

Konica

SERVICE MANUAL

Models
7020/7022/7025/7030
7035/7130/7135

OCTOBER 2002

CSM-7135

KONICA BUSINESS TECHNOLOGIES, INC.

Product: 2002 Konica Models 7020/7022/7025/7030,7035/7130/7135 Printer Service Repair Workshop Manual
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7020/7022/7025/7030

7035/7130/7135

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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

CONTENTS

SAFETY AND IMPORTANT WARNING ITEMS	vii	CORONA UNIT	2-F-1
IMPORTANT NOTICE	vii	[1] Composition	2-F-1
DESCRIPTION ITEMS FOR DANGER, WARNING AND CAUTION	vii	[2] Mechanisms	2-F-1
SAFETY WARNINGS	vii	[3] Charging Control	2-F-2
SAFETY INFORMATION	xvi	[4] Transfer/Separation Control.....	2-F-3
IMPORTANT INFORMATION	xvi	DEVELOPING UNIT	2-G-1
SAFETY CIRCUITS	xvii	[1] Composition	2-G-1
INDICATION OF WARNING ON THE MACHINE	xix	[2] Mechanisms	2-G-1
7020 SERIES LIST OF DIFFERENCE	xxi	[3] M3 (Developing Motor) Control.....	2-G-2
LIST OF OPTIONS THAT CAN BE USED WITH THE 7020 SERIES	xxii	[4] Developing Bias Control	2-G-2
7020 SERIES PRODUCT CONFIGURATORS	xxiii	[5] Toner Density Control	2-G-3
1. OUTLINE		TONER SUPPLY UNIT	2-H-1
OUTLINE OF SYSTEM	1-1	[1] Composition	2-H-1
7020 SERIES PRODUCT SPECIFICATIONS	1-2	[2] Mechanisms	2-H-1
CENTER CROSS SECTION	1-5	[3] Toner Level Detection Control	2-H-2
DRIVE SYSTEM DIAGRAM	1-6	[4] Toner Bottle Detection Control	2-H-2
[1] Main Drive	1-6	CLEANING/TONER RECYCLE UNIT.....	2-I-1
[2] Developing Drive	1-7	[1] Composition	2-I-1
[3] Paper feed Drive	1-8	[2] Mechanisms	2-I-1
[4] ADU Drive	1-10	PAPER FEED UNIT	2-J-1
[5] Reading Drive	1-11	[1] Composition	2-J-1
[6] Toner supply Drive	1-12	[2] Mechanisms	2-J-1
		[3] Paper Feed Control	2-J-2
		[4] Paper Up Down Control	2-J-3
		[5] Paper Size Detection Control.....	2-J-4
		[6] No Paper Detection Control	2-J-6
		[7] Control of Paper Level Detection	2-J-6
		[8] Intermediate Conveyance Control (7030/7130/7035/7135 Only)	2-J-7
2. UNIT EXPLANATION		FIXING UNIT	2-K-1
EXTERNAL SECTION	2-A-1	[1] Composition	2-K-1
[1] Composition	2-A-1	[2] Mechanisms	2-K-1
DRIVE SECTION	2-B-1	[3] Fixing Temperature Control	2-K-2
[1] Composition	2-B-1	[4] SD4 (Cleaning Web SD) Control	2-K-4
[2] Mechanisms	2-B-1	ADU/PAPER EXIT SECTION	2-L-1
[3] M1 (Main Motor) Control	2-B-2	[1] Composition	2-L-1
READ SECTION	2-C-1	[2] Mechanisms	2-L-2
[1] Composition	2-C-1	[3] Paper Exit/ADU Conveyance Switching Control	2-L-2
[2] Mechanisms	2-C-1	[4] ADU Conveyance Control	2-L-3
[3] M2 (Optical Motor) Control	2-C-2	OTHER CONTROLS.....	2-M-1
[4] Exposure Control	2-C-5	[1] Parts Energized When the Main Power Switch is OFF	2-M-1
[5] Original Reading Control	2-C-6	[2] Components Operated by Power Switches SW1 and SW2	2-M-1
[6] APS Control	2-C-7	[3] Fan Control	2-M-2
[7] AE Control	2-C-9	[4] Operation Unit Control	2-M-4
WRITE UNIT	2-D-1	[5] Counter Control	2-M-5
[1] Composition	2-D-1	[6] Option Control	2-M-6
[2] Mechanisms	2-D-1	3. DISASSEMBLY / ASSEMBLY	
[3] M5 (Polygon Motor) Control	2-D-2	EXTERNAL SECTION	3-A-1
[4] Image Write Control	2-D-3	[1] Replacing the Ozone Filter	3-A-1
DRUM UNIT	2-E-1		
[1] Composition	2-E-1		
[2] Mechanisms	2-E-1		
[3] PCL/TSL Control	2-E-2		
[4] Separation Claws Control	2-E-2		
[5] Paper Entrance Guide Plate Control .	2-E-3		

CONTENTS

[2] Replacing the Filter Cover Assembly and Suction Filter/A (Other Than 7020/25/30)	3-A-2
DRIVE SECTION	3-B-1
[1] Removing and Reinstalling the Motor Units (Main, Paper Feed, Developing)	3-B-1
[2] Replacing the Registration Clutch	3-B-2
[3] Replacing the Loop Clutch	3-B-3
[4] Removing the Ribbon Cable (Other than 7135)	3-B-4
[5] Reinstalling the Ribbon Cable (Other Than 7135)	3-B-4
[6] Removing the Ribbon Cable (7135 Only)	3-B-5
[7] Reinstalling the Ribbon Cable (7135 Only)	3-B-5
READ SECTION	3-C-1
[1] Screws That Must Not be Removed ..	3-C-1
[2] Removing the Original Glass	3-C-1
[3] Removing and Reinstalling the CCD Unit	3-C-2
[4] Replacing the Exposure Lamp	3-C-3
[5] Removing and Reinstalling the Exposure Unit	3-C-4
[6] Removing and Reinstalling the Optics Drive Motor	3-C-5
[7] Removing the Optics Wire	3-C-5
[8] Installing the Optics Wire	3-C-6
WRITE UNIT	3-D-1
[1] Removing and Reinstalling the Write Unit	3-D-1
DRUM UNIT	3-E-1
[1] Removing and Reinstalling the Drum Unit	3-E-1
[2] Removing and Reinstalling the Drum	3-E-1
[3] Removing and Reinstalling the Separation Claw	3-E-3
CORONA UNIT SECTION	3-F-1
[1] Removing and Reinstalling the Charging Corona Unit	3-F-1
[2] Removing and Reinstalling the Charge Control Plate	3-F-1
[3] Replacing the charging wire	3-F-2
[4] Removing and Reinstalling the Transfer and Separation Corona Unit	3-F-2
[5] Replacing the Transfer and Separation Wires	3-F-3
DEVELOPING UNIT	3-G-1
[1] Screws That Must not be Removed ..	3-G-1
[2] Removing and Reinstalling the Developing Unit	3-G-1
[3] Replacing the Developer	3-G-2
TONER SUPPLY UNIT	3-H-1
[1] Removing and Reinstalling the Toner Bottle	3-H-1
[2] Removing and Reinstalling the Toner Supply Unit	3-H-1
CLEANING/TONER RECYCLE UNIT	3-I-1
[1] Removing and Reinstalling the Cleaning Blade	3-I-1
PAPER FEED UNIT	3-J-1
[1] Replacing the Bypass Pickup Roller/Bypass Conveyance Roller	3-J-1
[2] Replacing the Bypass Reversal Roller	3-J-2
[3] Replacing the Feed Rubber and the Double Feed Prevention Upper Rubber (Upper Tray)	3-J-2
[4] Replacing the Double Feed Prevention Lower Rubber (Upper Tray)	3-J-3
[5] Replacing the Feed Rubber and Double Feed Prevention Upper Rubber (Lower Tray)	3-J-4
[6] Replacing the Double Feed Prevention Lower Rubber (Lower Tray)	3-J-6
[7] Replacing the Registration Rollers 1 and 2	3-J-6
[8] Cleaning the Paper Dust Removing Brush	3-J-7
FIXING UNIT	3-K-1
[1] Removing and Reinstalling the Fixing Unit	3-K-1
[2] Replacing the Fixing Heater Lamps (Main Lamp and Sub Lamp)	3-K-1
[3] Removing and Reinstalling the Fixing Claw	3-K-2
[4] Replacing the Fixing Web/Fixing Cleaning Roller	3-K-3
[5] Removing and Reinstalling the Fixing Heat Roller/Fixing Pressure Roller	3-K-4
[6] Removing and Reinstalling the Fixing Temperature Sensors	3-K-5
[7] Removing and Reinstalling the Fuse Mounting Plate assembly	3-K-5
ADU/PAPER EXIT SECTION	3-L-1
[1] Removing and Reinstalling the Exit Sensor Unit (7020/25/30/35 Only)	3-L-1

4. Adjustment

HOW TO USE THE ADJUSTMENT SECTION	4-1
[1] Construction	4-1
ADJUSTMENTS WHEN REPLACING PARTS	4-1
LIST OF ADJUSTMENT ITEMS	4-2
MODE CHANGE MENU	4-3
[1] Setting Method	4-3
CHECK OF COUNT VALUE WITH P FUNCTION	4-4
[1] How to Use P Function	4-4
25 MODE	4-5
[1] Setting Method	4-6
[2] Setting Software DIP SW	4-6
[3] PM Count Setting	4-20
[4] Data Collection	4-21
[5] Copy Count for Each Part to be Replaced	4-27
[6] Password Setting	4-31
[7] Setting Phone Number of the Service Center	4-32
[8] Setting the Serial Number	4-33
[9] Displaying the ROM Version	4-34
[10] KRDS Setting	4-34
[11] ISW Setting	4-34
[12] Root counter display	4-34
[13] Setting Date	4-34
[14] Counter Clear (Other Than 7020/25/30/35)	4-34
36 MODE	4-35
[1] Setting Method	4-39
[2] High Voltage Adjustment	4-39
[3] Timing Adjustment	4-40
[4] Running Test Mode	4-51
[5] Test Pattern Output	4-52
[6] Test Pattern Density Adjustment	4-56
[7] Image Quality Adjustment	4-56
[8] List Print	4-58
[9] Counter Clear	4-59
[10] Adjustment of RADF	4-60
[11] FNS Adjustment	4-64
47 MODE	4-79
[1] 47 Mode Setting Method	4-79
[2] Initial Setting in the Field	4-80
[3] RADF Original Size Detection Adjustment	4-80
[4] ERDH Memory Check	4-81
[4-1] Bypass Size Detection Adjustment	4-81
[5] Input Check List	4-82
[6] Output Check List	4-85
OTHER ADJUSTMENTS	4-90
[1] RADF Mounting Position Adjustment ..	4-90
[2] RADF Distortion Adjustment	4-90
[3] RADF Original Skew Adjustment	4-91
[4] DB-409/410 Paper centering Adjustment	4-91
[5] DB-409/410 Tray Tilt Adjustment	4-92

5. ISW

ISW	5-1
[1] Description of the ISW	5-1
[2] Operating Method	5-1

6. KRDS

KRDS	6-1
[1] Outline	6-1
[2] Specifications	6-1
[3] KRDS Setting	6-1
[4] KRDS Set Up	6-2
[5] Calling Time Set Menu Mode (Arbitrary) ..	6-13
[6] KRDS Host Call	6-16
[7] Data to be Processed	6-17
[8] FAX KRDS Auto ON Function	6-17
[9] A Point to Notice for Operation	6-17
[10] ASCII Code Table	6-18
[11] Error Code Table	6-19

7. SERVICE

SERVICE SCHEDULE	7-1
[1] Service Schedule	7-1
[2] Maintenance Items	7-2
[3] Periodic Check Items (Main Body)	7-5
[4] Periodic Check Items (Options)	7-7
[5] List of Actual Durable Counters for Replacement Parts	7-8
[6] Important Maintenance Parts	7-9
COPY MATERIALS	7-10
[1] PM Parts Kit	7-10
[2] Consumables (Single Unit Supply)	7-11
SERVICE MATERIALS LIST	7-12
[1] Maintenance Kit Composition	7-12
SPECIAL TOOLS LIST	7-13

8. Diagrams

MAIN BODY ELECTRICAL PARTS LAYOUT DRAWING	8-1
[1] Switches and Sensors	8-1
[2] Loads	8-4
[3] PCBs and Others	8-7
DF-314 ELECTRICAL PARTS LAYOUT DRAWING	8-9
FS-107 ELECTRICAL PARTS LAYOUT DRAWING	8-10
DB-209/210 ELECTRICAL PARTS LAYOUT DRAWING	8-12
DB-409/410 ELECTRICAL PARTS LAYOUT DRAWING	8-13
IT-101 ELECTRICAL PARTS/CONNECTOR LAYOUT DRAWING	8-14
MAIN BODY CONNECTOR LAYOUT DRAWING ..	8-15
DF-314 CONNECTOR LAYOUT DRAWING	8-22

CONTENTS

FS-107 CONNECTOR LAYOUT DRAWING	8-23
DB-209/210 CONNECTOR LAYOUT DRAWING ...	8-25
DB-409/410 CONNECTOR LAYOUT DRAWING ...	8-26
LIST OF JAM CODES	8-27
LIST OF WARNING (ERROR) CODES	8-31
7020 TIME CHART (8.5X11, LIFE SIZE, 2 COPIES, FEED FROM TRAY 1)	8-44
7030 TIME CHART (8.5X11, LIFE SIZE, 2 COPIES, FEED FROM TRAY 1)	8-45
7035 TIME CHART (8.5X11, LIFE SIZE, 2 COPIES, FEED FROM TRAY 1)	8-46
7020ADU TIME CHART (8.5X11, LIFE SIZE, 3 COPIES, FEED FROM TRAY 1)	8-47
7035ADU TIME CHART (A4, LIFE SIZE, 3 COPIES, FEED FROM TRAY 1)	8-48
DF-314 TIME CHART (8.5X11, SINGLE SIDE ORIGINAL, 3 SHEETS)	8-49
7035/DF-314 TIME CHART (8.5X11, SINGLE SIDE ORIGINAL, 3 SHEETS)	8-50
DF-314 TIME CHART (8.5X11, DOUBLE SIDE ORIGINALS, 2 SHEETS)	8-51
7035/DF-314 TIME CHART (8.5X11, DOUBLE SIDE ORIGINALS, 2 SHEETS)	8-52
FS-107 TIME CHART (8.5X11, SORT MODE, 2 SHEETS, 2 SETS)	8-53
7035/FS-107 TIME CHART (8.5X11, SORT MODE, 2 SHEETS, 2 SETS)	8-54
FS-107 TIME CHART (8.5X11, STAPLE MODE, 2 SHEETS, 1 POSITION)	8-55
7035/FS-107 TIME CHART (8.5X11, STAPLE MODE, 2 SHEETS, 1 POSITION)	8-56
DB-209/DB409 TIME CHART (8,5X11, LIFE SIZE, 3 COPIES, FEED FROM TRAY 3)	8-57
7020 SERIES WIRING DIAGRAM	8-59
DF-314 OVERALL WIRING DIAGRAM	8-63
FS-107 OVERALL WIRING DIAGRAM	8-64
DB-209/210/DB-409/410 OVERALL WIRING DIAGRAM	8-65

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

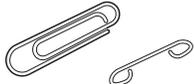
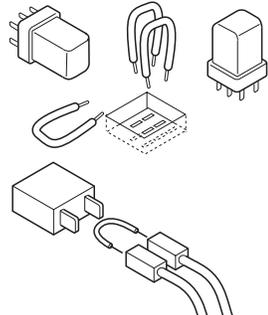
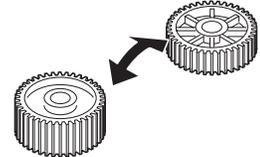
SAFETY WARNINGS

[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

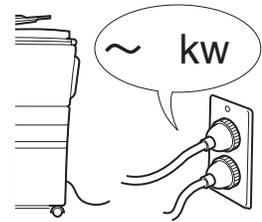
Konica copiers are extensively tested before shipping, to ensure that all applicable safety standards are met, in order to protect the customer and customer engineer (hereafter called the CE) from the risk of injury. However, in daily use, any electrical equipment may be subject to parts wear and eventual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

1. Power Supply

WARNING: Wall Outlet

- 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.

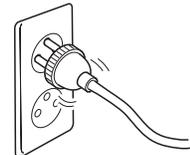
If excessive current flows in the wall outlet, fire may result.



WARNING: Power Plug and Cord

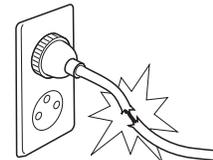
- Make sure the power cord is plugged in the wall outlet securely.

Contact problems may lead to increased resistance, overheating, and the risk of fire.



- 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.



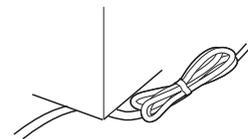
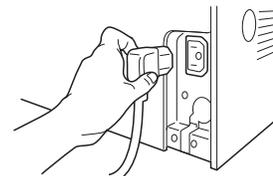
- When using the power cord (inlet type) that came with this copier, be sure to observe the following precautions:

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.

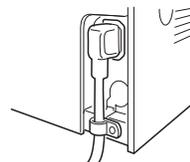
b. If the power cord or sheath is damaged, replace with a new power cord (with plugs on both ends) specified by Konica.

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.



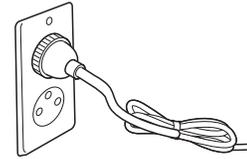
- Check whether the power cord is not stepped on or pinched by a table and so on.

Overheating may occur there, leading to a risk of fire.

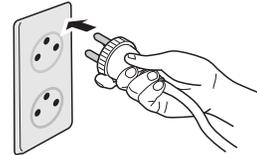


! WARNING: Power Plug and Cord

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



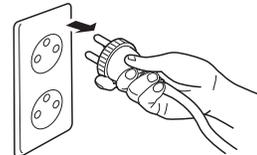
- Check whether dust is collected around the power plug and wall outlet.
Using the power plug and wall outlet without removing dust may result in fire.



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

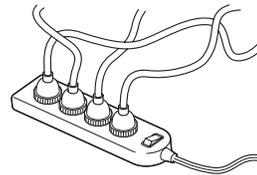


- When unplugging the power cord, grasp the plug, not the cable.
The cable may be broken, leading to a risk of fire and electric shock.

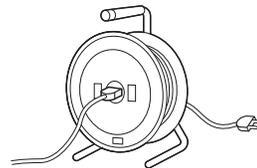


! WARNING: Wiring

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

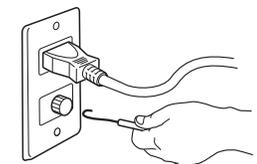


- When an extension cord is required, use a specified one.
Current that can flow in the extension cord is limited, so using a too long extension cord may result in fire.
Do not use an extension cable reel with the cable taken up. Fire may result.



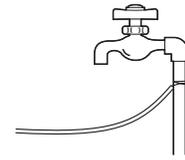
! WARNING: Ground Lead

- 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

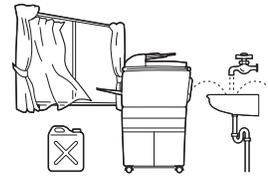
- Pay attention to the point to which the ground lead is connected. Connecting the ground lead to an improper point such as the points listed below results in a risk of explosion and electric shock:
 - a. Gas pipe (A risk of explosion or fire exists.)
 - b. Lightning rod (A risk of electric shock or 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

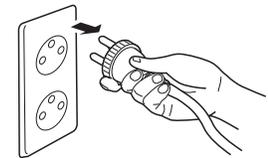
! WARNING: Prohibited Installation Place

- 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.



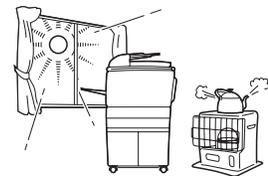
! WARNING: Nonoperational Handling

- 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.



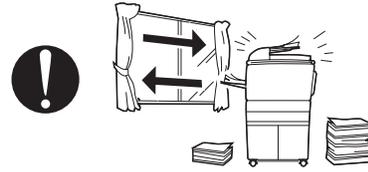
! CAUTION: Ventilation

- 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.



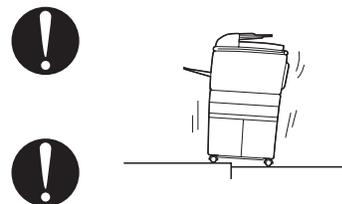
! CAUTION: Ventilation

- 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



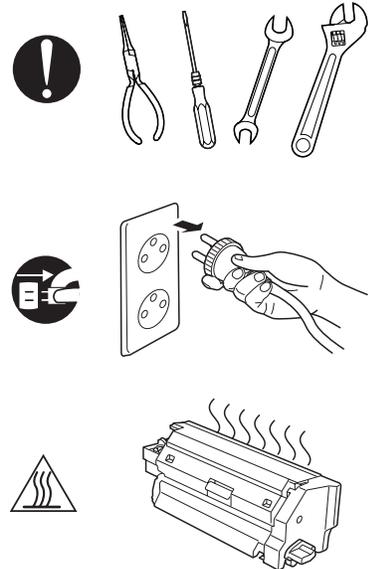
! CAUTION: Vibration

- 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.

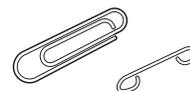


⚠ WARNING: Safety Checkpoints

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



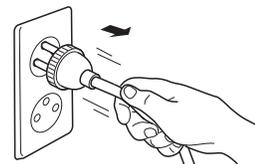
- Do not allow any metal parts such as clips, staples, and screws to fall into the copier.
They can short internal circuits and cause electric shock or fire.



- 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.

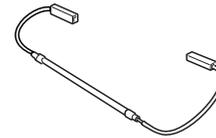


- When replacing a lithium battery, replace it with a new lithium battery specified in the Parts Guide Manual. Dispose of the used lithium battery using the method specified by local authority.
Improper replacement can cause explosion.

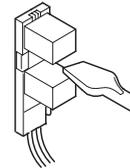


! WARNING: Safety Checkpoints

- 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.



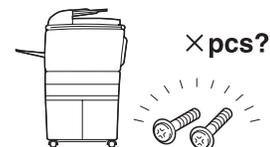
- Check the interlock switch and actuator for loosening and check whether the interlock functions properly.
If the interlock does not function, you may receive an electric shock or be injured when you insert your hand in the copier (e.g., for clearing paper jam).



- 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.

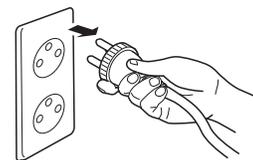


- Make sure that all screws, components, wiring, connectors, etc. that were removed for safety check and maintenance have been reinstalled in the original location. (Pay special attention to forgotten connectors, pinched cables, forgotten screws, etc.)
A risk of copier trouble, electric shock, and fire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



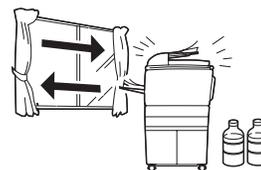
- Do not replace the cover or turn the copier ON before any solvent remnants on the cleaned parts have fully evaporated.
A risk of fire exists.



- 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.

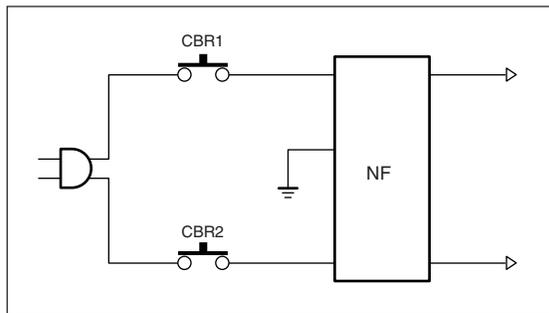
SAFETY CIRCUITS

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



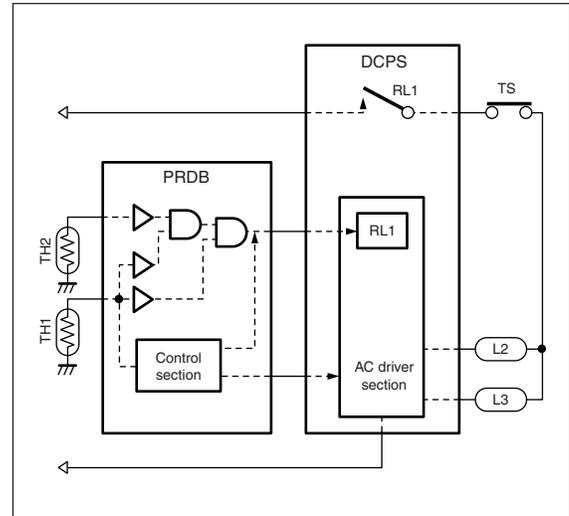
1. Protection by CBR1 and CBR2 (circuit breakers)

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.

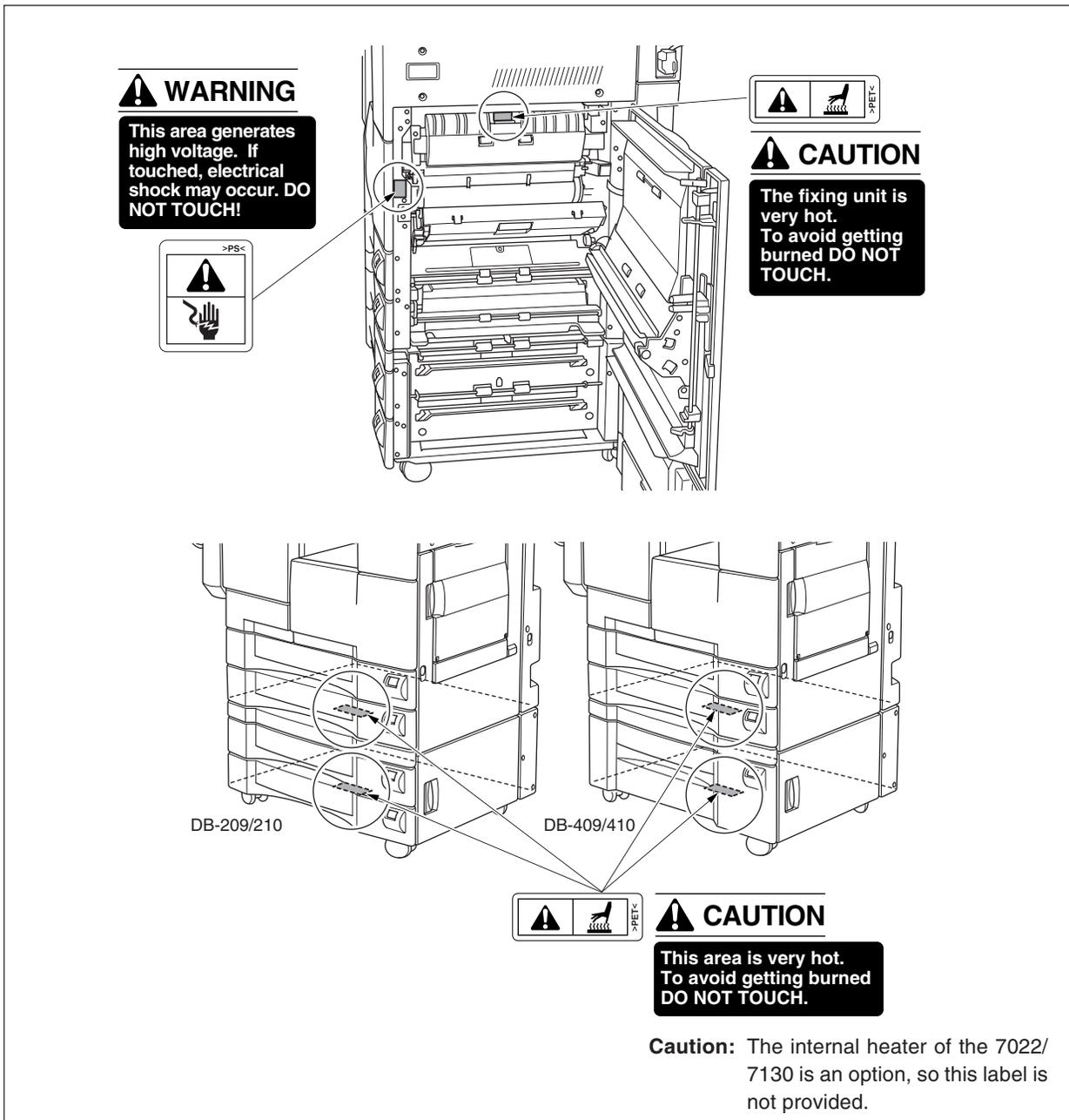
CAUTION:

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.

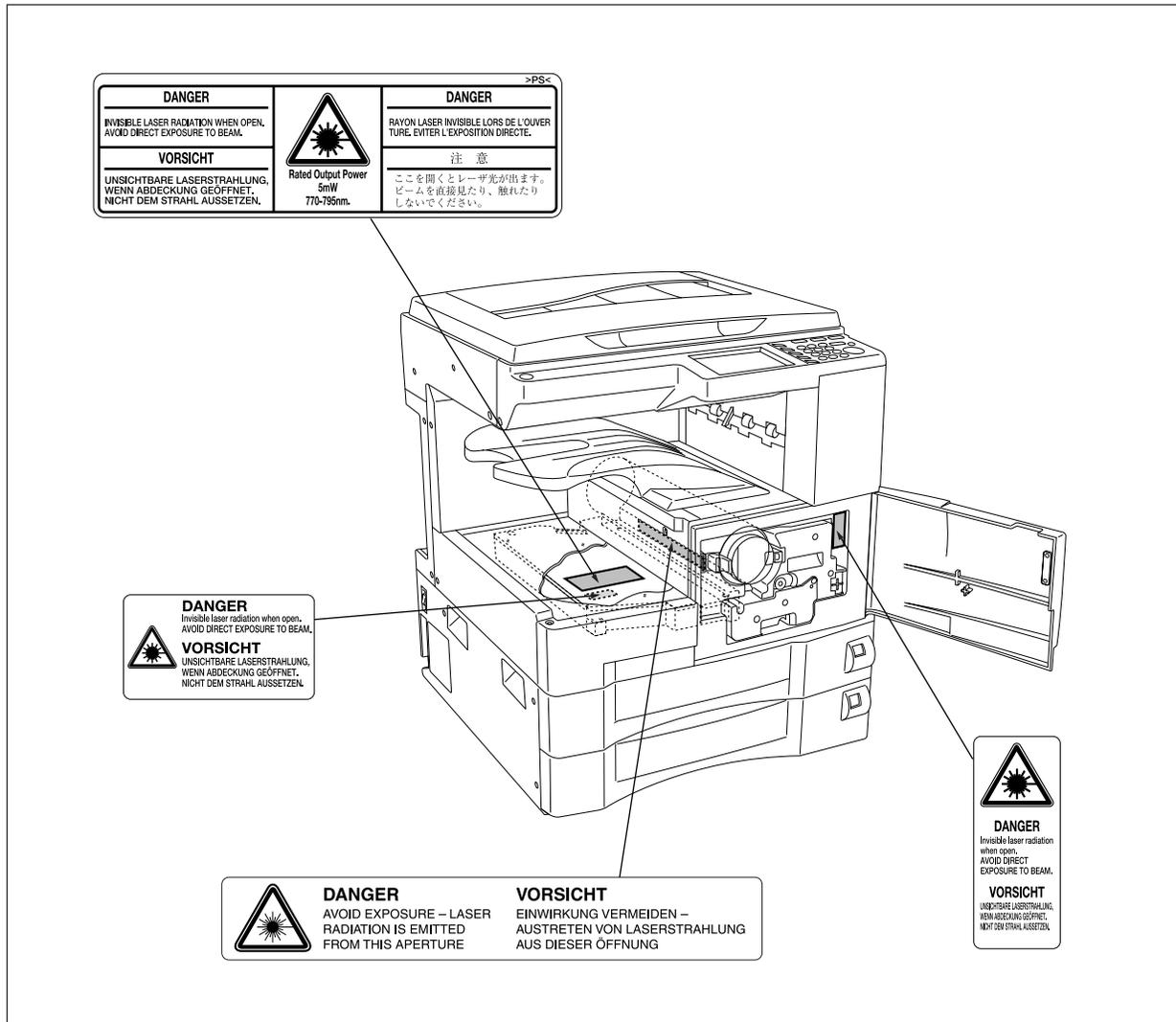
When accessing these areas for maintenance, repair, or adjustment, special care should be taken to avoid burns and electric shock.



⚠ 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)	20 copies	22 copies	25 copies	30 copies	35 copies			
	Maximum E-RDH memory	288 MB							
	ADU	Correspond							
	Machine Service life	1,200,000 Copies or 5 years							
	Toner	Common to 7020/25/30	Common to 7022/7130/7135	Common to 7020/25/30	Common to 7022/7130/7135	Exclusively for 7035	Common to 7022/7130/7135	Exclusively for 7135	
	Materials	Common to 7020/25/30							
	Drum	Common to 7020/7022/7025/7030/7130/7035/7135							
	Suction filter/A	No	Yes	No	Yes				
	Filter cover assembly								
	Forward	140mm/sec							
Read Section	Scan (Life size)	180mm/sec							
	Reverse (Max)	241mm/sec							
Write Section	Polygon motor	33070.9rpm							
	rotational speed	42519.6rpm							
Toner supply Section	Toner conveyance /supply drive	Driven independently switched across to the toner conveyance drive with toner bottle SD	Driven independently with toner supply motor 1 and toner supply motor 2	Driven independently with toner supply motor 1 and toner supply motor 2	Driven independently with toner supply motor 1 and toner supply motor 2	Driven independently with toner supply motor 1 and toner supply motor 2	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	6 pieces		
Electrical Section	Intermediate conveyance sensor	No	Yes						
	Toner bottle solenoid	Yes	No	Yes	No	No	No		
	Toner supply motor 2	No	Yes	No	No	Yes	Yes		
	Developing suction fan	No	Yes	No	No	Yes	Yes		
	APS sensor 1	Yes	No	Yes	No	No	Yes		
Control	Paper exit sensor	Yes	No	Yes	No	Yes	no		
	PTC heater	Yes	No (Treated as spare parts)	Yes	No (Treated as spare parts)	Yes	Yes		
Overall control	Exclusively for 7020	Exclusively for 7022	Exclusively for 7025	Exclusively for 7030	Exclusively for 7130	Exclusively for 7035	Exclusively for 7135		
Image control									



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%



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

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⁵ Network Card is standard
⁶ Up to 2 can be added

Power Requirements: 120 V AC - ±10%