KONICA MINOLTA

SERVICE MANUAL

FIELD SERVICE

7155/7165
7255/7272

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KONICA MINOLTA BUSINESS TECHNOLOGIES, INC. Ver. 5.0

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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

4 Because of possible hazards to an inexperienced person servicing this copier as well as the risk of damage to the copier, Konica Minolta Business Technologies, INC. (hereafter called the KMBT) strongly recommends that all servicing be performed only by KMBT-trained service technicians.
Changes may have been made to this copier to improve its performance after this Service Manual was printed. Accordingly, KMBT does not warrant, either explicitly or implicitly, that the information contained in this Service Manual is complete and accurate.
The user of this Service Manual must assume all risks of personal injury and/or damage to the copier while servicing the copier for which this Service Manual is intended.
Therefore, this Service Manual 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 Manual also for future service.

DESCRIPTION ITEMS FOR DANGER, WARNING AND CAUTION

4 In this Service Manual, 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** :**Action having a high possibility of suffering death or serious injury**
⚠**WARNING**:**Action having a possibility of suffering death or serious injury**
⚠**CAUTION** :**Action 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.

SAFETY WARNINGS

④ [1] MODIFICATIONS NOT AUTHORIZED BY KONICA MINOLTA BUSINESS TECHNOLOGIES, INC.

Konica Minolta brand 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	
④ • Using any cables or power cord not specified by KMBT.	
④ • Using any fuse or thermostat not specified by KMBT. Safety will not be assured, leading to a risk of fire and injury.	
• Disabling fuse functions or bridging fuse terminals with wire, metal clips, solder or similar object.	
• Disabling relay functions (such as wedging paper between relay contacts)	
• Disabling safety functions (interlocks, safety circuits, etc.) Safety will not be assured, leading to a risk of fire and injury.	
④ • Making any modification to the copier unless instructed by KMBT	
④ • Using parts not specified by KMBT	

[2] CHECKPOINTS WHEN PERFORMING ON-SITE SERVICE

4 Konica Minolta brand 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

- 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.

- 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

- 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.

4 - 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 KMBT. Using the damaged power cord may result in fire or electric shock.

- When using the power cord (inlet type) that came with this copier, be sure to observe the following precautions:
  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.
  4 b. If the power cord or sheath is damaged, replace with a new power cord (with plugs on both ends) specified by KMBT.
     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.

- 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

4 • Before conducting an inspection, read all relevant documentation (service manual, technical notices, etc.) and proceed with the inspection following the prescribed procedure in safety clothes, 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

- 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.

⚠ 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.

[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.
4. ⚠4 If a report of a serious accident has been received from a customer, an on-site evaluation must be carried out quickly and KMBT must be notified.
5. ⚠4 To determine the cause of the accident, conditions and materials must be recorded through direct on-site checks, in accordance with instructions issued by KMBT.
6. 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 protection 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 Protection Circuit

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, L3 and L4 (fixing heater lamps) overheating prevention circuit

1. Protection by software

The output voltage from TH1 (fixing temperature sensor 1) is read by the CPU. If this voltage is abnormal, L2 (fixing heater lamp 1), L3 (fixing heater lamp 2), L4 (fixing heater lamp 3) and RL1 (main relay) are turned OFF.

⚠**CAUTION:**
Do not change the gap between the roller and TH1. 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), L4 (fixing heater lamp 3) and RL1 (main relay) are turned OFF in hardware means.

⚠CAUTION:

Periodically check the TH2 face contacting the roller, and replace TH2 if any abnormality is detected.
Since TH1 (fixing temperature sensor) 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 TS1 (thermostat/U) and TS2 (thermostat/L)

When the temperature of the fixing roller (upper/lower) exceeds the specified value, TSs are turned OFF, thus interrupting the power to L2 (fixing heater lamp/1), L3 (fixing heater lamp/2), and L4 (fixing heater lamp/3) directly.

⚠CAUTION:

Do not use any other electrical conductor in place of TS1 and TS2. 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.

In the case of the 7155/7165

3

⚠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 In the case of the 7255/7272

⚠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

(FS-111 Finisher)

7272sf007

⚠ 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.

<SCANNER SECTION>

<WRITE UNIT>

④ In the case of the 7155/7165

In the case of the 7255/7272

<REAR COVER>

⚠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.

3

⚠ 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.

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1

ADJUSTMENT

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HOW TO USE THIS SECTION

[1] Scope and Precautions

This section provides detailed information about adjustment items and procedures. Before addressing customer complaints, perform the following checks.

1. Check whether the power supply voltage meets the specifications.
2. Check whether the power supply is properly grounded.
3. Check whether this machine shares the power supply with any other machine that draws large current intermittently (e.g., elevator and air conditioner that produce electrical noise).
4. Check whether the installation environment is good.
   a. High temperature / High humidity, direct sunlight, ventilation, etc.
   b. Level of installed location
5. Check whether original has a problem that may cause defective images.
6. Check whether the selected density value is correct.
7. Check whether the platen glass, slit glass, etc. is soiled.
8. Check whether correct paper is used for copying.
9. Check whether copying materials and parts (e.g., developer, drum, and cleaning blade) are replenished and replaced when they reach the end of their useful life.
10. Check whether toner remains.

When servicing the machine, observe the following precautions:

11. Only either side of the AC line is shut off when the SW1 (main power) of this machine is turned off. Always unplug the power cord before starting service work. If it is necessary to service the machine with the power on, take care not to be caught in the scanning gear of the exposure unit.
12. Special care should be taken when handling the fixing unit because it operates at extremely high temperatures.
13. The developing unit has a strong magnetic field. Keep watches and measuring equipment away from it.
14. Take care not to damage the drum with tools and so on.
15. Do not touch IC pins with bare hands.

ADJUSTMENTS MADE WHEN REPLACING PARTS

Adjustments (including checks) and settings are not only required when a customer complaint about the copy image quality is received, but also after replacing or reassembling parts.

[How to Read Tables]

Components of the tables used in this section are as follows:

1. **Mode**
   Adjustment mode to be selected.
   [P]: P mode
   [25]: 25 mode
   [36]: 36 mode
   [47]: 47 mode

2. **Code**
   Code and copy quantity setting button used in each mode.

3. **Page**
   Page in the "ADJUSTMENT" section.

4. **Circled numbers**
   ① ② Indicate that adjustments (including checks) must be made in order of precedence.
   ◯ (Circle without numeric character):
   Indicates that adjustments (including checks) can be made independently.

2 LIST OF ADJUSTMENT ITEMS

Item No.	Classification by Adjustment		Adjustment Item	Mode	Page	Drum	Developer	Write unit	Dust-proof glass	Each tray unit	By-pass paper feed unit	Tray up/down wire	Registration roller	Registration unit	Registration clutch	Mis-centering detection sensor	ADU unit	CCD unit	Fixing unit	Memory board	RADF	LCT	FNS	Stapler unit	PI	PK (PK-110)	PK (PK-120)	PZ
1	Process Adjustment	High voltage adjustment	Charging grid manual adjustment	36	1-48	①														O								
2		Drum Peculiarity Adjustment	Blade setting mode		1-49	③														O								
3			Auto maximum density adjustment		1-49	④	②	①	①											O								
4			Auto dot diameter adjustment		1-50	⑤	③	②	②											O								
5			LD1 offset adjustment		1-51	⑥	④	③												O								
6			LD2 offset adjustment		1-52	⑦	⑤	④												O								
7			Auto gamma adjustment (1dot)		1-53	⑧	⑥	⑤	③											O								
8			Auto gamma adjustment (2dot)		1-54	⑨	⑦	⑥	④											O								
9			Cartridge set mode		1-54	②	①													O								
10	Image Adjustment	Tray Adjustment			1-56					O	O									O								
11		Magnification Adjustment	Printer vertical magnification adjustment		1-57								O	O						O								
12			Printer horizontal magnification adjustment		1-58			O										O		O								
13			Scanner (platen) vertical adjustment		1-58													O		O								
14			Scanner (RADF) vertical adjustment		1-59															O	O							
15		Timing Adjustment	Printer leading edge timing adjustment		1-61			O					O	O	O					O								
16			Printer registration loop adjustment		1-61															O								
17			Printer pre-registration adjustment		1-62															O								
18			Printer leading edge timing adjustment		1-62															O								
19			Scanner (platen) leading edge timing adjustment		1-63													O		O								
20			Scanner (RADF) leading edge timing adjustment		1-63													(O)		O	O							
21			Scanner (RADF) registration loop adjustment		1-64															O								
22		RADF Adjustment	RADF density adjustment		1-65															O								
23			RADF original size adjustment		1-65															O	O							
24			RADF incline offset adjustment		1-66															O	O							
25		Centering Adjustment	Printer centering adjustment		1-67				O							O				O								
26			Scanner (platen) centering adjustment		1-67													O		O								
27			Scanner (RADF) centering adjustment		1-68													(O)		O	O							
28		Warp Adjustment (Copier)	Scanner (platen) warp (main scan)		1-68													O		O								
29			Scanner (platen) warp (sub-scan)		1-68													O		O								
30			Scanner (RADF) warp (main scan)		1-68													O		O								
31			Scanner (RADF) warp (sub-scan)		1-68													O		O								
32	Finisher Adjustment	Stitch and fold stopper adjustment			1-79															O			O					
33		Folding stopper adjustment			1-79															O			O					
34		Cover sheet tray size adjustment			1-80															O					O			

Item No.	Classification by Adjustment		Adjustment Item	Mode	Page	Drum	Developer	Write unit	Dust-proof glass	Each tray unit	By-pass paper feed unit	Tray up/down wire	Registration roller	Registration unit	Registration clutch	Mis-centering detection sensor	ADU unit	CCD unit	Fixing unit	Memory board	RADF	LCT	FNS	Stapler unit	PI	PK (PK-110)	PK (PK-120)	PZ
35	Finisher Adjust-ment	Punch Adjust-ment	Punch vertical position adjustment	36	1-81															O							O	O
36			Punch horizontal position adjustment		1-81															O						O	O	O
37			Punch regist loop adjust-ment		1-81-1															O						O	O	
38	1st Z- fold position adjustment			Other Adjustments	1-81-1															O								O
39	2nd Z-fold position adjustment				1-81-2															O								O
40	Three-fold position adjustment				1-82															O			O					
41	2 positions staple pitch adjustment				1-82															O			O					
42	Tray Centering Adjustment				1-97					O												O						
43	RADF Mounting Position Adjustment				1-108																O							
44	RADF Skew Adjustment				1-109																O							
45	RADF Paper Skew Adjustment		Face side of original paper		1-110																O							
46			Back side of original paper		1-111																O							
47	PI Centering adjustment				1-129																					③		
48	PK Adjusting the Skew of Punched Holes Position				1-127																					①		
49	PK Adjusting the Vertical Positioning of Punched Holes				1-128																					②		
50	Drum Count Reset			25	1-38	O																						
51	Developer Count Reset				1-38		O																					
52	Web Counter Reset				1-38														O									

Caution: Replacing the image control board

- When a damaged image control board is replaced, the memory board on this board must be used on the new image control board.
  Only when the memory board is damaged, use a new memory board on a new control board.
  Since the new memory board does not have adjustment data, the all adjustments are required. Before making the all adjustments, make the "47mode-92(output) " setting to make the new memory board effective.
- After making any adjustment, make the “47mode -96 (output) setting”. After made the “47mode-96 (output)” setting, the adjustment data is saved.
- ⚠4 However, the “47mode-92” and -96” settings are protected to prevent them from careless operation. In order to make “47mode -92” and -96” settings using the saved adjustment data, the protection must be disabled. For the unprotection method, contact the service manager ot the authorized distributor.

LCD ADJUSTMENT

[1] LCD Control Panel Adjustment

Enter the key operator mode and select " 10 Touch panel adjustment" to adjust the LCD touch panel.

*If you cannot select the touch panel adjustment mode pressing any numeric key after entering key operator mode will take you directly to " 10 Touch panel adjustment".

[2] LCD Panel Contrast/Key Sound Adjustment

Enter the key operation mode and select " 7 LCD Panel contrast/Key sound adjustment" to adjust the contrast, backlight, and/or buzzer as desired.

SETTINGS AND ADJUSTMENTS MADE WITH THE P FUNCTION

The P function allows you to perform following numerical value checks using the P button:

1. Total counter
2. Copier counter
3. Printer counter
4. * PM counter
5. Density Shift (Auto <Text/Photo>)
6. Density Shift (Inclease Contrust)
7. Density Shift (Photo)
8. Density Shift (Text)

   * PM counter is only displayed when ! Check key is pressed on the operation panel.

[1] Checking and Printing the P Function

1. Turn ON the SW2 (sub power).
2. Press the P button.
3. Counter list is displayed.
4. Press the COUNTER MENU key.
5. Press the START button to print out the counter list. The P function is cancelled automatically.
6. If the counter list need not be displayed, press the EXIT key.

[2] Setting up the P Function

1. Turn ON the SW2 (sub power).
2. Press the SPECIAL ORIGINAL key.
3. Select the required image quality, text, photo etc. Then press the P button to set the desired density shift.
4. Enter a value (0-5) with a numeric key, then press the OK key. The smaller the value, the darker the density.
5. Press the OK key to return to the Basic screen.

MODE CHANGING MENU

[1] Mode Selection

You can select a mode from the following [Mode changing menu: [Select mode] without turning OFF and ON the power switch.

1 Basic screen

2 3-6 mode

3 2-5 mode

4 Key operation mode

5 4-7 mode

Step	Operation
1	Turn on the SW2 (sub power).
2	Press P button and wait until **[Enter password for mode selection]** message appears.
3	Enter the password 9272 and press the Start button.(Note that this password is fixed and cannot be changed.)The [Mode changing menu] appears.
4	Enter the number to select the desired mode.
5	To return to the **[Mode changing menu]**, press P button and wait until the menu appears again.
6	Upon completion of the adjustment, press EXIT key to return to the Basic screen.

25 MODE

[1] Setting the 25 Mode

This machine has an adjustment mode called the "25 Mode". Select this mode to rewrite data in the non-volatile memory or make various settings.

1. Turn OFF the SW2 (sub power).
2. While pressing the copy quantity setting button 2 and 5, turn ON the SW2 (sub power).
   The Memory setting mode menu Screen will appear.
   Now the machine is in the 25 mode, disabling normal copy operations.

[Memory setting mode menu Screen]

3. Press the numeric button of the desired setting item.
   The associated setting screen will appear.
4. Enter data in the setting screen.
5. Turning OFF the SW2 (sub power) cancels the 25 mode.
6. New data will take effect after restart.

[2] List of Adjustment Items for 25 Mode

	Adjustment Item Menu			Remarks
1	Software DIP SW setting			See "list of Software DIP Switches".
2	Paper size setting			
3	PM count	Resetting PM Count		
		Setting PM cycle		
4	Data collection (7155/7165)	1	Total count of each paper size	
		2	Copy count of each paper size	
		3	Print count of each paper size	
		4	RADF count	
		5	Pixel ratio of each section	
		6	Pixel ratio ranking list	
		7	JAM data of time series	
		8	JAM count	
		9	Count of each copy mode	
		10	SC count	
		11	JAM count of each section	
		12	SC count of each section	
△4	Data collection (7255/7272)	1	Total count of each paper size	
		2	Copy count of each paper size	
		3	Print count of each paper size	
		4	RADF count	
		5	Scanner count	
		6	Pixel ratio of each section	
		7	Pixel ratio ranking list	
		8	JAM data of time series	
		9	JAM count	
		10	Count of each copy mode	
		11	SC count	
		12	JAM count of each section	
		13	SC count of each section	
5	Parts counter	1	Count of special parts	COUNT RESET
		2	Count of each part	COUNT RESET Part name setting P/N setting Limit Setting
6	Password setting	Key Operator password		4 digits
		EKC master key code		8 digits
		Weekly timer password		4 digits
		HDD management password		4 digits
7	Telephone/Fax number setting	Customer support telephone number		16 digits
		Customer support FAX number		16 digits

Adjustment Item Menu				Remarks
8	M/C serial number setting	Main body		
		Optional tray		
		Finisher		
9	Indication of ROM version			Indication of versions of ROMs installed in the image control, printer control, finisher, and Z-fold.
⚠4 10	KRDS setting	1	Setting Host Call	See Chapter 3.
		2	Setting Host Password	
		3	Setting KRDS Phone Number	
		4	Setting KRDS Software SW	
		5	Setting KRDS Setup	
		6	Call for maintenance start	
		7	Call for maintenance end	
		8	KRDS mail setting	
11	ISW updating			
12	Setting date input			

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[3] Setting Software DIP Switches

1. Procedure

Bring up the Software DIP SW Setting screen and set software DIP switches.

Step	Operation
1	Enter the 25 mode.
2	**[Memory setting mode menu Screen]** Select " 1 Software DIP SW setting".
3	**[Software DIP SW setting screen]** Select a DIP switch number. Use the ▲ or ▼ key or numeric keys. To use numeric keys, press the DIP switch number key at the left before entering a DIP switch number.
4	Select a bit number of the selected DIP switch. Use the ▲ or ▼ key or numeric keys. To use numeric keys, press the bit number key at the upper center before entering a DIP switch number.
5	Select ON (=1), or OFF (=0) of the switch. Use the ON or OFF key. ON : Sets 1. OFF : Sets 0.
6	Press the RETURN key to return to the Memory setting mode menu Screen.

For the function of each switch, refer to “list of Software DIP Switches”.

< List of Software Switches >

Note: Be sure not to change bits with no particular reference made of the function.

DIPSW No.	Bit	Function	0	1	Initial Value		
					Japan	Inch	Metric
DIPSW 1	0	Condition for stopping copying after indication of toner supply	* 1	* 1	1	1	1
	1				0	0	0
	2	Method for stopping copying after indication of toner supply	* 2	* 2	1	1	1
	3				0	0	0
	4	Inhibition of copying when PM count is reached	Disabled	Inhibited	0	0	0
	5	Number of copies made before inhibition of copying when PM count is reached	* 3	* 3	0	0	0
	6				0	0	0
	7				0	0	0
DIPSW2	0	Hard disk connection	Disconnected	Connected	0	0	0
	1	Electrode cleaning cycle (when power is turned ON, fixing temperature is 50ºC or less)	* 4	* 4	0	0	0
	2				0	0	0
	3				0	0	0
	4	Electrode cleaning cycle (after power is turned ON)	* 5	* 5	0	0	0
	5				0	0	0
	6	-	-	-	0	0	0
	7	-	-	-	0	0	0
DIPSW3	0	-	-	-	0	0	0
	1	SC latch	Unlatched	Latched	0	0	0
	2	25, 36, 47 mode password request (password: 9272)	Not requested	Requested	0	0	0
	3	Charger cleaning function	ON	OFF	0	0	0
	4	Transfer/separation cleaning function	ON	OFF	0	0	0
	5	-	-	-	0	0	0
	6	47 mode 15-01 data collection clearing	Disabled	Enabled	0	0	0
	7	JobEditor connection	Disconnected	Connected	0	0	0
DIPSW4	0	ADF automatic skew adjustment	Enabled	Disabled	0	0	0
	1	Inhibition of postcard double sided copy	Disabled	Enabled	0	0	0
	2	-	-	-	0	1	0
	3	-	-	-	0	0	1
	4	Key counter removal recovery	Disabled	Enabled	0	0	0
	5	Inhibition of magnified APS	Enabled	Disabled	0	1	0
	6	Fixed magnification rate setting change in key operator mode	Enabled	Disabled	1	0	0
	7	A3 (11x17) counting method	Incremented by 1	Incremented by 2	0	0	0
④ DIPSW5	0	Image density selection (Toner concentration threshold)	* 7	* 7	0	0	0
	1				0	0	0
	2	Image density selection (laser PWM) for copier	* 8	* 8	1	1	1
	3				0	0	0
	4	-	-	-	0	0	0
	5	-	-	-	1	1	1
	6	-	-	-	0	0	0
	7	-	-	-	0	0	0
DIPSW 6	0	Transfer/separation output for plain paper	* 9	* 9	0	0	0
	1				0	0	0
	2				0	0	0
	3	Transfer/separation output for thick paper	* 10	* 10	0	0	0
	4				0	0	0
	5	Transfer/separation output for thin paper	* 11	* 11	0	0	0
	6				0	0	0
	7	-	-	-	0	0	0

DIPSW No.	Bit	Function	0	1	Initial Value Japan	Initial Value Inch	Initial Value Metric
④ DIPSW 7	0	Toner guide roller current correction	* 12	* 12	0	0	0
	1				0	0	0
	2	TSL user-specified paper control (7255/7272) (Note1)	Lighted	Not lighted	0	0	0
	3	TSL postcard control (7255/7272) (Note1)	Lighted	Not lighted	0	0	0
	4	-	-	-	0	0	0
	5	Transfer/separation output for recycled paper	* 13	* 13	0	0	0
	6				0	0	0
	7				0	0	0
DIPSW8	0	Image density selection (laser PWM) for IP	* 35	* 35	0	0	0
	1				0	0	0
	2	Fixing roller initial rotation	* 14	* 14	0	0	0
	3				1	1	1
	4	Fixing roller initial rotation time setting	* 15	* 15	0	1	1
	5				0	0	0
	6	A3(11 × 17) PM counter switch	1 count	2 count	0	0	0
	7	Store on hard disk	Enable	Disable	0	0	0
DIPSW 9	0	Operation at key counter removal (copy)	Same as stop key	Immediate stop (JAM)	0	0	0
	1	Operation at key counter removal (IP)	Ignored	Same as DIPSW9-0	0	0	0
	2	Message switching	* 16	* 16	0	0	0
	3				0	0	0
	4	Copy count limit	* 17	* 17	0	0	0
	5				0	0	0
	6				0	0	0
	7				0	0	0
④ DIPSW10	0	Page memory allocation when powered.	* 18	* 18	0	0	0
	1				0	0	0
	2	Page memory allocation when job starts	* 19	* 19	0	0	0
	3	Duplex shift printing from Adobe PS3 (7155/7165) (Note2)	Common shift	Independent shift	0	0	0
		Fixing low power recalling temperature setting (7255/7272) (Note3)	Recalled after 45 seconds	Recalled after 30 seconds	0	0	0
	4	Transfer/separation output for high-quality paper	* 20	* 20	0	0	0
	5				0	0	0
	6				0	0	0
	7				0	0	0
④ DIPSW11	0	-	-	-	0	0	0
	1	-	-	-	0	0	0
	2	Index paper rear end erasing amount	3mm erased	1mm erased	0	0	0
	3	SC/E code screen switchover	Switched	Not switched (All are F codes)	0	0	0
	4	Selection of filter for jagged edges on slanting lines	Not selected	Selected	0	0	0
	5	Tone switchover in photo mode	2bitED-2dot PWM	1bitED-1dot PWM	0	0	0
	6	Fixing control for domestic normal temperature and normal humidity environment (7255/7272)	Priority in WUT	Priority in fixing condition	0	0	0
	7	JAM indication screen type	Without Jam code	With Jam code	0	0	0

④ **Note 1:** TSL does not light up at all when "Not lighted" is selected.
When "Lighted" is selected, TSL does not light up for the last one-fifth part of a copy paper divided in the feeding direction but lights up for the remained four-fifth part.

Note 2: When printing from Adobe PS3 driver in duplex mode with image shift function, shift amount of copier (it can set from "APLICATION-Image sift") is used for print job.
0: Both front and back side is decided by the front side shift amount data of copier.
1: The shift data for each front and back side set in copier is used for duplex print mode.

④ **Note 3:** The time recalled from low-powered state can be selected from 45 seconds or 30 seconds.
For the temperature set for low-powered state, the temperature set for 30-second lapse is higher than that for 45-second lapse.

	DIPSW No.	Bit	Function	0	1	Initial Value		
						Japan	Inch	Metric
4	DIPSW 12	0	Black stripe creation interval	Every 10 copies (7155/7165) Every 12 copies (7255/7272)	Every 50 copies (7155/7165) Every 60 copies (7255/7272)	0	0	0
		1	Coin vendor paper size signal switchover (7155/7165)	A3	A3R	0	0	0
			Shifting from A3 to A3R (7255/7272)	Disabled	Enabled	0	0	0
		2	-	-	-	0	0	0
		3	Printer automatic centering correction	Enable	Disable	0	0	0
		4	High voltage output in 36/47 mode	Not output	Output	1	1	1
		5	Paper exit direction of booklet mode	Face down	Face up	0	0	0
		6	-	-	-	0	0	0
		7	-	-	-	0	0	0
	DIPSW 13	0	Size detection 1	A5	5.5 x 8.5	0	1	0
		1	Size detection 2	A4R	8.5 x 11R	0	1	0
		2	Size detection 3	8.5 x 14	F4	0	0	1
		3	Size detection 4	* 21	* 21	0	0	0
		4				0	1	0
		5	F4 size detection	* 22	* 22	0	0	0
		6				0	0	0
		7	-	-	-	0	0	0
	DIPSW14	0	Size detection 5 (main body)	B4 : 11 x 17/ B5 : 8.5 x 11/B5R	8K/16K/16KR	0	0	0
		1	-	-	-	0	0	0
		2	-	-	-	0	0	0
		3	Size detection 5 (by-pass feed)	B4 : 11 x 17/ B5 : 8.5 x 11/B5R	8K/16K/16KR	0	0	0
		4	Size detection 5 (platen)	B4 : 11 x 17/ B5 : 8.5 x 11/B5R	8K/16K/16KR	0	0	0
		5	Size detection 5 (ADF)	B4 : 11 x 17/ B5 : 8.5 x 11/B5R	8K/16K/16KR	0	0	0
		6	Size detection 5 (PI)	B4 : 11 x 17/ B5 : 8.5 x 11/B5R	8K/16K/16KR	0	0	0
		7	-	-	-	0	0	0
4	DIPSW15	0	KRDS type selection	Telephone line	E-mail	0	0	0
		1	Maximum number of sheets to an be stapled	* 23	* 23	0	0	0
		2				0	0	0
		3	FNS alarm stop SW	* 24	* 24	0	0	0
		4				0	0	0
		5	KRDS connection	Disconnected	Connected	0	0	0
		6	Dmax. value in printer mode	1.43	1.35	0	0	0
		7	Large-size table limit change (7255/7272)	Not changed	-20 copies	0	0	0
4	DIPSW16	0	Remote diagnosis system selection (7255/7272)	KRDS	EP-NET	0	0	0
		1	Copy Reserve Function	Enabled	Disabled	0	0	0
		2	Index original + RADF double-sided	Disabled	Enabled	0	0	0
		3	Key counter counting in printer mode	Not counted	Counted	0	0	0
		4	TC start date indication (P mode)	Indicated	Not indicated	0	0	0
		5	Non-original area automatic erasure mode judgement level	* 25	* 25	0	0	0
		6				0	0	0
		7	E-mail KRDS NIC selection	IP NIC	Copier NIC	0	0	0
	DIPSW17	0	Weekly timer summer time setting	* 26	* 26	0	0	0
		1				1	1	1
		2				1	1	1
		3				0	0	0
		4	Density selection for scanning tab paper	* 27	* 27	0	0	0
		5				0	0	0
		6				0	0	0
		7	-	-	-	0	0	0

DIPSW No.	Bit	Function	0	1	Initial Value		
					Japan	Inch	Metric
DIPSW18	0	Tray 1's faulty part isolation	Normal	Unavailable	0	0	0
	1	Tray 2's faulty part isolation	Normal	Unavailable	0	0	0
	2	Tray 3's faulty part isolation	Normal	Unavailable	0	0	0
	3	LCT faulty part isolation	Normal	Unavailable	0	0	0
	4	ADF faulty part isolation	Normal	Unavailable	0	0	0
	5	Folding, stapling and three-holding faulty part isolation	Normal	Unavailable	0	0	0
	6	PI faulty part isolation	Normal	Unavailable	0	0	0
	7	HDD faulty part isolation	Normal	Unavailable	0	0	0
DIPSW 19	0	-	-	-	0	0	0
	1	Fixing temperature setting switch over	* 28	* 28	0	0	0
	2				0	0	0
	3				0	0	0
	4	PZ -fold faulty part isolation	Normal	Unavailable	0	0	0
	5	PK faulty part isolation	Normal	Unavailable	0	0	0
	6	IP scanner default resolution	* 29	* 29	0	0	0
	7				0	0	0
DIPSW20	0	Group stapling	Disabled	Enabled	0	0	0
	1	Original size scanning with shift function (Note3)	Normal	Original priority	0	0	0
	2	Stamp page number switching	Based on original	Based on transfer paper	0	0	0
	3	Keyboard layout	ABC layout	QWERTY layout	0	0	0
	4	-	-	-	0	0	0
	5	-	-	-	0	0	0
	6	-	-	-	0	0	0
	7	Tandem connection	Disconnected	Connected	0	0	0
④ DIPSW21	0	Mixed sized print stapling inhibition (IP)	Enabled (real-time output)	Disabled (batch processing)	0	0	0
	1	LCT size setting in key operator mode	Disabled	Enabled	0	0	0
	2	Original count display	Displayed	Not displayed	0	0	0
	3	-	-	-	0	0	0
	4	-	-	-	0	0	0
	5	-	-	-	0	0	0
	6	Special paper APS response	Disabled	Enabled (except thick paper)	0	0	0
	7	IP scanner 600/400dpi	Enabled	Disabled	0	0	0
④ DIPSW22	0	IP address setting	Inhibited	Allowed	1	1	1
	1	Number of punched holes	* 30	* 30	0	1	0
	2				0	0	1
	3	Image reference position of unspecified size of paper	-	-	0	0	0
	4	Power save button function	Enabled	Disabled	0	0	0
	5	Correspondence of PZ-109 (7155/7165)	Not correspond	Correspond	0	0	0
		Automatic punch hole switching unit (7255/7272)	Not provided	Provided	0	0	0
	6	FNS no staple operation	Staple supply requested	Request for staple supply and stapling canceled	0	0	0
	7	JAM indication screen type	Position	Illustration	0	0	0

Note 3: When "Normal" is selected, the original size is compared with the copy paper size and the smaller one is assumed to be the image area size. When "Original priority" is selected, the original size is compared assumed to be the image area size only when the image shift mode is selected.

	DIPSW No.	Bit	Function	0	1	Initial Value		
						Japan	Inch	Metric
	DIPSW23	0	-	-	-	0	0	0
4		1	Operation when printer EKC password is not matched	Counted and output to EKC or other user domain	Not output (display it on the JOB list that is not produced)	0	0	0
		2	Image density selection (toner density selection of developer)	* 31	* 31	0	0	0
		3				0	0	0
		4	-	-	-	0	0	0
		5	Postcard face up ejection (7255/7272)	Disabled	Determined by engine/IP setting	0	0	0
		6	Registration of by-pass special paper setting for JOB memory	Prohibited	Allowed	0	0	0
		7	Ejection of the thick paper 2 to sub-tray (IP)	Face-down	Face-up	0	0	0
4	DIPSW24	0	Method of accessing Hard disk JOB	Password	Password + file name	0	0	0
		1	Job Editor image transfer method default setting	Automatic	Manual	0	0	0
		2	-	-	-	0	0	0
		3	Additional providing of platen-specific machine	Disabled	Enabled	0	0	0
		4	Maximum number of sheets with Z-folding (main tray)	* 33	* 33	0	0	0
		5				0	0	0
		6	Maximum number of sheets with Z-folding + stapling (main tray)	* 34	* 34	0	0	0
		7				0	0	0
4	DIPSW25	0	IP scanner image format	TIFF	TIFF/PDF	0	0	0
		1	-	-	-	0	0	0
		2	Mixplex rotation control	Each job	Each page	0	0	0
		3	-	-	-	0	0	0
		4	CPF signal switching for user specified paper when vendor (D-103) is used (7255/7272)	Disabled	Enabled	0	0	0
		5	Coin vendor reset timing	When coin is inserted	When coin runs out	0	0	0
		6	Image shift on tandem sub machine (IP).	Master machine data	Sub machine data	0	0	0
		7	Proof/wait with tandem mode (IP).	Disabled	Enabled	0	0	0
4	DIPSW26	0	-	-	-	-	-	-
		1	Setting of document size to be defined large-size by scanner count	Sub-scan: 338mm or more	Sub-scan: 391mm or more	0	0	0
		2	-	-	-	-	-	-
		3	-	-	-	-	-	-
		4	-	-	-	-	-	-
		5	-	-	-	-	-	-
		6	-	-	-	-	-	-
		7	-	-	-	-	-	-

DIPSW No.	Bit	Function	0	1	Initial Value		
					Japan	Inch	Metric
DIPSW27	0	Image's gray background control at power ON (toner density reduction control) *32	Not performed	Performed	0	0	0
	1	Image's gray background control at power ON (toner recycle MC control during printing) *32	Not performed	Performed	0	0	0
	2	Toner supply operation (use prohibited)	Performed	Not performed	0	0	0
	3	Image's gray background control at power ON (drum/developer rotation control at power ON after γ correction) *32	Not performed	Performed	0	0	0
	4	Image density optimization control (use prohibited)	Performed	Not performed	0	0	0
	5	Image's gray background control at power ON (toner recycle MC ON control during drum/developer rotation performed when the power is turned ON) *32	Not performed	Performed	0	0	0
	6				0	0	0
	7	Image's gray background control at power ON (toner recycle MC ON control during Dmax and γ correction) *32	Not performed	Performed	0	0	0
④ DIPSW28	0	Correspondence of Mixplex (IP)	Correspond	Not correspond	0	0	0
	1	IP scanner function	Enabled	Disabled	0	0	0
	2	Connecting tray 4 (7255/7272)	Disabled	Enabled	0	0	0
	3	Limitation of punch function	Selected	Not selected	0	0	0
	4	-	-	-	0	0	0
	5	Centering adjustment in key operation mode (7255/7272)	Not available	Available	0	0	0
	6	-	-	-	0	0	0
	7	-	-	-	0	0	0
④ DIPSW29	0	Correspondence of E-mail KRDS (IP) (7155/7165)	Not correspond	Correspond	0	0	0
		Correspondence of E-mail KRDS (IP) (7255/7272)	Not correspond	Correspond	1	1	1
	1	Correspondence of memory overflow when IP printing	*36	*36	0	0	0
	2				0	0	0
	3	Include of proof copy to the set copy quantity	Not included	Included	0	0	0
	4	Detection size at minimum size 5.5 x 8.5R (7255/7272)	Special size	5.5 x 8.5R	0	0	0
	5	-	-	-	0	0	0
	6	-	-	-	0	0	0
	7	Initialization when connecting HDD (Even though initializing is preset, the setting is shifted from 1 to 0 after the initializing is completed.) (7255/7272)	Not initialized	Initialized (It is turned OFF when the initializing is completed.)	0	0	0

	DIPSW30	0	-	-	-	0	0	0
		1	25 mode collection data 7-12 for checking	Display restriction	No display restriction	0	0	0
		2	-	-	-	0	0	0
		3	-	-	-	1	1	1
		4	-	-	-	0	0	0
		5	-	-	-	0	0	0
		6	-	-	-	0	0	0
		7	Passwords to save/access hard disk JOB	Not displayed	Displayed	0	0	0
4	DIPSW32	0	-	-	-	-	-	-
		1	-	-	-	-	-	-
		2	-	-	-	-	-	-
		3	Double-sided copy of non-standard size papers	Disabled	Enabled	0	0	0
		4	-	-	-	-	-	-
		5	-	-	-	-	-	-
		6	-	-	-	-	-	-
		7	-	-	-	-	-	-
4	DIPSW33	0	Fixing linear velocity adjustment	*37	*37	0	0	0
		1				0	0	0
		2				0	0	0
		3				0	0	0
		4	-	-	-	-	-	-
		5	-	-	-	-	-	-
		6	-	-	-	-	-	-
		7	-	-	-	-	-	-

Blank page

*1 Condition for stopping copying after indication of toner supply request

Mode	1-1	1-0
Stops after printing 1,500 copies	0	0
Stops after printing 3,000 copies	0	1
Stops after printing 4,000 copies	1	0
Stops after printing 5,000 copies	1	1

*2 Method for stopping copying after indication of toner supply request

Mode	1-3	1-2
Stops after ejecting the paper remaining in the machine	0	0
Stops after printing specified number of copies	0	1
Stops at the end of the current job	1	0
Does not stop	1	1

*3 Number of copies made before inhibition of copying when PM count is reached

Mode	1-7	1-6	1-5
1,000 copies	0	0	0
2,000 copies	0	0	1
3,000 copies	0	1	0
4,000 copies	0	1	1
5,000 copies	1	0	0
1,000 copies	1	0	1
1,000 copies	1	1	0
1,000 copies	1	1	1

*4 Electrode cleaning cycle (fixing temperature is 50℃ or lower when power is turned ON)

Mode	2-3	2-2	2-1
When power is tured ON	0	0	0
5,000 copies	0	0	1
10,000 copies	0	1	0
15,000 copies	0	1	1
20,000 copies	1	0	0
25,000 copies	1	0	1
30,000 copies	1	1	0
Not cleaned	1	1	1

*5 Electrode cleaning cycle (after power is turned ON)

Mode	2-5	2-4
10,000 copies	0	0
20,000 copies	0	1
30,000 copies	1	0
40,000 copies	1	1

△3

*7 Image density selection
(toner concentration threshold)
These bits set the read level of the toner concentration patch formed on the drum to determine the toner concentration. Against image excessive density, image blur, and toner scattering in all tone areas, the setting should be made by shifting the threshold of black color to the positive side.
Against insufficient density in all tone areas, shift to the negative side.

- Standard -10:The image becomes darker.
- Standard +10:The image becomes lighter.
- Standard +20:The image becomes far lighter.

Mode	5-1	5-0
Standard	0	0
Standard -10	0	1
Standard +10	1	0
Standard +20	1	1

△3

Note: There are three DIP switches to change the image density : 5-0/1 (toner concentration threshold, 5- 2/3 (laser PWM), and 23-2/3 (toner density of developer).
The priority of order of these adjustments are as follows :
(1) Laser PWM
(2) Toner density of developer
(3) Toner concentration threshold

△3 *8 Image density selection (laser PWM) for copier
These bits set image write laser PWM. Against exessive density of 100% black color, thick letters and lines, and excessive toner consumption, the setting should be made by selecting “light.” In the opposite case, select “dark.”

Mode	5-3	5-2
Darker (255)	0	0
Normal (235)	0	1
Lighter (215)	1	0

Note: There are three DIP switches to change the image density :
5-0/1(toner concentration threshold), 5-2/3 (laser PWM), and 23-2/3 (toner density of developer). The priority of order of these adjustments are as follows:
(1) Laser PWM
(2) Toner density of developer
(3) Toner concentration threshold

*9 Transfer/separation output for plain paper
These bits are used when "- - - -", "Normal", "Color", "Special" or "Seal" is selected for "Paper type/special size setting" in the key operator mode.
When "User paper" is selected with this bit, the transfer/separation output for the "user paper setting" made in the 36 mode is applied.
When "No specification" is selected, the output data by destination and paper size (metric or inch system) (**Japan**/metric: 64g/m^2 plain paper, Inch: 20 lb plain paper, **Inch area** / Inch: 20 lb plain paper, metric: 80g/m^2 plain paper, **Metric area**/metric: 80g/m^2 plain paper, Inch: 20 lb plain paper) is used.

Mode	6-2	6-1	6-0
No specification	0	0	0
Not used	0	0	1
Not used	0	1	0
Not used	0	1	1
Recycled paper 1 (Japan)	1	0	0
Recycled paper 2 (Inch area)	1	0	1
Recycled paper 3 (Metric area)	1	1	0
User paper	1	1	1

*10 Transfer/separation output for thick paper
This bit is used when "Thick" is selected for "Paper type/special size setting" in the key operator mode to change transfer/separation output, linear speed, and fixing temperature.
When "No specification" is selected, standard data for 170g/m^2 or heavier paper is used.

- 170g/m^2 or heavier (TSL OFF) : When toner is scattered around the image.
- Plain paper : Transfer / separation data for plain paper of each destination is used to set only the line speed and fixing temperature for thick paper. This setting is applied when the fixing condition is insufficient even though paper is not so thick.

Mode	6-4	6-3
No specification	0	0
170 g/m^2 or more (TSL OFF)	0	1
Plain paper	1	0

*11 Transfer/separation output for thin paper
This bit is used when "Thin" is selected for "Paper type/special size setting" in the key operator mode.
When "No specification" is selected, the output data by destination (**Japan**: 52.4 g/m^2 paper, **Inch area**: 16lb, paper, **Metric area**: 48g/m^2 paper) is used.

Mode	6-6	6-5
No specification	0	0
52.4 g/m^2 paper	0	1
64 g/m^2 paper	1	0

*12 Toner guide roller current correction
When the room temperature causes defect cleaning, the bias value of the toner guide roller should be changed to +10 µA or +20 µA. If the original setting value is changed without any defective cleaning observed, the drum can be damaged, or the toner may be spilled. In this case, the use of copier is never recommended.

Mode	7-1	7-0
Standard	0	0
Approx. +10 µA	0	1
Approx. +20 µA	1	0
No correction	1	1

*13 Transfer/separation output for recycled paper
These bits are used when "Recycle" is selected for "Paper type/special size setting" in the key operator mode.
When "User paper" is selected with these bits, the transfer/separation output for the user paper setting made in the 36 mode is applied. When "No specification" is selected, output data by destination and paper size (metric or inch series) (**Japan**/metric: 64 g/m^2 recycled paper, Inch: 20 lb recycled paper, **Inch area**/inch: 20 lb recycled paper, metric: 80g/m^2 recycled paper, **Metric area**/metric: 80g/m^2 recycled paper, inch: 20 lb recycled paper) is used.
When humid paper causes uneven image, select "humid paper 1/2/3".

Mode	7-7	7-6	7-5
No specification	0	0	0
64 g/m^2 standard paper (Japan)	0	0	1
20 lb standard paper (USA)	0	1	0
80g/m^2 standard paper (Europe)	0	1	1
Humid paper 1 (Japan)	1	0	0
Humid paper 2 (USA)	1	0	1
Humid paper 3 (Europe)	1	1	0
User paper	1	1	1

*14 Fixing roller initial rotation
Fixing may be insufficient if the temperature of the place where the machine is installed is low. To prevent this, increase the warm-up time (fixing roller initial rotation time) to allow the fixing roller to be evenly warmed up. This bit specifies the condition(s) under which initial rotation of the fixing roller is required.

- Low temperature: Initial rotation of the fixing roller is carried out only under the low temperature condition.
- Low and normal temperatures: Initial rotation of the fixing roller is carried out under low and normal temperature conditions.
- Low, normal, and high temperatures: Initial rotation of the fixing roller is carried out under low, normal, and high temperature conditions.

Mode	8-3	8-2
Low temperature	0	0
Low and normal temperature	0	1
Low, normal, and high temperatures	1	0
No initial rotation	1	1

*15 Fixing roller initial rotation time setting
This bit sets the maximum time of initial rotation of the fixing roller.

7155/7165

Mode	8-5	8-4
2 minutes (Japan)	0	0
3 minutes (Inch and Metric series)	0	1
4 minutes	1	0
10 minutes	1	1

△4 **7255/7272**

Mode	8-5	8-4
80 seconds (Japan, High temperature and high humidity) 100 seconds (Japan, Except for high temperature and high humidity) 180 seconds (Inch and Metric series, High temperature and high humidity) 150 seconds (Inch and Metric series, Except for high temperature and high humidity)	0	0
2 minutes	0	1
3 minutes	1	0
4 minutes	1	1

*16 Message switching

Mode	9-3	9-2
Please insert key counter.	0	0
Please insert copy card.	0	1
Please insert coin.	1	0
Please insert key counter.	1	1

*17 Copy count limit

Mode	9-7	9-6	9-5	9-4
No limit	0	0	0	0
1 copy	0	0	0	1
3 copies	0	0	1	0
5 copies	0	0	1	1
9 copies	0	1	0	0
10 copies	0	1	0	1
20 copies	0	1	1	0
30 copies	0	1	1	1
50 copies	1	0	0	0
99 copies	1	0	0	1
250 copies	1	0	1	0
No limit	1	0	1	1
No limit	1	1	0	0
No limit	1	1	0	1
No limit	1	1	1	0
No limit	1	1	1	1

*18 Page memory allocation when powered

Mode	10-1	10-0
No allocation	0	0
32 MB (default for DP65)	0	1
64 MB	1	0

*19 Page memory allocation when starts

When memory overflow occurs in a mode where page memory is used, this bit allocates page memory at the start of job to print out copied paper, the data of which was already read in the memory.

Page memory quantity differs as in the following table, according to the number of gradation.

1 bit ED	18 MB (A3 x 2)
2 bit ED	36 MB (A3 x 2)

Mode	10-2
No allocation	0
Allocated	1

When “Allocated” is selected by DIP switch 10-0 or 10-1 with power supply ON, this setting has priority.

*20 Transfer/separation out put for high-quality paper

These bits are used when “High-quality” is selected for “Paper type/special size setting” in the key operator mode.

When “No specification” is selected, output data by paper size (metric or inch system) (metric: 64g/m^2 standard paper, Inch: 20 lb standard paper) is used.

4

Mode	10-7	10-6	10-5	10-4
No specification	0	0	0	0
64 g/m^2 paper for printing press	0	0	0	1
80g/m^2 paper for printing press	0	0	1	0
Copied backing papers (7255/7272)	0	0	1	1

*21 Size detection 4

Destination	Mode	13-4	13-3
Metric series	A5R	0	0
	B6R	0	1
Inch series	5.5 x 8.5R	1	0

*22 F4 size detection

Mode	13-6	13-5
8 x 13	0	0
8.25 x 13	0	1
8.125 x 13.25	1	0
8.5 x 13	1	1

*23 Maximum number of sheets that can be stapled

Mode	15-2	15-1
50 sheets	0	0
45 sheets	0	1
40 sheets	1	0
35 sheets	1	1

*24 FNS alarm stop SW

Mode	15-4	15-3
Stop immediately after detection	0	0
Stop at end of copy after detection	0	1
No alarm stop	1	0
No alarm stop	1	1

*25 Selection of area to be erased in non-original area automatic erasure

These bits are used to make a setting associated with the non-original automatic erasure mode (application function).

Mode	16-6	16-5
Standard	0	0
Dark original	0	1
Coping with light interference	1	0

*26 Weekly timer summer time setting

Mode	17-3	17-2	17-1	17-0
0 minute	0	0	0	0
10 minutes	0	0	0	1
20 minutes	0	0	1	0
30 minutes	0	0	1	1
40 minutes	0	1	0	0
50 minutes	0	1	0	1
60 minutes	0	1	1	0
70 minutes	0	1	1	1
80 minutes	1	0	0	0
90 minutes	1	0	0	1
100 minutes	1	0	1	0
110 minutes	1	0	1	1
120 minutes	1	1	0	0
130 minutes	1	1	0	1
140 minutes	1	1	1	0
150 minutes	1	1	1	1

*27 Density selection for scanning tab paper

The higher the brightness level, the higher the density.

Mode	17-6	17-5	17-4
80 (brightness level)	0	0	0
40	0	0	1
60	0	1	0
100	0	1	1
120	1	0	0
160	1	0	1
200	1	1	0
255(not clipped)	1	1	1

*28 Fixing temperature setting switch over

This setting is performed to change fixing temperature when fixing is insufficient or paper curl is excessive.

This setting is effective only when standard paper is used. Therefore, it is not applied when thick or thin paper is used or temperature is specified in power mode.

- Standard Standard setting value
- Standard+α Set when fixing is insufficient
- Standard-α Set when paper curl is excessive

Mode	19-3	19-2	19-1
Standard	0	0	0
Standard+5°C	0	0	1
Standard+10°C	0	1	0
Standard+15°C	0	1	1
Standard-5°C	1	0	0
Standard-10°C	1	0	1
Standard-15°C	1	1	0
Standard+20°C	1	1	1

*29 IP scanner default resolution

Mode	19-7	19-6
400dpi	0	0
600dpi	0	1
200dpi	1	0
300dpi	1	1

△3 *30 Number of punched holes

Mode	22-2	22-1
2 holes (Japan)	0	0
3 holes or 2 and 3 holes (Inch area)	0	1
4 holes or 2 and 4 holes (Metric area)	1	0

*31 Image density selection (toner density selection of developer)
These bits set the toner density of developer by changing toner supply threshold and developing sleeve rotation speed with image density unchanged.
Decrease toner density when the image is gray background or toner is scattered. Increase toner density when the image is unevenly transferred or white spots occur.

Mode	23-3	23-2
Standard toner density	0	0
Approx. 0.75% up	0	1
Approx. 0.75% down	1	0
Approx. 1.5% down	1	1

Note: There are three DIP switches to change the image density : 5-0/1 (toner concentration threshold), 5-2/3 (lase PWM), and 23-2/3 (toner density of developer). The priority of order of these adjustment are as follows:
(1) Laser PWM
(2) Toner density of developer
(3) Toner concentration threshold

*32 Image's gray background control at power ON
If an image's gray background problem occurs while making about 100 copies after power ON (the fixing temperature is 50°C or lower), set bits 0, 1, 3, 5, 6, and 7 of DIPSW27 to 1.

Note: When this setting is used, be sure to set six bits to 1 all together. And never set bits 2 and 4 of DIPSW27 to 1.

△4 7255/7272 models enable to set the control time of DIPSW27-5/6 (turning-ON control of toner recycle MC during drum/developer rotation).

Mode	27-6	27-5
None	0	0
30 seconds	0	1
45 seconds	1	0
60 seconds	1	1

*33 Maximum number of sheets with z-folding (main tray)

Mode	24-5	24-4
Up to 50 sheets	0	0
Up to 40 sheets	0	1
Up to 30 sheets	1	0
Up to 20 sheets	1	1

*34 Maximum number of sheets with z-folding + stapling

Mode	24-7	24-6
Up to 5 sheets	0	0
Up to 8 sheets	0	1
Up to 10 sheets	1	0
Up to 3 sheets	1	1

*35 Image density selection (laser PWM) for IP

Mode	8-1	8-0
Normal (235)	0	0
Dark (255)	0	1
Lighter (175)	1	0
Lightest (150)	1	1

*36 Countermeasure for memory overflow during IP printing
When copier stops due to paper empty and so on during large amount printing from IP without reserved print, memory overflow will occur on copier, and then time out will occur on PC. When remaining capacity of E-RDH memory is reached to the specified amount, the transmission speed from IP to E-RDH memory will be delayed to gain time until memory overflow occurs.

Mode	29-2	29-1
No cuuntermeasure	0	0
Remaining capacity 10%	0	1
Remaining capacity 20%	1	0
Remaining capacity 30%	1	1

△4 *37 Fixing linear velocity adjustment

To protect from transfer misalignment, the fixing linear velocity can be adjusted to the conveyance linear velocity.

Mode	33-3	33-2	33-1	33-0
0%	0	0	0	0
-0.2%	0	0	0	1
-0.4%	0	0	1	0
-0.6%	0	0	1	1
-0.8%	0	1	0	0
-1.0%	0	1	0	1
-1.2%	0	1	1	0
-1.4%	0	1	1	1
-1.6%	1	0	0	0
+0.2%	1	0	0	1
+0.4%	1	0	1	0
+0.6%	1	0	1	1
+0.8%	1	1	0	1
+1.0%	1	1	0	1
+1.2%	1	1	1	0
+0.4%	1	1	1	1

[4] Setting the Paper Size

When the LCT paper type is changed, it must be stored in the main body. This setting is effective when an optional LCT is added.
Select a paper size among standard, non-standard paper sizes. After selecting a tray size, specify a paper size.

△4 **Note:** In 7255/7272 models, when tray 1 or 2 is selected, [Non STD size] or [Wide size paper] are not displayed.

1. Setting the standard size

	Step	Operation
	1	Enter the 25 mode.
	2	**[Memory setting mode menu Screen]** Select " 2 Paper size setting".
△4	3	**[Paper size setting mode Screen]** Select necessary tray and press the STD SIZE key.
	4	Press the ▲ or ▼ button to select a paper size.
	5	Press the OK key to finish setting.To cancel the new setting, press the CANCEL key, Pressing either key will display the Memory setting mode menu Screen again.

2. Setting the non-standard size

Step	Operation
1	Enter the 25 mode.
2	**[Memory setting mode menu Screen]** Select " 2 Tray Size Setting."
④ 3	**[Paper size setting mode Screen]** Select necessary tray and press the Non STD size key.
4	**[Paper size input Screen]** Press the key for specifying the main (vertical) scanning direction to highlight it.
5	Press the ▲ or ▼ key or numeric keys to enter the size in the main (vertical)scanning direction. Max. 314 mm
6	Press the key for specifying the sub (horizontal) scanning direction to highlight it.
7	Press the ▲ or ▼ key or numeric keys to enter the size in the sub (horizontal) scanning direction. Max. 223 mm(LT-402), 459mm(LT-412)
8	Press the OK key to finish setting. To cancel the new setting, press the CANCEL key. Pressing either key will display the Memory setting mode menu Screen again.

3. Setting the wide paper

Step	Operation
1	Enter the 25 mode.
2	**[Memory setting mode menu Screen]** Select " 2 Paper size setting."
④ 3	**[Paper size setting mode Screen]** Select necessary tray and press the Wide size paper key.
4	**[Paper size selecting Screen]** Press the ▲ or ▼ key to select a wide paper size.
5	Input size key.
6	**[Paper size input Screen]** Press the key for specifying the main (vertical) scanning direction to highlight it.
7	Press the ▲ or ▼ key or numeric keys to enter the size in the main (vertical) scanning direction. Max. 314 mm
8	Press the button for specifying the sub (horizontal) scanning direction to highlight it.
9	Press the ▲ or ▼ key or numeric keys to enter the size in the sub (horizontal) scanning direction. Max. 223mm(LT-402), 459mm(LT-412)
10	Press the OK key to finish setting. To cancel the new setting, press the CANCEL key. Pressing either key will display the Memory setting mode menu Screen again.

Reference 1:
Each time the current tray size is changed on this screen, the new setting will be written into the non-volatile memory.

[5] PM Count Resetting

Care should be taken not to reset the PM count by mistake.

Step	Operation
1	Enter the 25 mode.
2	**[Memory setting mode menu Screen]** Select " 3 PM count".
3	**[PM count/cycle Screen]** Press the COUNT RESET key.
4	**[Reset Confirmation Screen]** Press the YES key.The PM count is reset and the start date is input automatically. Pressing the NO key closes the Reset Confirmation screen at once.
5	Press the OK key to finish setting. To cancel the new setting, press the CANCEL key. Pressing either key will display the Memory setting mode menu Screen again.

[6] Setting the PM Cycle

This function allows you to change the PM cycle.

Caution: The PM cycle is factory-set. Use this function to change the factory-set PM cycle.

Step	Operation
1	Enter the 25 mode.
2	**[Memory setting mode menu Screen]** Select " 3 PM count".
3	**[PM count/cycle Screen]** Press the PM Cycle Setting key.
4	After making sure that three digits of the cycle value are displayed in reverse video, enter a desired cycle value using numeric keys. Only the three digits of the cycle value can be entered. The entered digits will be shifted to the left one after another.
5	Press the OK key to finish setting. To cancel the new setting, press the CANCEL key. Pressing either key will display the Memory setting mode menu Screen again.

[7] Collecting Data

This function allows you to view various data retained by the machine.

Reference: The above data can also be viewed using the data collection function of the KRDS.

1. Data that can be Viewed

In the case of the 7155/7165

No.	Data Type	Pre-operation
1	Total count of each paper size	
2	Copy count of each paper size	
3	Print count of each paper size	
4	RADF count	
5	Pixel ratio of each section	
6	Pixel ratio ranking list	
7	JAM data of time series	Enter the 25 mode, select " 1 Software DIPSW Setting", and set bit 1 of address 30-1 to 1. (Note 1)
8	JAM count	
9	Count of each copy mode	
10	SC count	
11	JAM count of each section	
12	SC count of each section	

Note: When bit 1 of DIP switch 30-1 is set to 0, only collected data 1 to collected data 6 can be viewed.

△4 **In the case of the 7255/7272**

No.	Data Type	Pre-operation
1	Total count of each paper size	
2	Copy count of each paper size	
3	Print count of each paper size	
4	RADF count	
5	Scanner count	
6	Pixel ratio of each section	
7	Pixel ratio ranking list	
8	JAM data of time series	Enter the 25 mode, select " 1 Software DIPSW Setting", and set bit 1 of address 30-1 to 1. (Note 1)
9	JAM count	
10	Count of each copy mode	
11	SC count	
12	JAM count of each section	
13	SC count of each section	

Note: When bit 1 of DIP switch 30-1 is set to 0, only collected data 1 to collected data 7 can be viewed.

2. Viewing Collecting Data No.1 to No.6

Step	Operation
1	Enter the 25 mode.
2	**[Memory setting mode menu Screen]** Select " 4 Data collection".
3	△4 **[Collecting data menu Screen]** Select the collecting data you want to view by pressing one of numeric keys 1 to 6 (7155/7165), 1 to 7 (7255/7272).
4	**[Individual data view Screen]** View the selected data by scrolling the screen using the ↓ and ↑ keys.
5	Press the RETURN key to return to the Memory setting mode menu Screen.

3. Viewing Collecting Data No.7 to No.12 (7155/7165), No.8 to 13 (7255/7272)

Step	Operation
1	Enter the 25 mode.
2	**[Memory setting mode menu Screen]** Select " 1 Software DIP SW setting".
3	**[Software DIP SW Setting Screen]** Set bit 1 of DIP switch 30-1 to 1.
4	Press the RETURN key to return to the Memory setting mode menu Screen.
5	**[Memory setting mode menu Screen]** Select " 4 Data Collection".
△4 6	**[Collecting data menu Screen]** Select the collected data you want to view by pressing one of numeric keys 7 to 12 (7155/7165), 8 to 13 (7255/7272). To select the key 11 or later press the ⬇ key. If the ⬆ key is pressed with key 11 displayed, the Collected Data Selection screen containing keys 1 to 10 appears again.
7	**[Individual data view Screen]** View the selected data by scrolling the screen using the ⬇ and ⬆ keys. (Note)
8	Press the RETURN key to return to the Memory setting mode menu Screen.

△4 **Note:** On the Individual Data View screen showing the JAM count of each section (collected data 11 (7155/7165), 12 (7255/7272)) or SC count of each section (collected data 12 (7155/7165), 13 (7255/7272)), the COUNT RESET key appears.
Pressing the COUNT RESET key resets the selected data count.

4. Details on Display Data

(1) Collecting data No.1 to No.3: Total/copy/print counts of each paper size

④ NO	KRDS parameter (B1, B6, B8)	Destination			Maximum count	Remarks
		Japan	Inch area	Metric area		
1	00	A2	17x22	A2	99999999	Not counted and 0 is sent. (7255/7272)
2	01	A3	11x17	A3		All counters are 8-digit counters.
3	02	B4	8.5x14	B4 (8K)		
4	03	A4	8.5x11	A4		
5	04	B5	5.5x8.5	B5 (16K)		
6	05	A5	-	A5		
7	06	B6	-	F4		
8	07	8.5x14	-	-		
9	08	8.5x11	A4	-		
10	09	Special	Special	Special		
11 (7255/7272)	0A	Postcard	-	-		

1. Each time a printed copy is ejected, the counter is incremented by 1 regardless of the paper size.
2. Any size other than paper sizes 1-9 is counted as Special size. (SEL/LEF are counted as the same size.)

(2) Collecting data No.4: RADF mode

NO	KRDS parameter (F0)	Items	Maximum count	Remarks
1	00	Number of originals fed in ADF mode	99999999	All counters are 8-digit counters.
2	01	Number of originals fed in RADF mode		
3	02	Number of originals fed in RDH mode		Not counted and 0 is sent.
4	03	Number of originals fed in RRDH mode		
5	04	Number of originals fed in LDF mode		
6	05	Number of originals fed in CFF mode		
7	06	Number of 1-sided originals fed in SDF mode		
8	07	Number of mixed originals fed in ADF mode		All counters are 8-digit counters.
9	08	Number of mixed originals fed in RADF mode		
10	09	Number of originals fed in 2in1 mode		Not counted and 0 is sent.
11	0A	Number of 1-sided Z-folded mode original fed		All counters are 8-digit counters.
12	0B	Number of 2-sided Z-folded mode original fed		
13	0C	Number of 2-sided originals fed in SDF mode		Not counted and 0 is sent.
14	0D	Undefined		
15	0E			
16	0F			

1. The counter is incremented each time one original side has been scanned in each mode.
2. Counters 1 and 2 count original sides independently of counters 3-7.

△4 (3) Collecting data No. 5 (7155/7165), No.6 (7255/7272): Pixel ratio of each section ***1**
This allows checking the average pixel ratio of 5000 prints for latest 30 data.

△4 (4) Collecting data No. 6 (7155/7165), No.7 (7255/7272): Pixel ratio ranking list ***1**
This allows checking pixel ratio data, number of prints, transfer paper size, mode, and date for the top 15 job data ranked from highest rates of pixel ratio.
The pixel ratio rank list is allowed to contain only those jobs which have five or more copies, so that jobs that have made erroneous copies will be excluded from the list.

△4 (5) Collecting data No. 7 (7155/7165), No.8 (7255/7272): JAM data of time series
A jam code, total count, date and time of occurrence, tray type, paper size, and magnification can be displayed for the latest 100 jams.

***1** This pixel ratio is the theoretical value obtained by converting the black dot area on the image data and the area of the transfer paper, therefore it is different from the black ratio obtained by the actual printing.

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