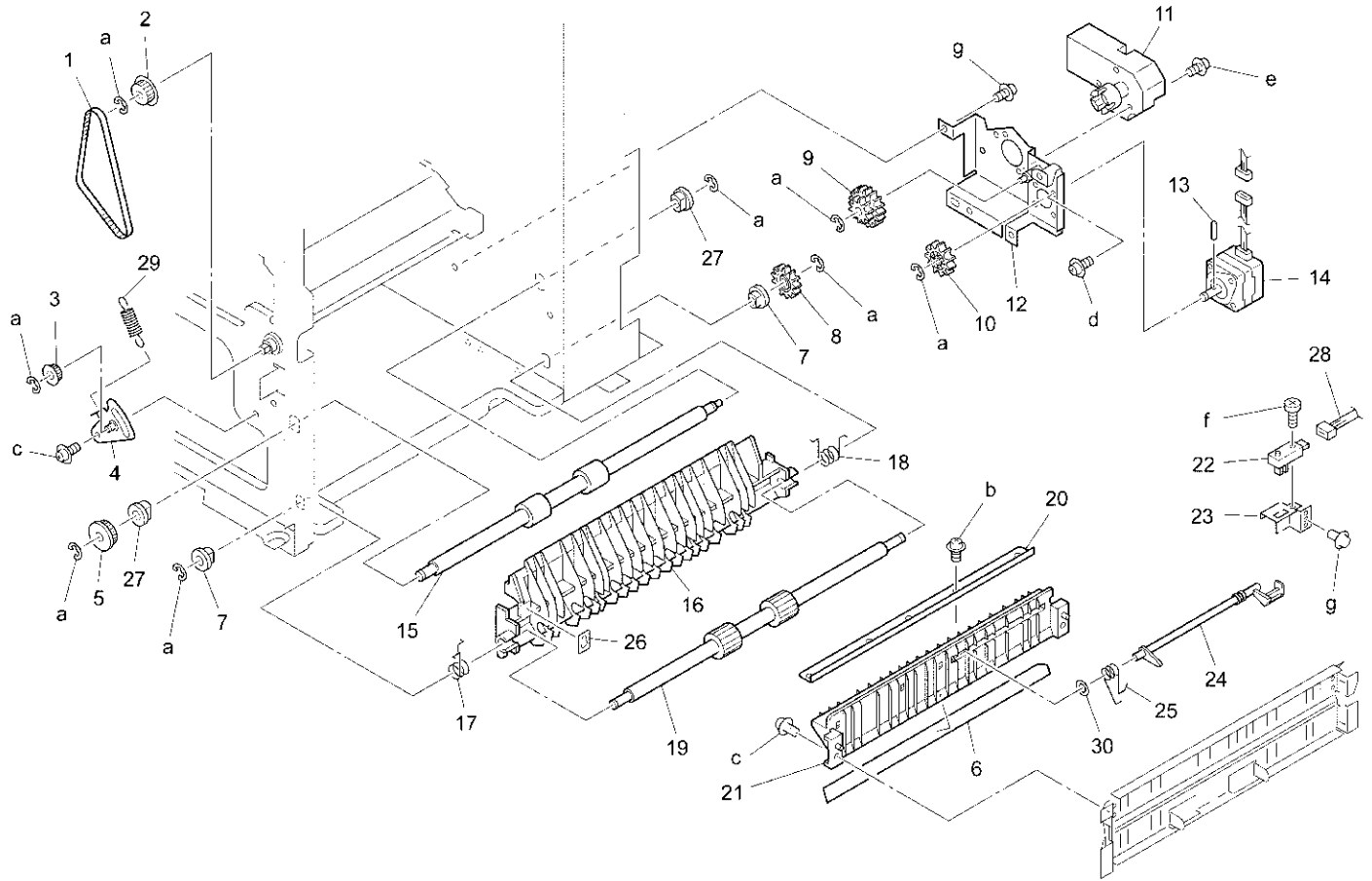
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA-4801 | Paper exit unit |
| 2 | 26NA90470 | Paper exit ground wiring |
| 3 | 26TA-7390 | Fan motor assembly |
| 4 | 26NA-4870 | ADU change solenoid assembly |
| 5 | 26NA48190 | Neutralizing plate |
| 6 | 26NA12490 | Cushion/C |
| 7 | 26NA48220 | Neutralizing brush/B |
| 8 | 26NA48210 | Neutralizing brush/A |
| 9 | 26NA48020 | Paper exit roller |
| 10 | * | Not used |
| 11 | 508053460 | Paper exit slide shaft holder |
| 12 | 26NA48120 | Paper exit driven roller |
| 13 | 26NA48130 | Paper exit driven spring |
| 14 | 26NA48070 | Paper exit driven roller |
| 15 | 26NA48081 | Paper exit driven shaft |
| 16 | 26NA48140 | Paper exit driven part |
| 17 | 26NA48100 | Paper exit spring |
| 18 | 26NA12430 | External fixed screw |
| 19 | 552085510 | Photosensor |
| 20 | 26NA90170 | Paper exit detecting wiring |
| 21 | 26NA48010 | Paper exit stay |
| 22 | 26NA48260 | Cover |
| 23 | 26NA45440 | Resist fixed screw |
| 24 | 26NA48240 | Paper exit actuator/2 |
| 25 | 26NA15740 | Paper exit gear (Z=26) |
| 26 | 26NA48250 | Paper exit guide part |
| 27 | 26NA48110 | Tension spring |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z670306 |
| c | 00Z670406 |
| d | 00Z253081 |
| e | 00Z610301 |
| f | 00Z660306 |
| g | 00Z193101 |
| h | 00Z183061 |
| j | 00Z193061 |



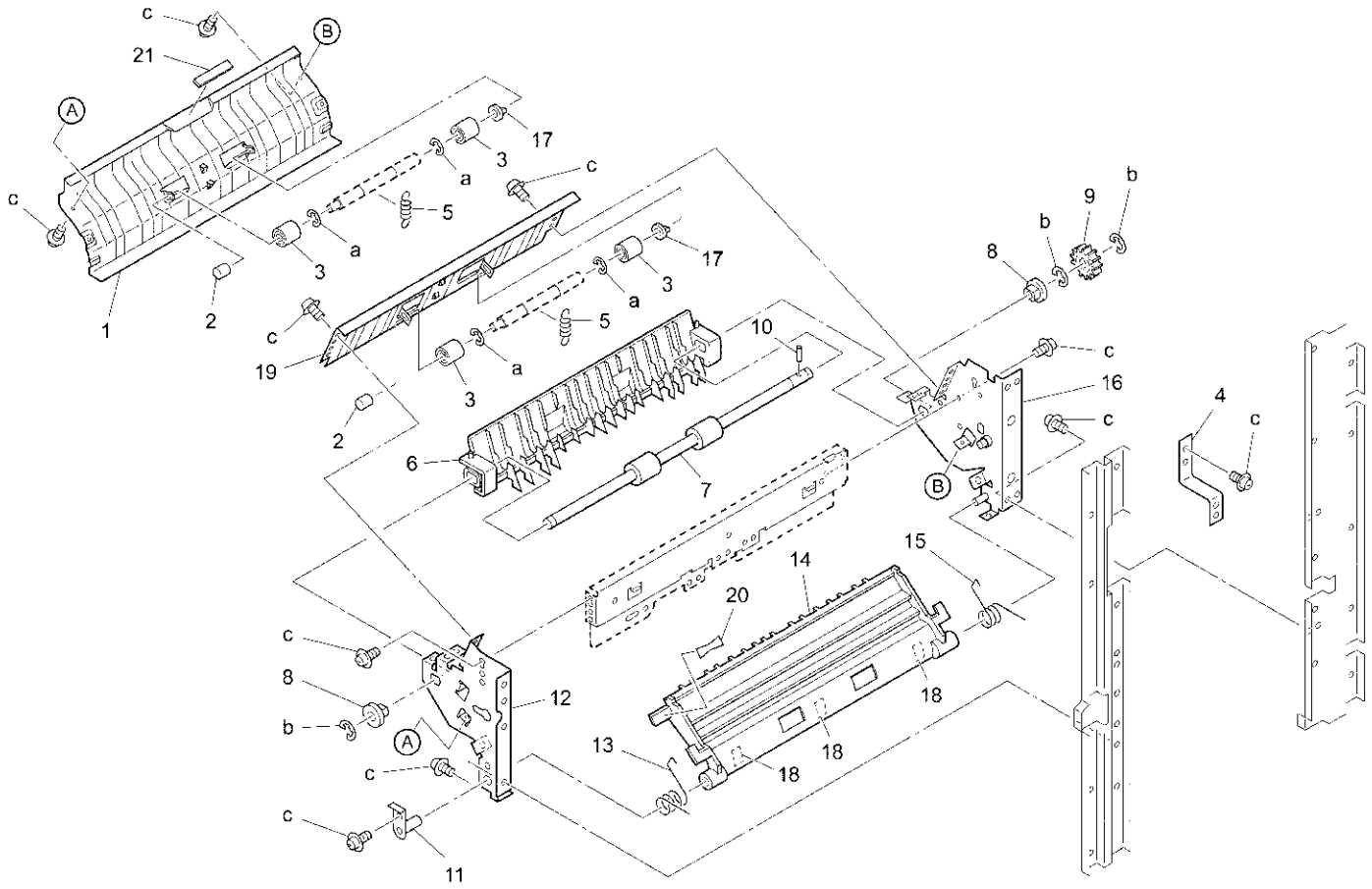
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA50210 | Hinge plate/B |
| 2 | 059010620 | Magnet catch |
| 3 | 26NA51070 | Pressure roller/upper |
| 4 | 26TA-5080 | ADU reinforcing stay/rear assembly |
| 5 | 26NA50792 | ADU guide plate/upper |
| 6 | 26NA50010 | ADU cover |
| 7 | 26NA50290 | Pressure roller |
| 8 | 26NA51060 | Driven shaft holder |
| 9 | 552012250 | Roller/B |
| 10 | 26NA50900 | Reversing spring |
| 11 | 26NA50230 | Conveyance guide part/lower |
| 12 | 26NA50811 | Conveyance guide plate/lower |
| 13 | 26NA50660 | Wiring cover |
| 14 | * | Not used |
| 15 | * | Not used |
| 16 | 26NA-5024 | High voltage casing/B assembly |
| 17 | 26NA50522 | High voltage casing/A |
| 18 | 26NA51110 | Open-close knob |
| 19 | * | Not used |
| 20 | 26NA50971 | Insulating sheet |
| 21 | 26NA50963 | ADU lock claw |
| 22 | 26NA50330 | Conveyance lock spring |
| 23 | 26NA50630 | Shaft holder part/upper |
| 24 | 26NA97410 | ADU open close label |
| 25 | 26NA50890 | Conveyance pressure spring |
| 26 | 26NA50721 | ADU positioning pin/front |
| 27 | 26NA50870 | ADU open-close actuator |
| 28 | 26NA50840 | ADU reinforce stay/front |
| 29 | 26NA50640 | Shaft holder part/lower |
| 30 | 26NA50760 | Conveyance lock spring/lower |
| 31 | * | Not used |
| 32 | 466078010 | Pin (A) |
| 33 | 26NA50991 | Conveyance sheet |
| 34 | * | Not used |
| 35 | 26NA51020 | Conveyance sheet/front |
| 36 | 26NA51090 | Drive shaft holder/lower |
| 37 | 26NA51720 | Insulating sheet/2 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z254081 |
| d | 00Z193061 |
| e | 00Z253081 |
| f | 00Z163101 |
| g | 00Z283061 |
| h | 00Z610401 |
| i | 00Z711146 |
| j | 00Z283061 |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA50450 | Driving belt (L=300) |
| 2 | 26NA50430 | Conveyance pulley/B (Z=28) |
| 3 | 26NA50370 | Idler pulley (Z=18) |
| 4 | 26NA-5140 | Tension plate assembly |
| 5 | 26NA50420 | Conveyance pulley/A (Z=28) |
| 6 | 26NA50340 | Reversal sheet |
| 7 | 508053460 | Paper exit slide shaft holder |
| 8 | 26TA50150 | Reversal gear (Z=26) |
| 9 | 26TA50170 | ADU idler gear (Z=26/31) |
| 10 | 26TA50160 | Motor gear (Z=31) |
| 11 | 26NA80041 | Cassette driving motor |
| 12 | 26NA-5110 | Motor mount plate assembly |
| 13 | 113620600 | Pin (A) |
| 14 | 26NA80090 | ADU driving motor |
| 15 | 26NA50240 | ADU guide roller |
| 16 | 26NA50031 | Guide part/lower |
| 17 | 26NA50710 | Lift-up spring/front |
| 18 | 26NA50400 | Lift-up spring |
| 19 | 26NA50110 | Reversal roller |
| 20 | 26NA50680 | Conveyance reinforcing plate |
| 21 | 26NA50021 | Guide part/middle |
| 22 | 552085510 | Photosensor |
| 23 | 26NA50190 | Mount plate |
| 24 | 26NA50071 | Reversal actuator |
| 25 | 26NA50360 | Conveyance guide spring |
| 26 | 26NA97450 | Lever indication label/3 |
| 27 | 466076020 | Paper feeding shaft holder |
| 28 | 26NA90330 | Wiring/3 |
| 29 | 26NA51030 | Tension spring |
| 30 | 26NA50920 | Reversal spacer |

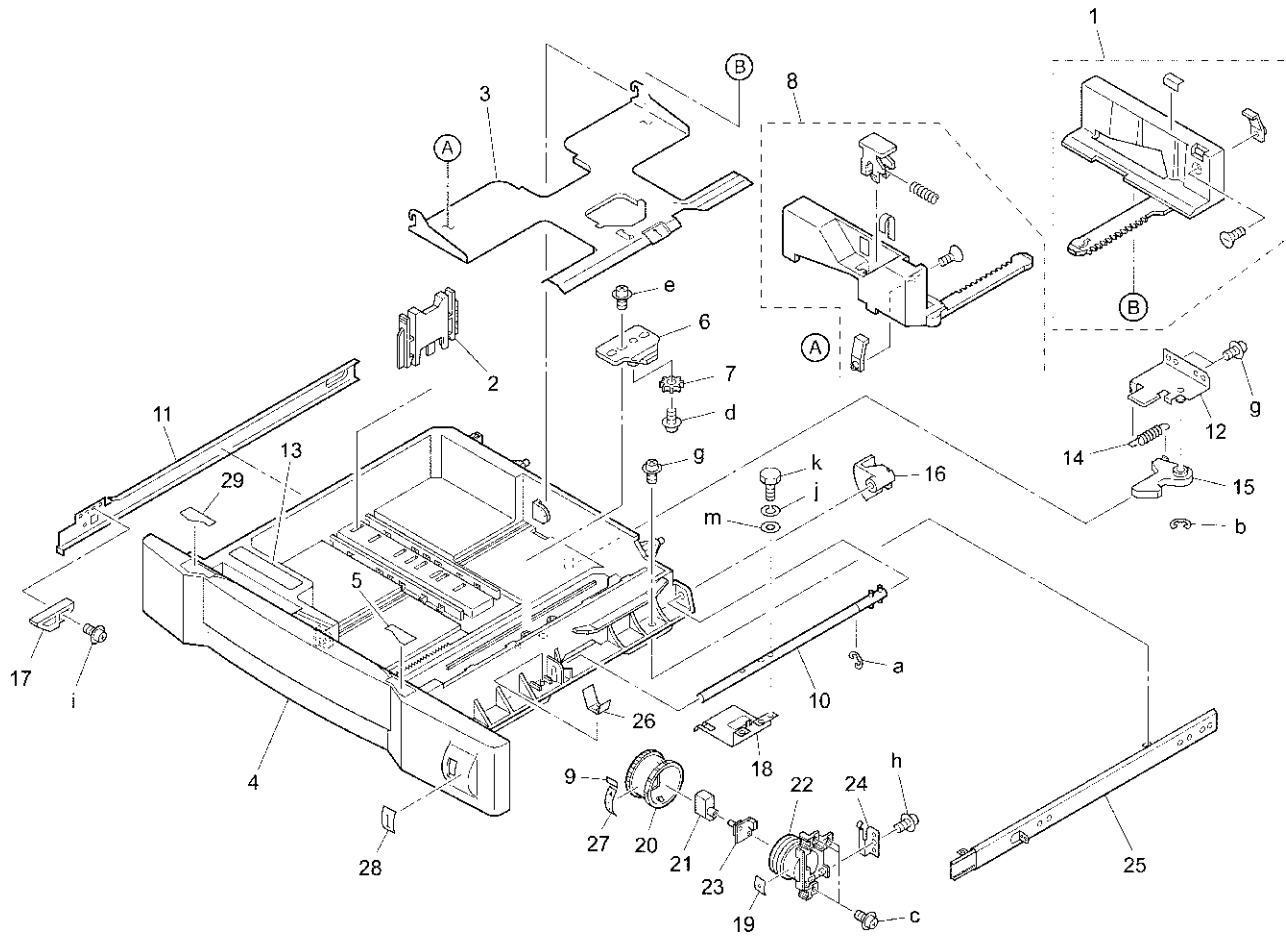
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z253081 |
| c | 00Z193061 |
| d | 00Z163061 |
| e | 00Z193201 |
| f | 00Z193101 |
| g | 00Z283061 |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA50800 | Conveyance guide plate/middle |
| 2 | 552012250 | Roller/B |
| 3 | 26NA50290 | Pressure roller |
| 4 | 26NA50780 | ADU open-close belt |
| 5 | 26NA50890 | Conveyance pressure spring |
| 6 | 26NA50671 | Paper guide part/upper |
| 7 | 26NA42021 | Manual feed conveyance roller |
| 8 | 26NA40820 | Bearing |
| 9 | 26NA42061 | Manual feed conveyance gear (Z=21) |
| 10 | 304078040 | Pin (B) |
| 11 | 26NA-5160 | Fulcrum plate assembly |
| 12 | 26NA50570 | ADU conveyance panel/front |
| 13 | 26NA50540 | Open-close spring/front |
| 14 | 26NA50061 | Paper guide part/lower |
| 15 | 26NA50550 | Open-close spring/rear |
| 16 | 26NA-5151 | ADU conveyance panel assembly |
| 17 | 26NA51060 | Driven shaft holder |
| 18 | 26NA50910 | Slide sheet |
| 19 | 26NA50880 | Conveyance guide plate/upper |
| 20 | 26NA97370 | Open-close label/upper |
| 21 | 26NA42540 | Manual feed sticking part/2 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670606 |
| c | 00Z193061 |

Upper cassette



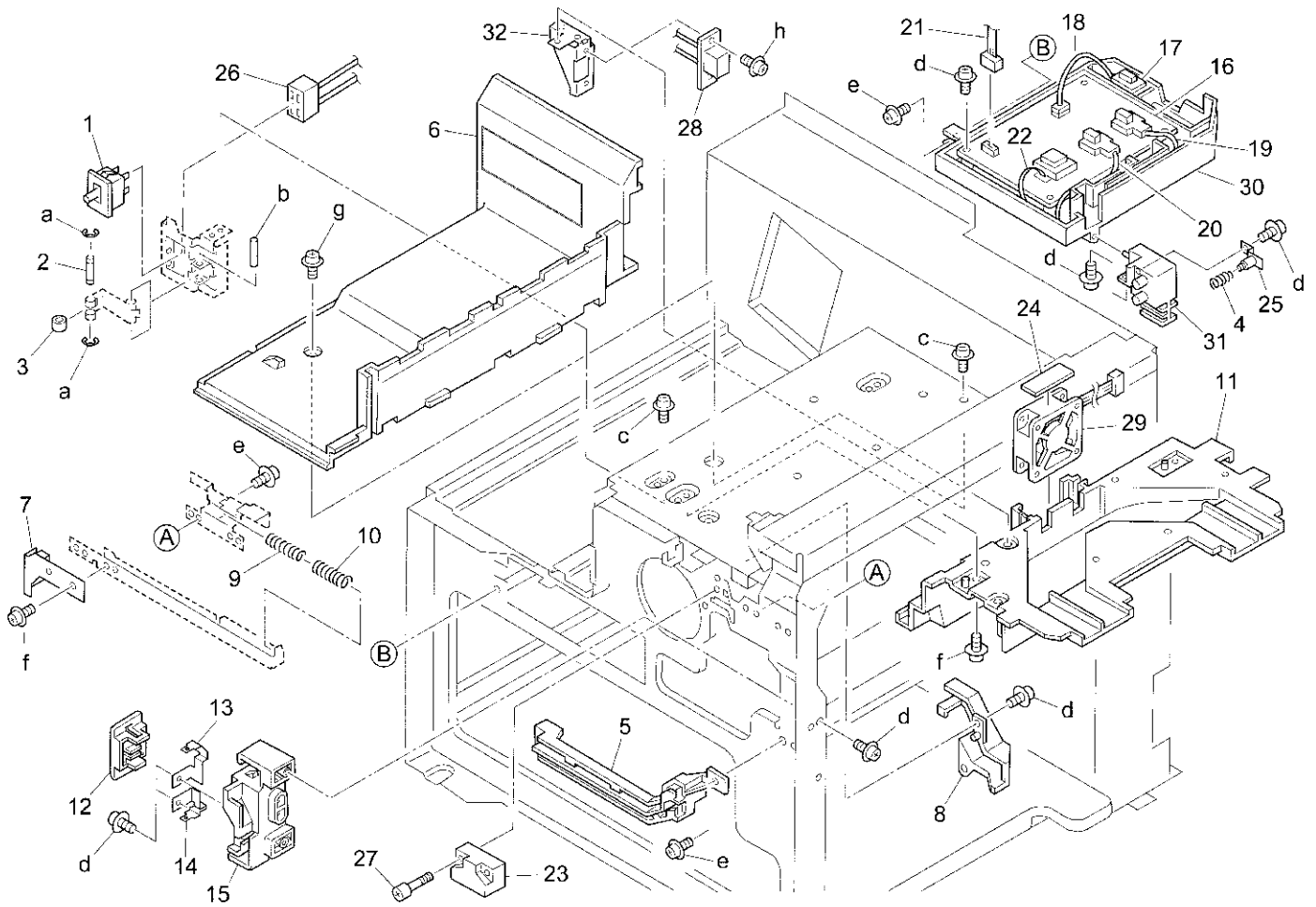
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA-4730 | Side regulating/rear assembly |
| 2 | 26NA47040 | Paper regulating plate/left |
| 3 | 26NA-4740 | Lift-up bottom plate assembly |
| 4 | 26NA47013 | Cassette base/upper |
| 5 | 26NA47320 | Cassette cover plate/2 |
| 6 | 40AA47130 | Adjusting plate |
| 7 | 40AA77290 | Pinion (Z=16) |
| 8 | 26NA-4721 | Side regulating/front assembly |
| 9 | 26NA47381 | Fixing seal |
| 10 | 26NA-4760 | Lift-up shaft assembly |
| 11 | 26NA10070 | Cassette rail/left |
| 12 | 26NA-4780 | Cassette lock assembly |
| 13 | 26NA97310 | Paper supply label |
| 14 | 26NA47390 | Cassette fixed spring |
| 15 | 25BA47461 | Cassette positioning catch/U |
| 16 | 26NA47291 | Cassette remained detecting actuator |
| 17 | 26NA47350 | Cassette stopper |
| 18 | 26NA47060 | Paper lift-up plate |
| 19 | 26NA97300 | Cassette click label |
| 20 | 26NA47260 | Paper feed indication plate/fr |
| 21 | 26NA47240 | Cassette detecting connector |
| 22 | 26NA47250 | Cassette detecting base |
| 23 | 26NA-9200 | Size detecting board assembly |
| 24 | 26NA47280 | Spring lock plate |
| 25 | 26NA10061 | Cassette rail/right |
| 26 | 26NA47300 | Ground plate |
| 27 | 26NE97280 | Cassette indication label/upper |
| 28 | 26NA97390 | Cassette indication label/1 |
| 29 | 26NA47310 | Cassette cover plate/1 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z193061 |
| d | 00Z254081 |
| e | 00Z254121 |
| g | 00Z283061 |
| h | 00Z253081 |
| i | 00Z183061 |
| j | 00Z620301 |
| k | 00Z463103 |
| m | 00Z610301 |

| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA-4730 | Side regulating/rear assembly |
| 2 | 26NA47040 | Paper regulating plate/left |
| 3 | 26NA-4740 | Lift-up bottom plate assembly |
| 4 | 26NA47023 | Cassette base/lower |
| 5 | 26NA97310 | Paper supply label |
| 6 | 40AA47130 | Adjusting plate |
| 7 | 40AA77290 | Pinion (Z=16) |
| 8 | 26NA-4780 | Cassette lock assembly |
| 9 | 26NA10070 | Cassette rail/left |
| 10 | 26NA-4760 | Lift-up shaft assembly |
| 11 | 26NA47381 | Fixing seal |
| 12 | 26NA-4721 | Side regulating/front assembly |
| 13 | 26NA47340 | Cassette cover plate/4 |
| 14 | 26NA47390 | Cassette fixed spring |
| 15 | 25BA47461 | Cassette positioning catch/U |
| 16 | 26NA47291 | Cassette remained detecting actuator |
| 17 | 26NA47350 | Cassette stopper |
| 18 | 26NA47060 | Paper lift-up plate |
| 19 | 26NA97300 | Cassette click label |
| 20 | 26NA47260 | Paper feed indication plate/fr |
| 21 | 26NA47240 | Cassette detecting connector |
| 22 | 26NA47250 | Cassette detecting base |
| 23 | 26NA-9200 | Size detecting board assembly |
| 24 | 26NA47280 | Spring lock plate |
| 25 | 26NA10061 | Cassette rail/right |
| 26 | 26NA47300 | Ground plate |
| 27 | 26NE97290 | Cassette indication label/lower |
| 28 | 26NA97400 | Cassette indication label/2 |
| 29 | 26NA47330 | Cassette cover plate/3 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z193061 |
| d | 00Z254081 |
| e | 00Z254121 |
| g | 00Z283061 |
| h | 00Z253081 |
| i | 00Z183061 |
| j | 00Z620301 |
| k | 00Z463103 |
| m | 00Z610301 |

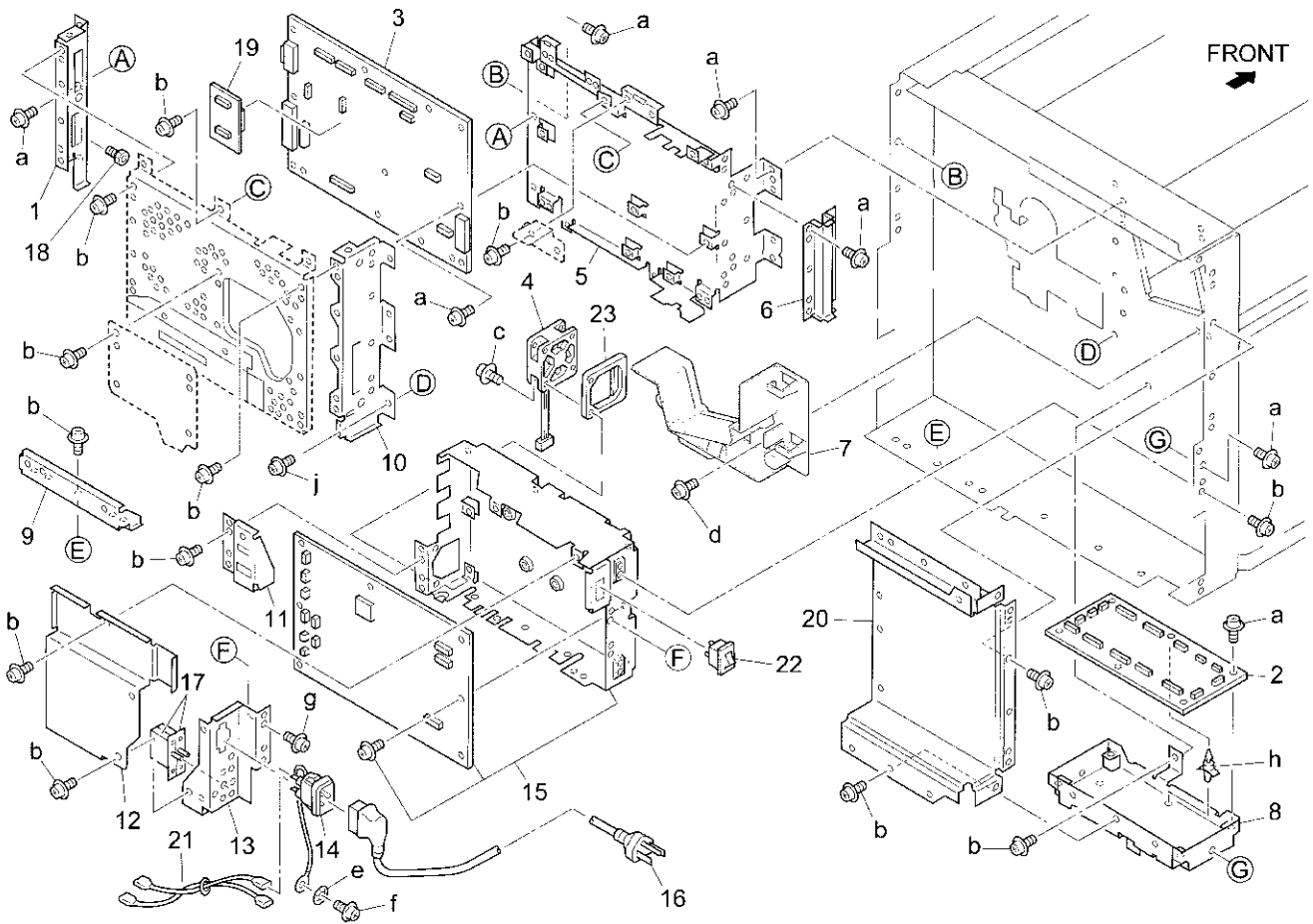
Electric parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 40AA85010 | Door switch |
| 2 | 25HA73200 | Switch guide shaft |
| 3 | 25HA73210 | Switch guide roller |
| 4 | 26NA73251 | Electrode connecting spring/A |
| 5 | 26NA73200 | Wiring support part |
| 6 | 26NA73331 | Fan cover |
| 7 | 26NA73070 | Switch pressure plate |
| 8 | 26NA73061 | Cord cover |
| 9 | 25HA73131 | Switch spring/B |
| 10 | 25HA73121 | Switch spring/A |
| 11 | 26NA73210 | Fan casing/A |
| 12 | 26NA73500 | High voltage cover plate/A |
| 13 | 26NA73131 | Connecting plate/A |
| 14 | 26NA73471 | Connecting plate/C |
| 15 | 26NA73151 | Contact support plate |
| 16 | 26NA84011 | High voltage power source |
| 17 | 26NA88030 | Sensor |
| 18 | 26NA90320 | Relay wiring/2 |
| 19 | 26NA90360 | High voltage wiring/1 |
| 20 | 26NA90370 | High voltage wiring/2 |
| 21 | 26NA90280 | High voltage relay wiring |
| 22 | 26NA90380 | High voltage wiring/3 |
| 23 | 26TA90080 | Drum relay wiring |
| 24 | 26NA73810 | Fan seal/1 |
| 25 | 26NA-7510 | High voltage connecting plate/B assembly |
| 26 | 26NA90270 | DC interlock wiring |
| 27 | 066079020 | Drawer |
| 28 | 26NA90060 | Fixing relay wiring |
| 29 | 26NA80510 | Main fan motor |
| 30 | 26NA73270 | High voltage mount plate |
| 31 | 26NA73510 | Contact support plate/B |
| 32 | 26NA73360 | Wiring mount plate/B |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z713206 |
| c | 00Z193041 |
| d | 00Z253081 |
| e | 00Z283061 |
| f | 00Z193061 |
| g | 00Z193062 |
| h | 00Z194081 |

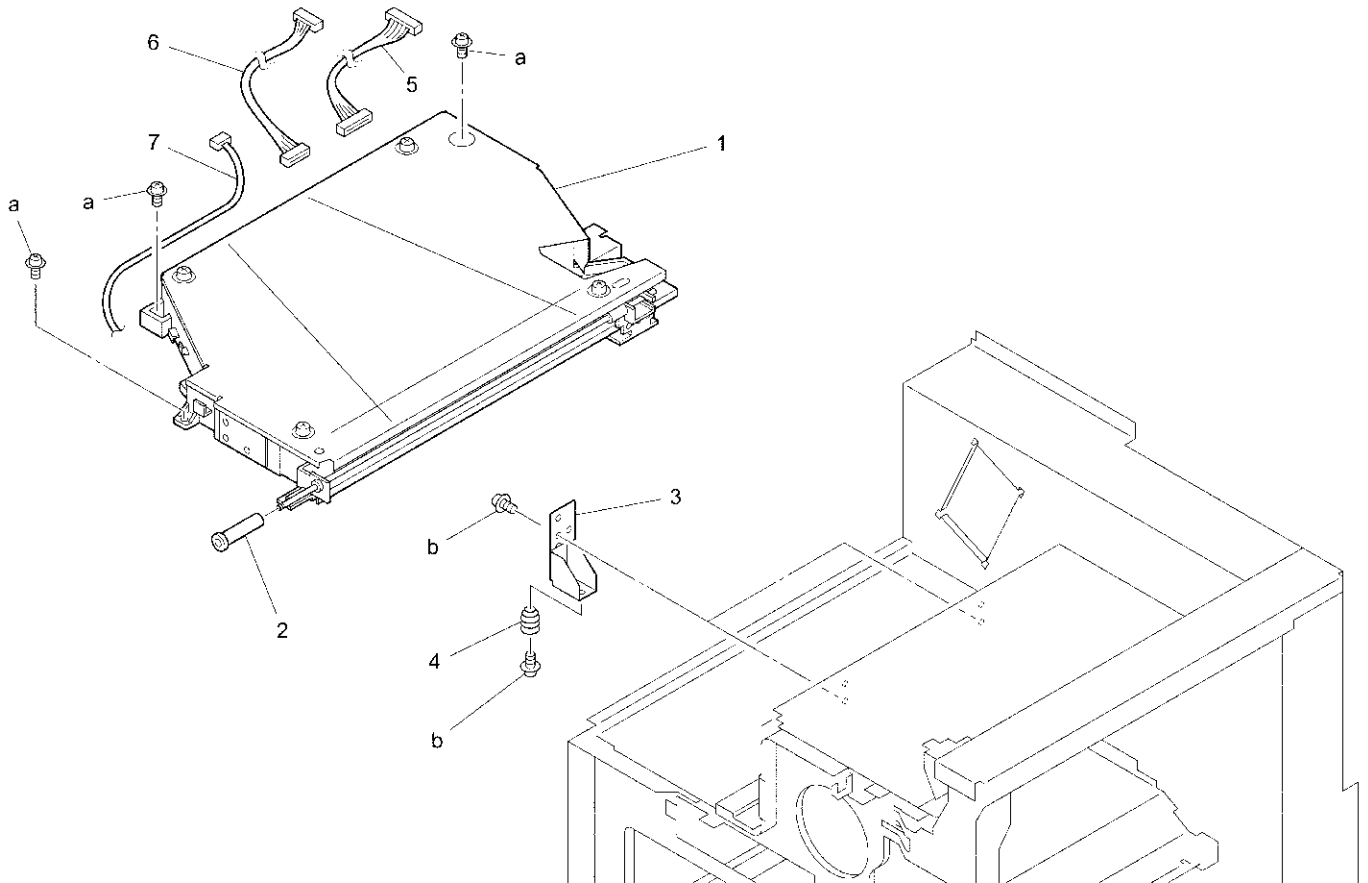
Electric parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 26NA73240 | Board cover plate/B |
| 2 | 26TA-9021 | Main driving board assembly |
| 3 | 26TA-9300 | System control board unit |
| 4 | 26NA80510 | Main fan motor |
| 5 | 26NA73010 | Board mount plate |
| 6 | 26NA73370 | Wiring cover plate |
| 7 | 26NA73021 | Protect cover |
| 8 | 26NA73380 | Board mount plate/B |
| 9 | 26NA73420 | Board mount plate/C |
| 10 | 26NA73260 | Board cover plate/C |
| 11 | 26NA73290 | Wiring mount plate/A |
| 12 | 26NA73460 | Power source cover plate |
| 13 | 26NA73410 | Cord mount plate |
| 14 | 26NA-7520 | Power socket assembly |
| 15 | 26NA84510 | DC power source/1 |
| 16 | 26NE88610 | Power source cord |
| 17 | 26NA88460 | Circuit breaker |
| 18 | 26NA73570 | Contact fixing screw/A |
| 19 | 26NA-9110 | Parameter memory board assembly |
| 20 | 26NA73280 | Board cover/D |
| 21 | 26NA90110 | AC power source wiring |
| 22 | 55GA86010 | Power source switch |
| 23 | 26NA73610 | Fan spacer |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193041 |
| b | 00Z193061 |
| c | 00Z193351 |
| d | 00Z283061 |
| e | 00Z630406 |
| f | 00Z184065 |
| g | 00Z164081 |
| h | 00Z925104 |
| j | 00Z183043 |

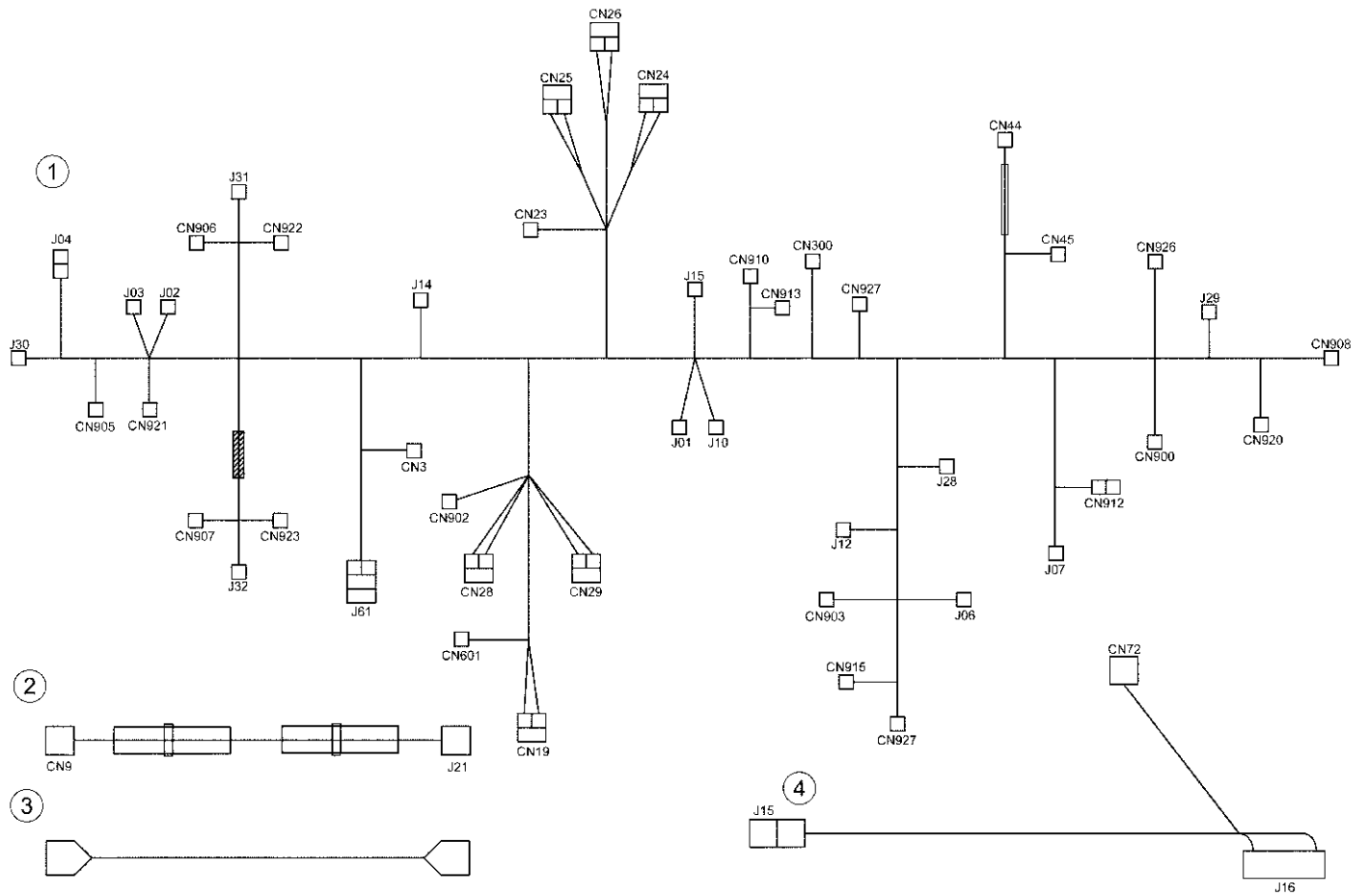
Writing unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------|
| 1 | 26TA-6500 | Writing unit |
| 2 | 26NA65260 | Writing cleaner knob |
| 3 | 26NA65280 | Writing mount part |
| 4 | 26NA65290 | Writing mount spring |
| 5 | 26NA90390 | LD relay wiring/2 |
| 6 | 26NA90180 | Polygon relay wiring |
| 7 | 26NA90240 | INDEX driving wiring |

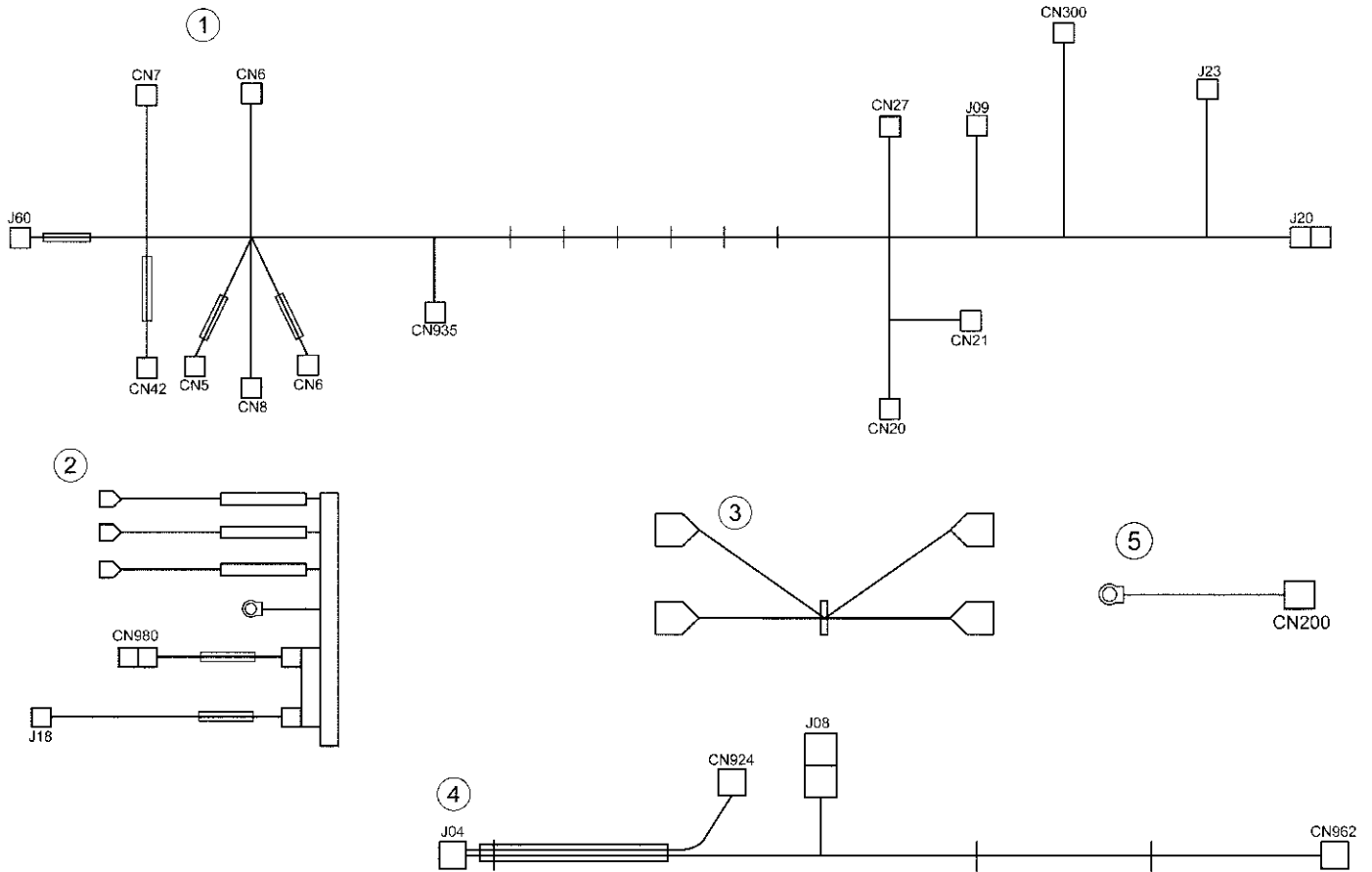
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z163101 |
| b | 00Z193061 |

Wiring



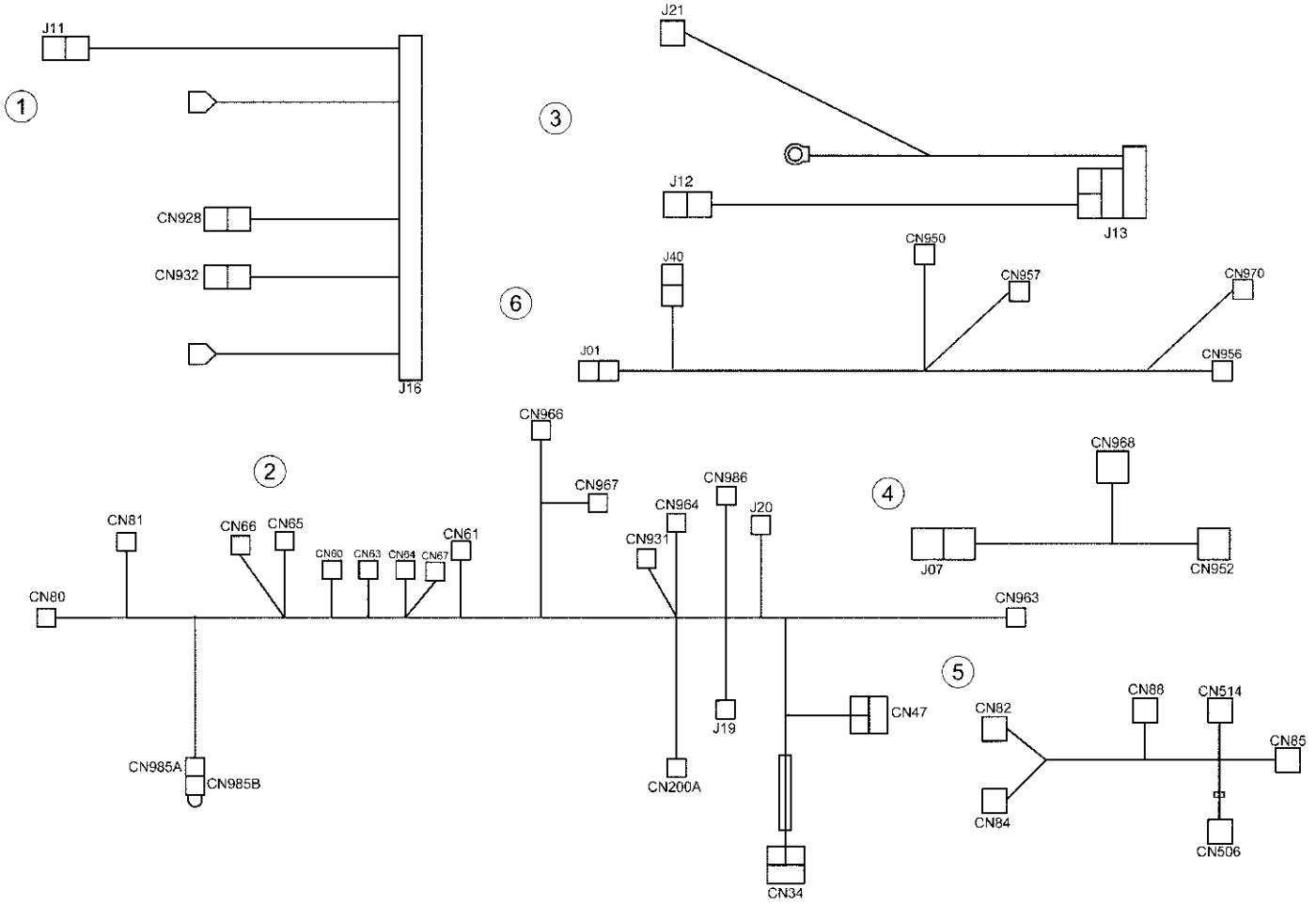
| REF. NO. | PART NUMBER | DESCRIPTION |
|-------------|-------------|---------------------|
| 1 | 26TA90010 | Main wiring |
| 2 | 26NA90020 | Heater relay wiring |
| 3 | 26TA90040 | Fuse cord/1 |
| 4 | 26TA90080 | Drum relay wiring |

Wiring



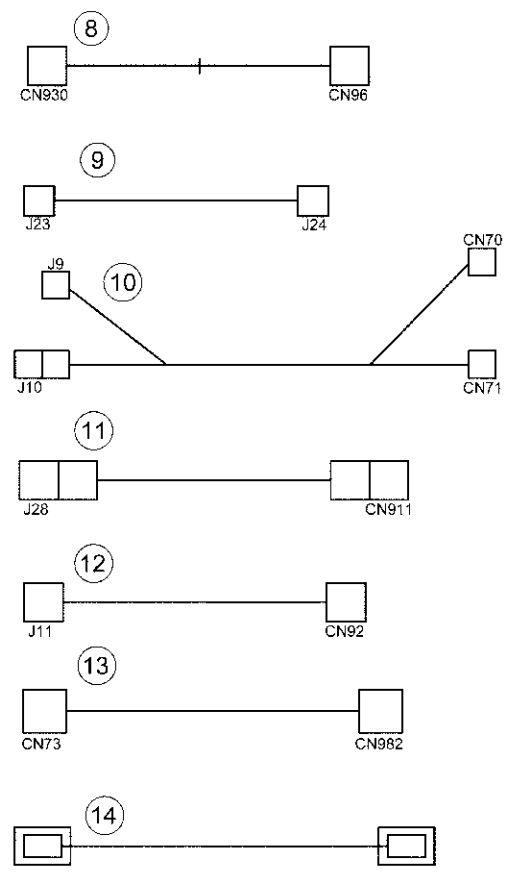
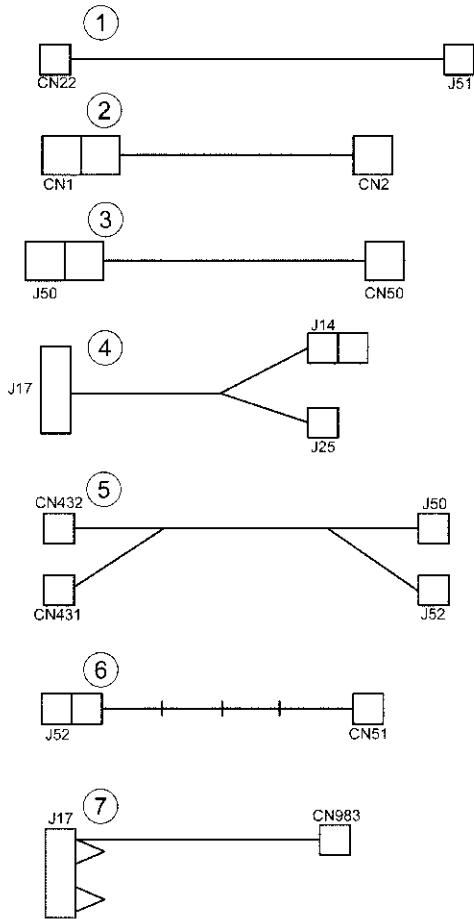
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------|
| 1 | 26TA90030 | DC power source wiring |
| 2 | 26TA90050 | Fixing powering wiring |
| 3 | 26NA90110 | AC power source wiring |
| 4 | 26NA90140 | Manual feed wiring |
| 5 | 26NA90420 | Option wiring/1 |

Wiring



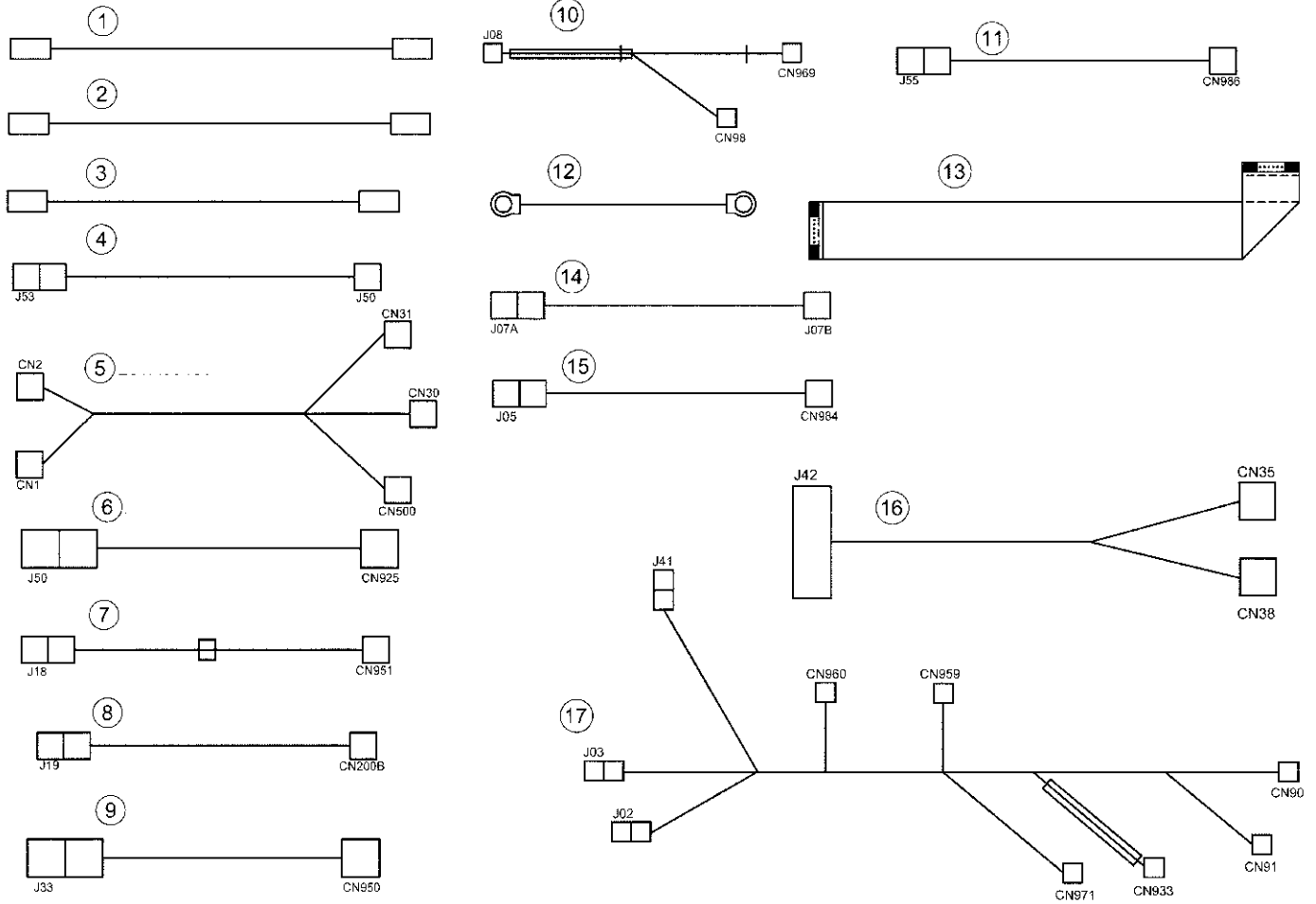
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------|
| 1 | 26TA90070 | Drum wiring |
| 2 | 26TA90090 | Optics wiring |
| 3 | 26NA90060 | Fixing relay wiring |
| 4 | 26NA90170 | Paper exit detecting wiring |
| 5 | 26NA90161 | Operation wiring/2 |
| 6 | 26PA90120 | Paper feed wiring/upper |

Wiring



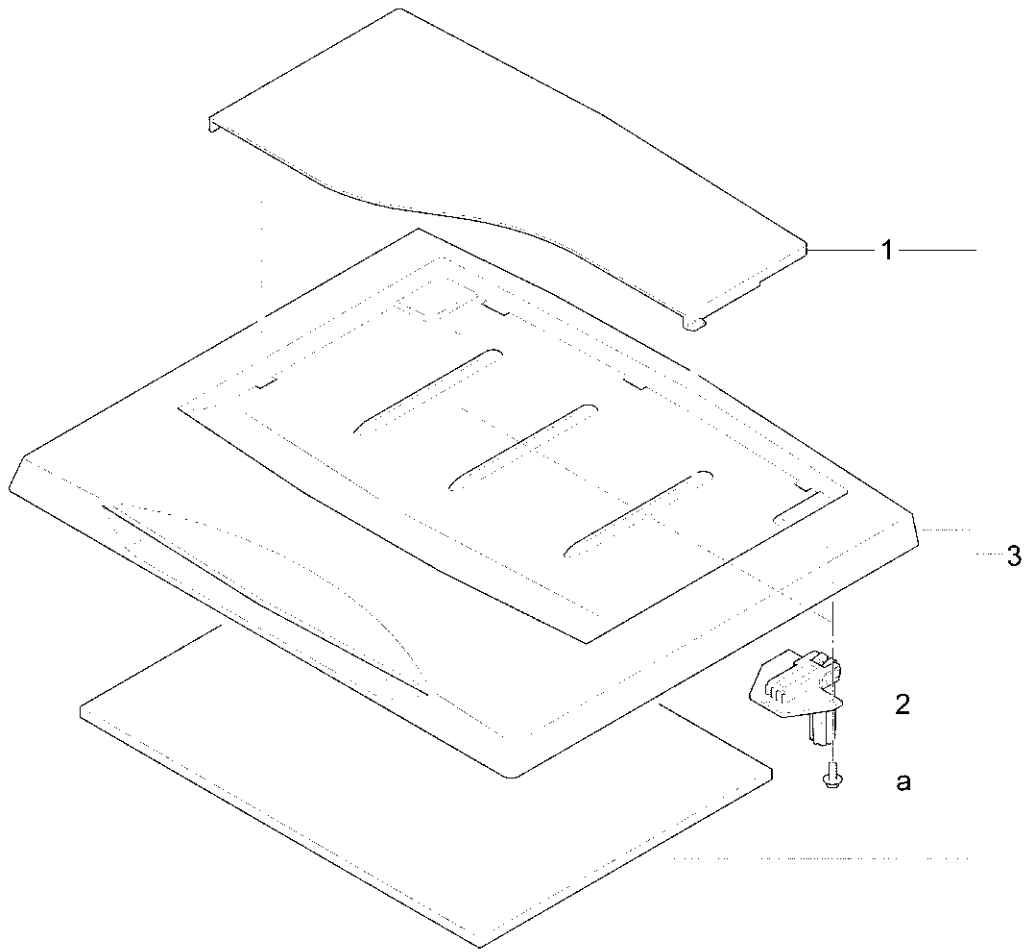
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------|
| 1 | 26NA90180 | Polygon relay wiring |
| 2 | 26NA90330 | Relay wiring/3 |
| 3 | 26TA90210 | LD driving wiring |
| 4 | 26TA90340 | Developing relay wiring |
| 5 | 26NA90230 | LD relay wiring/1 |
| 6 | 26NA90240 | INDEX driving wiring |
| 7 | 26TA90250 | Development wiring |
| 8 | 26NA90260 | Lamp relay wiring |
| 9 | 26NA90270 | DC interlock wiring |
| 10 | 26NA90280 | High voltage relay wiring |
| 11 | 26NA90300 | Relay wiring |
| 12 | 26NA90310 | Relay wiring/1 |
| 13 | 26NA90320 | Relay wiring/2 |
| 14 | 26NA90350 | Developing relay wiring/2 |

Wiring



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA90360 | High voltage wiring/1 |
| 2 | 26NA90370 | High voltage wiring/2 |
| 3 | 26NA90380 | High voltage wiring/3 |
| 4 | 26NA90390 | LD relay wiring/2 |
| 5 | 26TA90400 | System power source wiring |
| 6 | 26NA90410 | Web relay wiring |
| 7 | 26TA90490 | Fixing relay wiring/2 |
| 8 | 26NA90430 | Option relay wiring/2 |
| 9 | 26NA90440 | Resist relay wiring |
| 10 | 26NA90451 | Bypass feed detecting wiring |
| 11 | 26NA90460 | Total counter relay wiring |
| 12 | 26NA90470 | Paper exit ground wiring |
| 13 | 26NA90500 | A/D wiring |
| 14 | 26NA90480 | Paper exit relay wiring |
| 15 | 26NA90190 | Toner supply wiring |
| 16 | 26TA90520 | Paper exit driving wiring |
| 17 | 26PA90130 | Paper feed wiring/lower |

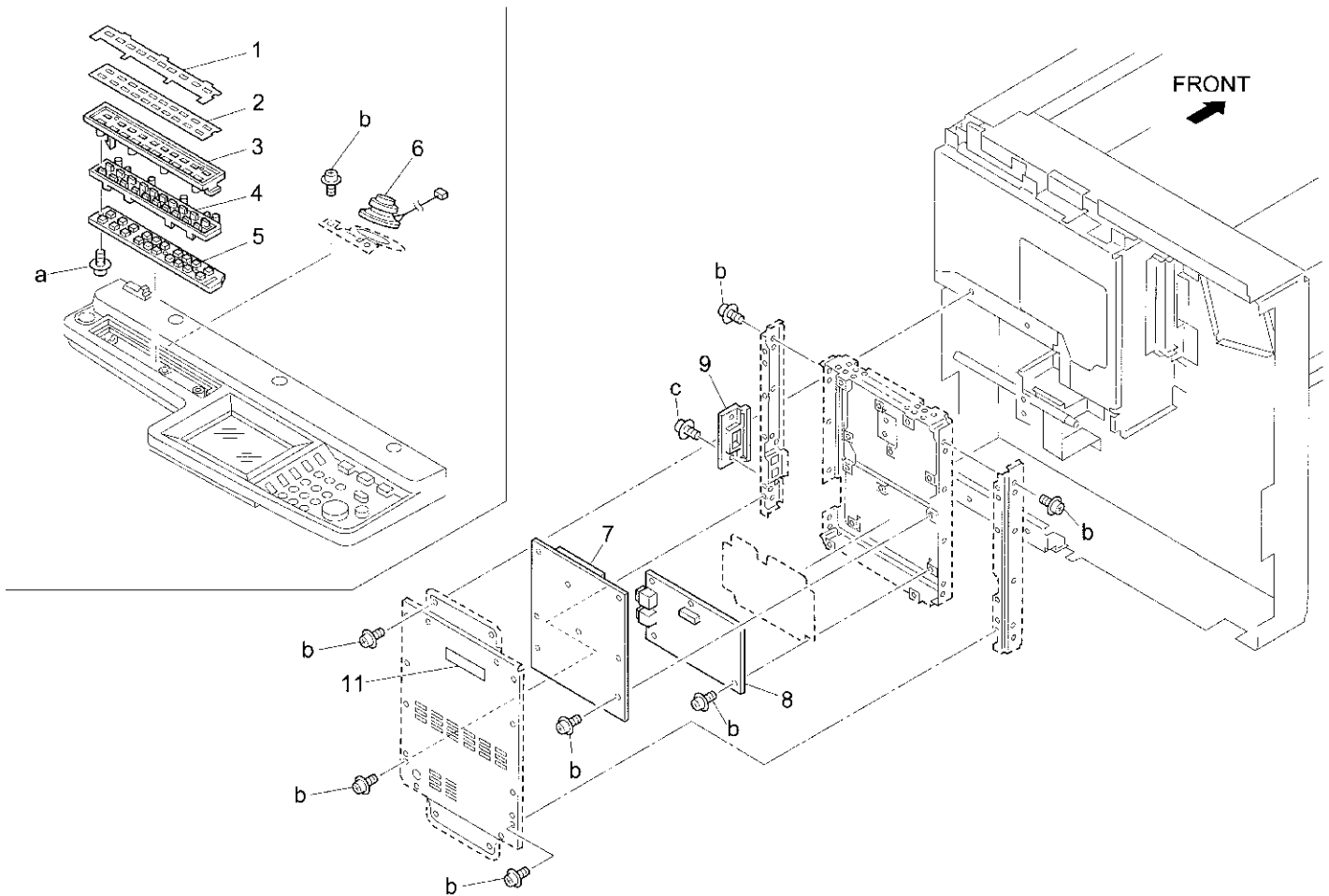
Platen cover (CV-109)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | 13HL14070 | Original cover/upper |
| 2 | 13HL14040 | Original cover hinge |
| 3 | 13HL-1400 | Original cover assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z254101 |

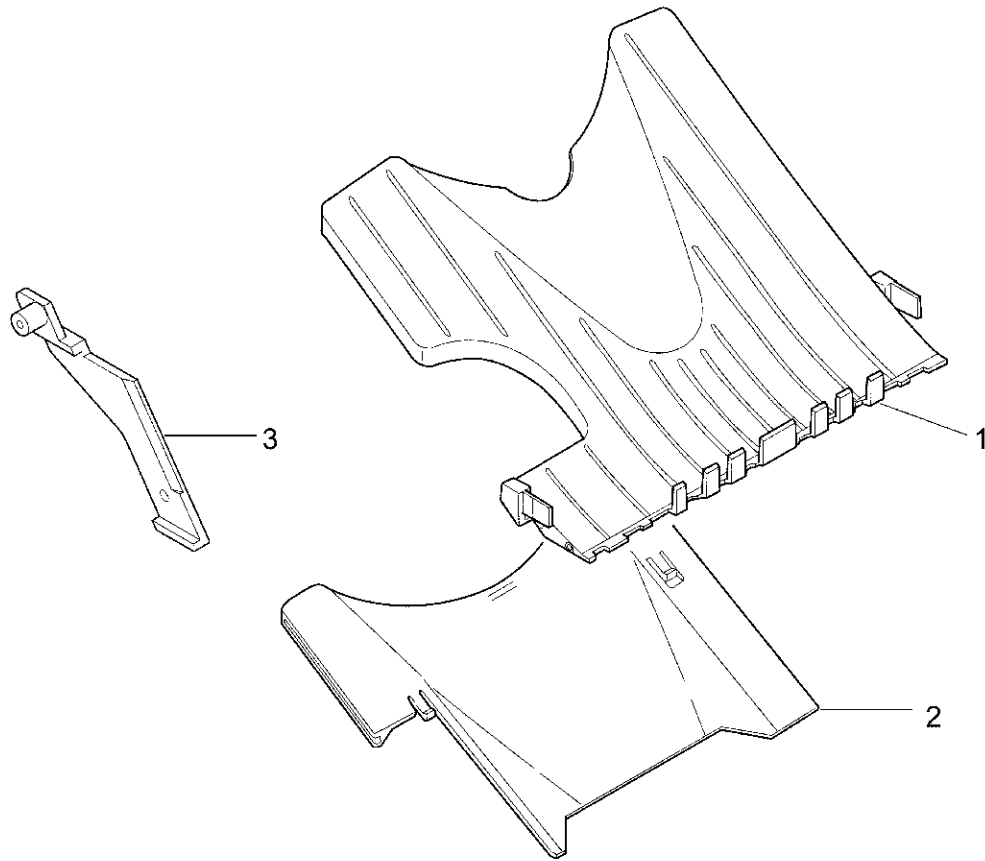
Fax kit (FK-101)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------|
| 1 | 13FQ70020 | Cover sheet |
| 2 | 13FQ70030 | Sheet |
| 3 | 13FQ70010 | Board mount plate |
| 4 | 13FQ70040 | Operation button |
| 5 | 13FQ-9030 | Option operating board |
| 6 | 13FQ82510 | Monitor speaker |
| 7 | 13FQ-9010 | Fax control board |
| 8 | 13FQ-9020 | NCU board/Q |
| 9 | 13FQ73050 | Side cover |
| 10 | * | Not used |
| 11 | 13FQ73100 | Electrify seal |

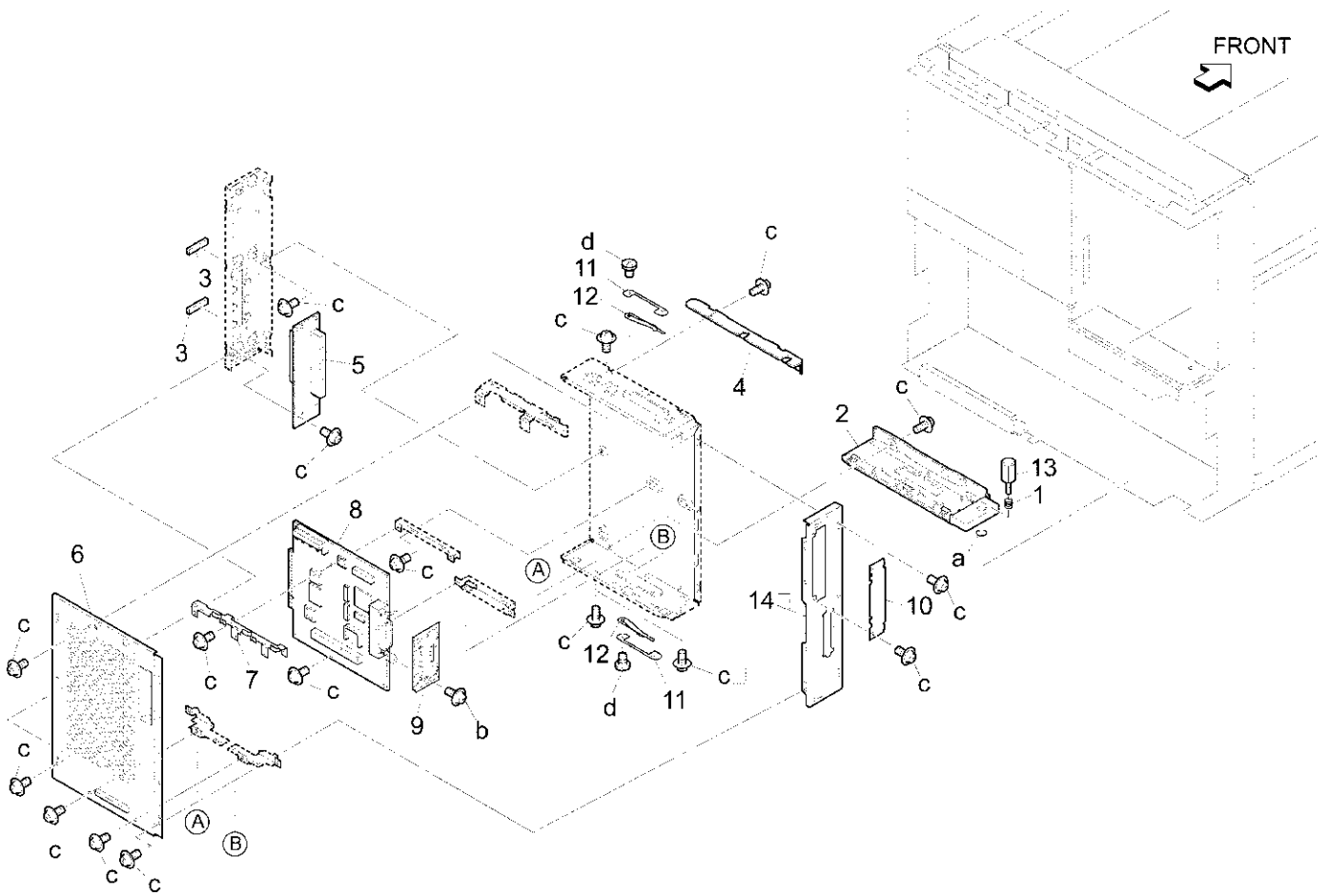
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193041 |
| c | 00Z193062 |

Finisher output tray (FT-107)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------|
| 1 | 13GQ48010 | Paper exit tray/A |
| 2 | 13GQ48020 | Paper exit tray/B |
| 3 | 13GS10010 | Support part |

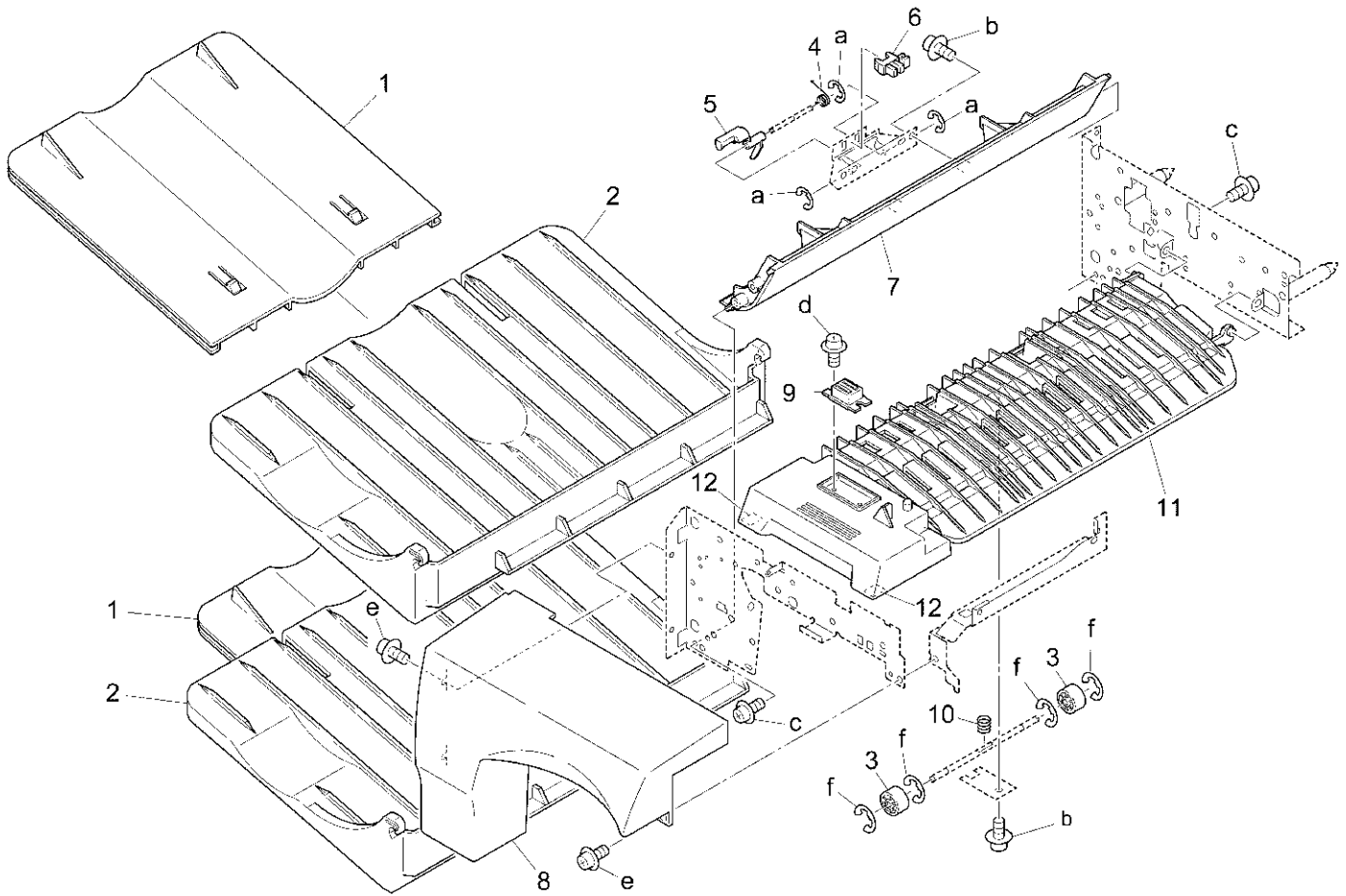
Print controller (IP-011)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 13FM73191 | Auxiliary spring |
| 2 | 13FM73131 | Slide part/lower |
| 3 | 13FM73200 | Electricity seal |
| 4 | 13FM73140 | Slide part/upper |
| 5 | 13FM-9021 | Printer relay board assembly/1 |
| 6 | 13FM73040 | Board cover plate/A |
| 7 | 13FM73100 | Board support plate/E |
| 8 | 13FM-9011 | Printer control board assembly |
| 9 | 13FM73180 | Ground spring/3 |
| 10 | 13FM73090 | Cover plate/1 |
| 11 | 13FM73110 | Spring hold plate |
| 12 | 13FM73170 | Ground spring/2 |
| 13 | 450011270 | Screw |
| 14 | 13FM73030 | Board mount plate/C |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z113065 |
| c | 00Z193041 |
| d | 00Z183042 |

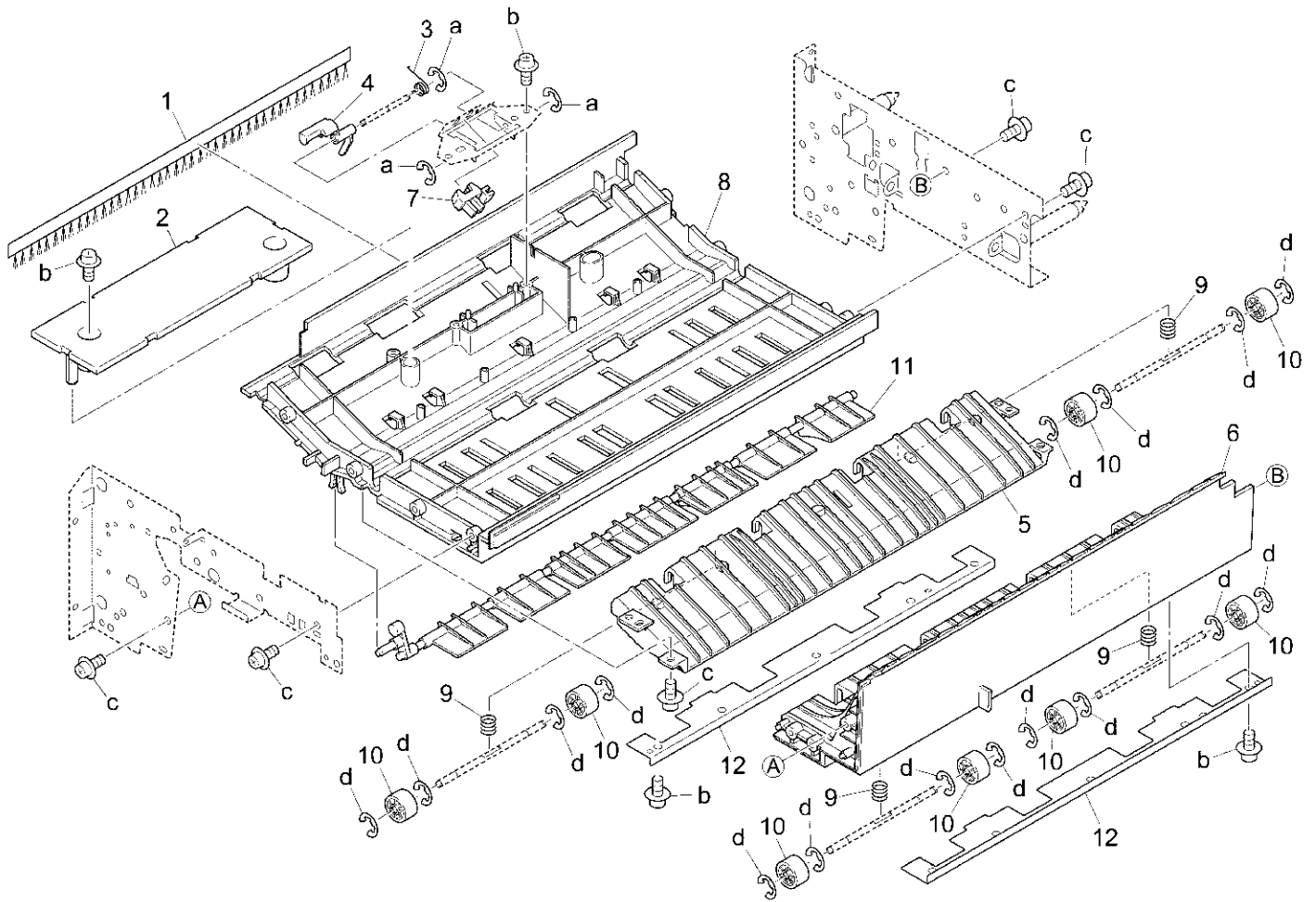
Inner exit tray (IT-101)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 13NG12060 | Paper exit tray/B |
| 2 | 13NG12050 | Paper exit tray/A |
| 3 | 13NG45200 | Conveyance driven roller |
| 4 | 13NG45170 | Pressure spring |
| 5 | 13NG45150 | Paper detecting actuator |
| 6 | 08AA85510 | Photosensor |
| 7 | 13NG45032 | Conveyance guide plate/lower |
| 8 | 13NG12010 | Cover/front |
| 9 | 12AA12100 | Magnet catch/A |
| 10 | 13NG45220 | Conveyance pressure spring/2 |
| 11 | 13NG12030 | Open/shut plate |
| 12 | 12VG44430 | Cushion/A |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z253081 |
| c | 00Z254061 |
| d | 00Z243081 |
| e | 00Z193062 |
| f | 00Z670306 |

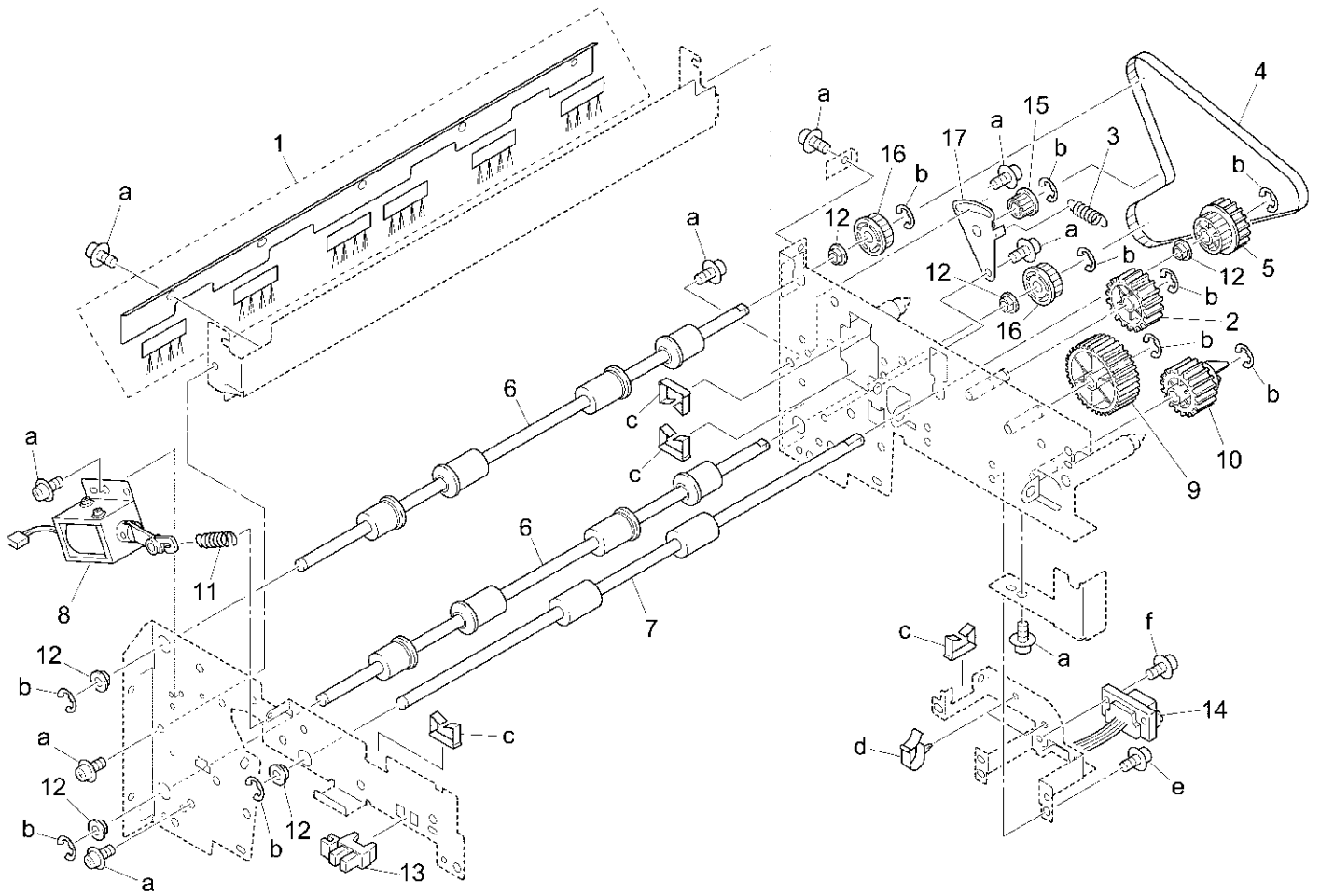
Inner exit tray (IT-101)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 13NG48010 | Neutralizing brush |
| 2 | 13NG12020 | Drive protection cover |
| 3 | 13NG45170 | Pressure spring |
| 4 | 13NG45150 | Paper detecting actuator |
| 5 | 13NG45020 | Conveyance guide plate/upper |
| 6 | 13NG45141 | Conveyance casing/lower |
| 7 | 08AA85510 | Photosensor |
| 8 | 13NG45012 | Conveyance casing/upper |
| 9 | 13NG45080 | Conveyance pressure spring |
| 10 | 13NG45200 | Conveyance driven roller |
| 11 | 13NG45040 | Paper exit guide part |
| 12 | 13NG45190 | Paper exit pressure plate |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z253081 |
| c | 00Z254061 |
| d | 00Z670306 |

Inner exit tray (IT-101)

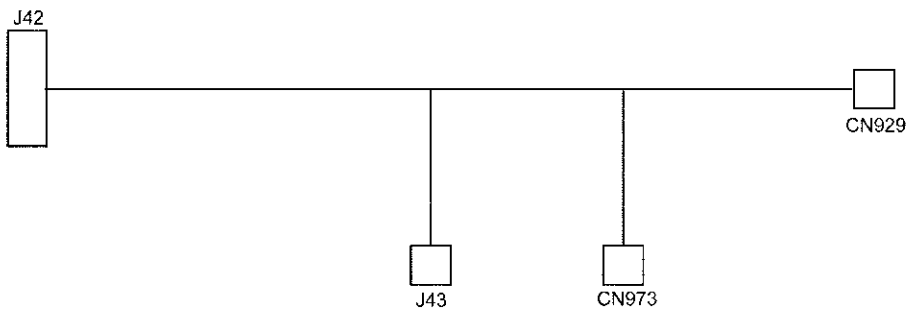


| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------|
| 1 | 13NG-4870 | Wiring cover/B assembly |
| 2 | 13NG15080 | Idler gear |
| 3 | 26NA51030 | Tension spring |
| 4 | 26TA17140 | Belt |
| 5 | 13NG15040 | Conveyance pulley |
| 6 | 13NG45060 | Paper exit roller |
| 7 | 13NG45050 | Conveyance roller |
| 8 | 13NG-4510 | Solenoid assembly |
| 9 | 25HA77070 | Gear/G |
| 10 | 13NG15010 | Input gear |
| 11 | 26NA48110 | Tension spring |
| 12 | 466076020 | Paper feed shaft holder |
| 13 | 08AA85510 | Photosensor |
| 14 | 13NG90010 | Option wiring |
| 15 | 13NG15050 | Tension roller |
| 16 | 26NA50430 | Conveyance pulley/B (Z=28) |
| 17 | 26NA-5140 | Tension plate caulking |

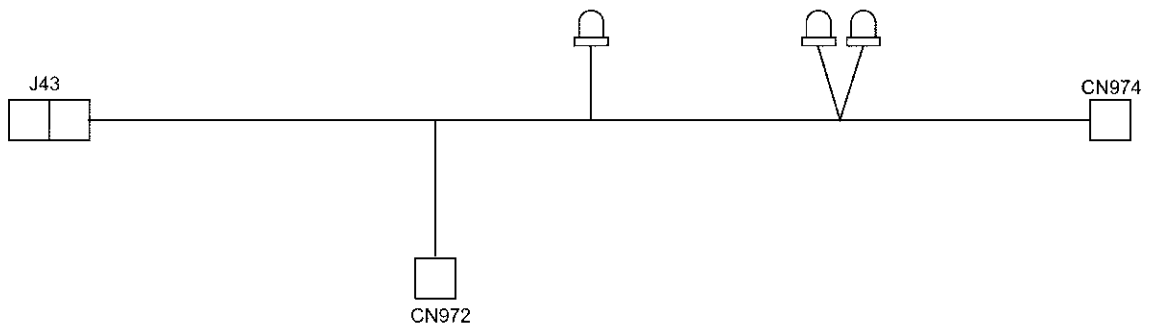
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z670406 |
| c | 00Z921330 |
| d | 00Z926904 |
| e | 00Z193043 |
| f | 00Z193081 |

Inner exit tray (IT-101)

①



②



| REF. NO. | PART NUMBER | DESCRIPTION |
|-------------|-------------|-----------------|
| 1 | 13NG90010 | Option wiring |
| 2 | 13NG90020 | Option wiring/2 |

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Alphabetical index

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| A | | | Board mount plate | 97 | 3 | Charging cleaning knob . . . | 27 | 3 |
| A/D wiring | 93 | 13 | Board mount plate/2 assembly | 11 | 13 | Charging control plate . . . | 27 | 2 |
| AC power source wiring . . | 81 | 21 | Board mount plate/B | 81 | 8 | Charging corona unit | 27 | 14 |
| AC power source wiring . . | 87 | 3 | Board mount plate/C | 81 | 9 | Charging discharge plate assembly | 27 | 13 |
| ADF detecting actuator . . . | 7 | 18 | Board mount plate/C | 101 | 14 | Charging electrify plate/A assembly | 21 | 9 |
| ADF guide block | 11 | 10 | Board support plate/E | 101 | 7 | Charging electrify plate/B assembly | 21 | 2 |
| ADF mount plate/right . . . | 11 | 26 | Bypass feed detecting wiring | 65 | 10 | Charging electrode plate . . | 27 | 6 |
| ADU Solenoid shaft assembly | 57 | 31 | Bypass feed detecting wiring | 93 | 10 | Charging input spring | 21 | 3 |
| ADU change solenoid assembly | 67 | 4 | Bypass feed guide plate/upper | 63 | 1 | Charging spring | 27 | 1 |
| ADU conveyance panel assembly | 73 | 16 | C | | | Charging wire | 27 | 8 |
| ADU conveyance panel/front | 73 | 12 | CCD unit | 11 | 16 | Circuit breaker | 81 | 17 |
| ADU cover | 69 | 6 | Cam pressure gear (Z=25) . . | 61 | 10 | Cleaner assembly | 55 | 5 |
| ADU driving motor | 71 | 14 | Cam release part/rear | 47 | 18 | Cleaner auxiliary part | 25 | 12 |
| ADU guide plate/upper | 69 | 5 | Cam spring | 63 | 6 | Cleaner collect seal | 25 | 3 |
| ADU guide roller | 71 | 15 | Cartridge cover/front | 21 | 20 | Cleaner cover | 55 | 2 |
| ADU idler gear (Z=26/31) . . | 71 | 9 | Cartridge screw | 21 | 17 | Cleaner cover assembly . . . | 29 | 16 |
| ADU lock claw | 69 | 21 | Cassette base/lower | 77 | 4 | Cleaner driving shaft assembly | 55 | 7 |
| ADU open close label | 69 | 24 | Cassette base/upper | 75 | 4 | Cleaner gear/A | 57 | 21 |
| ADU open-close actuator . . | 69 | 27 | Cassette click label | 75 | 19 | Cleaner gear/B (Z=48) | 55 | 17 |
| ADU open-close belt | 73 | 4 | Cassette click label | 77 | 19 | Cleaner pressure spring . . . | 29 | 5 |
| ADU positioning pin/front . . | 69 | 26 | Cassette cover plate/1 | 75 | 29 | Cleaner pressure spring . . . | 55 | 11 |
| ADU reinforce stay/front . . | 69 | 28 | Cassette cover plate/2 | 75 | 5 | Cleaner shaft assembly | 29 | 17 |
| ADU reinforce stay/rear assembly | 69 | 4 | Cassette cover plate/3 | 77 | 29 | Cleaning blade assembly . . . | 23 | 20 |
| APS sensor/2 | 11 | 3 | Cassette cover plate/4 | 77 | 13 | Clutch gear/1 (Z=27) | 19 | 13 |
| Accessories holder panel . . | 7 | 9 | Cassette detecting base | 75 | 22 | Clutch gear/1 (Z=27) | 49 | 2 |
| Adjusting plate | 75 | 6 | Cassette detecting base | 77 | 22 | Clutch lock gear (Z=10) . . . | 63 | 20 |
| Adjusting plate | 77 | 6 | Cassette detecting connector | 75 | 21 | Clutch standard gear | 63 | 22 |
| Agitate coupling | 31 | 10 | Cassette detecting connector | 77 | 21 | Collar | 55 | 26 |
| Agitate coupling/A | 31 | 3 | Cassette driving motor | 17 | 18 | Collect cover/C assembly . . . | 25 | 11 |
| Agitate gear/A (Z=27) | 31 | 16 | Cassette driving motor | 71 | 11 | Collecting gear (Z=54) | 15 | 3 |
| Agitate gear/B (Z=27) | 31 | 15 | Cassette fixed spring | 75 | 14 | Collecting shaft assembly . . . | 15 | 5 |
| Agitate screw assembly . . . | 35 | 6 | Cassette fixed spring | 77 | 14 | Connecting plate/A | 79 | 13 |
| Agitating coupling/B | 15 | 35 | Cassette indication label/1 . . | 75 | 28 | Connecting plate/C | 79 | 14 |
| Agitating gear (Z=19/30) . . . | 21 | 18 | Cassette indication label/2 . . | 77 | 28 | Contact fixing screw/A | 81 | 18 |
| Agitating gear/A (Z=45) . . . | 15 | 17 | Cassette indication label/lower | 77 | 27 | Contact support plate | 79 | 15 |
| Agitator plate/A | 25 | 16 | Cassette indication label/upper | 75 | 27 | Contact support plate/B | 79 | 31 |
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| B | | | Cassette positioning catch/U | 75 | 15 | Conveyance drive gear (Z=20) | 57 | 29 |
| Bearing | 17 | 3 | Cassette positioning catch/U | 77 | 15 | Conveyance driven roller . . . | 103 | 3 |
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| Bearing | 73 | 8 | Cassette rail/left | 75 | 11 | Conveyance guide part | 49 | 9 |
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| Blade seal block/R assembly | 25 | 18 | Cassette remained detecting actuator | 77 | 16 | Conveyance guide plate/upper | 105 | 5 |
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| Board cover plate/B | 81 | 1 | Charging block/front | 27 | 4 | Conveyance lock spring | 69 | 22 |
| Board cover plate/C | 81 | 10 | Charging block/rear | 27 | 9 | | | |
| Board cover/D | 81 | 20 | Charging cleaning assembly | 27 | 12 | | | |
| Board mount plate | 81 | 5 | | | | | | |

| PART DESCRIPTION | PAGE NO. | REF. NO. | PART DESCRIPTION | PAGE NO. | REF. NO. | PART DESCRIPTION | PAGE NO. | REF. NO. |
|--------------------------------------|----------|----------|--|----------|----------|-----------------------------------|----------|----------|
| Conveyance lock spring/lower | 69 | 30 | Developing drive gear/6 (Z=32) | 17 | 30 | Drum driving motor | 17 | 1 |
| Conveyance open-close shaft | 49 | 19 | Developing drive gear/7 (Z=39) | 17 | 29 | Drum driving motor | 19 | 1 |
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| Conveyance pressure spring | 69 | 25 | Developing electrify plate ass | 21 | 5 | Drum relay wiring | 79 | 23 |
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| Conveyance roller | 49 | 13 | Developing rail/right | 33 | 11 | Drum unit assembly | 21 | 7 |
| Conveyance roller | 57 | 18 | Developing relay wiring | 17 | 26 | Drum wiring | 21 | 22 |
| Conveyance roller | 107 | 7 | Developing relay wiring | 91 | 4 | Drum wiring | 89 | 1 |
| Conveyance sheet | 69 | 33 | Developing relay wiring/2 | 33 | 8 | Dumper plate assembly | 15 | 36 |
| Conveyance sheet/front | 69 | 35 | Developing relay wiring/2 | 91 | 14 | Dust proof cover | 3 | 22 |
| Conveyance spacer | 17 | 27 | Developing seal/S | 31 | 14 | Dust proof filter | 3 | 15 |
| Conveyance stopper | 49 | 21 | Developing seal/T | 31 | 27 | Dust proof seal | 59 | 10 |
| Conveyance support plate assembly | 59 | 14 | Developing seal/U | 31 | 28 | Dust proof seal/5 | 3 | 26 |
| Conveyance unit | 49 | 1 | Developing shaft holder | 31 | 8 | Dust proof seal/5 | 43 | 12 |
| Cooling cover/A assembly | 3 | 16 | Developing shaft holder/front | 31 | 18 | | | |
| Cooling cover/B assembly | 3 | 17 | Developing shaft holder/rear | 31 | 19 | E | | |
| Cooling cover/C assembly | 3 | 20 | Developing support stopper | 33 | 7 | Electricity seal | 101 | 3 |
| Cooling cover/E assembly | 37 | 8 | Developing unit | 31 | 1 | Electrify seal | 97 | 11 |
| Cord cover | 49 | 10 | Development wiring | 31 | 25 | Electrode cleaning knob | 49 | 18 |
| Cord cover | 79 | 8 | Development wiring | 91 | 7 | Electrode connecting spring(B) | 21 | 1 |
| Cord cover/A | 5 | 11 | Discharge wire | 29 | 2 | Electrode connecting spring/A | 29 | 13 |
| Cord cover/A | 7 | 14 | Door switch | 79 | 1 | Electrode connecting spring/A | 79 | 4 |
| Cord cover/B | 7 | 3 | Double feed pressure spring | 41 | 4 | Electrode mount plate/1 | 3 | 27 |
| Cord cover/B | 7 | 13 | Double feed pressure spring | 47 | 5 | Electrode plate | 29 | 11 |
| Cord mount plate | 81 | 13 | Double feed preventive plate | 61 | 16 | Electrode spring | 29 | 12 |
| Coupling spring | 15 | 19 | Double feed preventive roller | 41 | 3 | Exposure lamp | 13 | 12 |
| Cover | 63 | 21 | Double feed preventive roller | 47 | 3 | External fixed screw | 5 | 12 |
| Cover | 67 | 22 | Double feed preventive roller/upper | 39 | 21 | External fixed screw | 67 | 18 |
| Cover plate/1 | 101 | 10 | Double feed preventive roller/upper | 45 | 20 | | | |
| Cover sheet | 97 | 1 | Double feed preventive rubber/upper | 39 | 20 | F | | |
| Cover/F | 5 | 16 | Double feed preventive rubber/lower | 41 | 2 | Fan casing/A | 79 | 11 |
| Cover/front | 103 | 8 | Double feed preventive rubber/upper | 45 | 19 | Fan cover | 79 | 6 |
| Cushion/A | 103 | 12 | Double feed preventive rubber/lower | 47 | 2 | Fan cover/1 | 43 | 7 |
| Cushion/C | 67 | 6 | Drawer | 17 | 25 | Fan cover/2 assembly | 43 | 5 |
| | | | Drawer | 41 | 6 | Fan motor assembly | 67 | 3 |
| D | | | Drawer | 79 | 27 | Fan seal/1 | 79 | 24 |
| DC interlock wiring | 79 | 26 | Drive plate assembly | 15 | 24 | Fan spacer | 81 | 23 |
| DC interlock wiring | 91 | 9 | Drive protection cover | 105 | 2 | Fax control board | 97 | 7 |
| DC power source wiring | 87 | 1 | Driven shaft holder | 69 | 8 | Feeding roller | 39 | 16 |
| DC power source/1 | 81 | 15 | Driven shaft holder | 73 | 17 | Feeding roller | 45 | 15 |
| Detecting actuator/A | 37 | 7 | Driven shaft holder/lower | 69 | 36 | Feeding shaft holder | 39 | 18 |
| Detecting spring | 7 | 21 | Driving auxiliary plate | 35 | 20 | Feeding shaft holder | 45 | 17 |
| Developing adjusting cam/front | 31 | 12 | Driving belt (L=300) | 71 | 1 | Felt/A | 21 | 19 |
| Developing block | 31 | 21 | Driving coupling | 39 | 14 | Felt/C | 35 | 3 |
| Developing connecting plate | 31 | 20 | Driving coupling | 45 | 13 | Ferrite core | 13 | 31 |
| Developing cover assembly | 33 | 1 | Driving gear (Z=15) | 17 | 10 | Filter cover assembly | 43 | 9 |
| Developing cover assembly | 33 | 2 | Driving gear (Z=15) | 19 | 5 | Fixed plate | 11 | 27 |
| Developing cover part/A assembly | 33 | 5 | Driving pulley (Z=70) | 13 | 24 | Fixed screw | 51 | 7 |
| Developing cover part/C assembly | 33 | 6 | Driving shaft holder | 13 | 22 | Fixed screw | 57 | 17 |
| Developing drive gear/1 (Z=23/52) | 17 | 7 | Driving shaft holder | 13 | 22 | Fixing claw | 55 | 4 |
| Developing drive gear/2 (Z=27) | 17 | 24 | Driving spacer/1 | 15 | 34 | Fixing cleaner lever | 57 | 25 |
| Developing drive gear/3 (Z=25/28) | 17 | 5 | Driving spacer/2 | 15 | 2 | Fixing cleaner roller | 55 | 13 |
| | | | Drum caution label | 49 | 23 | Fixing cleaner shaft holder/A | 55 | 12 |
| | | | Drum driving gear (Z=108) | 15 | 25 | Fixing cleaner shaft holder/A | 55 | 15 |
| | | | Drum driving motor | 15 | 11 | Fixing cleaner shaft holder/B | 55 | 6 |

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| Fixing cleaner shaft holder/C | 57 | 23 | Ground plate | 49 | 15 | Insulating sheet/A | 3 | 19 |
| Fixing cover/front | 53 | 5 | Ground plate | 75 | 26 | Insulating sheet/2 | 69 | 37 |
| Fixing cover/rear | 53 | 18 | Ground plate | 77 | 26 | Internal cooling fan | 3 | 18 |
| Fixing driving gear/D (Z=16/38) | 57 | 26 | Ground spring | 11 | 21 | | | |
| Fixing entrance plate | 55 | 10 | Ground spring | 49 | 12 | | | |
| Fixing entrance plate/2 assembly | 55 | 14 | Ground spring/2 | 101 | 12 | L | | |
| Fixing fixed part | 53 | 7 | Ground spring/3 | 101 | 9 | L detecting seal | 33 | 9 |
| Fixing gear (Z=47) | 53 | 16 | Guide part | 49 | 14 | LD driving wiring | 91 | 3 |
| Fixing guide part | 57 | 14 | Guide part/lower | 71 | 16 | LD relay wiring/1 | 91 | 5 |
| Fixing guide part/2 | 57 | 8 | Guide part/middle | 71 | 21 | LD relay wiring/2 | 83 | 5 |
| Fixing guide part assembly | 57 | 38 | Guide sheet | 47 | 12 | LD relay wiring/2 | 93 | 4 |
| Fixing guide screw | 51 | 2 | | | | Lamp relay wiring | 91 | 8 |
| Fixing guide screw | 55 | 22 | H | | | Lamp support part/front | 53 | 6 |
| Fixing heat insulate sheet/B | 55 | 20 | Heat insulating part | 55 | 25 | Lamp support part/rear | 53 | 19 |
| Fixing heat insulate sheet/C | 55 | 21 | Heat insulating sheet/E | 55 | 1 | Laser caution label/3 | 5 | 6 |
| Fixing heat insulating sheet/D | 51 | 4 | Heat insulating sleeve/A | 53 | 9 | Laser indication label | 7 | 19 |
| Fixing heater/1 | 53 | 3 | Heat insulating sleeve/B | 53 | 17 | Lens cover | 11 | 5 |
| Fixing heater/2 | 53 | 4 | Heater assembly | 3 | 2 | Lever click shaft | 41 | 1 |
| Fixing idler gear/A (Z=23/23) | 57 | 28 | Heater relay wiring | 85 | 2 | Lever click shaft | 47 | 4 |
| Fixing idler gear/B (Z=21) | 57 | 27 | High tension caution label | 11 | 23 | Lever hold spring | 39 | 6 |
| Fixing mount rail assembly | 57 | 32 | High voltage casing/A | 69 | 17 | Lever hold spring | 45 | 12 |
| Fixing paper exit actuator | 57 | 3 | High voltage casing/B assembly | 69 | 16 | Lever indication label/1 | 41 | 16 |
| Fixing powering wiring | 53 | 13 | High voltage caution label | 5 | 21 | Lever indication label/2 | 47 | 14 |
| Fixing powering wiring | 87 | 2 | High voltage connecting plate/b assembly | 79 | 25 | Lever indication label/3 | 71 | 26 |
| Fixing relay wiring | 79 | 28 | High voltage cover plate/A | 79 | 12 | Lever indication label/4 | 61 | 14 |
| Fixing relay wiring | 89 | 3 | High voltage mount plate | 79 | 30 | Lever indication label/5 | 57 | 6 |
| Fixing relay wiring/2 | 57 | 2 | High voltage power source | 79 | 16 | Lever indication label/6 | 49 | 22 |
| Fixing relay wiring/2 | 93 | 7 | High voltage relay wiring | 79 | 21 | Lever shaft holder | 57 | 13 |
| Fixing roller/lower | 57 | 12 | High voltage relay wiring | 91 | 10 | Lever spring | 57 | 24 |
| Fixing roller/upper | 53 | 2 | High voltage wiring/1 | 79 | 19 | Lift up shaft/front assembly | 3 | 8 |
| Fixing seal | 75 | 9 | High voltage wiring/1 | 93 | 1 | Lift up shaft/rear assembly | 3 | 9 |
| Fixing seal | 77 | 11 | High voltage wiring/2 | 79 | 20 | Lift-up bottom plate assembly | 75 | 3 |
| Fixing sensor | 53 | 1 | High voltage wiring/2 | 93 | 2 | Lift-up bottom plate assembly | 77 | 3 |
| Fixing shaft holder/lower | 15 | 8 | High voltage wiring/3 | 79 | 22 | Lift-up cover | 3 | 6 |
| Fixing shaft holder/lower | 57 | 35 | High voltage wiring/3 | 93 | 3 | Lift-up knob | 3 | 4 |
| Fixing shaft holder/upper | 53 | 10 | Hinge plate/B | 69 | 1 | Lift-up plate | 49 | 3 |
| Fixing unit | 51 | 1 | | | | Lift-up shaft assembly | 75 | 10 |
| Front cover/upper | 5 | 15 | I | | | Lift-up shaft assembly | 77 | 10 |
| Front door/right | 5 | 8 | INDEX driving wiring | 83 | 7 | Lift-up spring | 49 | 4 |
| Fulcrum plate assembly | 5 | 10 | INDEX driving wiring | 91 | 6 | Lift-up spring | 71 | 18 |
| Fulcrum plate assembly | 73 | 11 | Idler gear | 107 | 2 | Lift-up spring/front | 71 | 17 |
| Fuse cord/1 | 53 | 14 | Idler gear (Z=19) | 31 | 5 | Lifting spring/2 | 49 | 24 |
| Fuse cord/1 | 85 | 3 | Idler gear (Z=25) | 21 | 8 | Lock part | 3 | 11 |
| Fuse mount plate assembly | 53 | 15 | Idler gear/A (Z=27/54) | 19 | 15 | Lock part/front | 57 | 7 |
| | | | Idler gear/B (Z=43) | 15 | 39 | Lock part/rear | 57 | 11 |
| | | | Idler gear/B (Z=43) | 19 | 12 | Lock spring/1 | 49 | 16 |
| | | | Idler gear/C (Z=35) | 15 | 32 | Lock spring/2 | 49 | 7 |
| | | | Idler gear/D (Z=27/45) | 15 | 9 | | | |
| | | | Idler gear/E (Z=45) | 17 | 19 | M | | |
| | | | Idler gear/F (Z=41) | 17 | 14 | Machine label/3 | 9 | 22 |
| | | | Idler gear/G (Z=21/35) | 17 | 13 | Magnet catch | 69 | 2 |
| | | | Idler gear/H (Z=33) | 19 | 14 | Magnet catch/A | 103 | 9 |
| | | | Idler gear/I (Z=15/25) | 19 | 9 | Magnet pressure plate | 5 | 7 |
| | | | Idler gear/J (Z=25) | 19 | 8 | Magnet pressure plate | 65 | 22 |
| | | | Idler gear/K (Z=20) | 19 | 2 | Main auxiliary cover | 5 | 3 |
| | | | Idler gear/L (Z=16) | 17 | 6 | Main cover/front | 5 | 9 |
| | | | Idler gear/M (Z=34) | 19 | 3 | Main cover/upper | 5 | 1 |
| | | | Idler gear/O (Z=35) | 17 | 12 | Main driving board assembly | 81 | 2 |
| | | | Idler pulley (Z=18) | 71 | 3 | Main fan motor | 43 | 11 |
| | | | Indication board assembly | 9 | 8 | Main fan motor | 79 | 29 |
| | | | Indication lighting | 9 | 19 | Main fan motor | 81 | 4 |
| | | | Input gear | 107 | 10 | Main setting rubber | 3 | 10 |
| | | | Insulating sheet | 69 | 20 | Main wiring | 85 | 1 |
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| Manual feed conveyance gear (Z=21) | 73 | 9 | | | | PTL light shield assembly | 49 | 5 |
| Manual feed conveyance roller | 61 | 12 | N | | | Paper detecting actuator | 41 | 5 |
| Manual feed conveyance roller | 63 | 15 | NCU board/Q | 97 | 8 | Paper detecting actuator | 45 | 3 |
| Manual feed conveyance roller | 73 | 7 | Neutralizing brush | 51 | 3 | Paper detecting actuator | 103 | 5 |
| Manual feed conveyance spring | 61 | 2 | Neutralizing brush | 55 | 23 | Paper detecting actuator | 105 | 4 |
| Manual feed cover | 65 | 16 | Neutralizing brush | 105 | 1 | assembly | 65 | 24 |
| Manual feed cover assembly | 61 | 18 | Neutralizing brush/A | 67 | 8 | Paper detecting actuator/2 | 41 | 9 |
| Manual feed detecting part | 63 | 12 | Neutralizing brush/B | 67 | 7 | Paper detecting actuator/2 | 45 | 4 |
| Manual feed driven roller | 41 | 15 | Neutralizing plate | 67 | 5 | Paper exit actuator/2 | 67 | 24 |
| Manual feed driving cam | 63 | 3 | | | | Paper exit auxiliary sheet | 11 | 25 |
| Manual feed driving gear/1 (Z=25) | 17 | 17 | O | | | Paper exit auxiliary sheet | 13 | 18 |
| Manual feed driving gear/2 | 17 | 9 | Open-close knob | 69 | 18 | Paper exit cover assembly | 5 | 14 |
| Manual feed fulcrum plate assembly | 65 | 17 | Open-close label/lower | 49 | 6 | Paper exit detecting wiring | 67 | 20 |
| Manual feed guide part | 61 | 3 | Open-close label/upper | 73 | 20 | Paper exit detecting wiring | 89 | 4 |
| Manual feed guide plate | 61 | 17 | Open-close lever | 49 | 8 | Paper exit driven part | 67 | 16 |
| Manual feed guide spacer | 61 | 19 | Open-close lever | 57 | 9 | Paper exit driven roller | 67 | 12 |
| Manual feed idler gear/lower (Z=22) | 63 | 2 | Open-close lever/2 | 49 | 17 | Paper exit driven roller | 67 | 14 |
| Manual feed idler gear/upper (Z=28/30) | 61 | 9 | Open-close spring | 57 | 10 | Paper exit driven shaft | 67 | 15 |
| Manual feed label/1 | 65 | 21 | Open-close spring/front | 73 | 13 | Paper exit driven spring | 67 | 13 |
| Manual feed label/2 | 65 | 12 | Open-close spring/rear | 73 | 15 | Paper exit driving wiring | 93 | 16 |
| Manual feed lift-up lever | 61 | 21 | Open/shut plate | 103 | 11 | Paper exit gear (Z=26) | 15 | 23 |
| Manual feed lift-up plate assembly | 61 | 15 | Operation board/1 assembly | 9 | 14 | Paper exit gear (Z=26) | 67 | 25 |
| Manual feed lift-up shaft | 61 | 20 | Operation button | 97 | 4 | Paper exit ground wiring | 67 | 2 |
| Manual feed open-close spring/rear | 65 | 19 | Operation cover/lower | 9 | 17 | Paper exit ground wiring | 93 | 12 |
| Manual feed paper guide assembly | 61 | 22 | Operation tray | 9 | 1 | Paper exit guide cover | 5 | 17 |
| Manual feed part | 63 | 17 | Operation unit | 9 | 20 | Paper exit guide part | 67 | 26 |
| Manual feed pick up assembly/2 | 63 | 24 | Operation unit button/A | 9 | 11 | Paper exit guide part | 105 | 11 |
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| Manual feed pressure spring | 61 | 11 | Operation unit button/C | 9 | 12 | Paper exit relay wiring | 93 | 14 |
| Manual feed roller | 63 | 23 | Operation unit button/D | 9 | 21 | Paper exit roller | 67 | 9 |
| Manual feed solenoid assembly | 63 | 5 | Operation unit button/E | 9 | 16 | Paper exit roller | 107 | 6 |
| Manual feed sticking part/2 | 73 | 21 | Operation unit button/F | 9 | 5 | Paper exit shaft holder | 17 | 21 |
| Manual feed sticking part/3 | 65 | 23 | Operation unit button/G | 9 | 6 | Paper exit slide shaft holder | 67 | 11 |
| Manual feed tray/lower | 65 | 20 | Operation unit button/H | 9 | 3 | Paper exit slide shaft holder | 71 | 7 |
| Manual feed tray/upper | 65 | 5 | Operation unit cover | 9 | 10 | Paper exit spring | 67 | 17 |
| Manual feed wiring | 63 | 9 | Operation unit cover/upper | 9 | 2 | Paper exit stay | 67 | 21 |
| Manual feed wiring | 87 | 4 | Operation unit ground plate/1 | 9 | 18 | Paper exit tray | 5 | 4 |
| Mirror adjusting screw | 13 | 14 | Operation unit sheet | 9 | 9 | Paper exit tray/A | 99 | 1 |
| Mirror mount plate/1 | 13 | 13 | Operation wiring/2 | 9 | 15 | Paper exit tray/A | 103 | 2 |
| Mirror mount plate/2 assembly | 13 | 1 | Operation wiring/2 | 89 | 5 | Paper exit tray/B | 99 | 2 |
| Mirror pressure spring | 13 | 15 | Optics caution label | 11 | 19 | Paper exit tray/B | 103 | 1 |
| Mirror pressure spring/3 | 13 | 8 | Optics mirror/1 | 13 | 16 | Paper exit unit | 67 | 1 |
| Mirror pressure spring/4 | 13 | 6 | Optics mirror/2 | 13 | 7 | Paper feed auxiliary part | 41 | 17 |
| Mirror support plate/front | 13 | 5 | Optics slide plate/front | 13 | 4 | Paper feed clutch | 17 | 22 |
| Mirror support plate/rear | 13 | 32 | Optics slide plate/rear | 13 | 9 | Paper feed connecting roller/1 | 39 | 10 |
| Monitor speaker | 97 | 6 | Optics slide sheet/1 | 11 | 15 | Paper feed connecting roller/2 | 47 | 8 |
| Motor belt (L=163.5) | 13 | 25 | Optics slide sheet/2 | 11 | 12 | Paper feed conveyance spring | 47 | 15 |
| Motor gear (Z=31) | 71 | 10 | Optics wire/front | 13 | 19 | Paper feed coupling gear/A (Z=25) | 17 | 11 |
| Motor mount plate assembly | 71 | 12 | Optics wire/rear | 13 | 20 | Paper feed coupling gear/A (Z=25) | 19 | 6 |
| Mount plate | 71 | 23 | Optics wiring | 89 | 2 | Paper feed coupling gear/B (Z=20) | 17 | 16 |
| Mount plate/2 | 11 | 14 | Option operating board | 97 | 5 | Paper feed coupling gear/B (Z=20) | 19 | 4 |
| Mount screw | 53 | 12 | Option relay wiring/2 | 93 | 8 | Paper feed driven roller | 61 | 6 |
| | | | Option wiring | 107 | 14 | Paper feed driven roller/lower | 47 | 17 |
| | | | Option wiring | 109 | 1 | Paper feed driving gear (Z=52/97) | 19 | 16 |
| | | | Option wiring/1 | 87 | 5 | Paper feed enter plate assembly | 47 | 13 |
| | | | Option wiring/2 | 109 | 2 | Paper feed gear (Z=15) | 17 | 23 |
| | | | Original cover assembly | 95 | 3 | Paper feed gear (Z=15) | 19 | 10 |
| | | | Original cover hinge | 95 | 2 | | | |
| | | | Original cover/upper | 95 | 1 | | | |
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| Paper feed gear/3 assembly | 19 | 7 | Photosensor | 45 | 5 | Reading cover/front | 7 | 6 |
| Paper feed guide plate/lower | 47 | 6 | Photosensor | 57 | 1 | Reading cover/left | 7 | 2 |
| Paper feed guide plate/upper | 41 | 8 | Photosensor | 59 | 6 | Reading cover/rear | 7 | 10 |
| Paper feed guide sheet/A | 41 | 11 | Photosensor | 63 | 10 | Reading seal/2 | 11 | 24 |
| Paper feed idler gear (Z=17) | 39 | 19 | Photosensor | 67 | 19 | Reading support plate/right | 11 | 2 |
| Paper feed idler gear (Z=17) | 45 | 18 | Photosensor | 71 | 22 | Rear cover | 7 | 8 |
| Paper feed indication plate/front | 75 | 20 | Photosensor | 103 | 6 | Rear cover/left | 7 | 1 |
| Paper feed indication plate/front | 77 | 20 | Photosensor | 105 | 7 | Rear cover/right | 5 | 13 |
| Paper feed lower assembly | 47 | 1 | Photosensor/2 | 107 | 13 | Rear ground plate | 3 | 21 |
| Paper feed plate/right | 47 | 10 | Pin | 65 | 11 | Recycling shaft holder | 25 | 13 |
| Paper feed pressure spring/front | 41 | 7 | Pin (A) | 35 | 9 | Reflect mirror | 13 | 11 |
| Paper feed pressure spring/rear | 41 | 10 | Pin (A) | 15 | 37 | Regulating plate/front assembly | 55 | 8 |
| Paper feed protect sheet/2 | 47 | 9 | Pin (A) | 17 | 4 | Regulating plate/rear assembly | 55 | 9 |
| Paper feed shaft holder | 39 | 13 | Pin (A) | 31 | 2 | Regulating seal/A | 27 | 15 |
| Paper feed shaft holder | 45 | 7 | Pin (A) | 31 | 24 | Relay wiring | 91 | 11 |
| Paper feed shaft holder | 63 | 16 | Pin (A) | 55 | 16 | Relay wiring/1 | 91 | 12 |
| Paper feed shaft holder | 107 | 12 | Pin (A) | 57 | 19 | Relay wiring/2 | 79 | 18 |
| Paper feed slide holder | 39 | 1 | Pin (A) | 69 | 32 | Relay wiring/2 | 91 | 13 |
| Paper feed slide shaft holder | 47 | 7 | Pin (A) | 71 | 13 | Relay wiring/3 | 91 | 2 |
| Paper feed solenoid | 39 | 4 | Pin (B) | 61 | 13 | Remained detecting sensor | 35 | 22 |
| Paper feed solenoid | 45 | 10 | Pin (B) | 61 | 13 | Resist actuator | 59 | 8 |
| Paper feed support knob | 41 | 13 | Pin (B) | 73 | 10 | Resist cleaner assembly | 59 | 15 |
| Paper feed wiring/lower | 45 | 1 | Pinion | 65 | 7 | Resist clutch | 19 | 11 |
| Paper feed wiring/lower | 93 | 17 | Pinion (Z=16) | 75 | 7 | Resist clutch | 59 | 4 |
| Paper feed wiring/upper | 39 | 8 | Pinion (Z=16) | 77 | 7 | Resist fixed screw | 59 | 11 |
| Paper feed wiring/upper | 89 | 6 | Pinion/A (Z=124) | 65 | 13 | Resist fixed screw | 67 | 23 |
| Paper feeding rubber | 39 | 15 | Platen glass assembly | 11 | 1 | Resist relay wiring | 59 | 5 |
| Paper feeding rubber | 45 | 14 | Platen glass assembly/2 | 11 | 7 | Resist relay wiring | 93 | 9 |
| Paper feeding rubber | 63 | 19 | Polygon relay wiring | 83 | 6 | Resist roller/A | 59 | 13 |
| Paper feeding shaft holder | 15 | 1 | Polygon relay wiring | 91 | 1 | Resist roller/B | 59 | 12 |
| Paper feeding shaft holder | 49 | 11 | Polyslider 6 | 15 | 16 | Resist shaft holder/1 | 59 | 3 |
| Paper feeding shaft holder | 63 | 7 | Polyslider 6 | 19 | 17 | Resist shaft holder/2 | 59 | 1 |
| Paper feeding shaft holder | 71 | 27 | Positioning arm | 39 | 22 | Resist spring | 59 | 2 |
| Paper feeding spring | 39 | 5 | Positioning arm | 45 | 11 | Reversal actuator | 71 | 24 |
| Paper feeding spring | 45 | 9 | Positioning screw | 31 | 13 | Reversal gear (Z=26) | 71 | 8 |
| Paper guide part | 57 | 30 | Power socket assembly | 81 | 14 | Reversal roller | 71 | 19 |
| Paper guide part/lower | 73 | 14 | Power source control switch | 9 | 4 | Reversal sheet | 71 | 6 |
| Paper guide part/upper | 73 | 6 | Power source cord | 81 | 16 | Reversal spacer | 71 | 30 |
| Paper guide plate/front | 65 | 1 | Power source cover plate | 81 | 12 | Reversing spring | 69 | 10 |
| Paper guide plate/rear | 65 | 2 | Power source switch | 81 | 22 | Rocking shaft holder | 21 | 10 |
| Paper guide sheet/A | 23 | 13 | Powering board assembly | 13 | 28 | Roller/B | 69 | 9 |
| Paper guide sheet/C | 23 | 15 | Pressure arm/front | 57 | 5 | Roller/B | 73 | 2 |
| Paper guide sheet/D | 23 | 16 | Pressure arm/rear | 57 | 20 | Rotary shaft/A assembly | 57 | 16 |
| Paper lift-up lever shaft holder | 17 | 28 | Pressure assembly | 37 | 12 | | | |
| Paper lift-up plate | 75 | 18 | Pressure part/A | 55 | 19 | S | | |
| Paper lift-up plate | 77 | 18 | Pressure part/B | 55 | 24 | Scanner driving board assembly | 13 | 27 |
| Paper push up lever shaft holder | 57 | 15 | Pressure roller | 69 | 7 | Scanner driving motor | 13 | 26 |
| Paper regulating part/front | 65 | 3 | Pressure roller | 73 | 3 | Screw | 101 | 13 |
| Paper regulating part/rear | 65 | 4 | Pressure roller/upper | 69 | 3 | Screw gear (Z=24) | 21 | 21 |
| Paper regulating plate/left | 75 | 2 | Pressure spring | 57 | 4 | Screw guide/rear assembly | 17 | |
| Paper regulating plate/left | 77 | 2 | Pressure spring | 59 | 7 | Screw seal part/middle | 35 | 26 |
| Paper supply label | 75 | 13 | Pressure spring | 103 | 4 | Screw seal part/lower | 35 | 13 |
| Paper supply label | 77 | 5 | Pressure spring | 105 | 3 | Screw seal part/upper | 35 | 11 |
| Paper supply rubber | 63 | 14 | Pressure spring assembly | 51 | 9 | Screw shaft holder | 21 | 6 |
| Parameter memory board assembly | 81 | 19 | Printer control board assembly | 101 | 8 | Screw shaft holder | 25 | 4 |
| Photosensor | 3 | 23 | Printer relay board assembly/1 | 101 | 5 | Screw shaft holder/B | 25 | 7 |
| Photosensor | 11 | 9 | Protect cover | 81 | 7 | Sensor | 79 | 17 |
| Photosensor | 37 | 6 | Pulley fixed plate | 13 | 23 | Separate auxiliary roller | 23 | 6 |
| Photosensor | 39 | 7 | R | | | Separate bridge | 29 | 1 |
| Photosensor | 39 | 11 | Rack | 65 | 6 | Separate claw assembly | 23 | 18 |
| | | | Rack/A | 65 | 8 | Separate fulcrum shaft | 23 | 19 |
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| Separate release spring | 23 | 5 | Spark arrester preventive plate/front | 29 | 10 | Toner conveyance gear/4 (Z=13) | 25 | 14 |
| Separate rocking collar | 23 | 3 | Spewing PV sheet/B | 25 | 10 | Toner conveyance gear/4 (Z=34) | 35 | 7 |
| Separate rocking screw | 23 | 2 | Spewing preventive plate/A assembly | 23 | 17 | Toner conveyance gear/5 (Z=16/23) | 35 | 19 |
| Separate rocking spring | 23 | 7 | Spewing preventive sheet/2 | 33 | 12 | Toner conveyance shaft holder/A | 35 | 4 |
| Separate solenoid assembly | 23 | 11 | Spewing preventive spacer | 35 | 5 | Toner cover assembly | 39 | 2 |
| Separate spring | 55 | 3 | Spring hold plate | 101 | 11 | Toner density sensor | 33 | 10 |
| Separation rocking cam | 21 | 14 | Spring lock plate | 75 | 24 | Toner detecting board assembly | 23 | 9 |
| Separation rocking gear (Z=18) | 21 | 12 | Spring lock plate | 77 | 24 | Toner supply base/upper assembly | 35 | 14 |
| Shaft fixed part | 21 | 11 | Spring regulating sheet | 7 | 22 | Toner supply caution label . . | 5 | 25 |
| Shaft guide cover | 7 | 5 | Spring spacer | 15 | 33 | Toner supply driving assembly | 37 | 1 |
| Shaft holder fulcrum part | 25 | 8 | Stopper cover | 7 | 11 | Toner supply gear/1 (Z=23/51) | 37 | 4 |
| Shaft holder fulcrum part | 31 | 17 | Stopper part | 5 | 5 | Toner supply gear/2 (Z=16/51) | 37 | 3 |
| Shaft holder part/lower | 69 | 29 | Suction cover sticking assembly | 43 | 1 | Toner supply guide part assembly | 37 | 9 |
| Shaft holder part/upper | 69 | 23 | Suction cover/2 assembly | 43 | 2 | Toner supply label | 5 | 20 |
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| 26NA51010 | 5 | 24 | 26NA61310 | 13 | 13 | 26NA73331 | 79 | 6 |
| 26NA51020 | 69 | 35 | 26NA61340 | 13 | 16 | 26NA73360 | 79 | 32 |
| 26NA51030 | 71 | 29 | 26NA61370 | 13 | 11 | 26NA73370 | 81 | 6 |
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| 26NA51060 | 69 | 8 | 26NA61390 | 13 | 17 | 26NA73410 | 81 | 13 |
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| 26NA53840 | 57 | 23 | 26NA62280 | 11 | 22 | 26NA88030 | 79 | 17 |
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| | | | 26NA73240 | 81 | 1 | 26NA90300 | 91 | 11 |

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| 26NA97440 | 47 | 14 | 26TA20190 | 23 | 14 | 26TA90490 | 93 | 7 |
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| 26NA97460 | 61 | 14 | 26TA20350 | 21 | 20 | 26TE-3340 | 37 | 9 |
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| 26NE12080 | 5 | 8 | 26TA21540 | 25 | 13 | 392045260 | 21 | 1 |
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| 26NE97290 | 77 | 27 | 26TA50150 | 71 | 8 | 40AA42270 | 63 | 8 |
| 26NE97470 | 57 | 6 | 26TA50160 | 71 | 10 | 40AA42310 | 61 | 7 |
| 26NE97820 | 5 | 25 | 26TA50170 | 71 | 9 | 40AA47130 | 75 | 6 |

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| 466076020 | 63 | 7 | 540076050 | 13 | 22 | 580388410 | 13 | 31 |
| 466076020 | 71 | 27 | 552012250 | 69 | 9 | 684276031 | 17 | 21 |
| 466076020 | 107 | 12 | 552012250 | 73 | 2 | | | |

Konica

PARTS CATALOG

Model
7135

SEPTEMBER 2002
CMPC-7135

KONICA BUSINESS TECHNOLOGIES, INC.

How to use this catalog

This parts catalog includes illustrations and part numbers for all replacement parts and assemblies used in this model.

Model-specific parts are identified in the illustrations with reference numbers. Use the reference number to locate the corresponding part number on the facing page.

Common hardware items, such as screws, nuts, washers, and pins, are identified in the illustrations with reference letters. Use the reference letter to locate the corresponding part number on the hardware listing in the lower right hand corner of the facing page.

If you know a part number, but don't know where the part is used, use the numerical index to determine the page number and reference number for that part. Because some common parts are used in several places, there may be more than one entry. Refer to the illustrations to see where the part may be used.

If you know a part's description, but don't know where to look to find the part number, use the alphabetical index to determine likely page and reference numbers. Then look at the illustrations to determine that you have identified the correct part. Locate the part number using the listing on the opposite page.

Retail pricing that appears with the numerical index, while valid when this catalog was printed, is subject to change without notice. The prices are only suggested prices and are provided only for reference. Dealers may determine their own selling prices. For up-to-date pricing, refer to current Konica price lists or contact the Konica Parts Distribution Center.

How to order parts

Use standard Konica parts ordering procedures to obtain these parts. For ordering options, contact Konica's Parts Distribution Center.

When ordering parts, be sure to specify part numbers exactly as listed in this catalog.

NOTE: Electrical parts may include previously used components.

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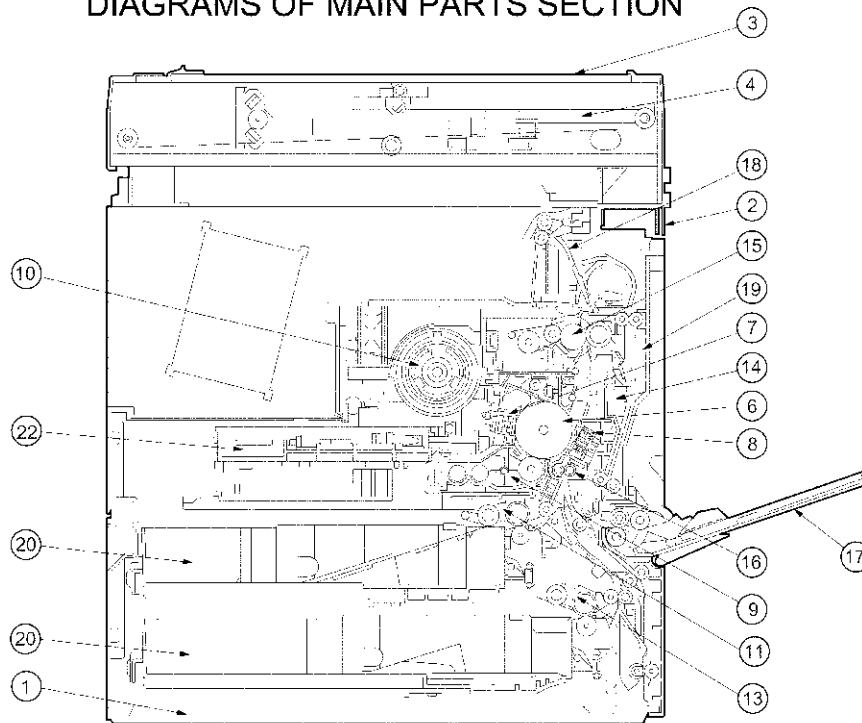
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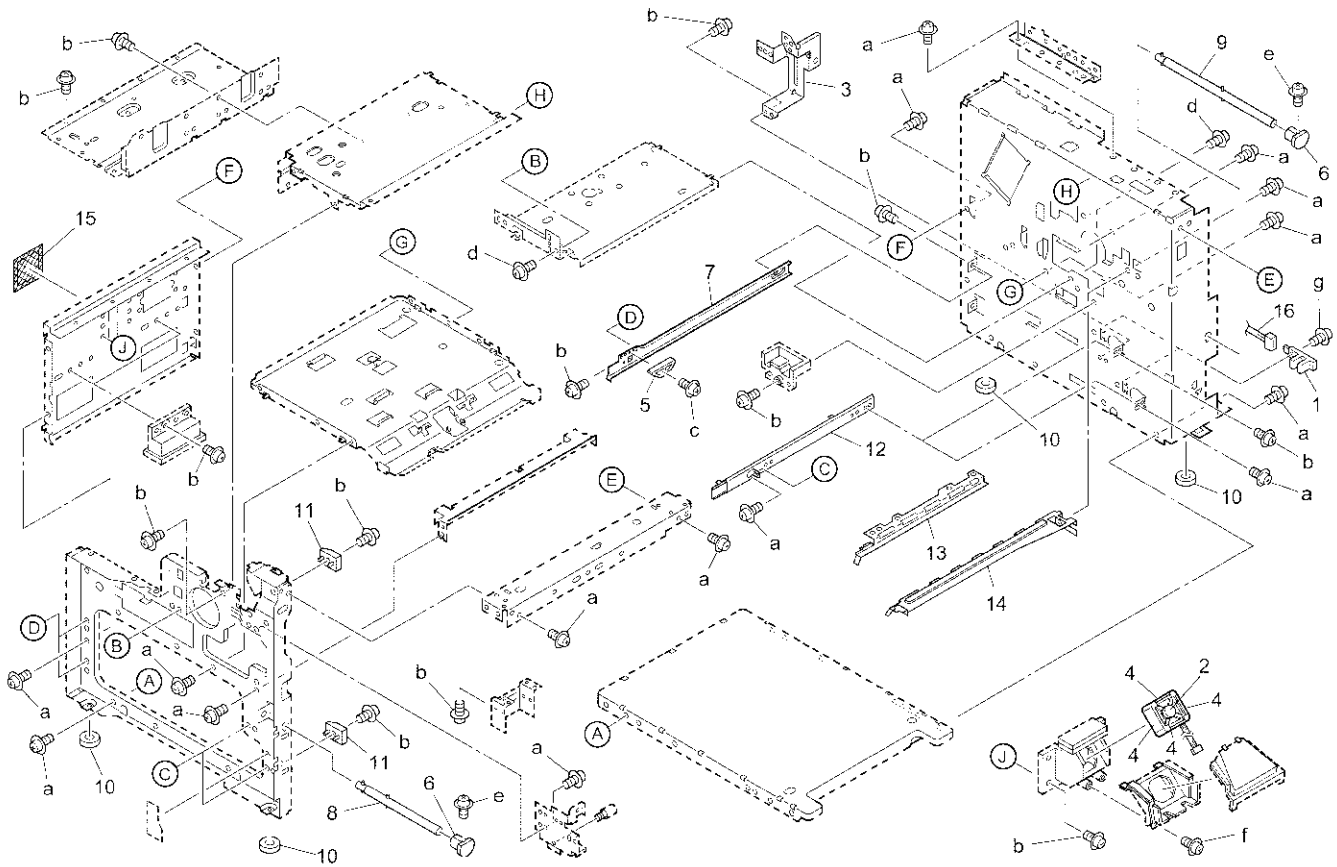
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DIAGRAMS OF MAIN PARTS SECTION



1. Main Frame
2. External Parts
3. Operation Unit
4. Writing Unit
5. Driving Section
6. Drum Cartridge
7. Transfer/Separator Corona Unit
8. Charging Unit
9. Developing Unit
10. Toner Supply Unit
11. Resist Unit
12. Fixing Unit
13. Paper Feed Unit
14. Vertical Conveyance Unit
15. Manual Feed Unit
16. 500 Sheet Tray
17. 1500 Sheet Tray
18. ADU
19. Conveyance Unit
20. Paper Exit Unit
21. Electric Parts
22. Wiring

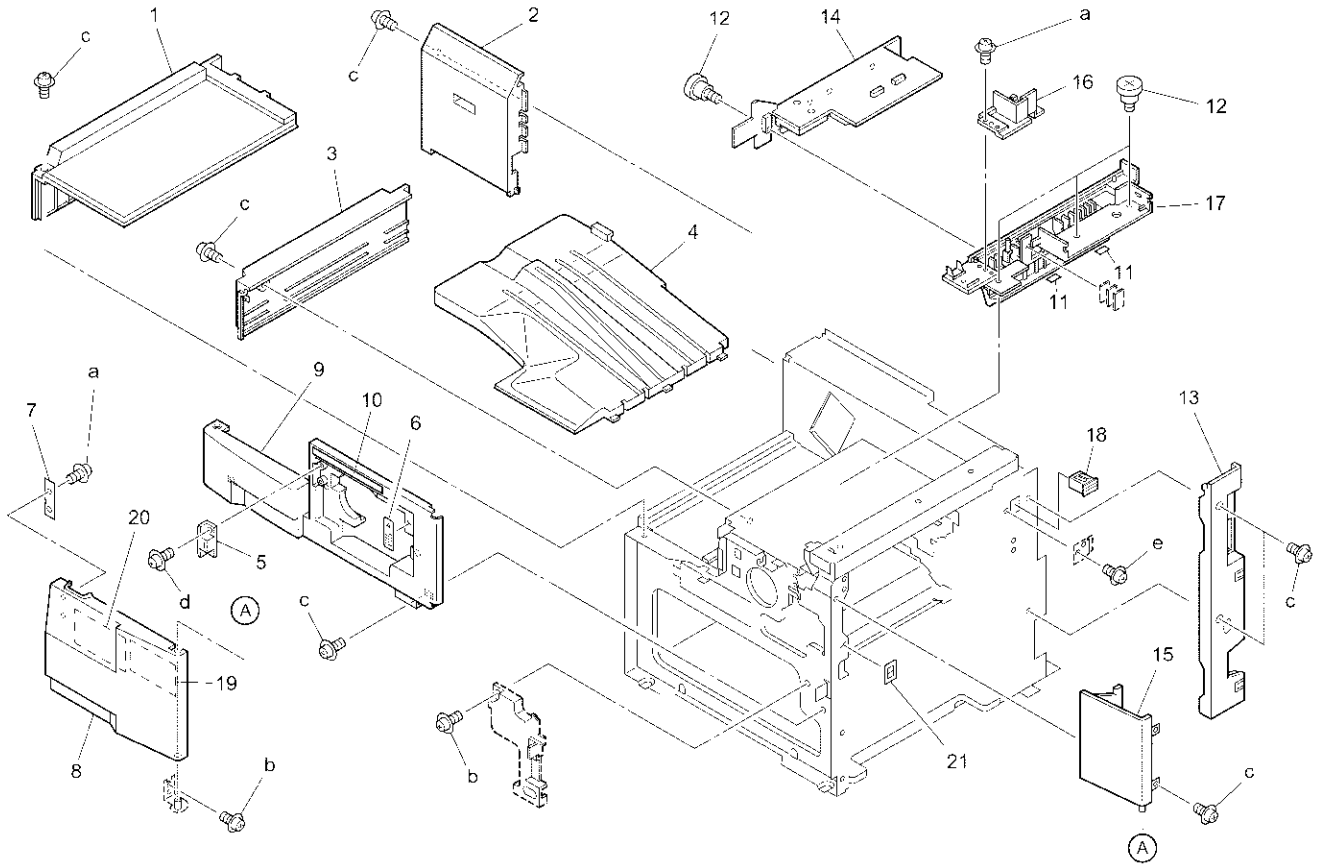
Main Frame



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 56AA85510 | Photosensor |
| 2 | 26NA80510 | Main body fan motor |
| 3 | 26NA10441 | Shaft support plate |
| 4 | 26NA73731 | Dust proof seal/5 |
| 5 | 26NA47350 | Cassette stopper |
| 6 | 26NA10310 | Lift-up cover |
| 7 | 26NA10070 | Cassette rail/left |
| 8 | 26NA-1060 | Lift up shaft/front assembly |
| 9 | 26NA-1070 | Lift up shaft/rear assembly |
| 10 | 25HA10292 | Main setting rubber |
| 11 | 26NA10181 | Lock part |
| 12 | 26NA10062 | Cassette rail/right |
| 13 | 26NA10350 | Rail/left |
| 14 | 26NA10360 | Rail/right |
| 15 | 26NA73680 | Dust proof filter |
| 16 | 26WA90330 | Wiring/3 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z283061 |
| b | 00Z193061 |
| c | 00Z183061 |
| d | 00Z163061 |
| e | 00Z183082 |
| f | 00Z253121 |
| g | 00Z193101 |

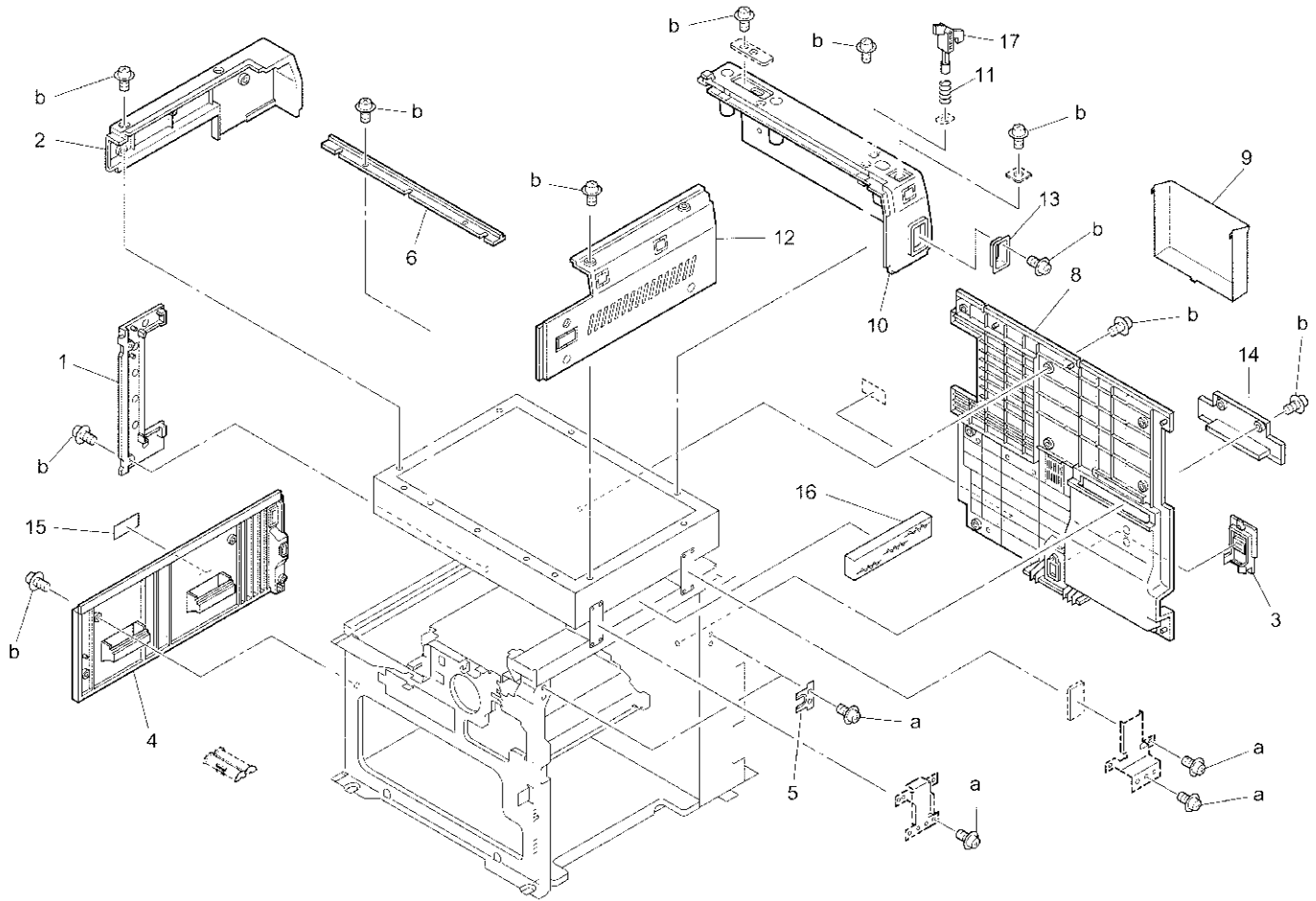
External Parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------|
| 1 | 26TA12021 | Main cover/upper |
| 2 | 26NA12040 | Side cover/rear |
| 3 | 26NA12120 | Main auxiliary cover |
| 4 | 26NA12111 | Paper exit tray |
| 5 | 083020140 | Stopper part |
| 6 | 26NE97181 | Laser caution label/3 |
| 7 | 26NA12401 | Magnet pressure plate |
| 8 | 26NE12081 | Front door/right |
| 9 | 26NA12011 | Main cover/front |
| 10 | 26NE97820 | Toner supply caution label |
| 11 | 26NA51010 | Conveyance guide sheet |
| 12 | 26NA12430 | External fixed screw |
| 13 | 26NA12031 | Rear cover/right |
| 14 | 26NA-1311 | Paper exit cover assembly |
| 15 | 26YE12130 | Front cover/upper |
| 16 | 26NA12460 | Cover/F |
| 17 | 26NA12063 | Paper exit guide cover |
| 18 | 26NE88310 | Total counter |
| 19 | 26NA97830 | Toner supply label/2 |
| 20 | 26NA97040 | Toner supply label |
| 21 | 26NE97140 | High voltage caution label |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193061 |
| c | 00Z193062 |
| d | 00Z243081 |
| e | 00Z283061 |

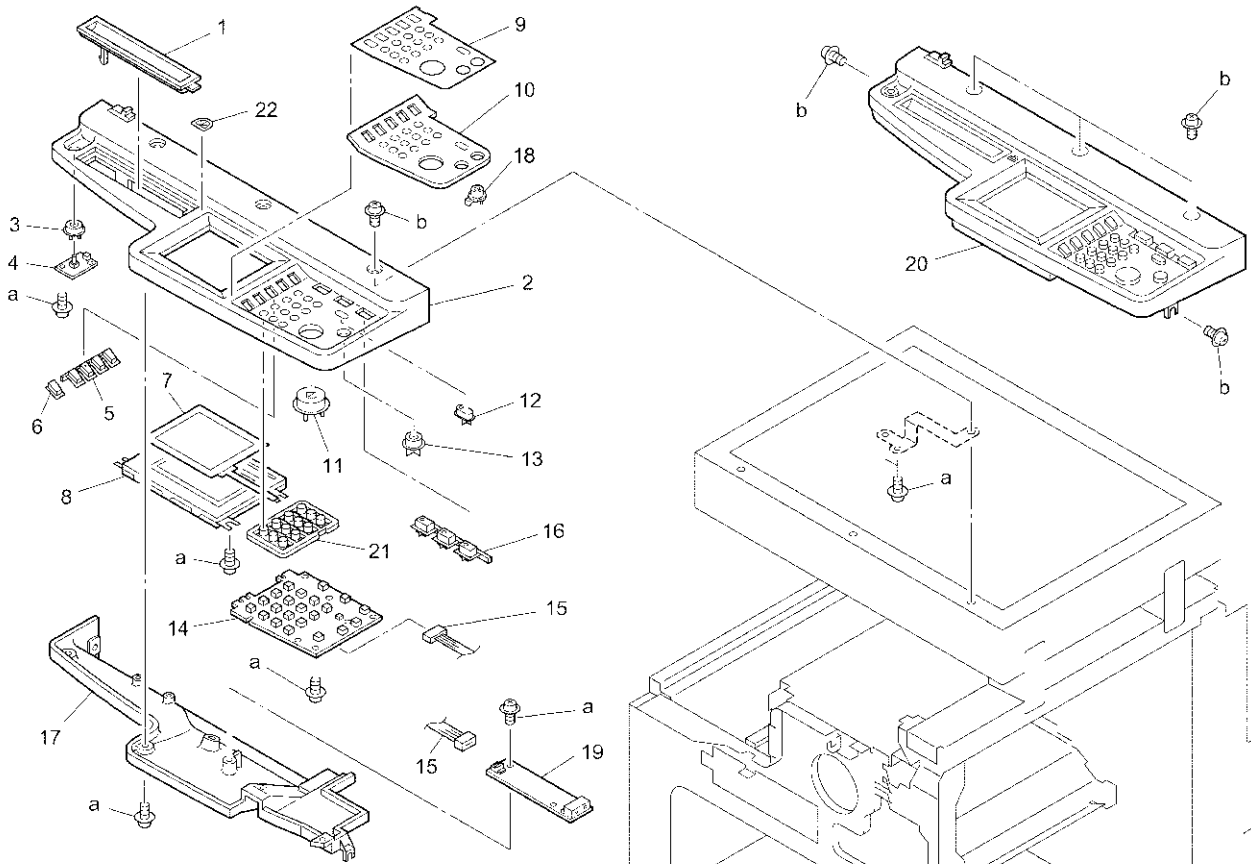
External Parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 26NA12161 | Rear cover/left |
| 2 | 26NA12240 | Reading cover/left |
| 3 | 26NA12190 | Cord cover/B |
| 4 | 26TA12050 | Side cover/left |
| 5 | 26NA12420 | Shaft guide cover |
| 6 | 26NA12210 | Reading cover/front |
| 7 | 26NA12550 | Spring regulating sheet |
| 8 | 40LA-1320 | Rear cover assembly |
| 9 | 26NA12540 | Accessories holding panel |
| 10 | 26NA12231 | Reading cover/rear |
| 11 | 26NA62130 | Detecting spring |
| 12 | 26NA-1260 | Reading/right external assembly |
| 13 | 26NA12450 | Cord cover/B |
| 14 | 26NA12180 | Cord cover/A |
| 15 | 26NA97080 | Laser indication label |
| 16 | 26TA10170 | Ozone filter |
| 17 | 26NA61820 | ADF detecting actuator |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z193062 |

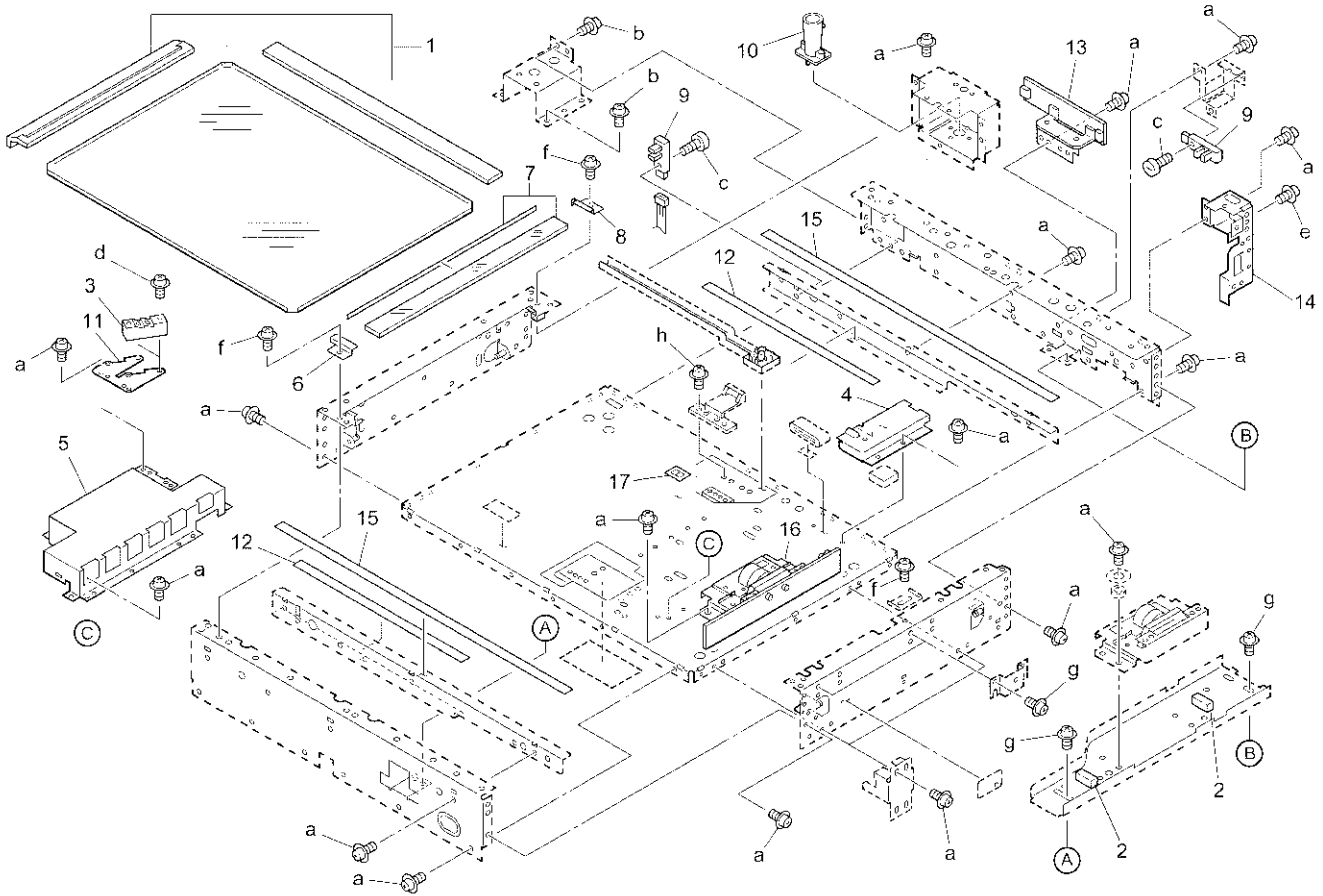
Operation Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------|
| 1 | 26NA12370 | Operation tray |
| 2 | 26NA70023 | Operation unit cover/upper |
| 3 | 26NA70181 | Operation unit button/H |
| 4 | 26NA-9060 | Power source control switch |
| 5 | 26NA70161 | Operation unit button/F |
| 6 | 26NA70172 | Operation unit button/G |
| 7 | 26NA87520 | Touch key board |
| 8 | 55FA-7020 | Indication board assembly |
| 9 | 26WE70041 | Operation unit sheet |
| 10 | 26WA70030 | Operation unit cover |
| 11 | 26NA70112 | Operation unit button/A |
| 12 | 26NA70131 | Operation unit button/C |
| 13 | 26NA70121 | Operation unit button/B |
| 14 | 26WA-9030 | Operation board/1 assembly |
| 15 | 26WA90160 | Operation wiring/2 |
| 16 | 26NA70151 | Operation unit button/E |
| 17 | 26NA12220 | Operation cover/lower |
| 18 | 26WA70190 | Operation unit button/I |
| 19 | 26WA83520 | Indication lighting |
| 20 | 26WE-7001 | Operation unit |
| 21 | 26NA70141 | Operation unit button/D |
| 22 | 26NA97130 | Machine label/3 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z193062 |

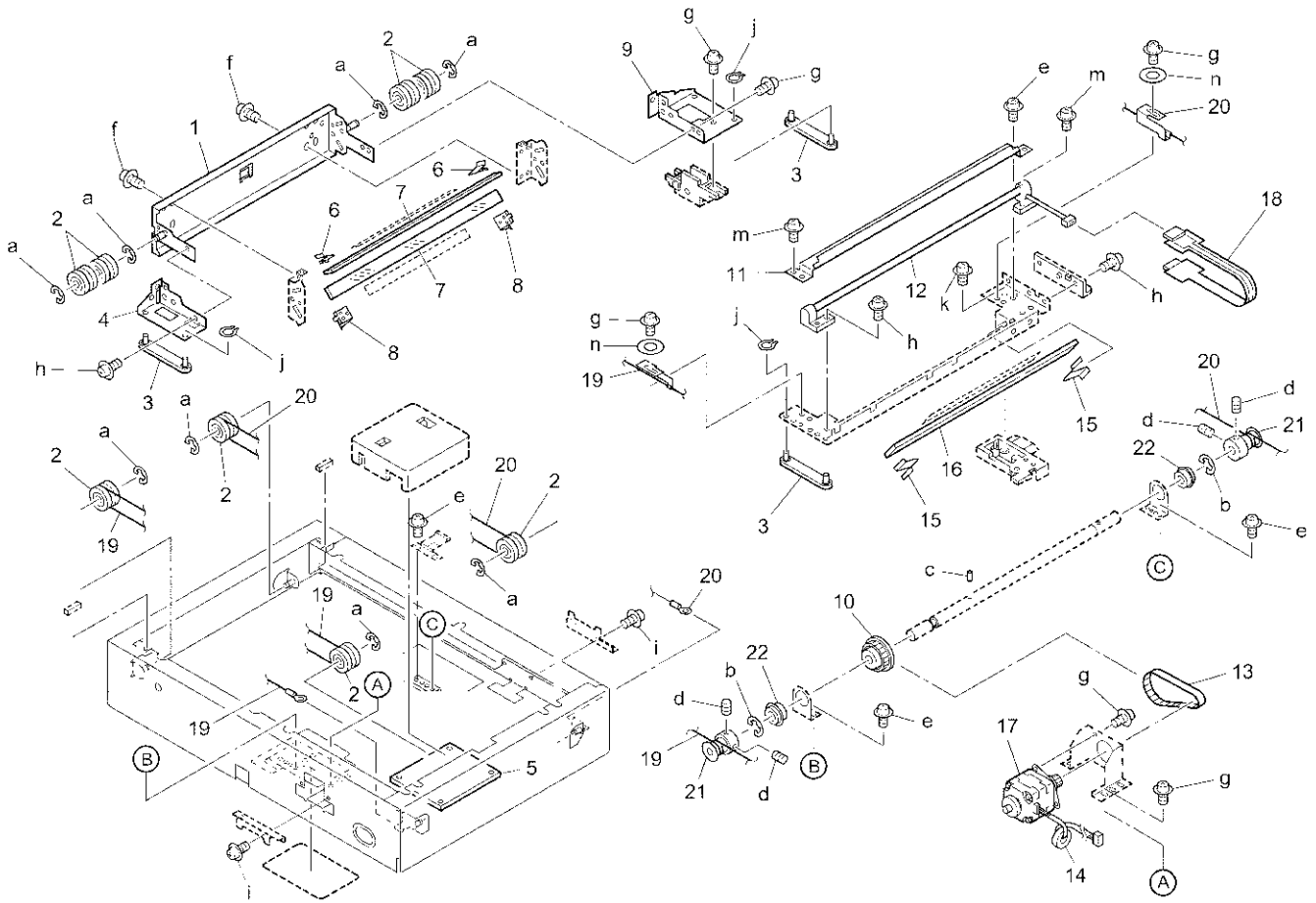
Optics Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA-6273 | Platen glass assembly |
| 2 | 26NA62451 | Ground spring/3 |
| 3 | 56AA85530 | APS sensor/2 |
| 4 | 26NA61811 | Wiring guide plate/1 |
| 5 | 26NA61731 | Lens cover |
| 6 | 26NA61300 | Glass holder plate/front |
| 7 | 40LA-6280 | Platen glass assembly/2 |
| 8 | 26NA61150 | Glass holder plate/rear |
| 9 | 56AA85510 | Photosensor |
| 10 | 26NA62050 | ADF guide block |
| 11 | 26NA61142 | Mounting plate |
| 12 | 26NA61840 | Optics slide sheet/2 |
| 13 | 26NA-6220 | Board mount plate/2 assembly |
| 14 | 26NA61120 | ADF mount plate/right |
| 15 | 26NA61830 | Optics slide sheet/1 |
| 16 | 26TA-6261 | CCD unit |
| 17 | 26NE97140 | High voltage caution label |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z283061 |
| c | 00Z183101 |
| d | 00Z183201 |
| e | 00Z253061 |
| f | 00Z193043 |
| g | 00Z163081 |
| h | 00Z193041 |

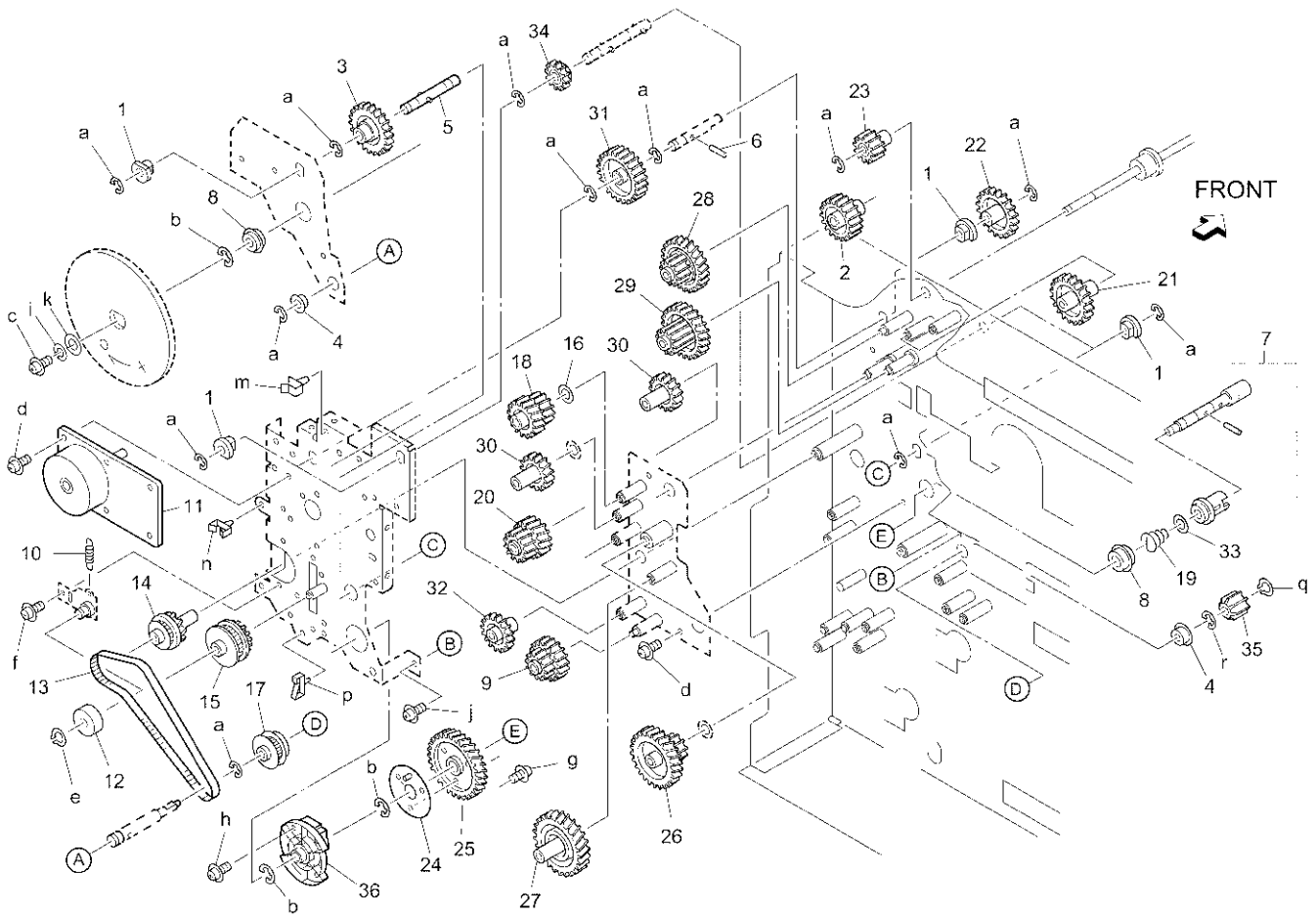
Optics Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26NA-6192 | Mirror mount plate/2 assembly |
| 2 | 26NA61940 | Wire pulley |
| 3 | 26NA61380 | Slide part |
| 4 | 26NA61560 | Optics slide plate/front |
| 5 | 26WA-9050 | Scanner driving board assembly |
| 6 | 26NA61610 | Mirror pressure spring/4 |
| 7 | 26NA61540 | Optics mirror/2 |
| 8 | 26NA61600 | Mirror pressure spring/3 |
| 9 | 26NA61551 | Optics slide plate/rear |
| 10 | 26TA61920 | Driving pulley (Z=70) |
| 11 | 26NA61370 | Reflect mirror |
| 12 | 26NA83010 | Exposure lamp |
| 13 | 26TA61930 | Motor belt (L=160.5) |
| 14 | 580388410 | Ferrite core |
| 15 | 26NA61410 | Mirror pressure spring |
| 16 | 26NA61340 | Optics mirror/1 |
| 17 | 26TA80020 | Scanner driving motor |
| 18 | 26NA-9511 | Powering board assembly |
| 19 | 26NA61221 | Optics wire/front |
| 20 | 26NA61211 | Optics wire/rear |
| 21 | 26NA61200 | Wire driving pulley |
| 22 | 540076050 | Driving shaft holder |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z713186 |
| d | 00Z474063 |
| e | 00Z193041 |
| f | 00Z183101 |
| g | 00Z163061 |
| h | 00Z163081 |
| i | 00Z193061 |
| j | 00Z660306 |
| k | 00Z253061 |
| m | 00Z183031 |
| n | 00Z610421 |

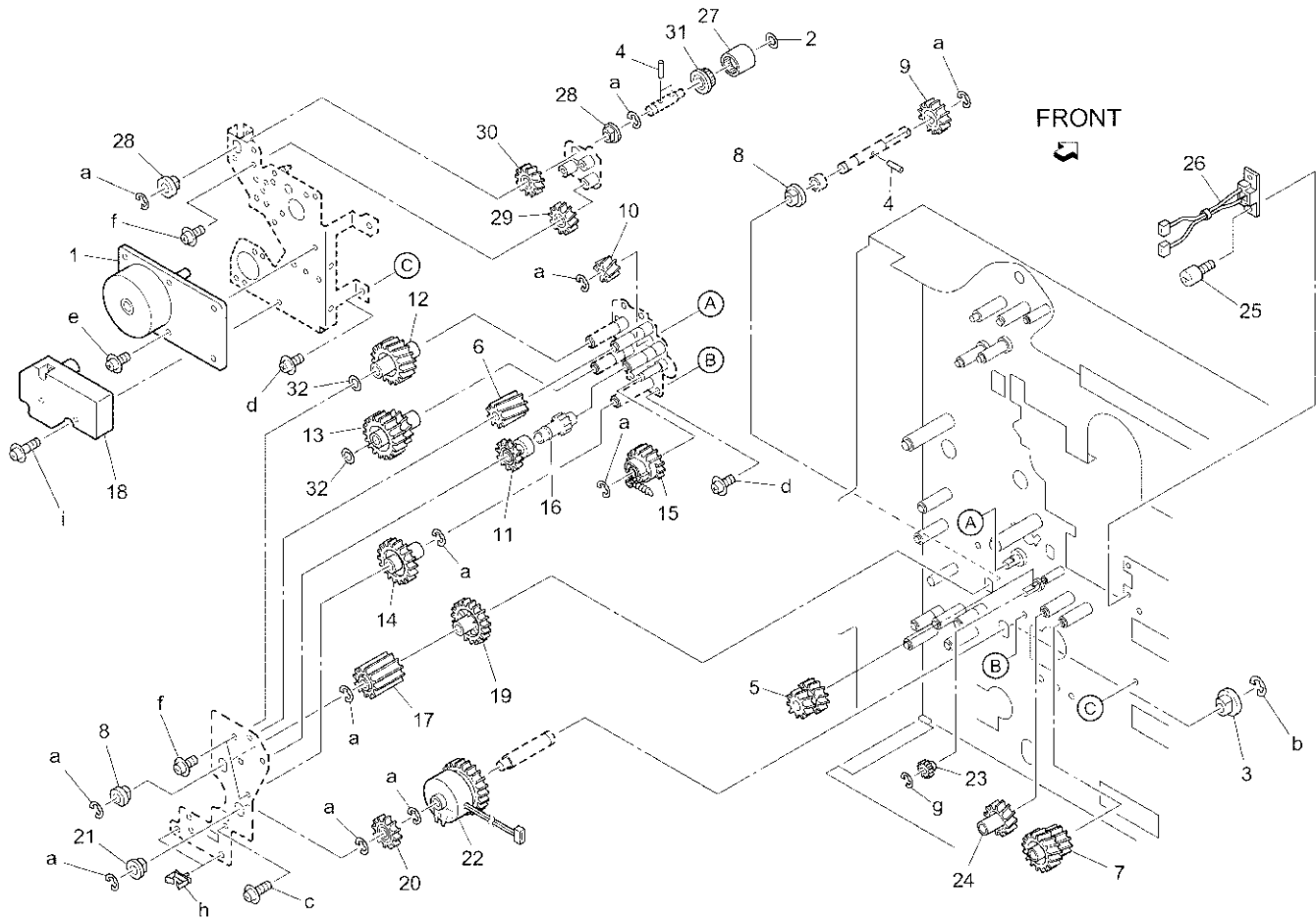
Driving Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 466076020 | Paper feeding shaft holder |
| 2 | 26NA16120 | Idler gear/B (Z=43) |
| 3 | 26NA15690 | Collecting gear (Z=54) |
| 4 | 26NA17280 | Developing drive shaft holder |
| 5 | 26NA-1540 | Collecting shaft assembly |
| 6 | 113620600 | Pin (A) |
| 7 | 26NA-1531 | Drum input shaft assembly |
| 8 | 26NA53590 | Fixing shaft holder/lower |
| 9 | 26NA16150 | Idler gear/D (Z=27/45) |
| 10 | 26NA17270 | Tension spring |
| 11 | 26TA80010 | Drum driving motor |
| 12 | 26NA17610 | Tension roller |
| 13 | 26TA17141 | Belt (L=380) |
| 14 | 26NA15550 | Gear/F (Z=32/34) |
| 15 | 26NA15680 | Gear/Q (Z=23/23) |
| 16 | 190041410 | Polyslider |
| 17 | 26TA15750 | Agitating gear/A (Z=45) |
| 18 | 26NA15520 | Gear/C (Z=32/50) |
| 19 | 26NA15200 | Coupling spring |
| 20 | 26NA15540 | Gear/E (Z=32/35) |
| 21 | 26NA17250 | Gear/X (Z=45) |
| 22 | 26TA15730 | Gear/J (Z=35) |
| 23 | 26NA15740 | Paper exit gear (Z=26) |
| 24 | 26NA-1560 | Drive plate assembly |
| 25 | 26NA15600 | Drum driving gear (Z=108) |
| 26 | 26NA15500 | Gear/A (Z=26/97) |
| 27 | 26NA15510 | Gear/B (Z=97) |
| 28 | 26NA15760 | Gear/R (Z=21/50) |
| 29 | 26NA15560 | Gear/G (Z=24/49) |
| 30 | 26NA15630 | Gear/M (Z=34) |
| 31 | 26NA15580 | Gear/H (Z=55) |
| 32 | 26NA16140 | Idler gear/C (Z=35) |
| 33 | 26NA30870 | Spring spacer |
| 34 | 26TA15080 | Gear/D (Z=26) |
| 35 | 26NA17580 | Agitating coupling/B |
| 36 | 26NA-1570 | Dumper plate assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z184081 |
| d | 00Z193043 |
| e | 00Z680806 |
| f | 00Z163061 |
| g | 00Z193041 |
| h | 00Z253081 |
| i | 00Z620401 |
| j | 00Z193061 |
| k | 00Z610401 |
| m | 00Z926903 |
| n | 00Z921302 |
| p | 00Z921941 |
| q | 00Z600306 |
| r | 00Z670306 |

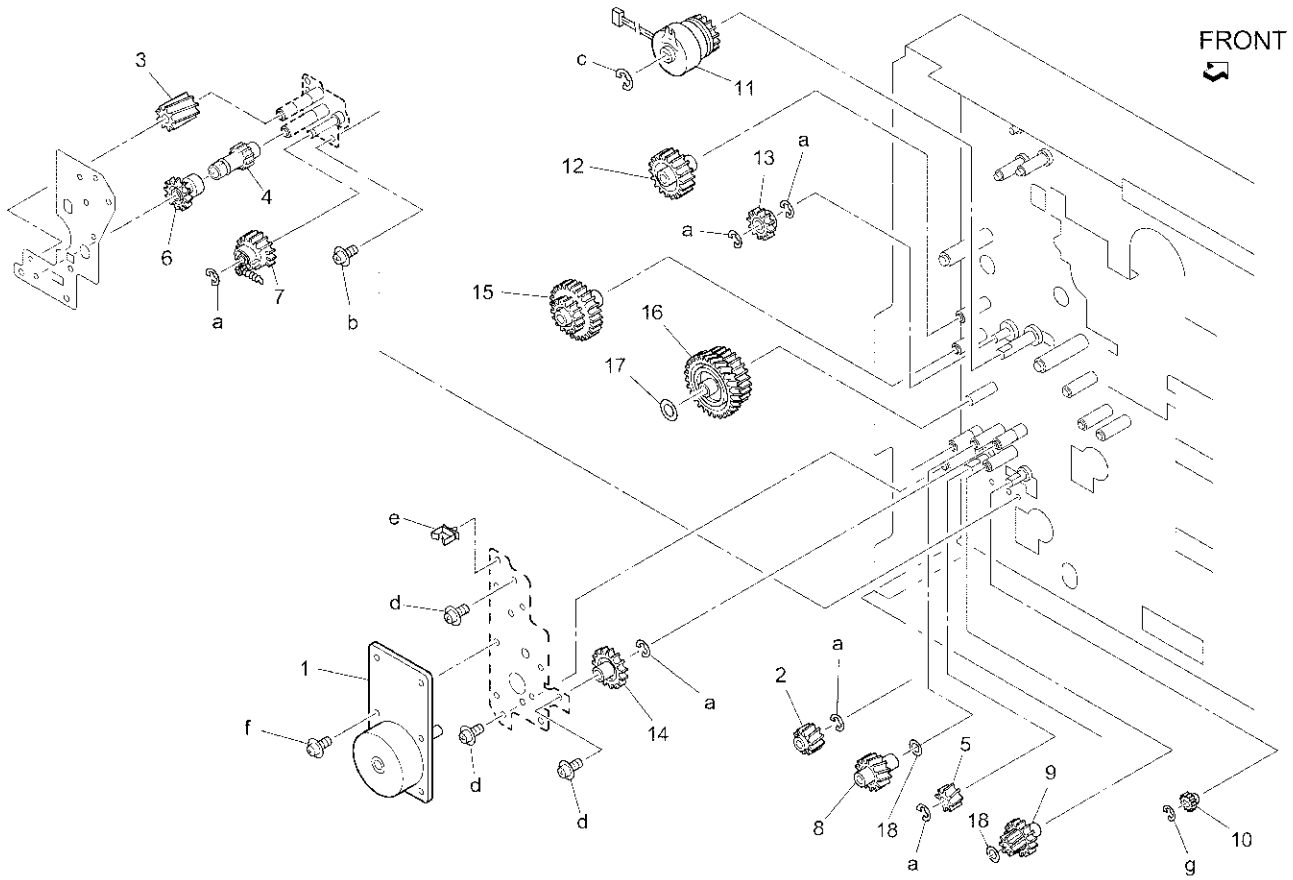
Driving Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26WA80011 | DC brushless motor/20 |
| 2 | 26NA17590 | Spacer/B |
| 3 | 26NA40820 | Paper feed slide shaft holder |
| 4 | 113620600 | Pin (A) |
| 5 | 26NA17060 | Developing drive gear/3 (Z=25/28) |
| 6 | 26NA16270 | Idler gear/L (Z=16) |
| 7 | 26NA17040 | Developing drive gear/1 (Z=23/52) |
| 8 | 26NA76010 | Paper feed shaft holder |
| 9 | 26NA17600 | Manual feed driving gear/2 |
| 10 | 26NA16260 | Driving gear (Z=15) |
| 11 | 26NA17480 | Paper feed coupling gear/A (Z=25) |
| 12 | 26NA16301 | Idler gear/O (Z=35) |
| 13 | 26NA16211 | Idler gear/G (Z=21/35) |
| 14 | 26NA16200 | Idler gear/F (Z=41) |
| 15 | 26NA-1680 | Paper feed gear/2 assembly |
| 16 | 26NA17490 | Paper feed coupling gear/B (Z=20) |
| 17 | 26NA16160 | Manual feed driving gear/1 (Z=25) |
| 18 | 26NA80041 | Cassette driving motor |
| 19 | 26NA16170 | Idler gear/E (Z=45) |
| 20 | 26NA16190 | Gear (Z=25) |
| 21 | 684276031 | Paper exit shaft holder |
| 22 | 26NA82020 | Paper feed clutch |
| 23 | 26NA16310 | Paper feed gear (Z=20) |
| 24 | 26NA17050 | Developing drive gear/2 (Z=27) |
| 25 | 066079020 | Drawer |
| 26 | 26TA90340 | Developing relay wiring |
| 27 | 26NA17570 | Developing input coupling/B |
| 28 | 322076010 | Paper lift-up lever shaft holder |
| 29 | 26NA17550 | Developing drive gear/7 (Z=39) |
| 30 | 26NA17540 | Developing drive gear/6 (Z=32) |
| 31 | 26NA17560 | Developing input coupling/A |
| 32 | 40LA17400 | Driving spacer/1 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z193181 |
| d | 00Z283061 |
| e | 00Z193043 |
| f | 00Z193061 |
| g | 00Z670306 |
| h | 00Z921322 |
| i | 00Z193121 |

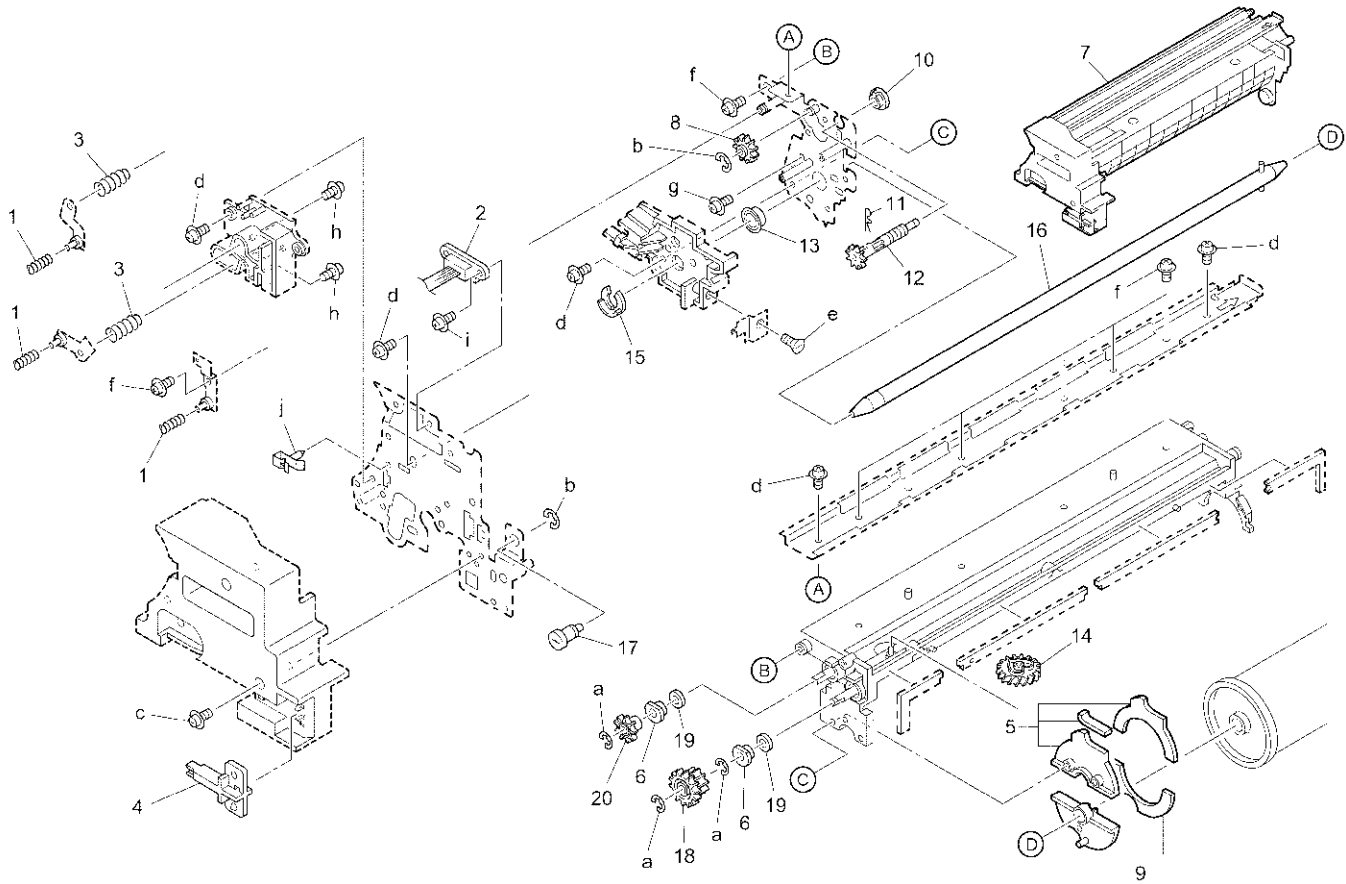
Driving Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 26WA80011 | DC brushless motor/20 |
| 2 | 26NA16250 | Idler gear/K (Z=20) |
| 3 | 26NA16270 | Idler gear/L (Z=16) |
| 4 | 26NA17490 | Paper feed coupling gear/B (Z=20) |
| 5 | 26NA16260 | Driving gear (Z=15) |
| 6 | 26NA17480 | Paper feed coupling gear/A (Z=25) |
| 7 | 26NA-1690 | Paper feed gear/3 assembly |
| 8 | 26NA16241 | Idler gear/J (Z=25) |
| 9 | 26NA16231 | Idler gear/I (Z=15/25) |
| 10 | 26NA16310 | Paper feed gear (Z=20) |
| 11 | 26NA82010 | Registration unit clutch |
| 12 | 26NA16120 | Idler gear/B (Z=43) |
| 13 | 26NA16130 | Clutch gear/1 (Z=27) |
| 14 | 26NA16220 | Idler gear/H (Z=33) |
| 15 | 26NA16110 | Idler gear/A (Z=27/54) |
| 16 | 26NA17260 | Paper feed driving gear (Z=52/97) |
| 17 | 190041410 | Polyslider |
| 18 | 40LA17400 | Driving spacer/1 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z283061 |
| c | 00Z670506 |
| d | 00Z193061 |
| e | 00Z921322 |
| f | 00Z193043 |
| g | 00Z670306 |

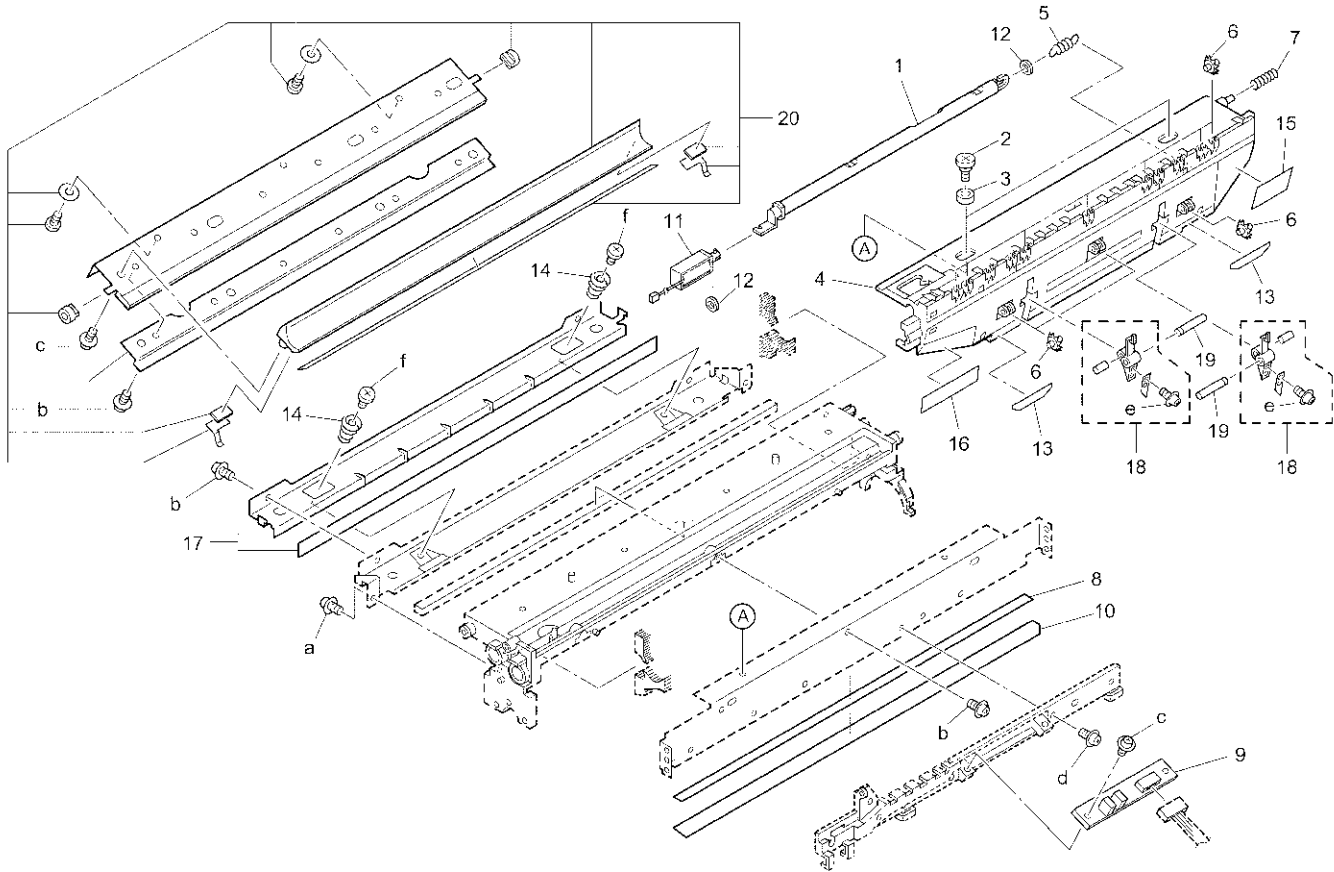
Drum Cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 392045260 | Electrode connecting spring (B) |
| 2 | 26TA90070 | Drum wiring |
| 3 | 40AA73191 | Charging input spring |
| 4 | 26NA21340 | Drum rotary part |
| 5 | 26NA-2110 | Blade seal block/F assembly |
| 6 | 26NA20140 | Screw shaft holder |
| 7 | 26WA-9900 | Drum unit assembly |
| 8 | 26NA20420 | Idler gear (Z=25) |
| 9 | 26NA-2290 | Blade seal block/1 assembly |
| 10 | 26NA20380 | Rocking shaft holder |
| 11 | 26NA20920 | Shaft fixed part |
| 12 | 26NA20570 | Separation rocking gear (Z=18) |
| 13 | 26NA21360 | Drum support shaft holder |
| 14 | 26NA20580 | Separation rocking cam |
| 15 | 26NA20940 | Drum support part |
| 16 | 26NA-2140 | Drum shaft assembly |
| 17 | 26NA21440 | Cartridge screw |
| 18 | 26NA20170 | Agitating gear (Z=19/30) |
| 19 | 26NA20710 | Felt/A |
| 20 | 26NA20160 | Screw gear (Z=24) |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193043 |
| d | 00Z193061 |
| e | 00Z263081 |
| f | 00Z253081 |
| g | 00Z253121 |
| h | 00Z183061 |
| i | 00Z193081 |
| j | 00Z921913 |

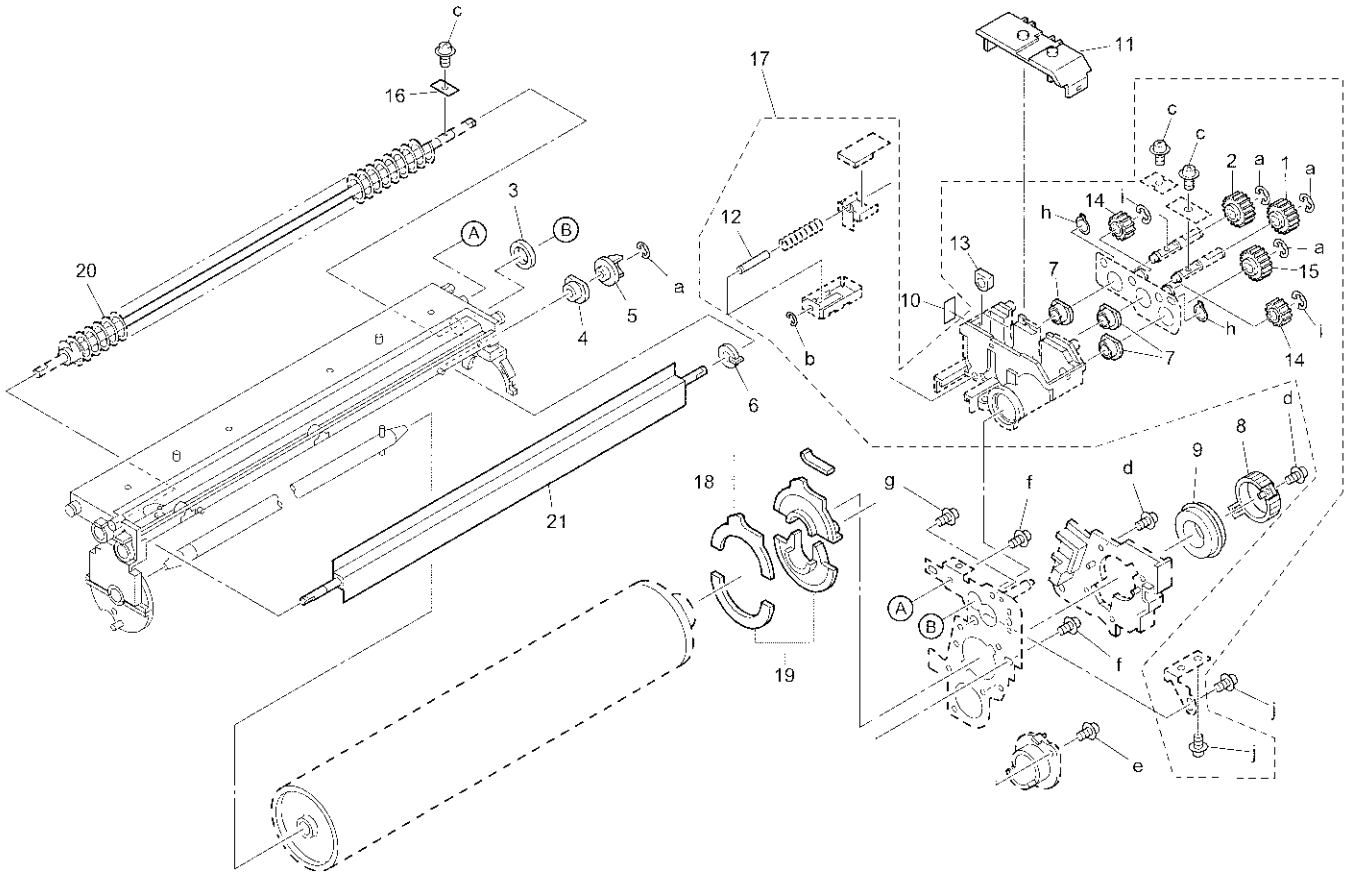
Drum Cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26NA20270 | Separate release lever |
| 2 | 26NA20310 | Separate rocking screw |
| 3 | 26NA20300 | Separate rocking collar |
| 4 | 26NA20241 | Separate guide plate |
| 5 | 40AA20230 | Separate release spring |
| 6 | 26TA20320 | Separate auxiliary roller |
| 7 | 26NA20290 | Separate rocking spring |
| 8 | 26NA21330 | Mounting sheet/B |
| 9 | 26NA-9180 | Toner detecting board assembly |
| 10 | 26NA20200 | Toner guide sheet |
| 11 | 26NA-2260 | Separate solenoid assembly |
| 12 | 26NA21380 | Solenoid seal |
| 13 | 26NA21400 | Paper guide sheet/A |
| 14 | 26TA20190 | Blade pressure spring |
| 15 | 26NA21420 | Paper guide sheet/C |
| 16 | 26NA21430 | Paper guide sheet/D |
| 17 | 26TA-2240 | Spewing preventive plate/A assembly |
| 18 | 26NA-2180 | Separate claw assembly |
| 19 | 40AA20170 | Separation fulcrum shaft |
| 20 | 26TA-2090 | Cleaning blade assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193043 |
| b | 00Z193061 |
| c | 00Z253081 |
| d | 00Z193041 |
| e | 00Z242061 |
| f | 00Z183061 |

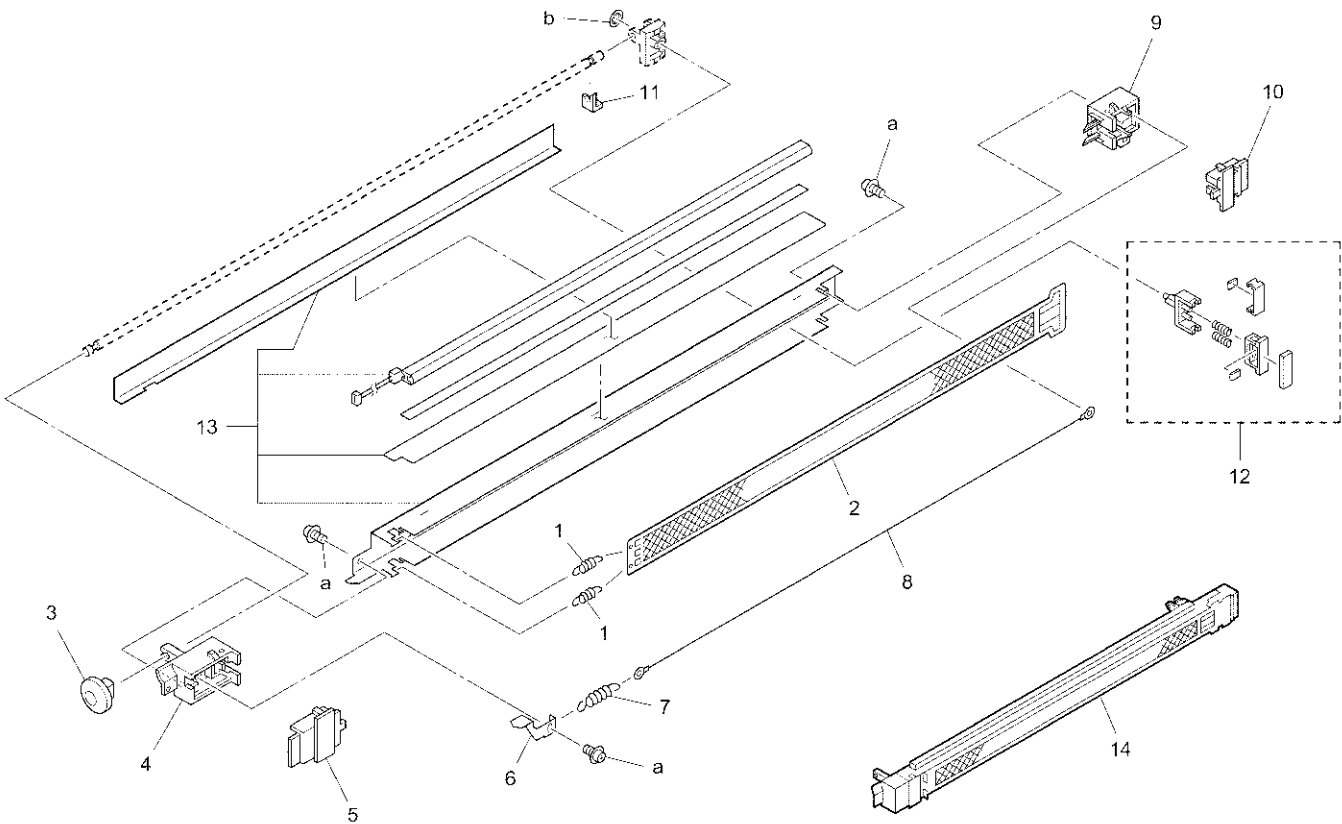
Drum Cartridge



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26TA21470 | Toner conveyance gear/2 (Z=18) |
| 2 | 26TA21480 | Toner conveyance gear/3 (Z=16) |
| 3 | 26NA20220 | Cleaner collect seal |
| 4 | 26NA20140 | Screw shaft holder |
| 5 | 26NA20560 | Toner collect coupling |
| 6 | 26NA21160 | Shaft holder spacer |
| 7 | 26NA21280 | Screw shaft holder/B |
| 8 | 26NA20250 | Shaft holder fulcrum part |
| 9 | 26NA20480 | Drum shaft holder/F |
| 10 | 26TA21611 | Spewing PV sheet/B |
| 11 | 26TA-2271 | Collect cover/C assembly |
| 12 | 26NA20870 | Cleaner auxiliary part |
| 13 | 26TA21540 | Recycling shaft holder |
| 14 | 26TA21490 | Toner conveyance gear/4 (Z=13) |
| 15 | 26TA21460 | Toner conveyance gear/1 (Z=19) |
| 16 | 26TA21510 | Agitator plate/A |
| 17 | 26TA-2050 | Screw guide/Rear assembly |
| 18 | 26NA-2120 | Blade seal block/R assembly |
| 19 | 26NA-2300 | Blade seal block/1 assembly |
| 20 | 26NA20070 | Toner collecting screw |
| 21 | 26NA20552 | Toner agitate shaft |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670206 |
| c | 00Z112021 |
| d | 00Z193061 |
| e | 00Z163061 |
| f | 00Z253101 |
| g | 00Z253121 |
| h | 00Z600306 |
| i | 00Z670256 |
| j | 00Z253081 |

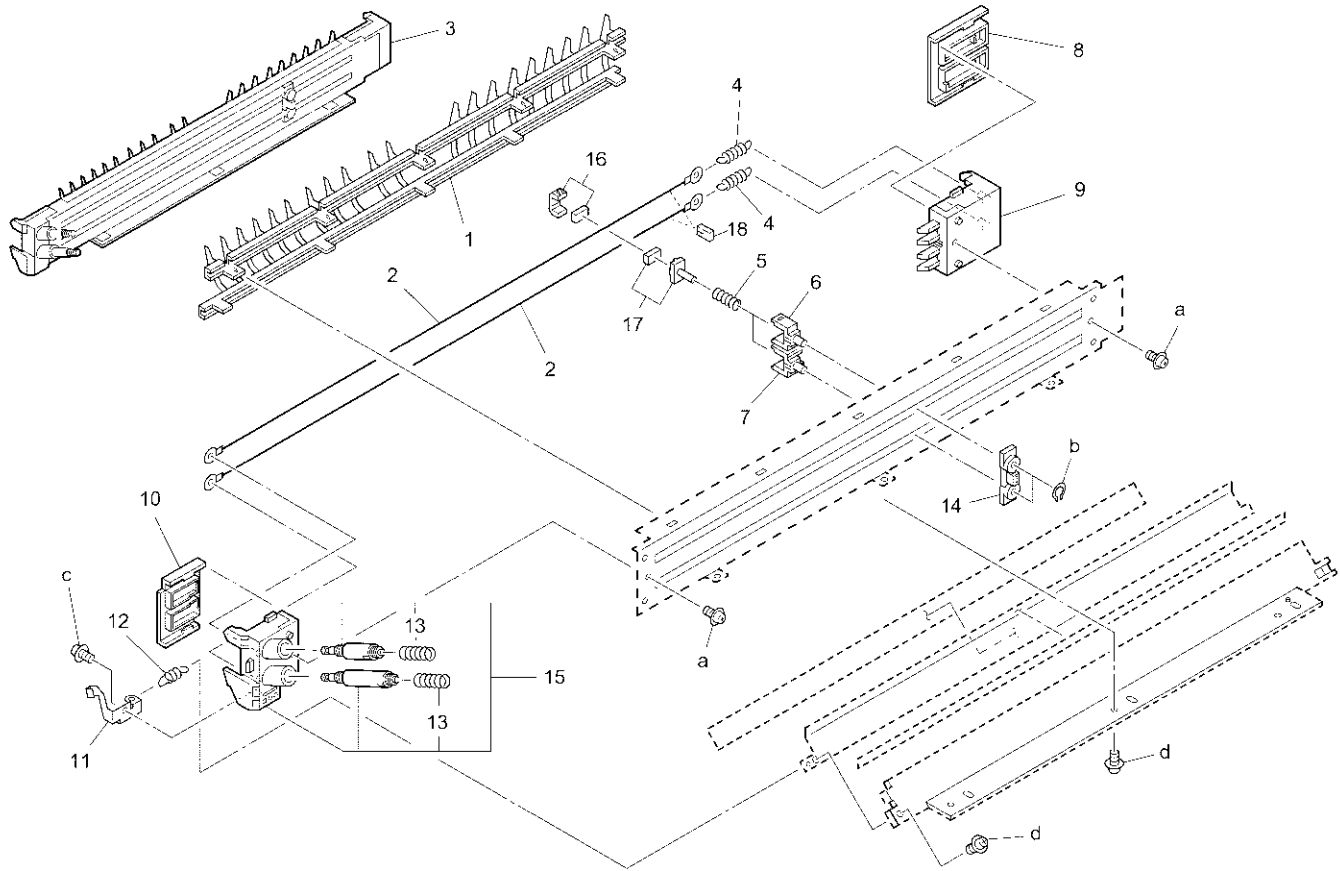
Charging Corona Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------|
| 1 | 26NA25180 | Charging spring |
| 2 | 26NA25160 | Charging control plate |
| 3 | 540025121 | Charging cleaning knob |
| 4 | 26NA25020 | Charging block/front |
| 5 | 26NA25040 | Spark arrester preventive plate/front |
| 6 | 26NA25070 | Charging electrode plate |
| 7 | 26NA25170 | Wire tension spring |
| 8 | 26NA25060 | Charging wire |
| 9 | 26NA25012 | Charging block/rear |
| 10 | 26NA25051 | Spark arrester preventive plate/rear |
| 11 | 25HA25100 | Shaft stopper part |
| 12 | 26NA-2520 | Charging cleaning assembly |
| 13 | 26NA-2510 | Charging discharge plate assembly |
| 14 | 26WA-2501 | Charging corona unit |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253061 |
| b | 00Z660306 |

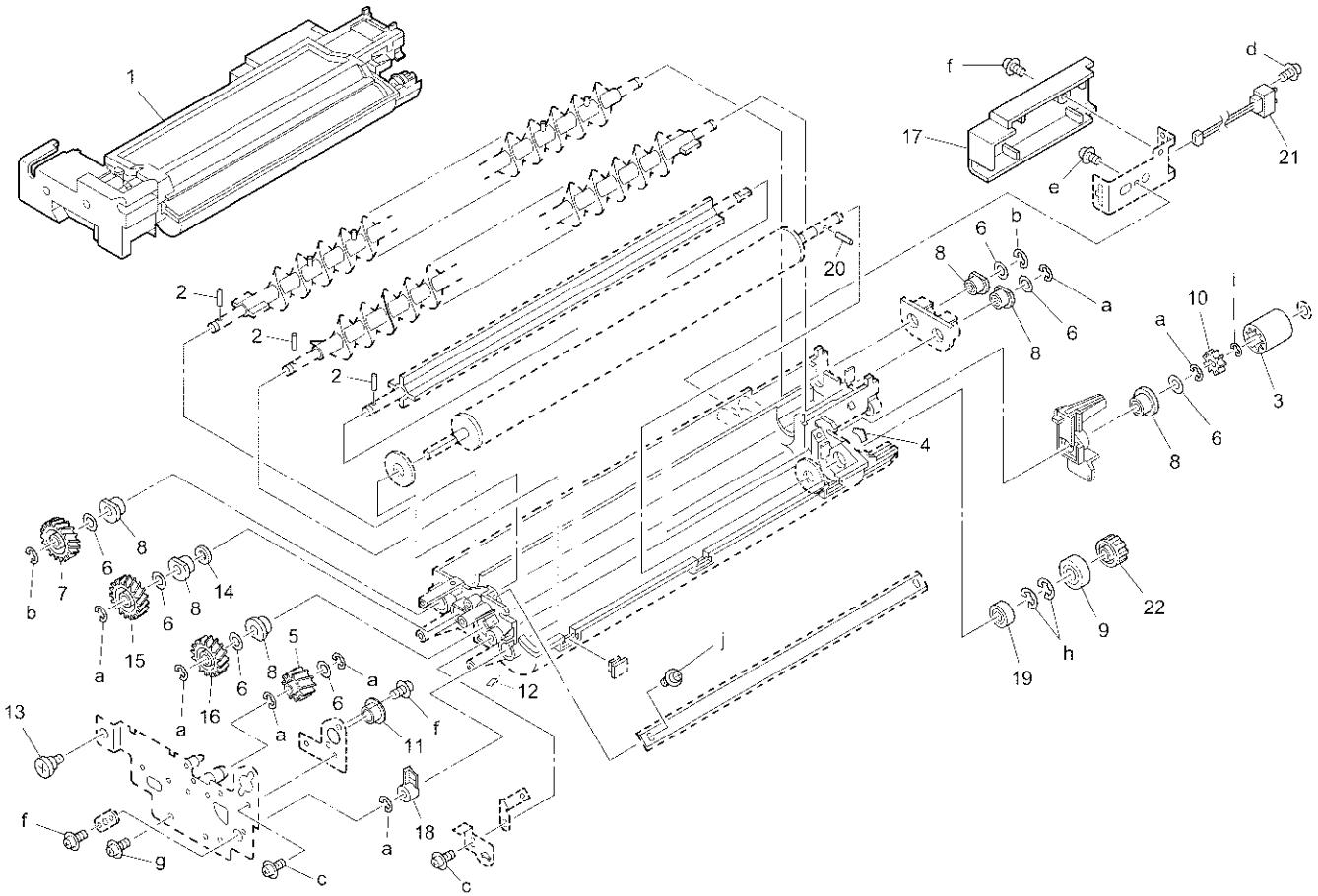
Transfer/Separator Corona Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------------|
| 1 | 26NA26190 | Separate bridge |
| 2 | 26NA26080 | Discharge wire |
| 3 | 26NA-2602 | Transfer separator corona unit |
| 4 | 26NA26230 | Wire tension spring |
| 5 | 26NA25130 | Cleaner pressure spring |
| 6 | 26NA26271 | Transfer cleaning part/E |
| 7 | 26NA26151 | Transfer cleaning part/B |
| 8 | 26NA26070 | Spark arrester preventive plate/rear |
| 9 | 26NA26041 | Transfer separator block/rear |
| 10 | 26NA26060 | Spark arrester preventive plate/front |
| 11 | 26NA26250 | Electrode plate |
| 12 | 26NA26260 | Electrode spring |
| 13 | 26NA73251 | Electrode connecting spring/A |
| 14 | 26NA26141 | Transfer cleaning part/A |
| 15 | 26NA-2620 | Transfer separator block/front |
| 16 | 26NA-2640 | Cleaner cover assembly |
| 17 | 26NA-2630 | Cleaner shaft assembly |
| 18 | 56AA17830 | Transfer holding rubber |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z600406 |
| c | 00Z24B061 |
| d | 00Z112031 |

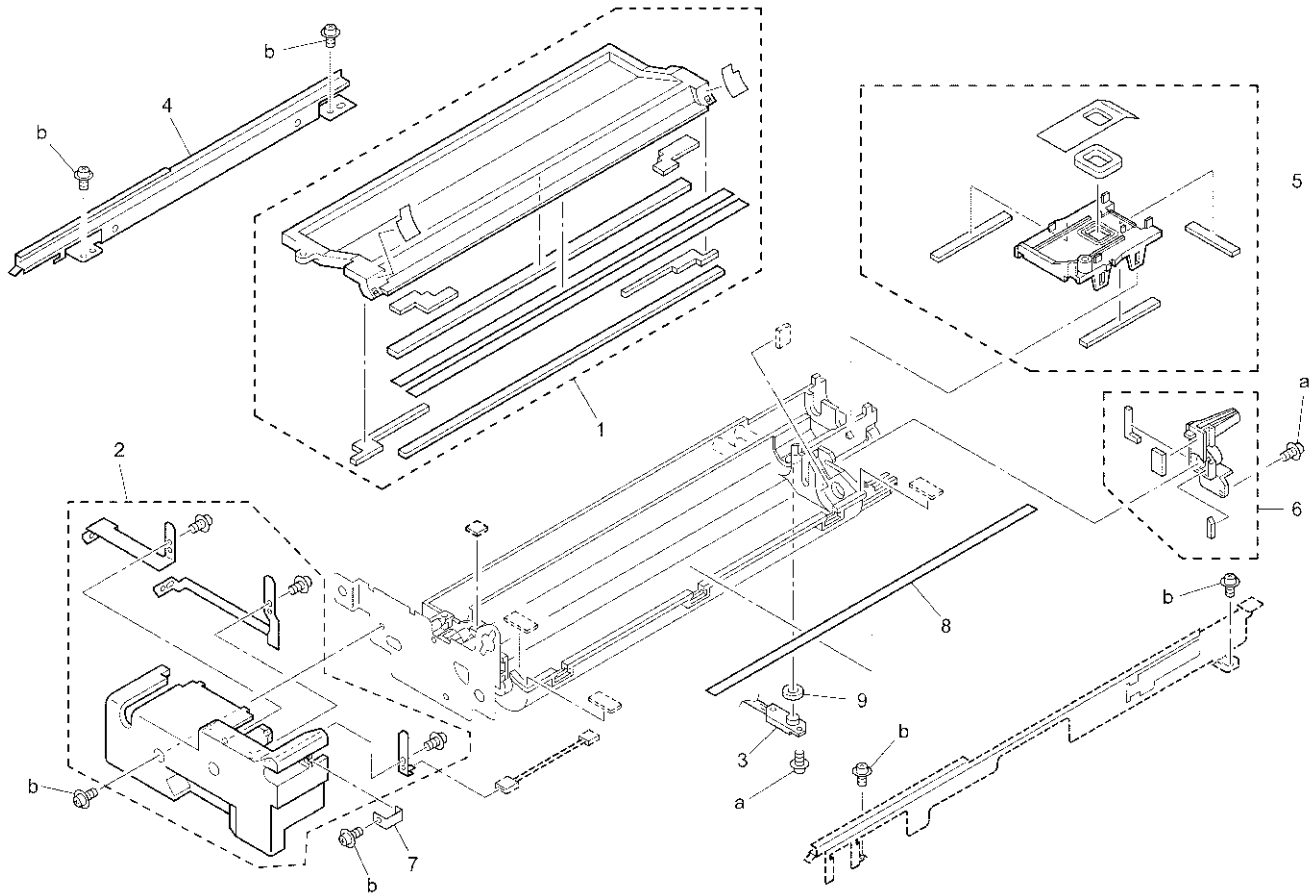
Developing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26TA-3001 | Developing unit |
| 2 | 466078010 | Pin (A) |
| 3 | 26NA30950 | Agitate coupling/A |
| 4 | 26NA30990 | Developing seal/U |
| 5 | 26NA30170 | Idler gear (Z=19) |
| 6 | 26NA30850 | Shaft holder spacer |
| 7 | 26NA30810 | Developing gear/C (Z=27) |
| 8 | 26NA30770 | Developing shaft holder |
| 9 | 26NA30660 | Developing guide shaft holder |
| 10 | 26NA30730 | Agitate coupling |
| 11 | 26NA21360 | Drum support shaft holder |
| 12 | 26NA30980 | Developing seal/T |
| 13 | 26NA31010 | Positioning screw |
| 14 | 26NA30940 | Developing seal/S |
| 15 | 26NA30150 | Agitate gear/B (Z=27) |
| 16 | 26NA30140 | Agitate gear/A (Z=27) |
| 17 | 26NA30490 | Developing electrode cover |
| 18 | 26NA30630 | Developing shaft holder/front |
| 19 | 26NA30650 | Developing shaft holder/rear |
| 20 | 113620600 | Pin (A) |
| 21 | 26TA90250 | Development wiring |
| 22 | 26NA30700 | Developing gear |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670506 |
| c | 00Z163061 |
| d | 00Z183061 |
| e | 00Z253061 |
| f | 00Z193061 |
| g | 00Z253081 |
| h | 00Z670606 |
| i | 00Z670306 |
| j | 00Z163081 |

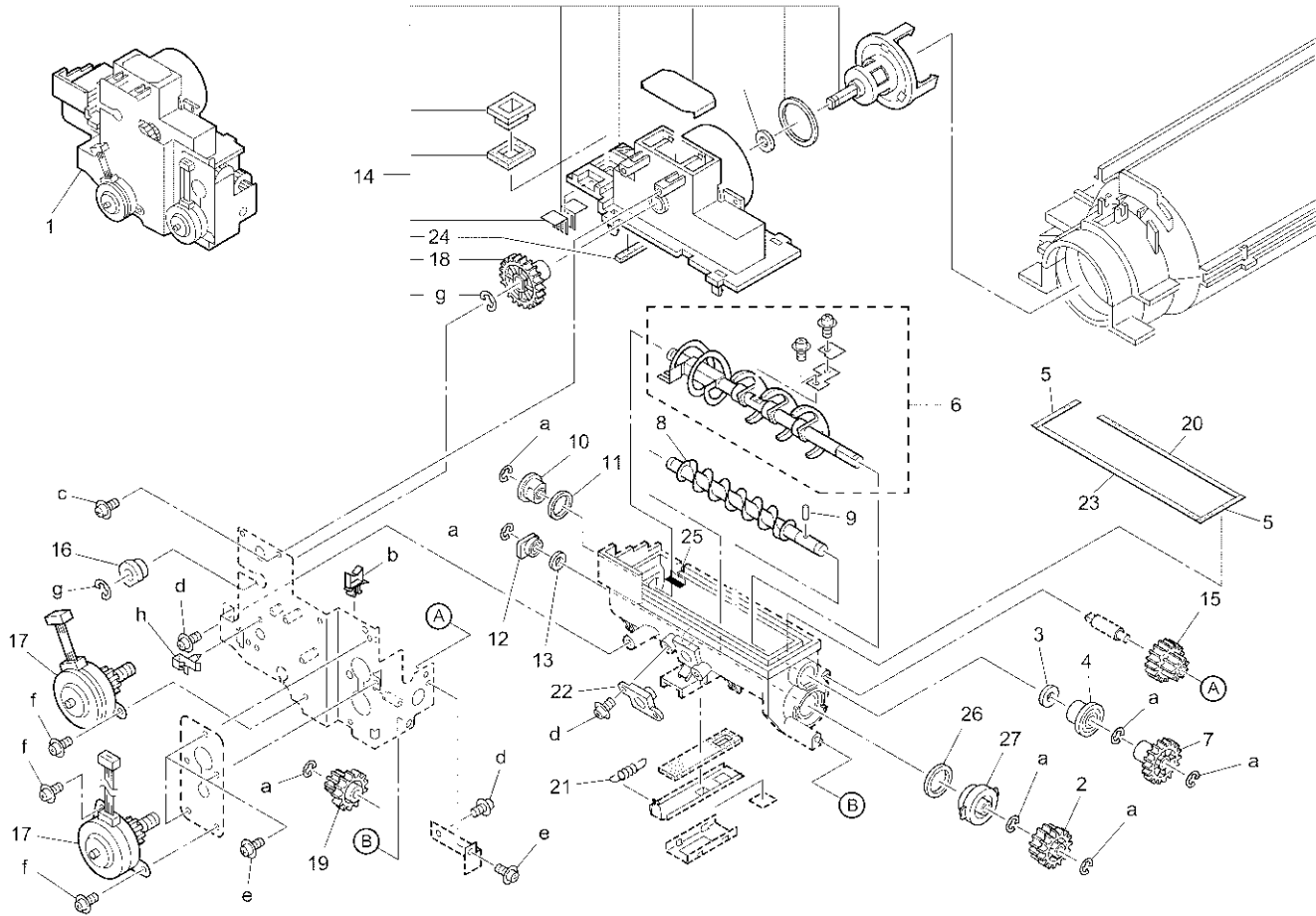
Developing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26TA-3061 | Developing cover assembly |
| 2 | 26NA-3040 | Developing cover assembly |
| 3 | 26NA88040 | Toner density sensor |
| 4 | 26NA30740 | Developing rail/left |
| 5 | 26NA-3050 | Developing cover part/A assembly |
| 6 | 26NA-3020 | Developing cover part/C assembly |
| 7 | 26NA30930 | Developing support stopper |
| 8 | 26NA30440 | Spewing preventive sheet/2 |
| 9 | 029420640 | L detecting seal |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253061 |
| b | 00Z193061 |

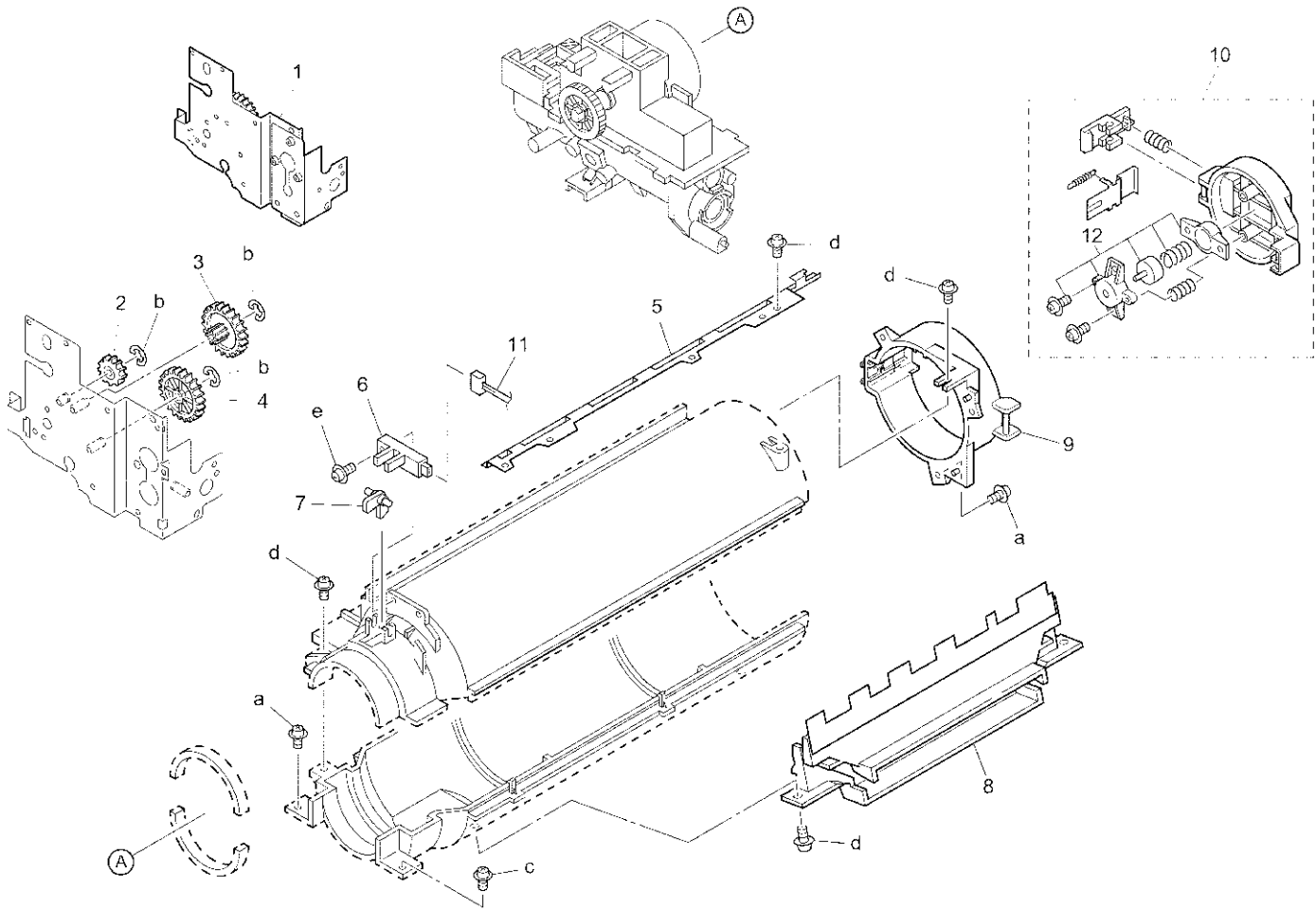
Toner Supply Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26WA-3200 | Toner supply unit |
| 2 | 26WA32510 | Toner conveyance gear/1 (Z=23/24) |
| 3 | 26NA32960 | Felt/C |
| 4 | 25HA32152 | Toner conveyance shaft holder/A |
| 5 | 26NA32930 | Toner supply seal/3 |
| 6 | 26WA-3250 | Agitate screw assembly |
| 7 | 26WA32530 | Toner conveyance gear/4 (Z=30) |
| 8 | 26NA32040 | Toner supply screw |
| 9 | 26NA32970 | Pin |
| 10 | 26NA32540 | Toner agitate shaft holder |
| 11 | 26NA32280 | Screw seal part/upper |
| 12 | 26NA32550 | Toner agitate shaft holder/rig |
| 13 | 26NA32200 | Screw seal part/lower |
| 14 | 26NA-3221 | Toner supply base/upper assembly |
| 15 | 26WA32520 | Toner conveyance gear/3 (Z=17/23) |
| 16 | 26NA32660 | Toner supply shaft holder |
| 17 | 26NA80060 | Toner supply motor |
| 18 | 26NA32590 | Toner supply regulating gear (Z=42) |
| 19 | 26NA32680 | Toner conveyance gear/5 (Z=16/23) |
| 20 | 26NA32920 | Toner supply seal/2 |
| 21 | 26NA32090 | Toner supply open-close spring |
| 22 | 40AA88030 | Remained detecting sensor |
| 23 | 26NA32910 | Toner supply seal/1 |
| 24 | 26NA32940 | Toner supply seal/4 |
| 25 | 26TA33010 | Toner agitate sheet/front |
| 26 | 26NA32270 | Screw seal part/middle |
| 27 | 26NA32560 | Toner agitate shaft holder/left |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z921301 |
| c | 00Z283061 |
| d | 00Z253081 |
| e | 00Z193041 |
| f | 00Z143041 |
| g | 00Z670506 |
| h | 00Z921941 |

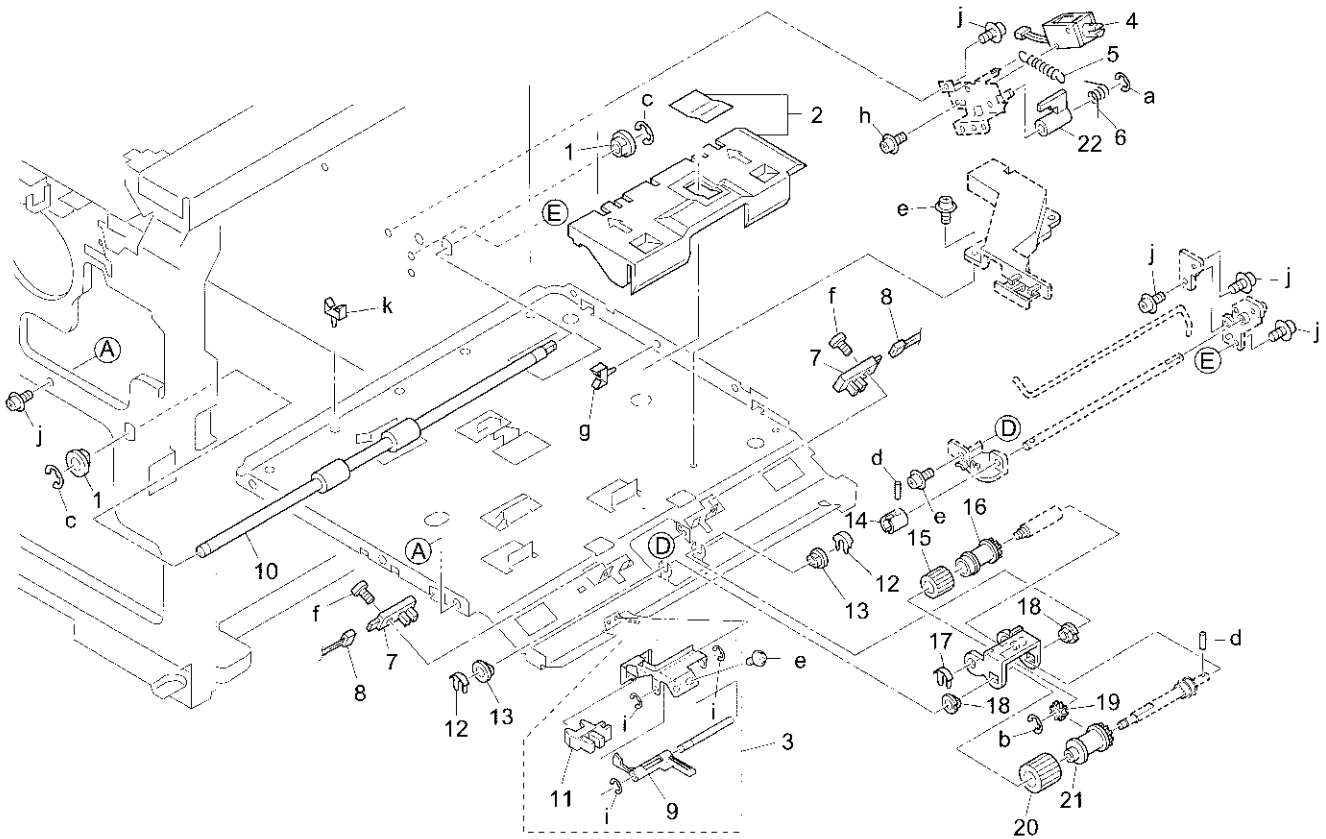
Toner Supply Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26TA-3230 | Toner supply driving assembly |
| 2 | 26TA32580 | Toner supply regulating gear (Z=18) |
| 3 | 26TA32640 | Toner supply gear/2 (Z=16/51) |
| 4 | 26TA32610 | Toner supply gear/1 (Z=23/51) |
| 5 | 26NA10350 | Rail/left |
| 6 | 56AA85510 | Photosensor |
| 7 | 26NA32230 | Detecting actuator/A |
| 8 | 26NE-7620 | Cooling cover/E assembly |
| 9 | 26YE-3340 | Toner supply guide part assembly |
| 10 | 26TA-3320 | Toner cartridge pressure assembly |
| 11 | 26WA90330 | Wiring/3 |
| 12 | 26TA-3330 | Pressure assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z283061 |
| b | 00Z670406 |
| c | 00Z194061 |
| d | 00Z253081 |
| e | 00Z253141 |

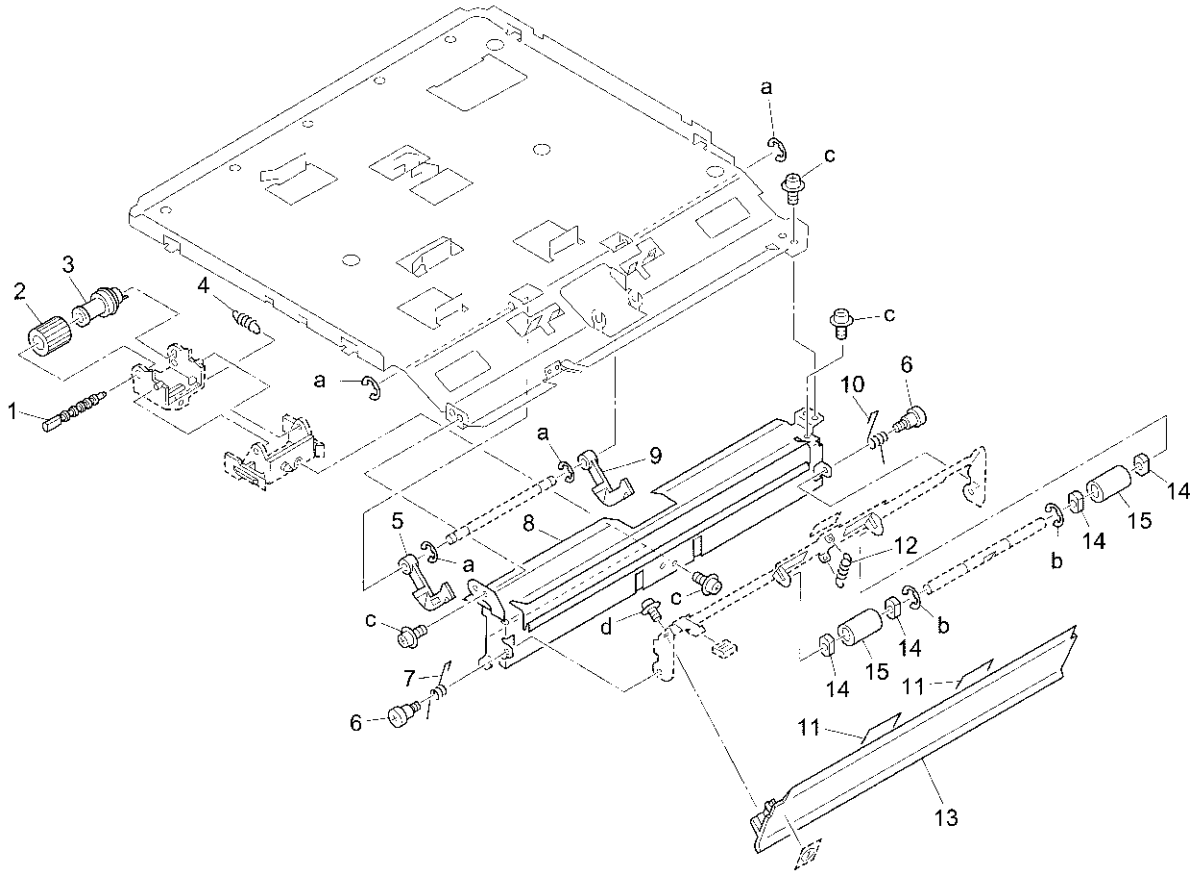
Paper Feed Unit (Upper)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA40820 | Paper feed slide shaft holder |
| 2 | 26PA-4141 | Toner cover assembly |
| 3 | 26XA-4050 | Sensor mounting plate/upper assembly |
| 4 | 26NA82511 | Paper feed solenoid |
| 5 | 26NA40810 | Paper feeding spring |
| 6 | 26NA40760 | Lever hold spring |
| 7 | 56AA85510 | Photosensor |
| 8 | 26XA90120 | Paper feed wiring/upper |
| 9 | 26XA40920 | Paper detecting actuator |
| 10 | 26WA40230 | Paper feed connecting roller/1 |
| 11 | 08AA85510 | Photosensor |
| 12 | 26NA40700 | Shaft positioning part |
| 13 | 540076010 | Paper feed shaft holder |
| 14 | 26NA40160 | Driving coupling |
| 15 | 26NA40090 | Paper feeding rubber |
| 16 | 26NA40080 | Feeding roller |
| 17 | 40AA40150 | Shaft positioning part |
| 18 | 40AA76040 | Feeding shaft holder |
| 19 | 26NA40510 | Paper feed idler gear (Z=17) |
| 20 | 26NA40110 | Double feed preventive rubber/upper |
| 21 | 26NA40101 | Double feed preventive roller/upper |
| 22 | 26NA40830 | Positioning arm |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| g | 00Z921942 |
| h | 00Z163051 |
| i | 00Z670206 |
| j | 00Z283061 |
| k | 00Z921302 |

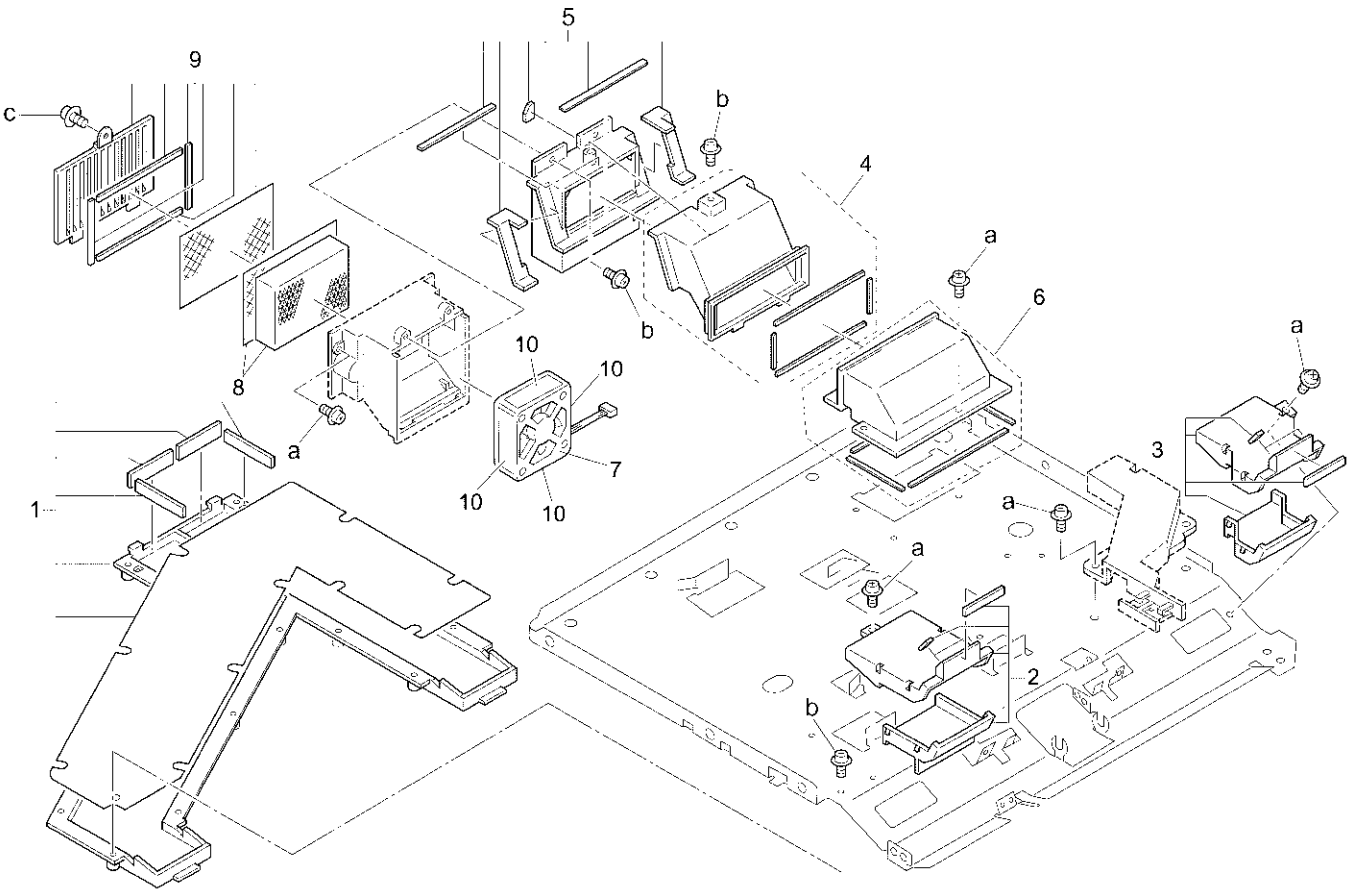
Paper Feed Unit (Upper)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 40AA40181 | Lever click shaft |
| 2 | 26NA40120 | Double feed preventive rubber/lower |
| 3 | 26NA40500 | Double feed preventive roller |
| 4 | 40AA40450 | Double feed pressure spring |
| 5 | 26NA40281 | Paper detecting actuator |
| 6 | 066079020 | Drawer |
| 7 | 26NA40631 | Paper feed pressure spring/front |
| 8 | 26PA40031 | Paper feed guide plate/upper |
| 9 | 26NA40751 | Paper detecting actuator/2 |
| 10 | 26NA40641 | Paper feed pressure spring/rear |
| 11 | 26NA40910 | Paper feed guide sheet/A |
| 12 | 26NA40261 | Conveyance pressure spring |
| 13 | 26NA40222 | Paper feed auxiliary part |
| 14 | 25AA75530 | Slide shaft holder |
| 15 | 26NA42560 | Manual feed driven roller |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193061 |
| d | 00Z253081 |

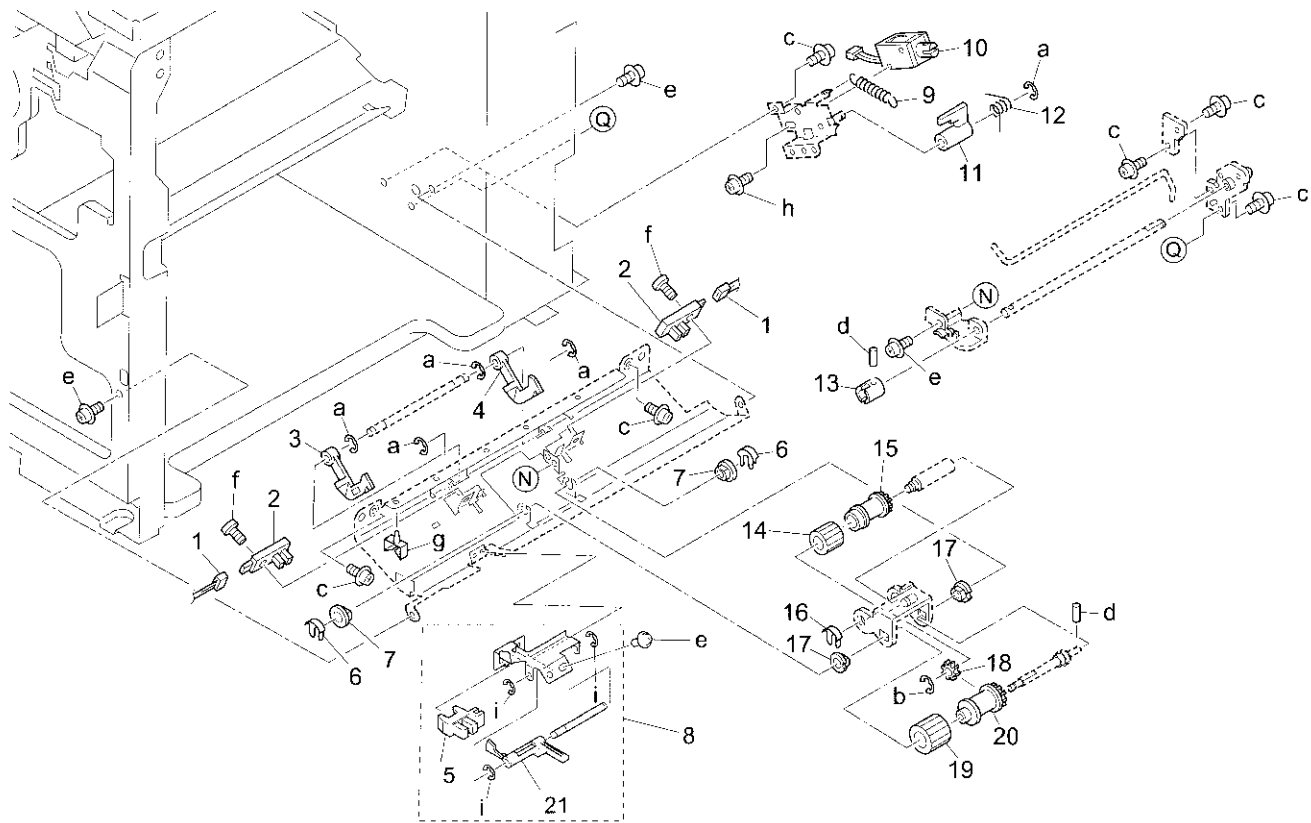
Suction Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 40LA-3160 | Suction cover sticking assembly |
| 2 | 40LA-3110 | Suction cover/2 assembly |
| 3 | 40LA-3120 | Suction cover/3 assembly |
| 4 | 40LA-3130 | Suction cover/6 assembly |
| 5 | 40LA-3150 | Fan cover/2 assembly |
| 6 | 40LA-3170 | Suction cover/5 sticking assembly |
| 7 | 26NA80510 | Main fan motor |
| 8 | 40LA-3180 | Suction filter/A assembly |
| 9 | 40LA-3140 | Filter cover assembly |
| 10 | 26NA73731 | Dust proof seal/5 |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z253081 |
| c | 00Z193062 |

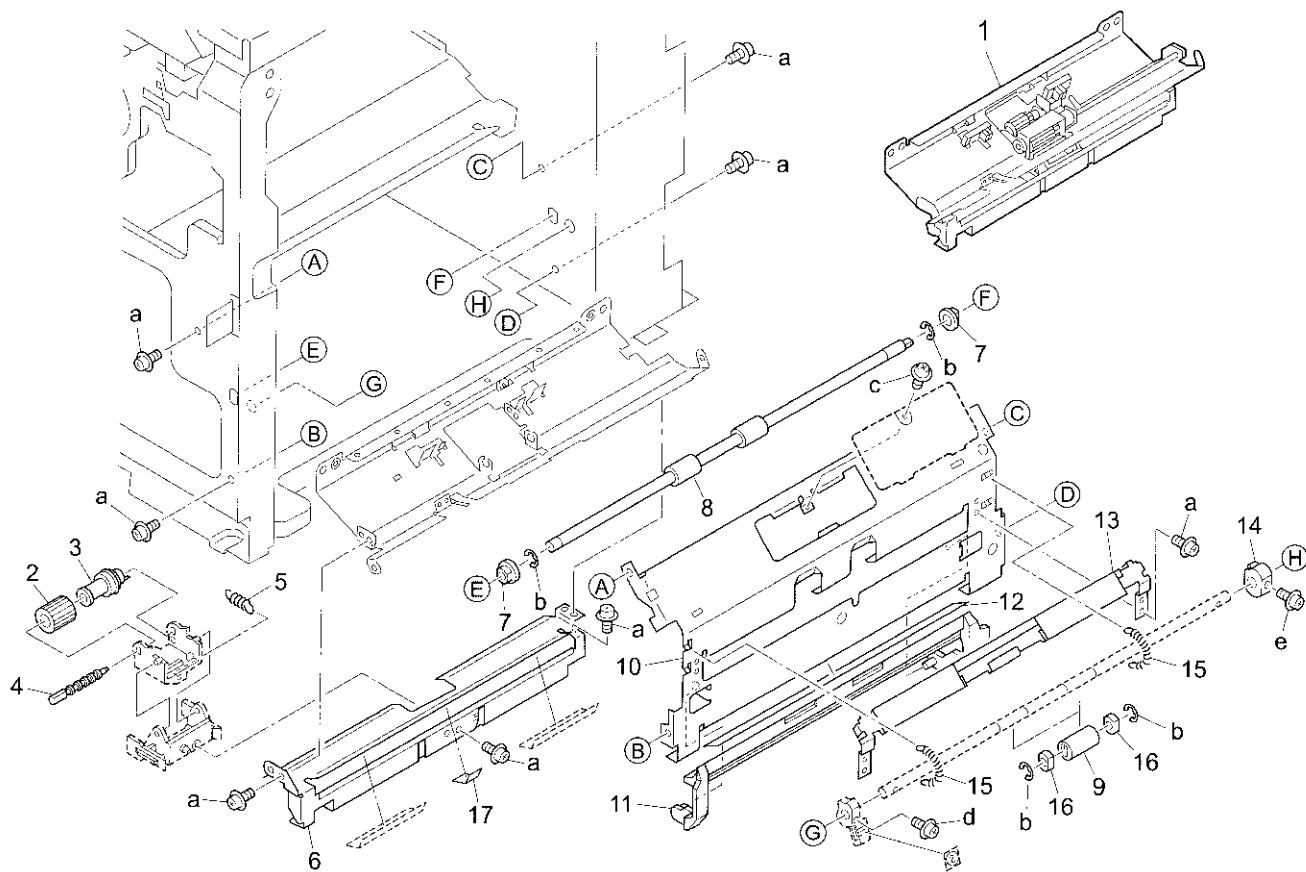
Paper Feed Unit (Lower)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26XA90130 | Paper feed wiring/lower |
| 2 | 56AA85510 | Photosensor |
| 3 | 26NA40281 | Paper detecting actuator |
| 4 | 26NA40751 | Paper detecting actuator/2 |
| 5 | 08AA85510 | Photosensor |
| 6 | 26NA40700 | Shaft positioning part |
| 7 | 540076010 | Paper feed shaft holder |
| 8 | 26XA-4060 | Sensor mounting plate/lower assembly |
| 9 | 26NA40810 | Paper feeding spring |
| 10 | 26NA82511 | Paper feed solenoid |
| 11 | 26NA40830 | Positioning arm |
| 12 | 26NA40760 | Lever hold spring |
| 13 | 26NA40160 | Driving coupling |
| 14 | 26NA40090 | Paper feeding rubber |
| 15 | 26NA40080 | Feeding roller |
| 16 | 40AA40150 | Shaft positioning part |
| 17 | 40AA76040 | Feeding shaft holder |
| 18 | 26NA40510 | Paper feed idler gear (Z=17) |
| 19 | 26NA40110 | Double feed preventive rubber/upper |
| 20 | 26NA40101 | Double feed preventive roller/upper |
| 21 | 26XA40920 | Paper detecting actuator |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z283061 |
| d | 00Z712106 |
| e | 00Z193061 |
| f | 00Z193101 |
| g | 00Z921942 |
| h | 00Z163051 |
| i | 00Z670206 |

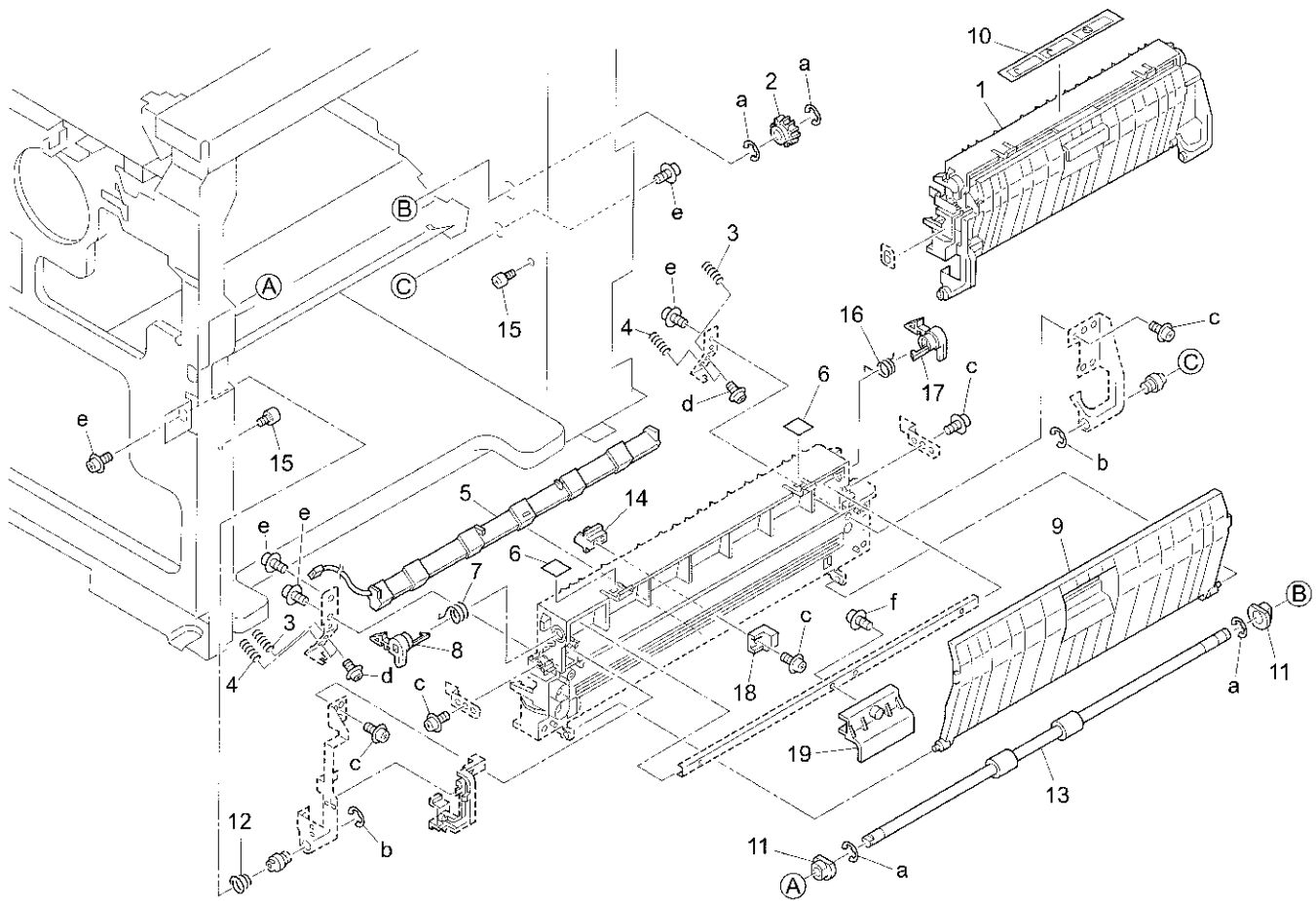
Paper Feed Unit (Lower)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26XA-4011 | Paper feed lower assembly |
| 2 | 26NA40120 | Double feed preventive rubber/lower |
| 3 | 26NA40500 | Double feed preventive roller |
| 4 | 40AA40181 | Lever click shaft |
| 5 | 40AA40450 | Double feed pressure spring |
| 6 | 26PA40741 | Paper feed guide plate/lower |
| 7 | 26NA40820 | Paper feed slide shaft holder |
| 8 | 26NA40671 | Paper feed connecting roller/2 |
| 9 | 26NA40681 | Paper feed driven roller/lower |
| 10 | 26NA40191 | Paper feed plate/right |
| 11 | 26NA40270 | Side guide plate |
| 12 | 26NA50352 | Guide sheet |
| 13 | 26NA-4160 | Paper feed enter plate assembly |
| 14 | 26NA40880 | Cam release part/rear |
| 15 | 26NA40720 | Paper feed conveyance spring |
| 16 | 26NA40890 | Slide shaft holder |
| 17 | 40LA40970 | Paper feed auxiliary sheet/middle |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z670606 |
| c | 00Z183061 |
| d | 00Z193141 |
| e | 00Z163121 |

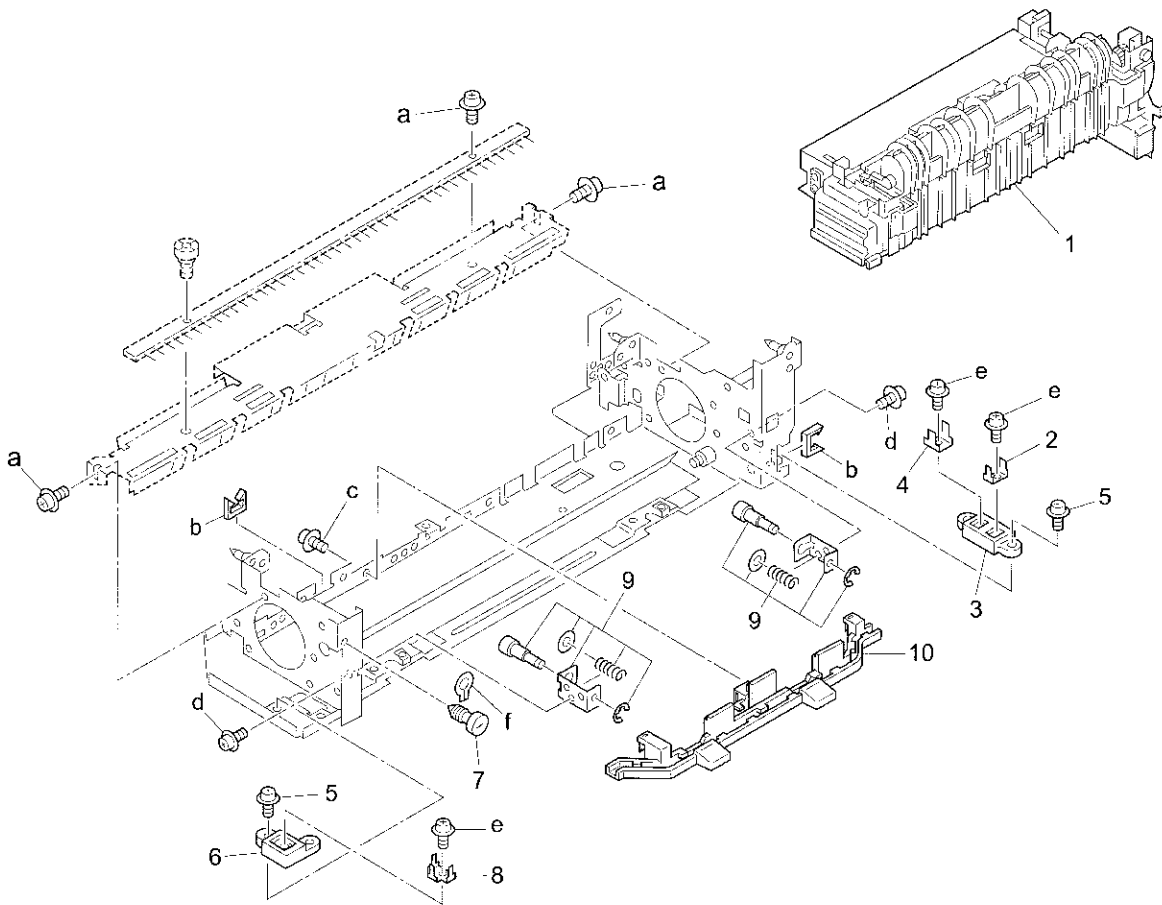
Conveyance Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------|
| 1 | 26NA-4503 | Conveyance unit |
| 2 | 26NA16130 | Clutch gear/1 (Z=27) |
| 3 | 26NA45490 | Lifting spring/2 |
| 4 | 26NA45071 | Lift-up spring |
| 5 | 26YA-4580 | PTL light shield assembly |
| 6 | 26NA97380 | Open-close label/lower |
| 7 | 26NA45330 | Lock spring/2 |
| 8 | 26NA45220 | Open-close lever |
| 9 | 26NA45340 | Conveyance guide part |
| 10 | 26NA97491 | Drum caution label |
| 11 | 466076020 | Paper feeding shaft holder |
| 12 | 26NA45290 | Ground spring |
| 13 | 26NA45030 | Conveyance roller |
| 14 | 26NA45401 | Guide part |
| 15 | 26NA45430 | Conveyance stopper |
| 16 | 26NA45320 | Lock spring/1 |
| 17 | 26NA45310 | Open-close lever/2 |
| 18 | 26NA45410 | Electrode cleaning knob |
| 19 | 26NA45350 | Conveyance knob |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z253081 |
| d | 00Z113041 |
| e | 00Z193061 |
| f | 00Z243061 |

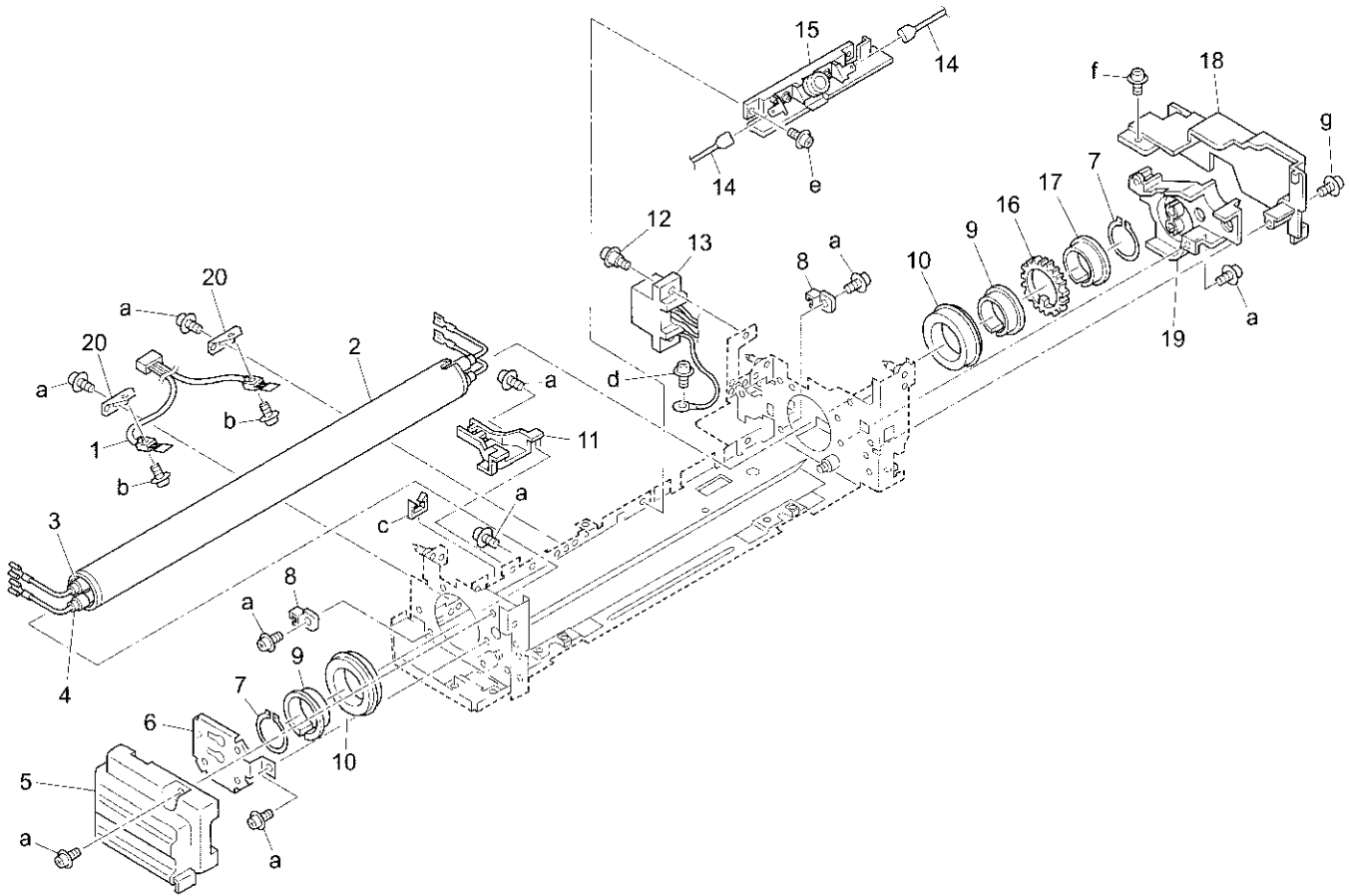
Fixing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------|
| 1 | 26YE-5300 | Fixing unit |
| 2 | 40AA53470 | Terminal plate/1 |
| 3 | 26NA53770 | Terminal plate/A |
| 4 | 26NA53740 | Terminal plate/A |
| 5 | 26NA54230 | Terminal fixing screw |
| 6 | 26NA53780 | Terminal plate/B |
| 7 | 26NA53931 | Fixed screw |
| 8 | 26NA54280 | Terminal plate |
| 9 | 26TA-5460 | Pressure spring assembly |
| 10 | 40LA54050 | Wiring guide part/B |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z163061 |
| b | 00Z921330 |
| c | 00Z193041 |
| d | 00Z183031 |
| e | 00Z153061 |
| f | 00Z600406 |

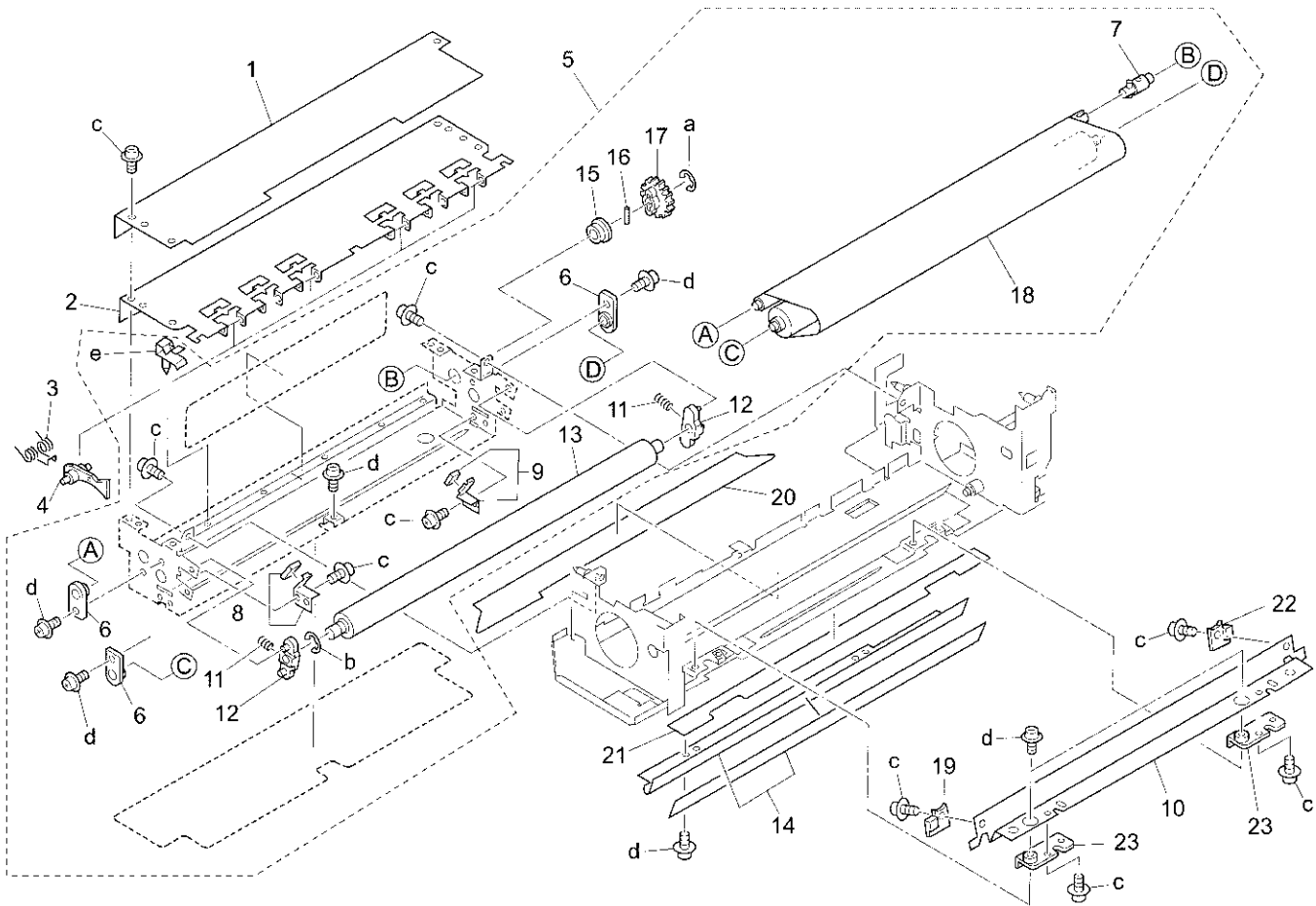
Fixing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------|
| 1 | 26NA88011 | Fixing sensor |
| 2 | 26YF53030 | Fixing roller/upper |
| 3 | 26NE83020 | Fixing heater/1 |
| 4 | 26NE83030 | Fixing heater/2 |
| 5 | 26NA53401 | Fixing cover/front |
| 6 | 26NA53890 | Lamp support part/front |
| 7 | 26NA53620 | Fixing fixed part |
| 8 | 26NA53211 | Wiring guide part/A |
| 9 | 26NA53720 | Heat insulating sleeve/A |
| 10 | 26NA53710 | Fixing shaft holder/upper |
| 11 | 26TA54150 | Wiring guide part/C |
| 12 | 26NA54030 | Mount screw |
| 13 | 40LA90050 | Fixing powering wiring |
| 14 | 26TA90040 | Fuse cord/1 |
| 15 | SP00-0110 | Fuse mount plate assembly |
| 16 | 26TA54060 | Fixing gear (Z=47) |
| 17 | 26NA53730 | Heat insulating sleeve/B |
| 18 | 26NA53411 | Fixing cover/rear |
| 19 | 26TA53900 | Lamp support part/rear |
| 20 | 26NA53151 | Mounting plate |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193041 |
| b | 00Z163101 |
| c | 00Z921330 |
| d | 00Z164061 |
| e | 00Z163061 |
| f | 00Z193061 |
| g | 00Z193251 |

Fixing Unit



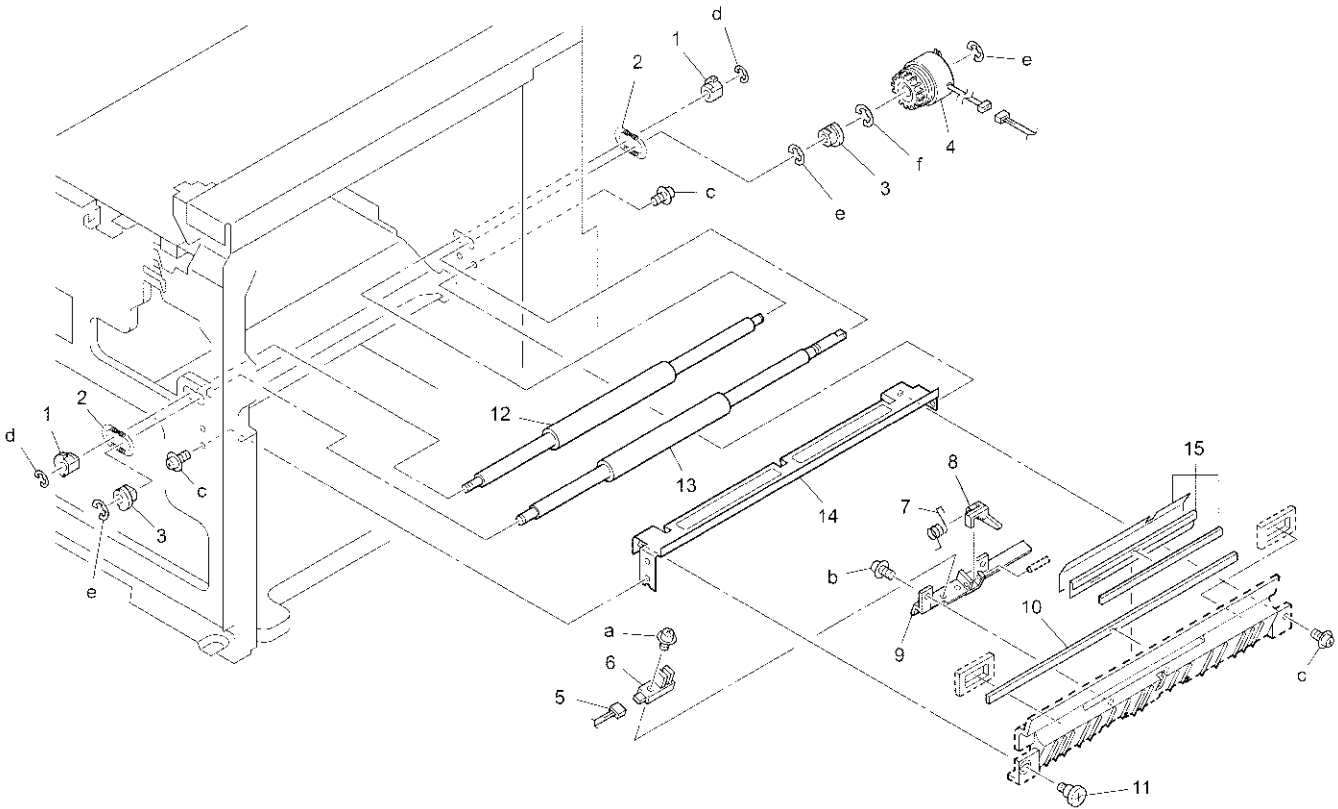
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------------|
| 1 | 26TA53560 | Heat insulating sheet/E |
| 2 | 26TA53271 | Cleaner cover |
| 3 | 26NA54160 | Separate spring |
| 4 | 26NA54270 | Fixing claw |
| 5 | 26TA-5400 | Cleaner assembly |
| 6 | 26NA53510 | Fixing cleaner shaft holder/B |
| 7 | 26NA-5430 | Cleaner driving shaft assembly |
| 8 | 26NA-5410 | Regulating plate/front assembly |
| 9 | 26NA-5420 | Regulating plate/rear assembly |
| 10 | 26NA53650 | Fixing entrance plate |
| 11 | 26NA53610 | Cleaner pressure spring |
| 12 | 26NA53490 | Fixing cleaner shaft holder/A |
| 13 | 26NA53830 | Fixing cleaner roller |
| 14 | 26TA-5481 | Fixing entrance plate/2 assembly |
| 15 | 26NA54300 | Fixing cleaner shaft holder/A |
| 16 | 113620600 | Pin (A) |
| 17 | 26TA53470 | Cleaner gear/B (Z=48) |
| 18 | 26NA53432 | Web |
| 19 | 26TA53680 | Pressure part/A |
| 20 | 26TA53250 | Fixing heat insulate sheet/B |
| 21 | 26NA53360 | Fixing heat insulate sheet/C |
| 22 | 26TA54010 | Pressure part/B |
| 23 | 26NA53790 | Heat insulating part |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z193041 |
| d | 00Z193061 |
| e | 00Z921930 |

| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-----------------------------------|
| 1 | 55VA85520 | Photosensor |
| 2 | 26TA90490 | Fixing relay wiring/2 |
| 3 | 26TA53171 | Fixing paper exit actuator |
| 4 | 26NA53700 | Pressure spring |
| 5 | 26TA53070 | Pressure arm/front |
| 6 | 26NE97470 | Lever indication label/5 |
| 7 | 26NA54070 | Lock part/front |
| 8 | 26NA53882 | Fixing guide part/2 |
| 9 | 26NA54110 | Open-close lever |
| 10 | 26NA54120 | Open-close spring |
| 11 | 26NA54080 | Lock part/rear |
| 12 | 26TA53040 | Fixing roller/lower |
| 13 | 26NA54100 | Lever shaft holder |
| 14 | 26NA53020 | Fixing guide part |
| 15 | 192141710 | Paper push up lever shaft holder |
| 16 | 26NA-5440 | Rotary shaft/A assembly |
| 17 | 26NA53931 | Fixed screw |
| 18 | 26TA53130 | Conveyance roller |
| 19 | 466078010 | Pin A |
| 20 | 26TA53080 | Pressure arm/rear |
| 21 | 26NA53460 | Cleaner gear/A |
| 22 | 26TA-5470 | Auxiliary part assembly |
| 23 | 26NA53840 | Fixing cleaner shaft holder/C |
| 24 | 26NA53290 | Lever spring |
| 25 | 26TA54040 | Fixing cleaner lever |
| 26 | 26TA54290 | Fixing driving gear/D (Z=16/38) |
| 27 | 26NA53940 | Fixing idler gear/B (Z=21) |
| 28 | 26TA53440 | Fixing idler gear/A (Z=20/20) |
| 29 | 26TA53450 | Conveyance drive gear (Z=20) |
| 30 | 26NA54310 | Paper guide part |
| 31 | 26NA-4890 | ADU Solenoid shaft assembly |
| 32 | 26TA-5510 | Fixing mount rail assembly |
| 33 | 26NA53660 | Solenoid actuator |
| 34 | 26NA53670 | Solenoid spring |
| 35 | 26NA53590 | Fixing shaft holder/lower |
| 36 | 26NA-5281 | Conveyance guide sheet/2 assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z163061 |
| e | 00Z193041 |
| f | 00Z253081 |
| g | 00Z193061 |
| h | 00Z253101 |
| i | 00Z253121 |
| j | 00Z600406 |
| k | 00Z670306 |
| m | 00Z610601 |
| n | 00Z670506 |

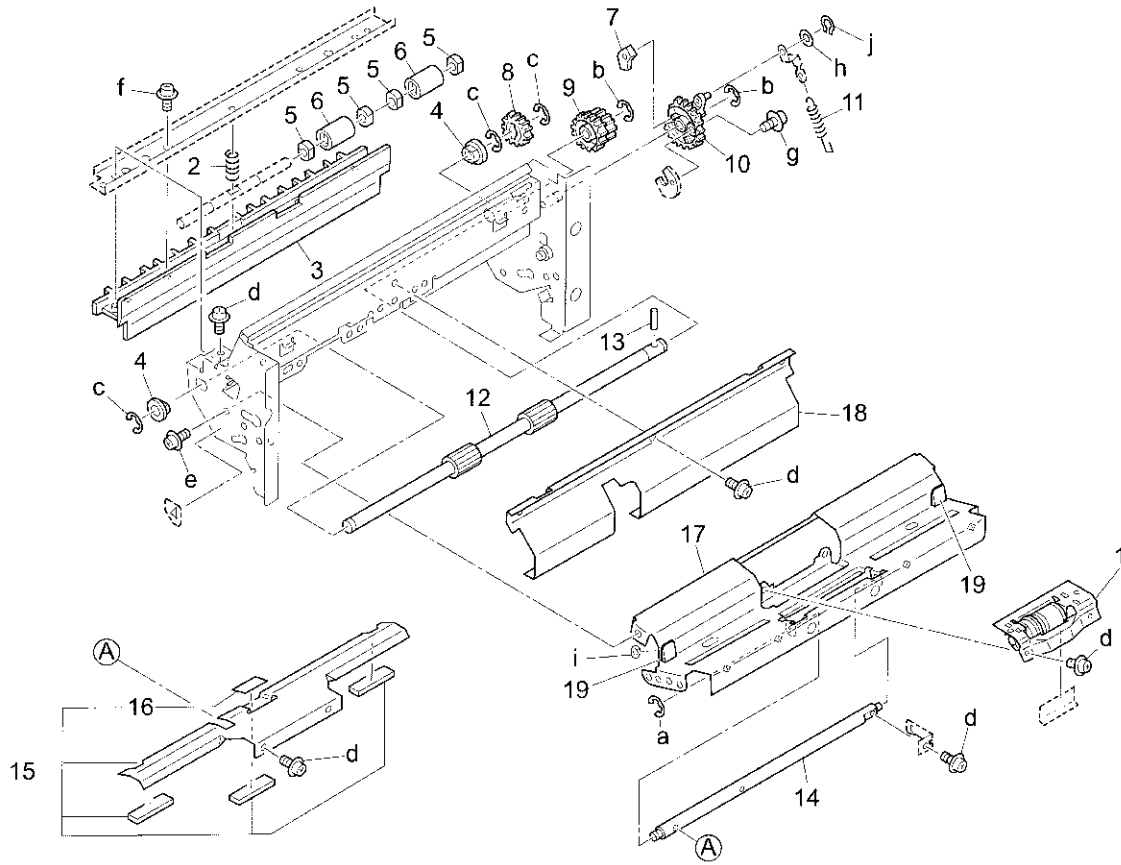
Registration Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA45371 | Registration unit shaft holder |
| 2 | 26NA45141 | Registration unit spring |
| 3 | 26NA45360 | Registration unit shaft holder |
| 4 | 26NA82010 | Registration unit clutch |
| 5 | 26WA90440 | Registration unit relay wiring |
| 6 | 56AA85510 | Photosensor |
| 7 | 26NA45170 | Pressure spring |
| 8 | 26NA45160 | Registration unit actuator |
| 9 | 26NA45150 | Support part |
| 10 | 26NA45450 | Dust proof seal |
| 11 | 26NA45440 | Registration unit fixed screw |
| 12 | 26NA45130 | Registration unit roller/B |
| 13 | 26NA45120 | Registration unit roller/A |
| 14 | 26NA-4520 | Conveyance support plate assembly |
| 15 | 26NA-4540 | Registration unit cleaner assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253141 |
| b | 00Z253081 |
| c | 00Z193061 |
| d | 00Z670406 |
| e | 00Z670506 |
| f | 00Z670606 |

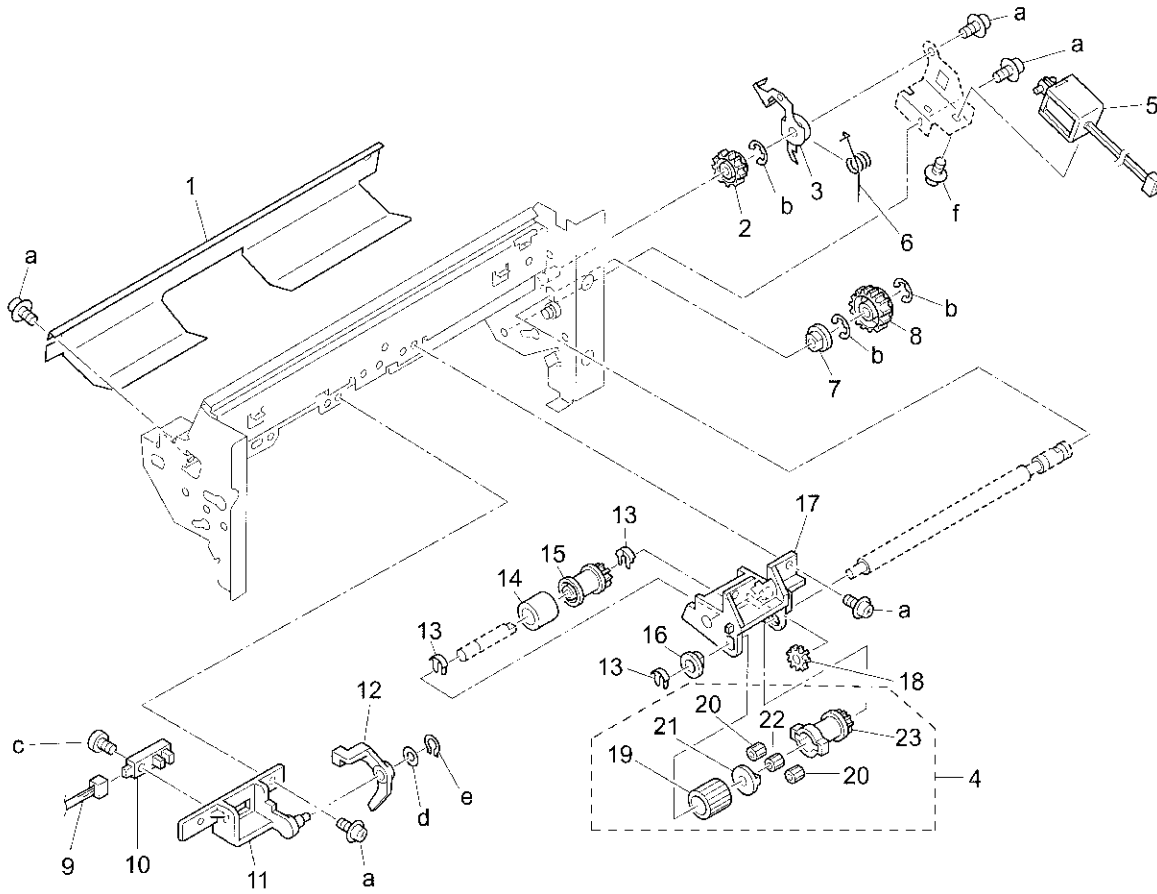
Manual Feed Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 26NA-4241 | Manual feed paper guide assembly |
| 2 | 26NA42241 | Manual feed conveyance spring |
| 3 | 26NA42010 | Manual feed guide part |
| 4 | 26NA40820 | Paper feed slide shaft holder |
| 5 | 25AA75530 | Slide shaft holder |
| 6 | 26NA40240 | Paper feed driven roller |
| 7 | 40AA42310 | Manual feed pressure rubber |
| 8 | 26NA42061 | Manual feed conveyance gear (Z=21) |
| 9 | 26NA42050 | Manual feed idler gear/upper (Z=28/30) |
| 10 | 26NA42071 | Cam pressure gear (Z=25) |
| 11 | 26NA42220 | Manual feed pressure spring |
| 12 | 26NA42021 | Manual feed conveyance roller |
| 13 | 304078040 | Pin B |
| 14 | 26NA42200 | Manual feed lift-up shaft |
| 15 | 26NA-4221 | Manual feed lift-up plate assembly |
| 16 | 540042350 | Double feed preventive plate |
| 17 | 26NA42251 | Manual feed guide plate |
| 18 | 26NA-4311 | Manual feed cover assembly |
| 19 | 26NA42570 | Manual feed guide spacer |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z670606 |
| d | 00Z193061 |
| e | 00Z183063 |
| f | 00Z253081 |
| g | 00Z183041 |
| h | 00Z610301 |
| i | 00Z660306 |
| j | 00Z680306 |

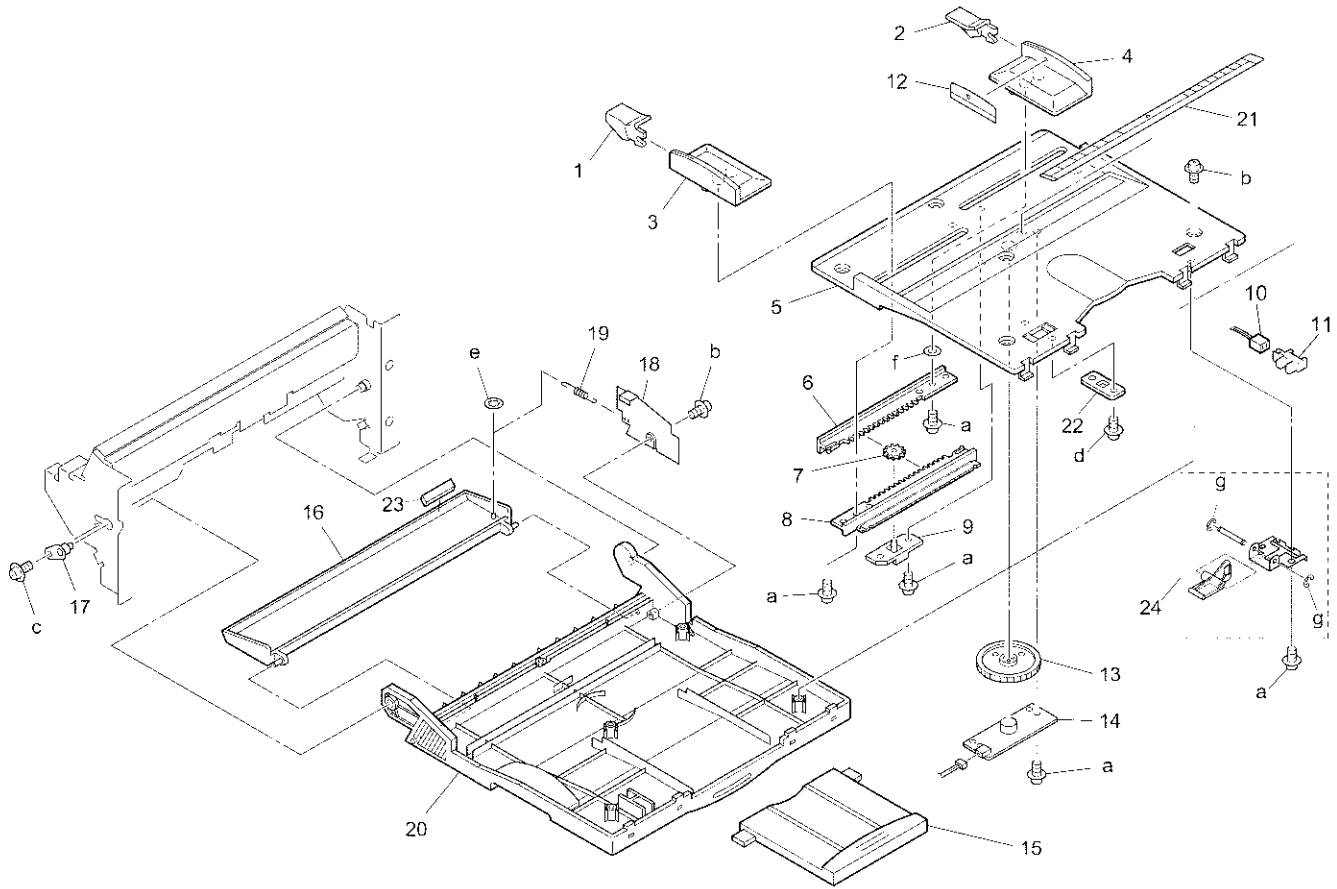
Manual Feed Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------------|
| 1 | 26NA42480 | Bypass feed guide plate/upper |
| 2 | 26NA42040 | Manual feed idler gear/lower (Z=22) |
| 3 | 26NA42030 | Manual feed driving cam |
| 4 | 26NA-4280 | Manual feed pick up assembly/2 |
| 5 | 26NA-5090 | Manual feed solenoid assembly |
| 6 | 26NA42210 | Cam spring |
| 7 | 466076020 | Paper feeding shaft holder |
| 8 | 40AA42270 | Manual feed clutch |
| 9 | 26WA90140 | Manual feed wiring |
| 10 | 56AA85510 | Photosensor |
| 11 | 26NA42351 | Support part |
| 12 | 26NA42280 | Manual feed detecting part |
| 13 | 40AA40150 | Shaft positioning part |
| 14 | 540040562 | Paper supply rubber |
| 15 | 40AA42100 | Manual feed conveyance roller |
| 16 | 540076010 | Paper feed shaft holder |
| 17 | 26NA42081 | Manual feed part |
| 18 | 26NA42580 | Gear(D) (Z=16) |
| 19 | 25BA40320 | Paper feeding rubber |
| 20 | 26NA42630 | Clutch lock gear (Z=10) |
| 21 | 26NA42590 | Cover |
| 22 | 26NA42610 | Clutch standard gear |
| 23 | 26NA42600 | Manual feed roller |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193061 |
| b | 00Z670406 |
| c | 00Z253141 |
| d | 00Z610401 |
| e | 00Z660406 |
| f | 00Z193041 |

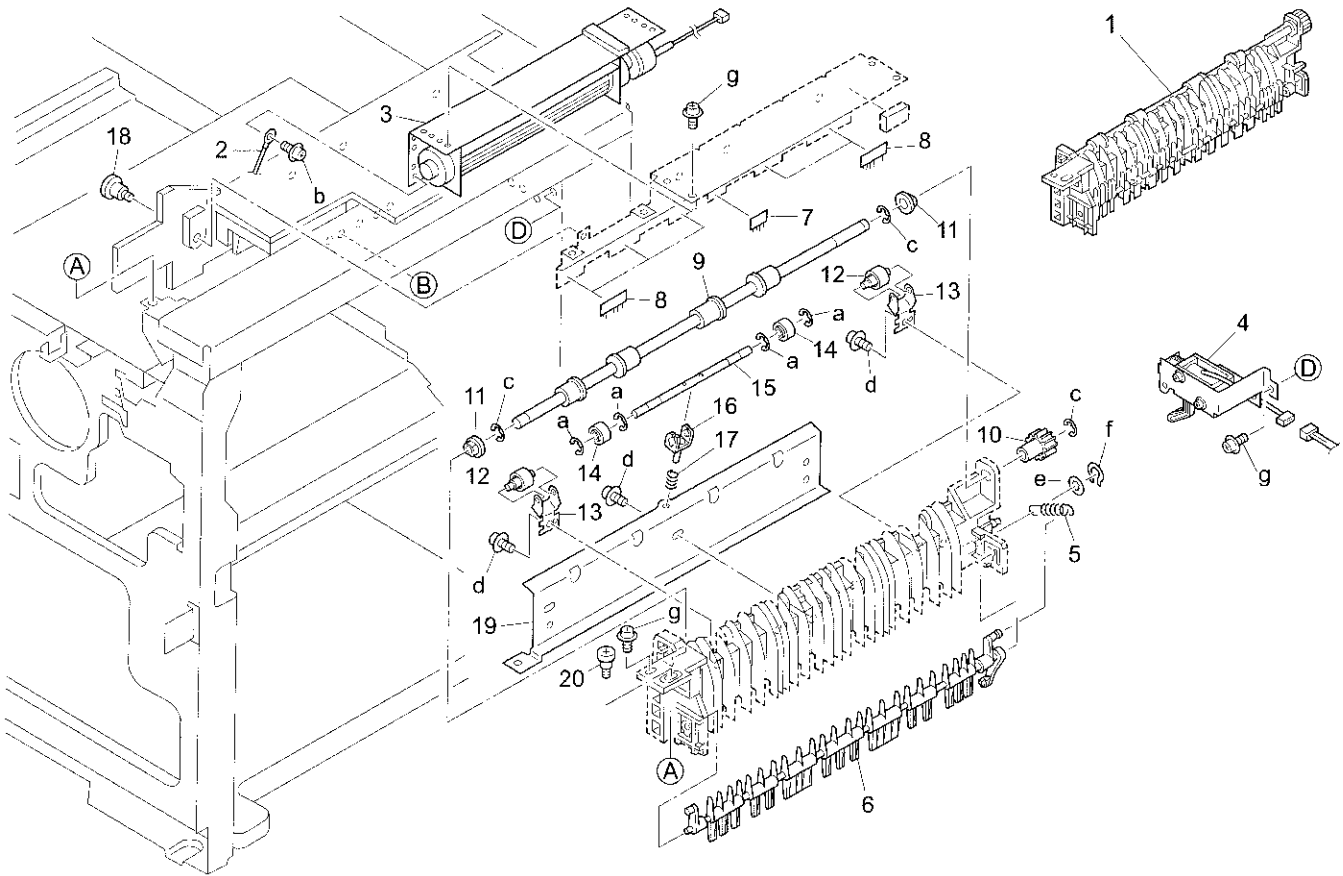
Manual Feed Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA42330 | Paper guide plate/front |
| 2 | 26NA42340 | Paper guide plate/rear |
| 3 | 26NA42392 | Paper regulating part/front |
| 4 | 26NA42401 | Paper regulating part/rear |
| 5 | 26NA42171 | Manual feed tray/upper |
| 6 | 396040611 | Rack |
| 7 | 466077130 | Pinion |
| 8 | 26NA42440 | Rack/A |
| 9 | 540042120 | Slide holder/1 |
| 10 | 26NA90451 | By-pass feed detecting wiring |
| 11 | 55VA85520 | Photosensor |
| 12 | 26NA97350 | Manual feed label/2 |
| 13 | 26NA42450 | Pinion/A (Z=124) |
| 14 | 13QA-9010 | Size detecting board assembly |
| 15 | 26NA42320 | Manual feed auxiliary tray |
| 16 | 26NA42300 | Manual feed cover |
| 17 | 26NA-4291 | Manual feed fulcrum plate assembly |
| 18 | 26NA42490 | Wiring plate |
| 19 | 26NA42380 | Manual feed open-close spring/rear |
| 20 | 26NA42181 | Manual feed tray/lower |
| 21 | 26NA97270 | Manual feed label/1 |
| 22 | 26NA42550 | Magnet pressure plate |
| 23 | 26NA42620 | Manual feed sticking part/3 |
| 24 | 26NA-4330 | Paper detecting actuator assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z253081 |
| b | 00Z253082 |
| c | 00Z193061 |
| d | 00Z253181 |
| e | 00Z660306 |
| f | 00Z610301 |
| g | 00Z670206 |

Paper Exit Unit

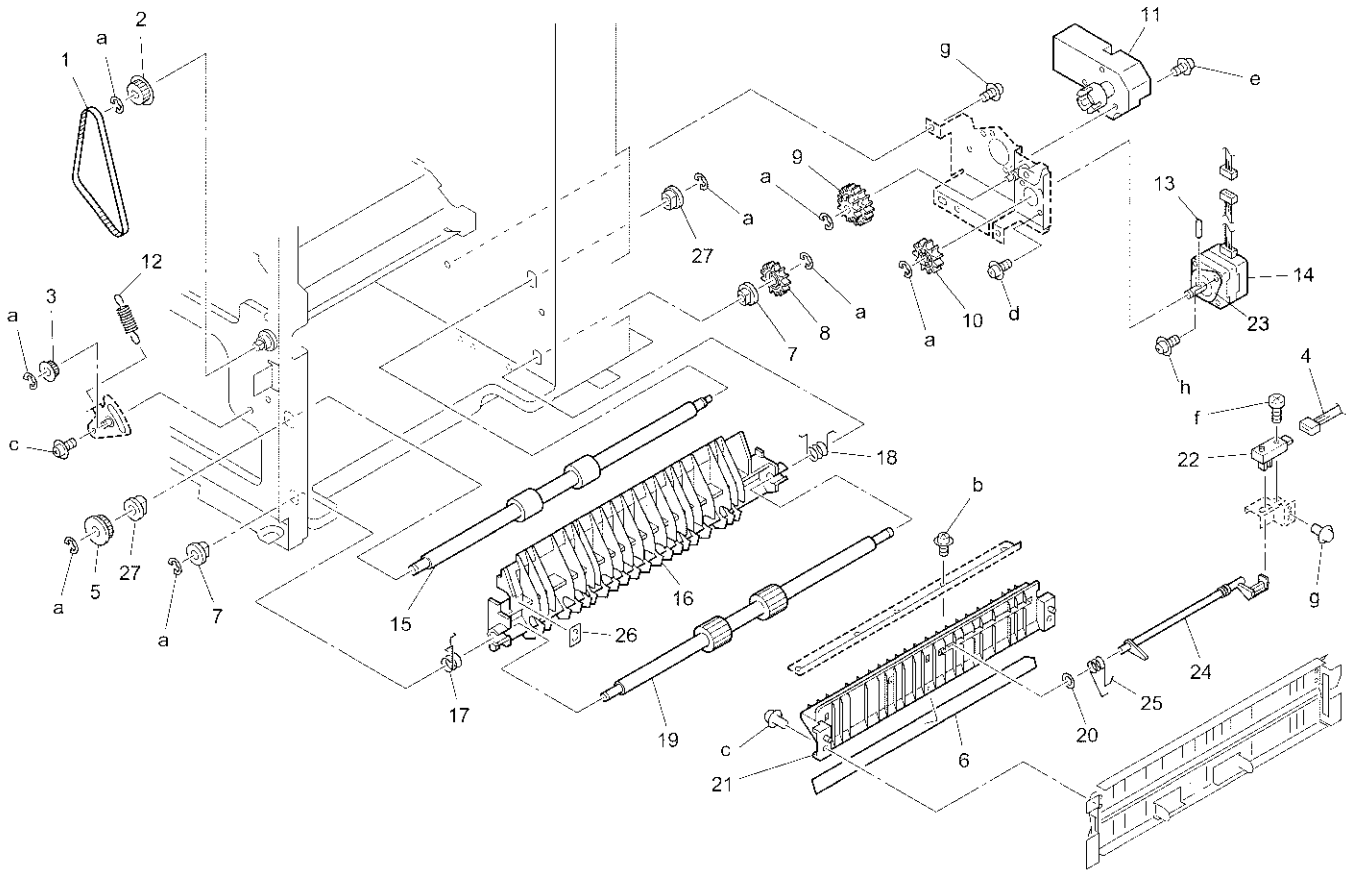


| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA-4801 | Paper exit unit |
| 2 | 26NA90470 | Paper exit ground wiring |
| 3 | 26TA-7390 | Fan motor assembly |
| 4 | 26NA-4870 | ADU change solenoid assembly |
| 5 | 26NA48110 | Tension spring |
| 6 | 26NA48250 | Paper exit guide part |
| 7 | 26NA48220 | Neutralizing brush/B |
| 8 | 26NA48210 | Neutralizing brush/A |
| 9 | 26NA48020 | Paper exit roller |
| 10 | 26NA15740 | Paper exit gear (Z=26) |
| 11 | 508053460 | Paper exit slide shaft holder |
| 12 | 26NA48120 | Paper exit driven roller |
| 13 | 26NA48130 | Paper exit driven spring |
| 14 | 26NA48070 | Paper exit driven roller |
| 15 | 26NA48081 | Paper exit driven shaft |
| 16 | 26NA48140 | Paper exit driven part |
| 17 | 26NA48100 | Paper exit spring |
| 18 | 26NA12430 | External fixed screw |
| 19 | 26NA48010 | Paper exit stay |
| 20 | 26NA45440 | Registration unit fixed screw |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z183061 |
| c | 00Z670406 |
| d | 00Z253081 |
| e | 00Z610301 |
| f | 00Z660306 |
| g | 00Z193061 |

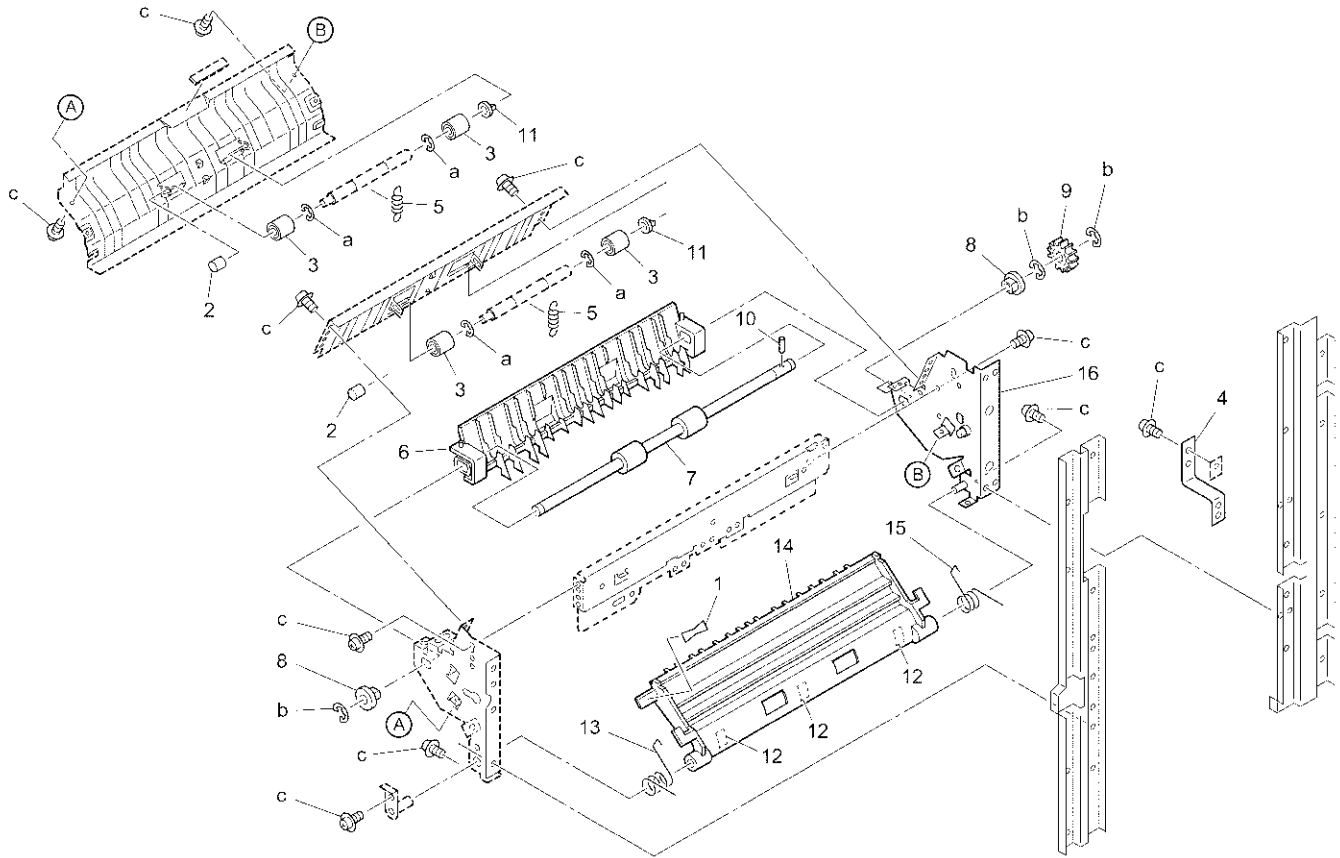
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------|
| 1 | 26NA50640 | Shaft holder part/lower |
| 2 | 059010620 | Magnet catch |
| 3 | 26NA51070 | Pressure roller/upper |
| 4 | 26NA50760 | Conveyance lock spring/lower |
| 5 | 26NA50792 | ADU guide plate/upper |
| 6 | 26NA50011 | ADU cover |
| 7 | 26NA50290 | Pressure roller |
| 8 | 26NA51060 | Driven shaft holder |
| 9 | 552012250 | Roller/B |
| 10 | 26NA50900 | Reversing spring |
| 11 | 26NA50230 | Conveyance guide part/lower |
| 12 | 26NA50811 | Conveyance guide plate/lower |
| 13 | 26NA50991 | Conveyance sheet |
| 14 | 26NA51020 | Conveyance sheet/front |
| 15 | 26NA51090 | Driven shaft holder/lower |
| 16 | 26NA-5024 | High voltage casing/B assembly |
| 17 | 26NA50522 | High voltage casing/A |
| 18 | 26NA51110 | Open-close knob |
| 19 | 26NA51720 | Insulating sheet/2 |
| 20 | 26NA50971 | Insulating sheet |
| 21 | 26NA50963 | ADU lock claw |
| 22 | 26NA50330 | Conveyance lock spring |
| 23 | 26NA50630 | Shaft holder part/upper |
| 24 | 466078010 | Pin A |
| 25 | 26NA50890 | Conveyance pressure spring |
| 26 | 26NA50721 | ADU positioning pin/front |
| 27 | 26NA50871 | ADU open-close actuator |
| 28 | 26NA50840 | ADU reinforce stay/front |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670406 |
| c | 00Z254081 |
| d | 00Z193061 |
| e | 00Z253081 |
| f | 00Z711146 |
| g | 00Z283061 |
| h | 00Z610401 |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------------|
| 1 | 26NA50450 | Driving belt (L=300) |
| 2 | 26NA50430 | Conveyance pulley/B (Z=28) |
| 3 | 26NA50370 | Idler pulley (Z=18) |
| 4 | 26WA90330 | Wiring/3 |
| 5 | 26NA50420 | Conveyance pulley/A (Z=28) |
| 6 | 26NA50340 | Reversal sheet |
| 7 | 508053460 | Paper exit slide shaft holder |
| 8 | 26TA50150 | Reversal gear (Z=26) |
| 9 | 26TA50170 | ADU idler gear (Z=26/31) |
| 10 | 40LA50160 | Motor gear (Z=31) |
| 11 | 26NA80041 | Cassette driving motor |
| 12 | 26NA51030 | Tension spring |
| 13 | 113620600 | Pin (A) |
| 14 | 56GA80060 | HB motor/40 |
| 15 | 26NA50240 | ADU guide roller |
| 16 | 26NA50032 | Guide part/lower |
| 17 | 26NA50710 | Lift-up spring/front |
| 18 | 26NA50400 | Lift-up spring |
| 19 | 26NA50110 | Reversal roller |
| 20 | 26NA50920 | Reversal spacer |
| 21 | 26NA50021 | Guide part/middle |
| 22 | 56AA85510 | Photosensor |
| 23 | 56GA73430 | Motor fixing part/1 |
| 24 | 26NA50071 | Reversal actuator |
| 25 | 26NA50360 | Conveyance guide spring |
| 26 | 26NA97450 | Lever indication label/3 |
| 27 | 466076020 | Paper feeding shaft holder |

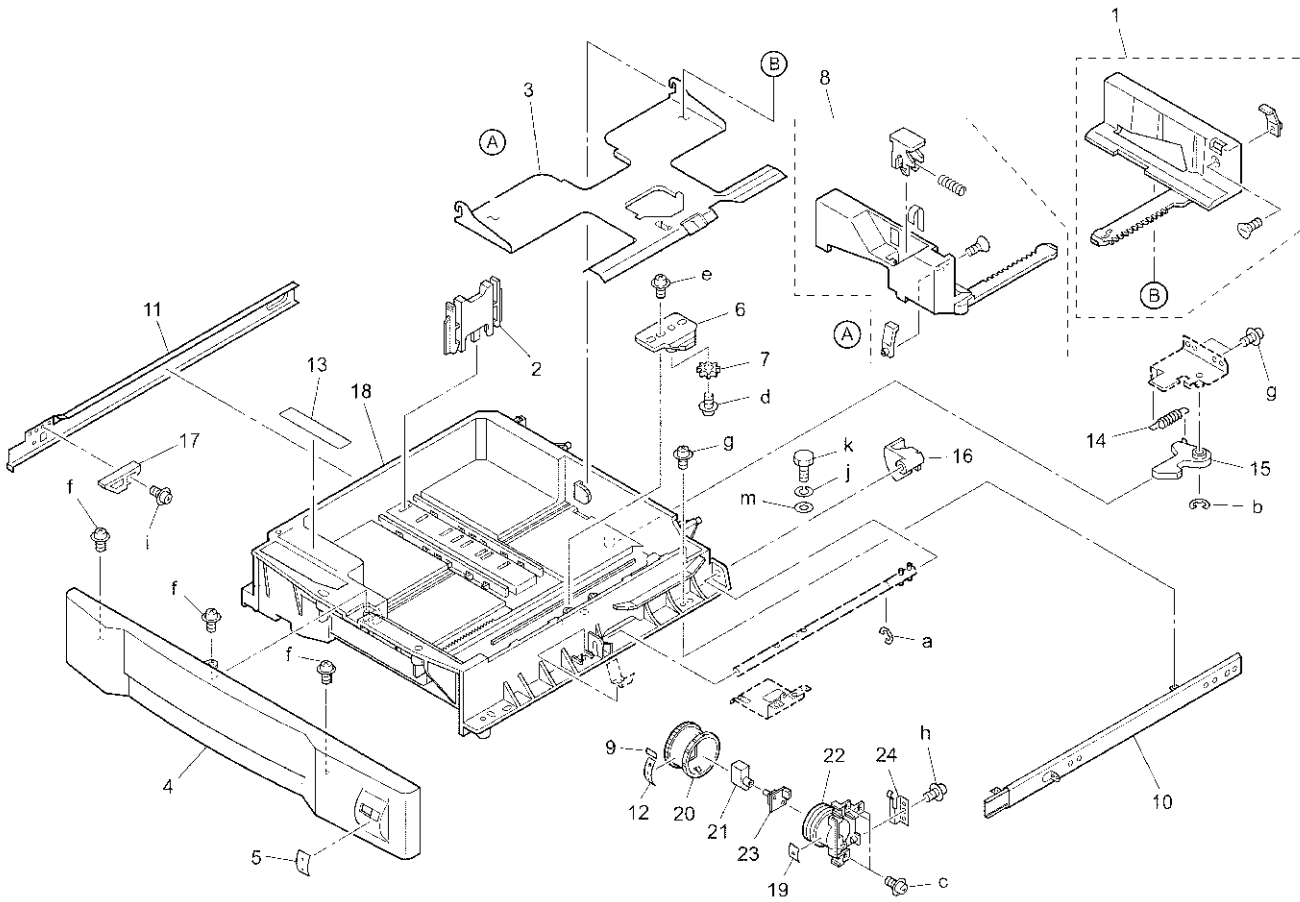
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z253081 |
| c | 00Z193061 |
| d | 00Z163061 |
| e | 00Z193201 |
| f | 00Z193101 |
| g | 00Z283061 |
| h | 00Z113051 |



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------------|
| 1 | 26NA97370 | Open-close label/upper |
| 2 | 552012250 | Roller/B |
| 3 | 26NA50290 | Pressure roller |
| 4 | 26NA50780 | ADU open-close belt |
| 5 | 26NA50890 | Conveyance pressure spring |
| 6 | 26NA50671 | Paper guide part/upper |
| 7 | 26NA42021 | Manual feed conveyance roller |
| 8 | 26NA40820 | Paper feed slide shaft holder |
| 9 | 26NA42061 | Manual feed conveyance gear (Z=21) |
| 10 | 304078040 | Pin B |
| 11 | 26NA51060 | Driven shaft holder |
| 12 | 26NA50910 | Slide sheet |
| 13 | 26NA50540 | Open-close spring/front |
| 14 | 26NA50061 | Paper guide part/lower |
| 15 | 26NA50550 | Open-close spring/rear |
| 16 | 26NA-5151 | ADU conveyance panel assembly |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670306 |
| b | 00Z670606 |
| c | 00Z193061 |

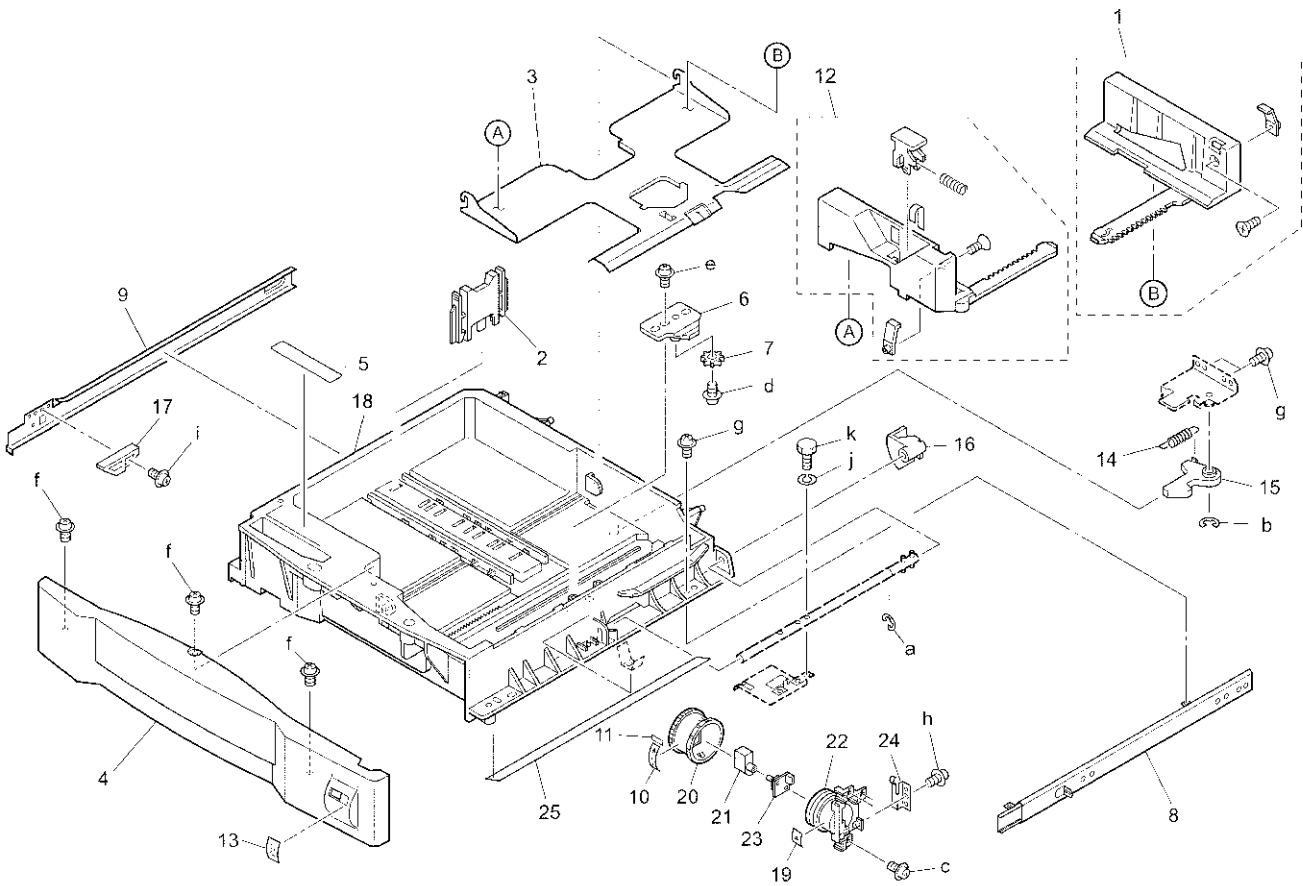
Upper Cassette



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA-4730 | Side regulating/rear assembly |
| 2 | 26NA47040 | Paper regulating plate/left |
| 3 | 26NA-4740 | Lift-up bottom plate assembly |
| 4 | 26WA47010 | Cassette base/upper |
| 5 | 26NA97390 | Cassette indication label/1 |
| 6 | 40AA47130 | Adjusting plate |
| 7 | 40AA77290 | Pinion (Z=16) |
| 8 | 26NA-4721 | Side regulating/front assembly |
| 9 | 26NA47381 | Fixing seal |
| 10 | 26NA10062 | Cassette rail/right |
| 11 | 26NA10070 | Cassette rail/left |
| 12 | 26NE97280 | Cassette indication label/upper |
| 13 | 26NA97310 | Paper supply label |
| 14 | 26NA47390 | Cassette fixed spring |
| 15 | 25BA47461 | Cassette positioning catch/U |
| 16 | 26NA47291 | Cassette remained detecting actuator |
| 17 | 26NA47350 | Cassette stopper |
| 18 | 26WA47211 | Cassette stay/upper |
| 19 | 26NA97300 | Cassette click label |
| 20 | 26NA47260 | Paper feed indication plate/front |
| 21 | 26NA47240 | Cassette detecting connector |
| 22 | 26NA47251 | Cassette detecting base |
| 23 | 26NA-9200 | Size detecting board assembly |
| 24 | 26NA47280 | Spring lock plate |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z193061 |
| d | 00Z254081 |
| e | 00Z254121 |
| f | 00Z254101 |
| g | 00Z283061 |
| h | 00Z253081 |
| i | 00Z183061 |
| j | 00Z620301 |
| k | 00Z463103 |
| m | 00Z610301 |

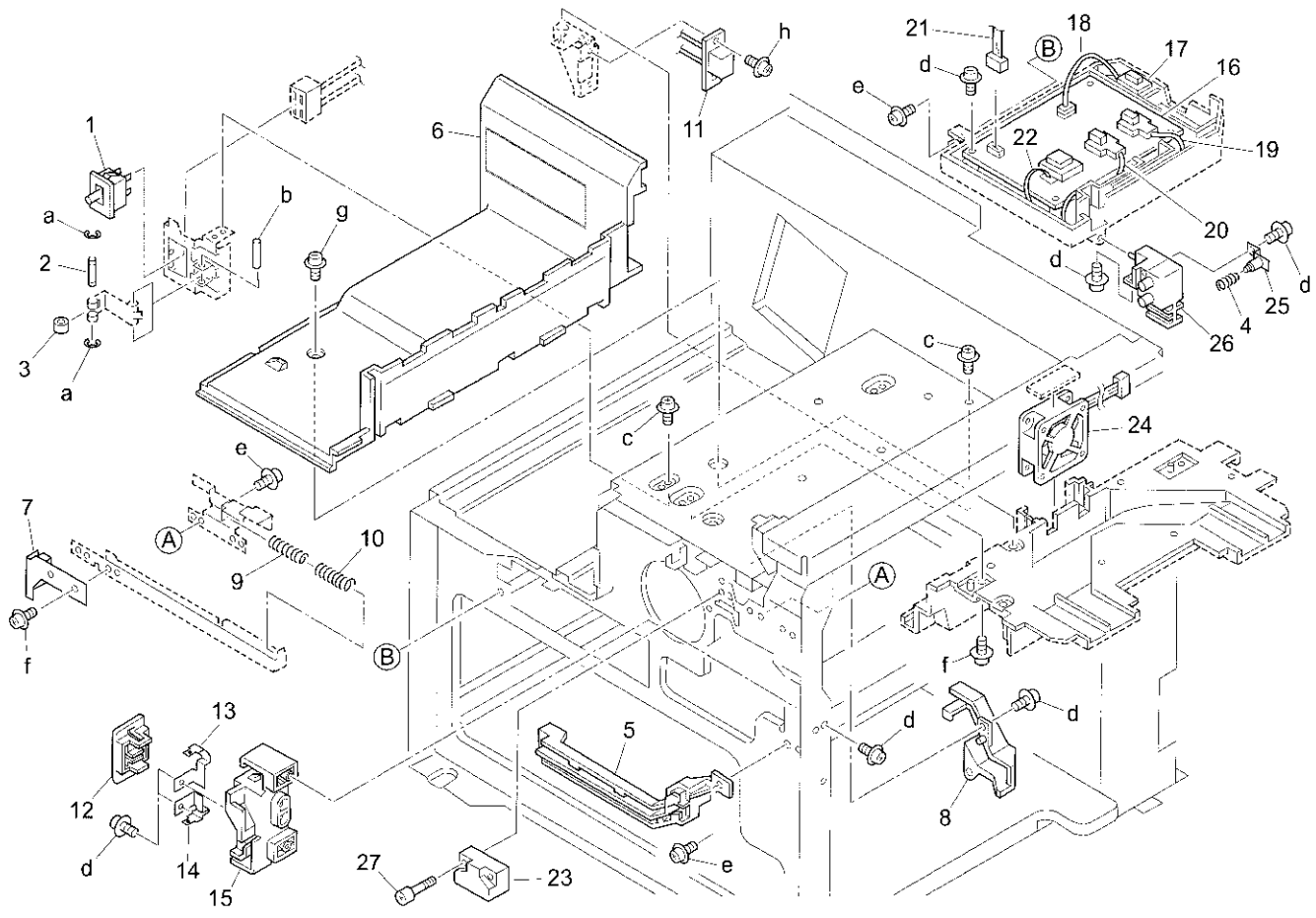
Lower Cassette



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--------------------------------------|
| 1 | 26NA-4730 | Side regulating/rear assembly |
| 2 | 26NA47040 | Paper regulating plate/left |
| 3 | 26NA-4740 | Lift-up bottom plate assembly |
| 4 | 26WA47020 | Cassette base/lower |
| 5 | 26NA97310 | Paper supply label |
| 6 | 40AA47130 | Adjusting plate |
| 7 | 40AA77290 | Pinion (Z=16) |
| 8 | 26NA10062 | Cassette rail/right |
| 9 | 26NA10070 | Cassette rail/left |
| 10 | 26NE97290 | Cassette indication label/lower |
| 11 | 26NA47381 | Fixing seal |
| 12 | 26NA-4721 | Side regulating/front assembly |
| 13 | 26NA97400 | Cassette indication label/2 |
| 14 | 26NA47390 | Cassette fixed spring |
| 15 | 25BA47461 | Cassette positioning catch/U |
| 16 | 26NA47291 | Cassette remained detecting actuator |
| 17 | 26NA47350 | Cassette stopper |
| 18 | 26WA47221 | Cassette stay/lower |
| 19 | 26NA97300 | Cassette click label |
| 20 | 26NA47260 | Paper feed indication plate/front |
| 21 | 26NA47240 | Cassette detecting connector |
| 22 | 26NA47251 | Cassette detecting base |
| 23 | 26NA-9200 | Size detecting board assembly |
| 24 | 26NA47280 | Spring lock plate |
| 25 | 26YA47420 | Cassette slide sheet |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670406 |
| b | 00Z670606 |
| c | 00Z193061 |
| d | 00Z254081 |
| e | 00Z254121 |
| f | 00Z254101 |
| g | 00Z283061 |
| h | 00Z253081 |
| i | 00Z183061 |
| j | 00Z620301 |
| k | 00Z463103 |

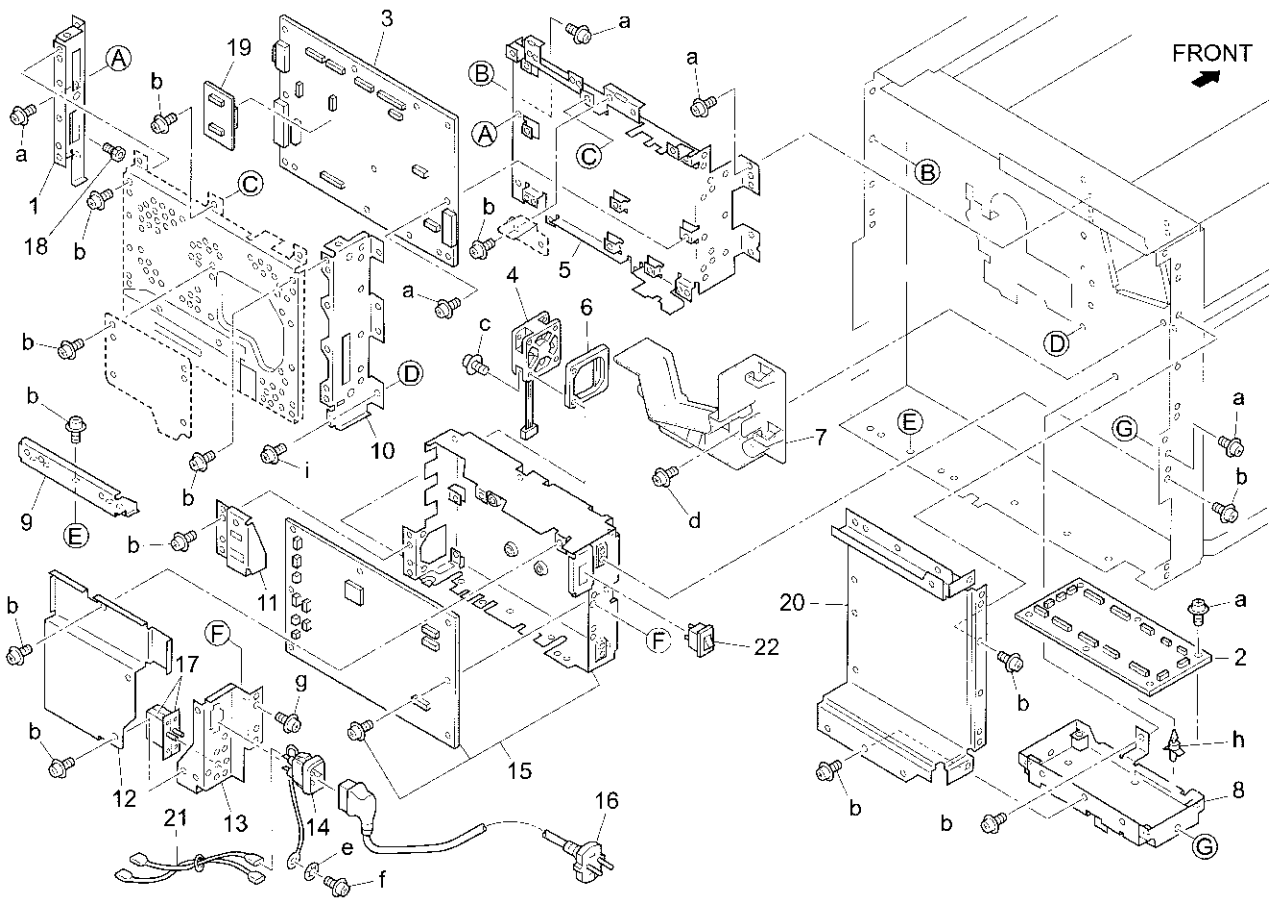
Electric Parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|--|
| 1 | 40AA85010 | Door switch |
| 2 | 25HA73200 | Switch guide shaft |
| 3 | 25HA73210 | Switch guide roller |
| 4 | 26NA73251 | Electrode connecting spring/A |
| 5 | 26NA73201 | Wiring support part |
| 6 | 26NA73331 | Fan cover |
| 7 | 26NA73070 | Switch pressure plate |
| 8 | 26NA73061 | Cord cover |
| 9 | 25HA73131 | Switch spring/B |
| 10 | 25HA73121 | Switch spring/A |
| 11 | 26NA90060 | Fixing relay wiring |
| 12 | 26NA73500 | High voltage cover plate/A |
| 13 | 26NA73131 | Connecting plate/A |
| 14 | 26NA73471 | Connecting plate/C |
| 15 | 26NA73151 | Contact support plate |
| 16 | 26NA84012 | High voltage power source |
| 17 | 26NA88030 | Sensor |
| 18 | 26NA90320 | Relay wiring/2 |
| 19 | 26NA90360 | High voltage wiring/1 |
| 20 | 26NA90370 | High voltage wiring/2 |
| 21 | 26NA90280 | High voltage relay wiring |
| 22 | 26NA90380 | High voltage wiring/3 |
| 23 | 26TA90080 | Drum relay wiring |
| 24 | 26NA80510 | Main fan motor |
| 25 | 26NA-7510 | High voltage connecting plate/B assembly |
| 26 | 26NA73510 | Contact support plate/B |
| 27 | 066079020 | Drawer |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z670206 |
| b | 00Z713206 |
| c | 00Z193041 |
| d | 00Z253081 |
| e | 00Z283061 |
| f | 00Z193061 |
| g | 00Z193062 |
| h | 00Z194081 |

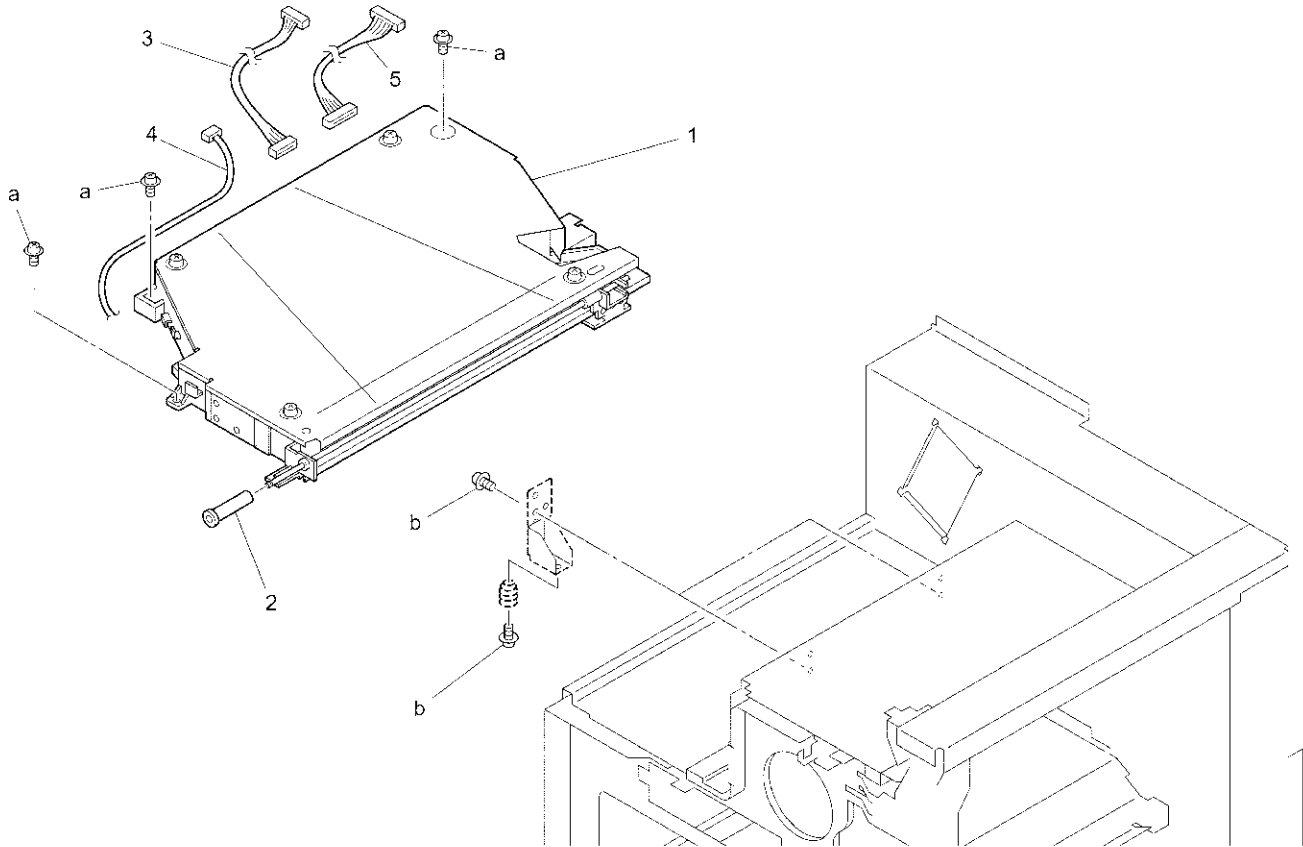
Electric Parts



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------------------|
| 1 | 26NA73241 | Board cover plate/B |
| 2 | 26TA-9022 | Main driving board assembly |
| 3 | 26YA-9300 | System control board unit |
| 4 | 26NA80510 | Main fan motor |
| 5 | 26NA73011 | Board mount plate |
| 6 | 26NA73610 | Fan spacer |
| 7 | 26NA73021 | Protect cover |
| 8 | 26NA73380 | Board mount plate/B |
| 9 | 26NA73420 | Board mount plate/C |
| 10 | 26NA73260 | Board cover plate/C |
| 11 | 26NA73290 | Wiring mount plate/A |
| 12 | 26NA73460 | Power source cover plate |
| 13 | 26NA73410 | Cord mount plate |
| 14 | 26NA-7520 | Power socket assembly |
| 15 | 26NA84511 | DC power source/1 |
| 16 | 26NE88610 | Power source cord |
| 17 | 26NA88460 | Circuit breaker |
| 18 | 26NA73570 | Contact fixing screw/A |
| 19 | 26NA-9110 | Parameter memory board assembly |
| 20 | 26NA73280 | Board cover/D |
| 21 | 26NA90110 | AC power source wiring |
| 22 | 55GA86010 | Power source switch |

| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z193041 |
| b | 00Z193061 |
| c | 00Z193351 |
| d | 00Z283061 |
| e | 00Z630406 |
| f | 00Z184065 |
| g | 00Z164081 |
| h | 00Z925104 |
| i | 00Z183043 |

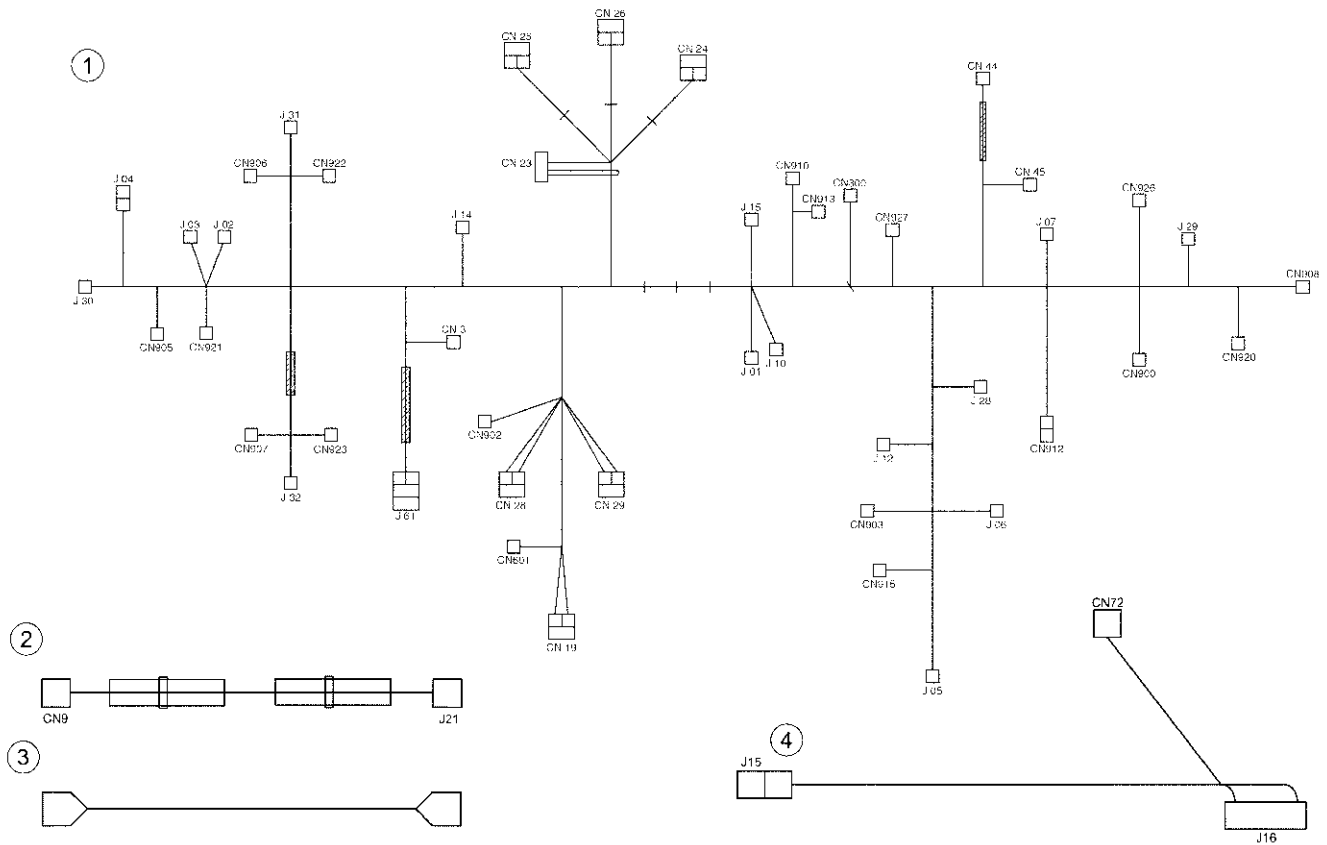
Writing Unit



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------|
| 1 | 26TA-6500 | Writing unit |
| 2 | 26NA65260 | Writing cleaner knob |
| 3 | 26NA90180 | Polygon relay wiring |
| 4 | 26NA90240 | INDEX driving wiring |
| 5 | 26NA90390 | LD relay wiring/2 |

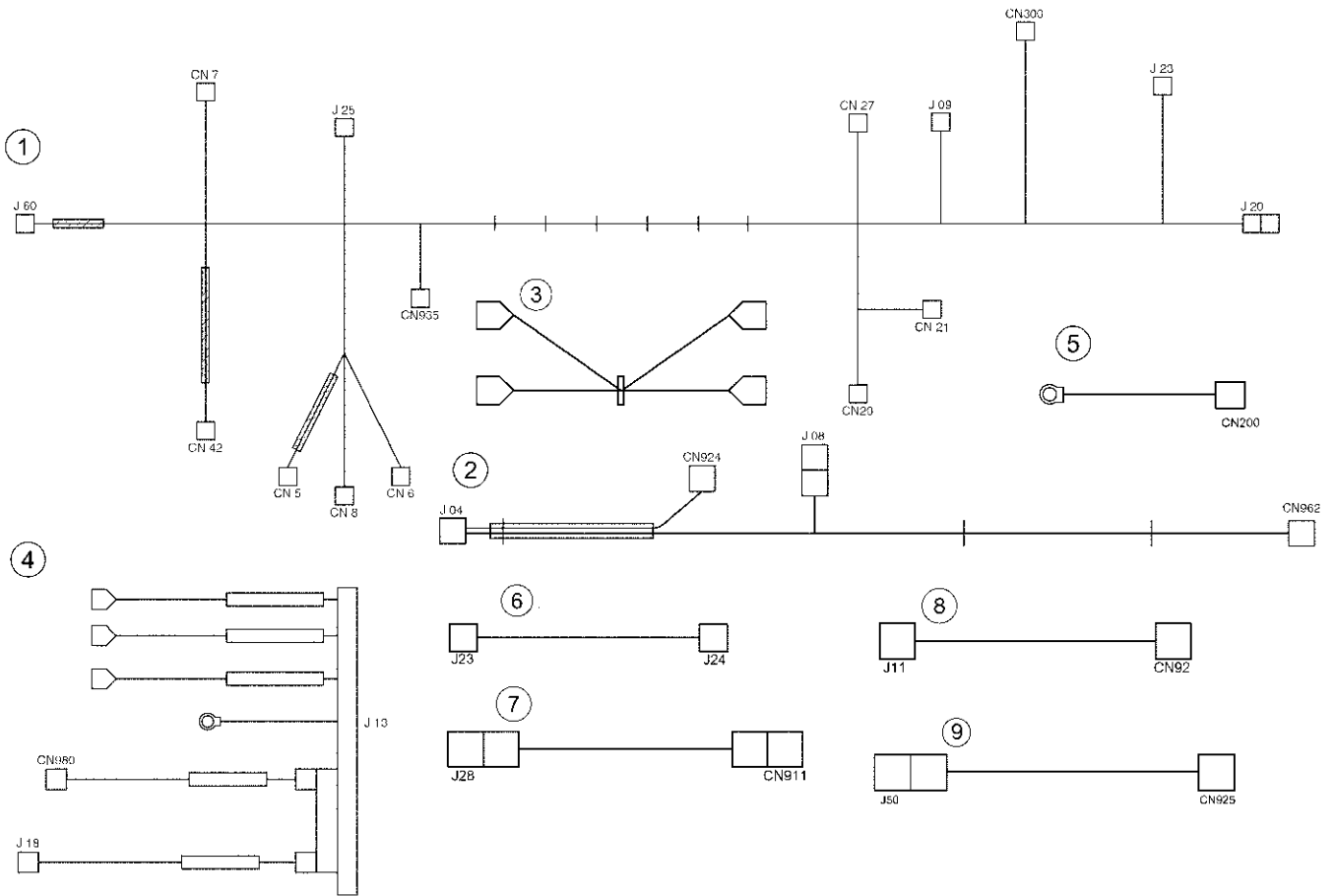
| HARDWARE | |
|-----------|-------------|
| REF. LTR. | PART NUMBER |
| a | 00Z163101 |
| b | 00Z193061 |

Wiring



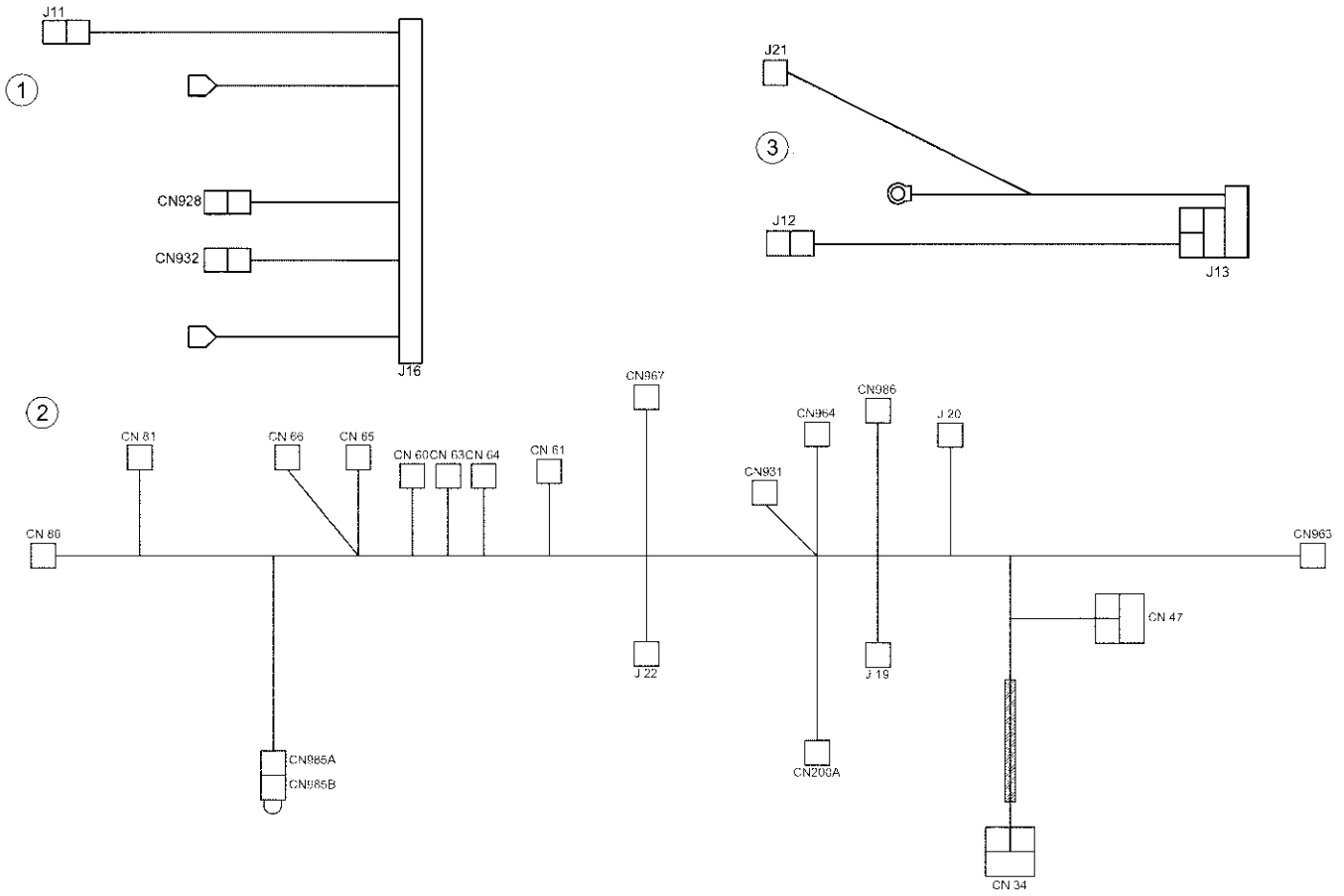
| REF. NO. | PART NUMBER | DESCRIPTION |
|-------------|-------------|---------------------|
| 1 | 26YA90010 | Main body wiring |
| 2 | 26NA90021 | Heater relay wiring |
| 3 | 26TA90040 | Fuse cord/1 |
| 4 | 26TA90080 | Drum relay wiring |

Wiring



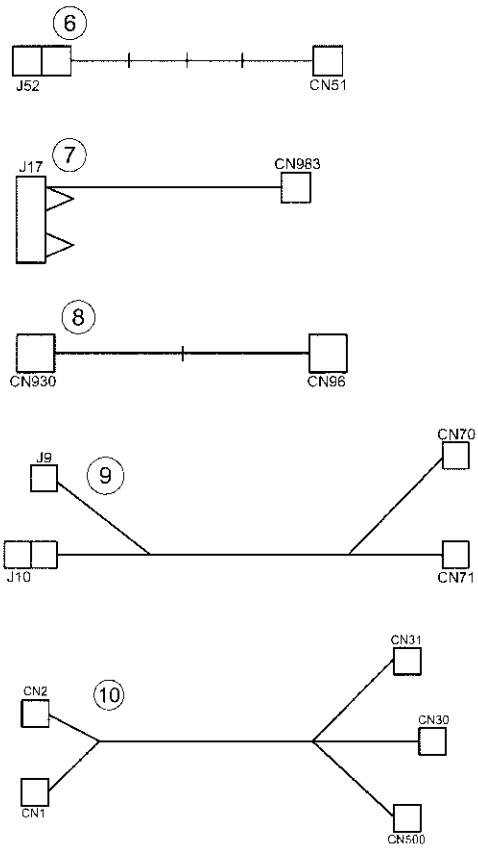
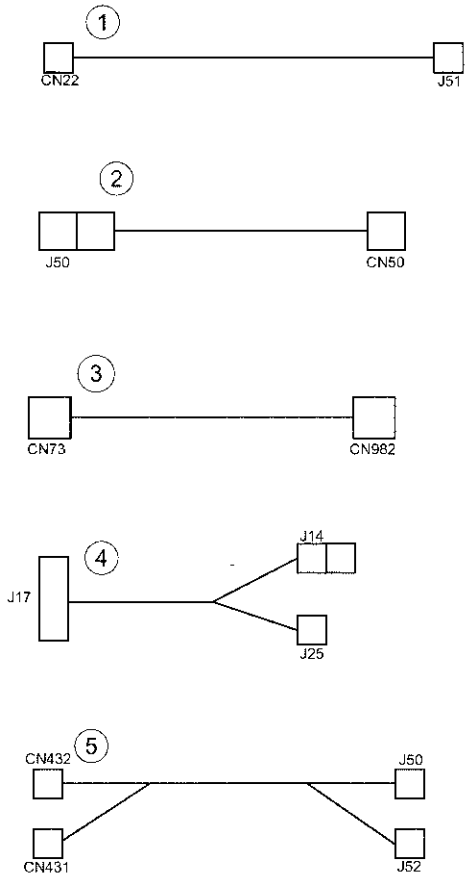
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------|
| 1 | 26TA90030 | DC power source wiring |
| 2 | 26WA90140 | Bypass feed wiring |
| 3 | 26NA90110 | AC power source wiring |
| 4 | 40LA90050 | Fixing powering wiring |
| 5 | 26NA90420 | Option wiring/1 |
| 6 | 26NA90270 | DC interlock wiring |
| 7 | 26NA90300 | Relay wiring |
| 8 | 26NA90310 | Relay wiring/1 |
| 9 | 26NA90410 | Web relay wiring |

Wiring



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|---------------------|
| 1 | 26TA90070 | Drum wiring |
| 2 | 26WA90090 | Optics wiring |
| 3 | 26NA90060 | Fixing relay wiring |

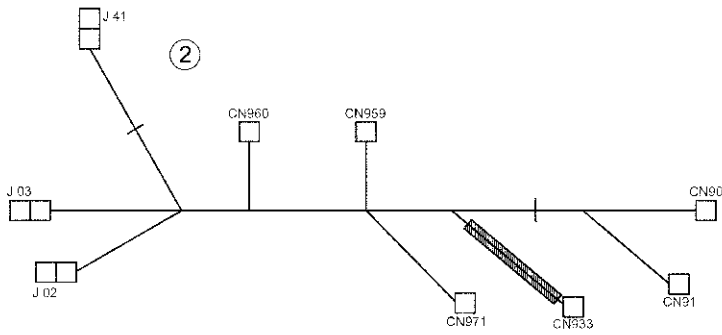
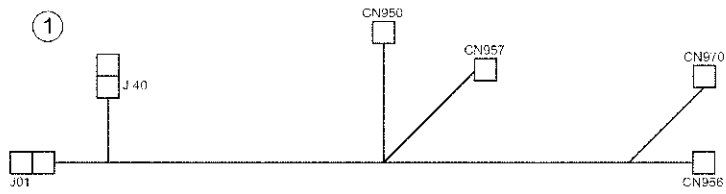
Wiring



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|----------------------------|
| 1 | 26NA90180 | Polygon relay wiring |
| 2 | 26TA90210 | LD driving wiring |
| 3 | 26NA90320 | Relay wiring/2 |
| 4 | 26TA90340 | Developing relay wiring |
| 5 | 26NA90230 | LD relay wiring/1 |
| 6 | 26NA90240 | INDEX driving wiring |
| 7 | 26TA90250 | Development wiring |
| 8 | 26NA90260 | Lamp relay wiring |
| 9 | 26NA90280 | High voltage relay wiring |
| 10 | 26TA90400 | System power source wiring |

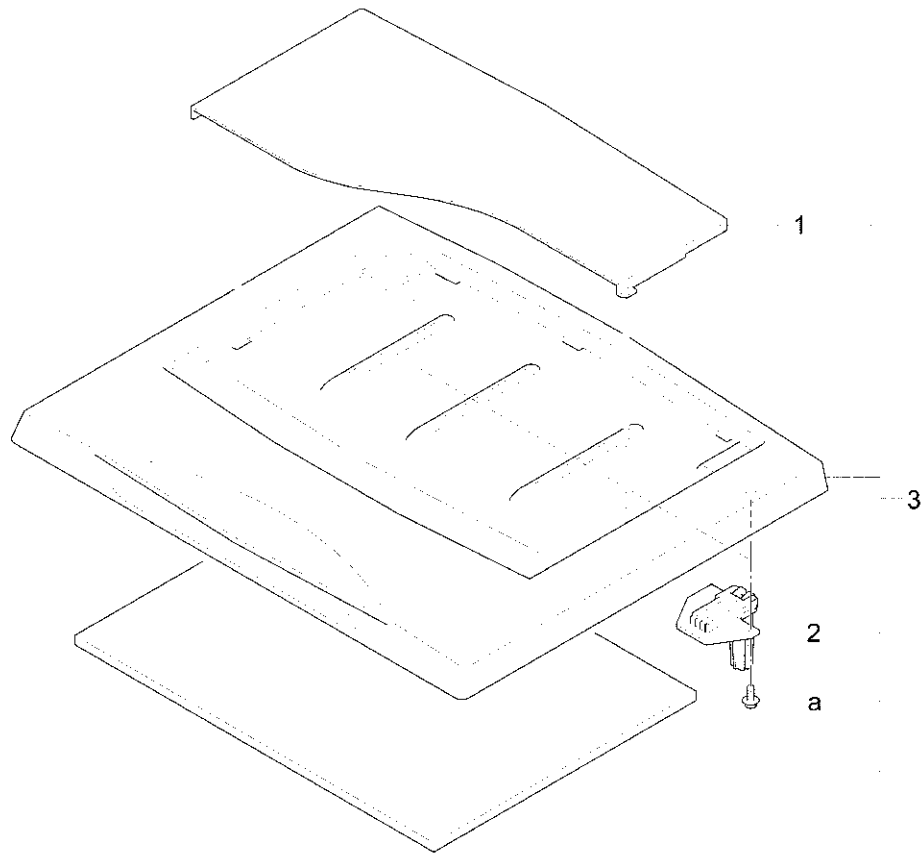
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|------------------------------|
| 1 | 26NA90360 | High voltage wiring/1 |
| 2 | 26NA90370 | High voltage wiring/2 |
| 3 | 26NA90380 | High voltage wiring/3 |
| 4 | 26NA90390 | LD relay wiring/2 |
| 5 | 26WA90330 | Sensor relay wiring /3 |
| 6 | 26WA90440 | Registration relay wiring |
| 7 | 26TA90490 | Fixing relay wiring/2 |
| 8 | 26NA90430 | Option relay wiring/2 |
| 9 | 26WA90520 | Motor relay wiring |
| 10 | 26NA90451 | Bypass feed detecting wiring |
| 11 | 26NA90460 | Total counter relay wiring |
| 12 | 26NA90470 | Paper exit ground wiring |
| 13 | 40LA90500 | A/D wiring |
| 14 | 26NA90190 | Toner supply wiring/1 |
| 15 | 26WA90160 | Operation unit wiring/2 |
| 16 | 26TA90520 | Paper exit driving wiring |

Wiring



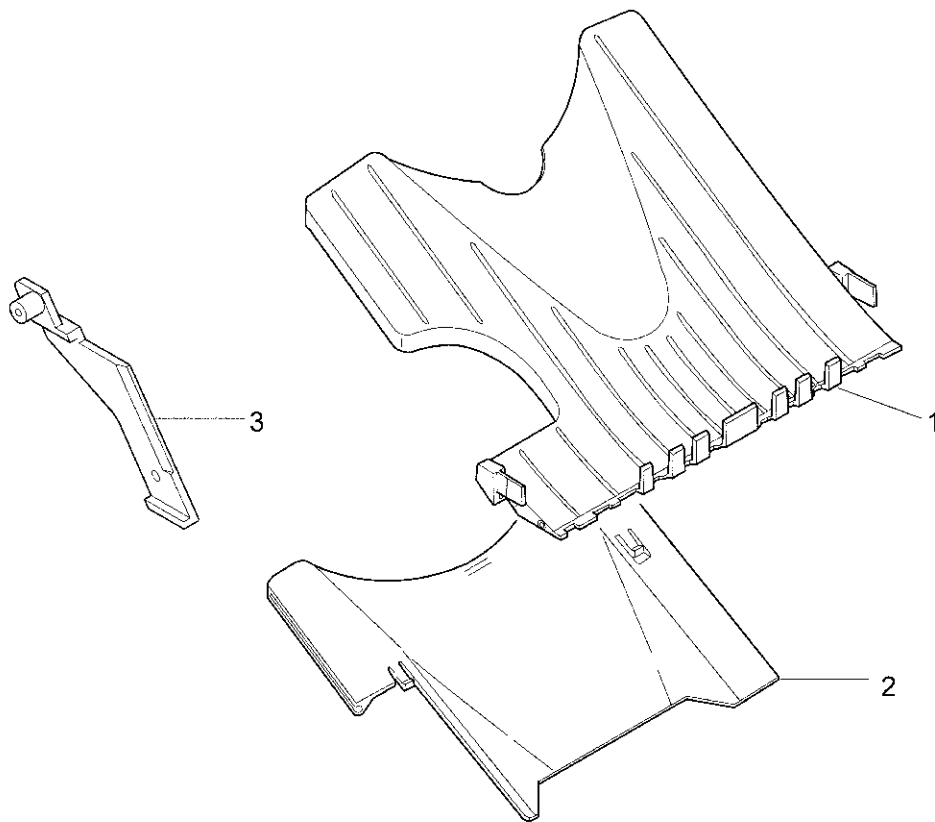
| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | 26XA90120 | Paper feed wiring/upper |
| 2 | 26XA90130 | Paper feed wiring/lower |

Platen Cover (CV-109)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------------|
| 1 | 13HL14070 | Original cover/upper |
| 2 | 13HL14040 | Original cover hinge |
| 3 | 13HL-1400 | Original cover assembly |

Finisher Output Tray (FT-107)



| REF. NO. | PART NUMBER | DESCRIPTION |
|----------|-------------|-------------------|
| 1 | 13GQ48010 | Paper exit tray/A |
| 2 | 13GQ48020 | Paper exit tray/B |
| 3 | 13GS10010 | Support part |

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| AC power source wiring . . | 81 | 21 | Cam pressure gear (Z=25) . | 61 | 10 | Cleaner pressure spring . . | 55 | 11 |
| AC power source wiring . . | 87 | 3 | Cam release part/rear . . . | 47 | 14 | Cleaner shaft assembly . . . | 29 | 17 |
| ADF detecting actuator . . . | 7 | 17 | Cam spring | 63 | 6 | Cleaning blade assembly . . | 23 | 20 |
| ADF guide block | 11 | 10 | Cartridge screw | 21 | 17 | Clutch gear/1 (Z=27) | 19 | 13 |
| ADF mount plate/right . . . | 11 | 14 | Cassette base/lower | 77 | 4 | Clutch gear/1 (Z=27) | 49 | 2 |
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| Accessories holding panel . . | 7 | 9 | Cassette indication label/lower | 77 | 10 | Conveyance guide | | |
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| Adjusting plate | 77 | 6 | Cassette positioning catch/U | 75 | 15 | Conveyance guide sheet . . . | 5 | 11 |
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| Agitating gear (Z=19/30) . . | 21 | 18 | Cassette rail/right | 77 | 8 | Conveyance pressure spring | 69 | 25 |
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| Agitator plate/A | 25 | 16 | Cassette remained detecting actuator | 77 | 16 | Conveyance pulley/A (Z=28) | 71 | 5 |
| Auxiliary part assembly . . . | 57 | 22 | Cassette remained detecting actuator | 77 | 16 | Conveyance pulley/B (Z=28) | 71 | 2 |
| | | | Cassette slide sheet | 77 | 25 | Conveyance roller | 49 | 13 |
| | | | Cassette stay/lower | 77 | 18 | Conveyance roller | 57 | 18 |
| | | | Cassette stay/upper | 75 | 18 | Conveyance sheet | 69 | 13 |
| | | | Cassette stopper | 3 | 5 | Conveyance sheet/front . . . | 69 | 14 |
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| | | | Charging corona unit | 27 | 14 | Cord cover/B | 7 | 13 |
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| | | | Cleaner auxiliary part | 25 | 12 | DC brushless motor/20 . . . | 19 | 1 |
| | | | Cleaner collect seal | 25 | 3 | DC interlock wiring | 87 | 6 |
| | | | Cleaner cover | 55 | 2 | DC power source wiring . . . | 87 | 1 |
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| | | | Cleaner driving shaft assembly | 55 | 7 | DC power source/1 | 81 | 15 |
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| 40AA73191 | 21 | 3 | 40LA90500 | 93 | 13 | 55VA85520 | 65 | 11 |
| 40AA76040 | 39 | 18 | 466076020 | 15 | 1 | 56AA17830 | 29 | 18 |
| 40AA76040 | 45 | 17 | 466076020 | 49 | 11 | 56AA85510 | 3 | 1 |
| 40AA77290 | 75 | 7 | 466076020 | 63 | 7 | 56AA85510 | 11 | 9 |
| 40AA77290 | 77 | 7 | 466076020 | 71 | 27 | 56AA85510 | 37 | 6 |
| 40AA85010 | 79 | 1 | 466077130 | 65 | 7 | 56AA85510 | 39 | 7 |
| 40AA88030 | 35 | 22 | 466078010 | 31 | 2 | 56AA85510 | 45 | 2 |
| 40LA-1320 | 7 | 8 | 466078010 | 57 | 19 | 56AA85510 | 59 | 6 |
| 40LA-3110 | 43 | 2 | 466078010 | 69 | 24 | 56AA85510 | 63 | 10 |
| 40LA-3120 | 43 | 3 | 508053460 | 67 | 11 | 56AA85510 | 71 | 22 |
| 40LA-3130 | 43 | 4 | 508053460 | 71 | 7 | 56AA85530 | 11 | 3 |
| 40LA-3140 | 43 | 9 | 540025121 | 27 | 3 | 56GA73430 | 71 | 23 |
| 40LA-3150 | 43 | 5 | 540040562 | 63 | 14 | 56GA80060 | 71 | 14 |
| 40LA-3160 | 21 | 1 | 540042120 | 65 | 9 | 580388410 | 13 | 14 |
| 40LA-3170 | 43 | 6 | 540042350 | 61 | 16 | 684276031 | 17 | 21 |
| 40LA-3180 | 43 | 8 | 540076010 | 39 | 13 | SP00-0110 | 53 | 15 |
| 40LA-6280 | 11 | 7 | 540076010 | 45 | 7 | | | |
| 40LA17400 | 17 | 32 | 540076010 | 63 | 16 | | | |
| 40LA17400 | 19 | 18 | 540076050 | 13 | 22 | | | |

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A copy of this bulletin must be given to every technician who services this model.

NO.: 97 DATE: 7/28/00

MODELS: **7020/7030**

Part Number Corrections

This bulletin corrects erroneous part number information for the fax kit (FK-101).

| <u>PAGE</u> | <u>REF. NO.</u> | <u>OLD PART NO.</u> | <u>NEW PART NO.</u> | <u>INTER- CHANGEABLE</u> | <u>COMMENTS</u> |
|-------------|---------------------|-------------------------|-------------------------|------------------------------|-----------------|
|-------------|---------------------|-------------------------|-------------------------|------------------------------|-----------------|

7020/7030

(Parts catalog dated May, 2000)

| | | | | | |
|----|---|-----------|-----------|-----|------------------------|
| 93 | 5 | 13FQ87030 | 13FQ-9030 | N/A | Option operating board |
| 93 | 7 | 13FQ87010 | 13FQ-9010 | N/A | FAX control board |
| 93 | 8 | 13FQ87020 | 13FQ-9020 | N/A | NCU board/Q |

| REF. NO. | PART NUMBER | DESCRIPTION |
|-------------|-------------|------------------------|
| 1 | 13FQ70020 | Cover sheet |
| 2 | 13FQ70030 | Sheet |
| 3 | 13FQ70010 | Board mount plate |
| 4 | 13FQ70040 | Operation button |
| 5 | 13FQ-9030 | Option operating board |
| 6 | 13FQ82510 | Monitor speaker |
| 7 | 13FQ-9010 | FAX control board |
| 8 | 13FQ-9020 | NCU board/Q |
| 9 | 13FQ73050 | Side cover |
| 10 | 13FQ73070 | Ground spring/A |

