

Konica

SERVICE MANUAL

Model FK-101

FEBRUARY 2000
CSM-FK101

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FK-101
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FEBRUARY 2000

**Used on Konica Model
7020**

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

Outline of the Device

1.1 Basic Specifications	1-1
1.1.1 General Specifications	1-1
1.1.2 Scanning Section	1-3
1.1.3 Recording Section	1-3
1.1.4 Line Connecting Section	1-5
1.1.5 Operation Panel	1-5
1.2 Functional Specifications	1-7
1.2.1 Dial functions	1-7
1.2.2 Transmission	1-9
1.2.3 Polling	1-11
1.2.4 Line Seizure Mode and Telephone Function	1-13
1.2.5 Message Reception and Record	1-13
1.2.6 Memory Function	1-13
1.2.7 Various Communication Function	1-14
1.2.8 User Lists / Reports	1-15
1.2.9 Other User Functions	1-17
1.2.10 Service Mode Function	1-17
1.2.11 FAX Service Counter	1-17
1.3 Components Location	1-17
1.4 Inhibited Combinations	1-18

2. Outline of Operations

2.1 Operation Menu	2-1
2.1.1 Menu for Users	2-1
2.1.2 Menu for Service	2-3
2.2 Buzzer Sound	2-6
2.2.1 Kinds	2-6
2.2.2 Pattern	2-6

3. Service Mode

3.1 Outline of Service Mode	3-1
3.1.1 Service Mode and Test Mode	3-1
3.1.2 Service Mode Menu Tree	3-1
3.1.3 How to Enter the Service Mode	3-2

3.2 Function Parameter Setting	3-3
3.2.1 Modem/NCU	3-3
3.2.2 Communication	3-7
3.2.3 Network	3-11
3.2.4 List Output Mode	3-15
3.2.5 System	3-17
3.2.6 Machine Setting	3-23
3.3 List Print	3-25
3.4 FAX Counter on the Machine Management List	3-27
3.5 FAX File Format	3-28
3.6 Initialization	3-29

4. Test Mode

4.1 Outline of the Test Mode	4-1
4.1.1 Service Mode and Test Mode	4-1
4.1.2 Test Mode Menu Tree	4-1
4.1.3 How to Enter the Test Mode	4-3
4.2 Signal Sending Test	4-5
4.3 Signal Receiving Test	4-7
4.4 NCU Test	4-9

5. Troubleshooting

5.1 Error Codes	5-1
5.2 Diagnostic Codes	5-10
5.2.1 Outline	5-10
5.2.2 Explanation	5-10
5.3 FAX Board Hardware Self-diagnosis	5-19
5.4 Countermeasures in Case of No Error Codes	5-20

6. Replacement Procedure

6.1 FK-101 Body and Related Items	6-1
6.1.1 Removal of the FK-101 Body	6-1
6.1.2 Replacement of Battery	6-3
6.1.3 Replacement of the FAX Control Board	6-5
6.1.4 Replacement of the NCU Board	6-5
6.2 One-touch Program Key and Speaker	6-6
6.2.1 Replacement of One-touch program Program Key	6-6
6.2.2 Replacement of the Speaker	6-7

7. Communication Control

7.1 Protocol	7-1
7.1.1 FIF bits of DIS, DTC and DCS	7-1
7.1.2 Modem Fallback Sequence	7-7
7.1.3 V8/V34 Sequence	7-9
7.2 Telephone Function	7-21
7.2.1 TEL/FAX Switching	7-21

8. Explanation of Functions

8.1 F-Code	8-1
8.1.1 F-Code Confidential Transmission	8-3
8.1.2 F-Code Bulletin Board Polling	8-3
8.1.3 F-Code Relay Transmission	8-5
8.2 Transmission Function	8-7
8.2.1 Original Scan Mode	8-7
8.2.2 Book Transmission	8-7
8.2.3 Restored Transmission	8-8
8.2.4 Instant Batch Transmission	8-9
8.2.5 Forwarding Transmission	8-10
8.3 Reception Function	8-11
8.3.1 Reduction / Division of Reception	8-11
8.3.2 Cassette / Paper Selection	8-13
8.3.3 Forced Memory Reception	8-13
8.3.4 Closed Reception (Junk FAX)	8-14
8.4 Management Function	8-15
8.4.1 Operation without the Key Counter	8-15
8.5 Service Function	8-17
8.5.1 F-Code Forwarding Transmission	8-17

9. Description of Operation

9.1 Dual Access Matrix	9-1
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Appendix 1 Wiring Diagram.....A1-1

Appendix 2 Address Parameter List.....A2-1

INDEX

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SAFETY PRECAUTIONS

Installation Environment

Safety considerations usually are directed toward machine design and the possibility of human error. In addition, the environment in which a machine is operated must not be overlooked as a potential safety hazard.

Most electrical equipment is safe when installed in a normal environment. However, if the environment is different from what most people consider to be normal, it is conceivable that the combination of the machine and the room air could present a hazardous combination. This is because heat (such as from fusing units) and electrical arcs (which can occur inside switches) have the ability to ignite flammable substances, including air.

When installing a machine, check to see if there is anything nearby which suggests that a potential hazard might exist. For example, a laboratory might use organic compounds which, when they evaporate, make the room air volatile. Potentially dangerous conditions might be seen or smelled. *The presence of substances such as cleaners, paint thinners, gasoline, alcohol, solvents, explosives, or similar items should be cause for concern.*

If conditions such as these exist, take appropriate action, such as one of the following suggestions.

- Determine that the environment is controlled (such as through the use of an exhaust hood) so that an offending substance or its fumes cannot reach the machine.
- Remove the offending substance.
- Install the machine in a different location.

The specific remedy will vary from site to site, but the principles remain the same. To avoid the risk of injury or damage, be alert for changes in the environment when performing subsequent service on any machine, and take appropriate action.

Unauthorized Modifications

Konica copiers have gained a reputation for being reliable products. This has been attained by a combination of outstanding design and a knowledgeable service force.

The design of the copier is extremely important. It is the design process that determines tolerances and *safety margins* for mechanical, electrical, and electronic aspects. It is not reasonable to expect individuals not involved in product engineering to know what

effect may be caused by altering any aspect of the machine's design. Such changes have the potential of degrading product performance and reducing safety margins.

For these reasons, *installation of any modification not specifically authorized by Konica Business Machines U.S.A., Inc., is strictly prohibited.*

The following list of prohibited actions is not all-inclusive, but demonstrates the intent of this policy.

- Using an extension cord or any unauthorized power cord adapter.
- Installing any fuse whose rating and physical size differs from that originally installed.
- Using wire, paper clips, solder, etc., to replace or eliminate any fuse (including temperature fuses).
- Removing (except for replacement) any air filter.
- Defeating the operation of relays by any means (such as wedging paper between contacts).
- Causing the machine to operate in a fashion other than as it was designed.
- Making any change which might have a chance of defeating built-in safety features.
- Using any unspecified replacement parts.

General Safety Guidelines

This copier has been examined in accordance with the laws pertaining to various product safety regulations prior to leaving the manufacturing facility to protect the operators and service personnel from injury. However, as with any operating device, components will break down through the wear-and-tear of everyday use, as will additional safety discrepancies be discovered. For this reason, it is important that the technician periodically performs safety checks on the copier to maintain optimum reliability and safety.

The following checks, not all-inclusive, should be made during each service call:

CAUTION: Avoid injury. Ensure that the copier is disconnected from its power source before continuing.

- Look for sharp edges, burrs, and damage on all external covers and copier frame.
- Inspect all cover hinges for wear (loose or broken).
- Inspect cables for wear, frays, or pinched areas.

- Ensure that the power cord insulation is not damaged (no exposed electrical conductors).
- Ensure that the power cord is properly mounted to the frame by cord clamps.
- Check the continuity from the round lug (GND) of the power cord to the frame of the copier – ensure continuity. An improperly grounded machine can cause an electrically-charged machine frame.

Safeguards During Service Calls

Confirm that all screws, parts, and wiring which are removed during maintenance are installed in their original positions.

- When disconnecting connectors, do not pull the wiring, particularly on AC line wiring and high voltage parts.
- Do not route the power cord where it is likely to be stepped on or crushed.
- Carefully remove all toner and dirt adhering to any electrical units or electrodes.
- After part replacement or repair work, route the wiring in such a way that it does not contact any burrs or sharp edges.
- Do not make any adjustments outside of the specified range.

Applying Isopropyl Alcohol

Care should be exercised when using isopropyl alcohol, due to its flammability. When using alcohol to clean parts, observe the following precautions:

- Remove power from the equipment.
- Use alcohol in small quantities to avoid spillage or puddling. Any spillage should be cleaned up with rags and disposed of properly.
- Be sure that there is adequate ventilation.
- Allow a surface which has been in contact with alcohol to dry for a few minutes to ensure that the alcohol has evaporated completely before applying power or installing covers.

Summary

It is the responsibility of every technician to use professional skills when servicing Konica products. There are no short cuts to high-quality service. Each copier must be thoroughly inspected with respect to safety considerations as part of every routine service call. The operability of the copier, and more importantly, the safety of those who operate or service the copier, are directly dependent upon the conscientious effort of each and every technician.

Remember...when performing service calls, use good judgement (have a watchful eye) to identify safety hazards or potential safety hazards that may be present, and correct these problem areas as they are identified – the safety of those who operate the copier as well as those who service the copier depend on it!

1

Outline of the Device

1.1 Basic Specifications

1.1.1 General Specifications

- (1) Applicable lines PSTN
F network (1300H receptions are possible. Only Japan)
- (2) Protocol Group 3 (compliant to ITU-T T.30)
- ECM
 - F-code communication
 - Konica non-standard protocol : No
 - Group 4 : No
- (3) Maximum data rate 33,600bps
- (4) Coding method MH, MR and MMR
- (5) Modulation method V27ter, V29, (V.33), V17, V8 and V34
- V.33 is for reception only.
- (6) Communication resolution ...
- | | |
|------------|--------------------------------------|
| Normal | 8 × 3.85 lines / mm |
| Fine | 8 × 7.7 lines / mm |
| Super fine | 8 × 15.4 lines / mm (reception only) |
| Super fine | 16 × 15.4 lines / mm |
| Fine | 200 × 200 pixels / inch |
| Super fine | 400 × 400 pixels / inch |
- Fixed to mm at transmission
 - mm and inch are available at reception.
 - Selection by using the [RESOLUTION] key.
 - You can not change settings on every page.
- (7) Fax memory size 2 Mbyte Standard (allocated in the ERDH memory)
- In case of standard ERDH memory (32Mbyte): 4 Mbyte maximum. Possible to add in steps of 2 Mbyte
 - In case of ERDH memory expansion (even 1 piece) : 16 Mbyte maximum.
- (8) FAX memory backup Yes Within 60 minutes (when batteries are full)
- Secondary battery
 - Charging time: 28 hours
 - Life: charging and discharging 5000 times

(9) Multiple line connection No

(10) Communication time Approx. 3 seconds (Konica standard A4 chart, 28,800bps)

(11) Resolution conversion

At Sending	Scanner	Density Conversion	Communication
	inch	inch→mm	mm
At Receiving	Communication	Density Conversion	Print
	mm	mm→inch	inch
	inch	inch→inch	inch

1.1.2 Scanning Section

(1) Scanning method Platen documents

- Possible to scan book documents (book mode)
RADF book documents
- In case of the platen machine, it is required to attach an RADF option when the FAX kit is attached.
- Scanning mode: One sided, Two sided and Cover+2sided
- Possible to scan the RADF mixed size documents.

(2) Scanning resolution Normal 8×3.85 lines/mm

Fine 8×7.7 lines/mm

Super fine 16×15.4 lines /mm

- Selection by using the [Resolution] key.
- You can not change settings on each page.

(3) Mixed size original Possible to mix documents of different sizes.

- After rotation of images, sizes are changed by EOM every time the length of the scan line is changed at sending.
- Possible to mix sizes (A and B).

(4) Density selection Selection by using the [Density] key. [Lighter] / [Darker] / [Normal] / [Auto]

- You can not change settings on each page.

(5) Maximum scanning document width 297 mm (A3 width) both for RADF and Platen

(6) Maximum scanning document length ... 420mm (A3 length) / (17 inch double letter) in the regular mode

- 800 mm at the maximum Long original mode by ADF

- (7) Effective scanning range Compliant to the copier standard
When a document is smaller than the effective scanning area, the area outside the document is erased.
- ADF scanning : left, right, head and bottom Mask of 3mm each (0 to 5mm)
 - Platen scanning : left, right and head Mask of 2mm each (fixed)
- (8) Automatic reduction at sending A3 → B4, A3 → A4 and B4 → A4
- Automatically reduced and sent in accordance with the recording paper size of remote station.
- (9) Rotation transmission A4 size only. SEF documents are rotated by 90 degrees at sending to send it in LEF direction.
- (10) Page division at sending No
- (11) Halftone 256 level error diffusion
- Users can change settings by using the [Quality] key.
- (12) Automatic Background Control (ABC) . Yes
- (13) Finished stamp No
- (14) Scanning time 2.0 seconds (A4/LEF)
- (15) Automatic feeder capacity Compliant to the copier standards

1.1.3 Recording Section

- (1) Recording Compliant to the copier standards
- (2) Recording paper size All sizes except for B6 and Postcard (Refer to the copier basic specifications.) Auto recording paper selection
Note: A5 and B5 paper is used only for A5 and B5 reception respectively
- (3) Recording paper cassette ... Tray 1 to Tray 4, bypass Tray.
- (4) Staple No

-
- (5) Recording speed Compliant to the copier standards
- (6) Recording size A3 size maximum
- A3 fix as reception record ability declaration in protocol.
- (7) Maximum reception length .. 840mm
- In case of being larger than the maximum reception length, a communication error occurs.
 - When the memory over occurs during reception, the received data is printed.
- (8) Reduction record When the received image information is larger than the recording paper, it is automatically reduced to the recording paper size and recorded.
- (9) Page separation record Yes
- (10) Offset output at each communication .. Yes (Job unit reception only)
- (11) Rotation reception Yes
- Images are rotated by 90 degrees and recorded on the recording paper in LEF direction.
- (12) Two-sided reception Yes (Key operator mode)
- (13) 2-in-1 reception Print $A4 \times 2 \rightarrow A3$, $B5 \times 2 \rightarrow B4$ and $A5 \times 2 \rightarrow A4$
- When there are no regular sizes in the auto print setting, the 2-in-1 reception is not used.
 - Two-sided reception has a precedence when both are specified.
- (14) Smoothing Yes
(at converting the resolution)
- (15) Multiple copies recording No
- (16) Bypass print Possible to use as an active tray in auto selection mode.
- (17) Total page counter Compliant to the Copier standards
- (18) Monitor print No
(copy at sending)

1.1.4 Line Connecting Section

- (1) NCU type A-A~ and built-in NCU
- (2) Connecting terminal RJ11
- (3) Modem Matsushita MMD-H3500
- (4) Modem sending level -10~-15 dBm (Country spec)
- (5) DTMF sending level -10~-15 dBm (Country spec)
- (6) Receiving sensitivity G3 reception: -43dB or less
Tone reception: -52dB or less
- (7) Dialing signal DP (10pps and 20pps) and DTMF

1.1.5 Operation Panel

- (1) FAX/Copy/Printer
Mode switching By panel key selection
 - Possible to change modes during an operation of each mode.
 - No mode return by the auto reset.
 - A copy screen is shown when the power is turned on.
- (2) Interruption during scanning Operations by using the INTERRUPT button while scanning documents to be transmitted are invalid.
- (3) Interruption during recording in the FAX mode screen ... Operations by using the INTERRUPT button are invalid.
- (4) FAX start By using the START button.
 - START button is needed for the one-touch key.
- (5) Stop By using the STOP button.
 - Possible to appoint to stop from the job list so as to stop during operations of the multi jobs.
- (6) FAX free memory display Yes
% indication on LCD during scanning, recording and stand-by.

-
- (7) File existence indication By DATA LED
- Files to be displayed are the reception files, transmission reservation files, polling reception reservation files and printer files
 - Light off: There are no files.
 - Light on: There are files.
- (8) Display during the FAX communications Icons are displayed on the FAX waiting screen and the FAX operation screen.
- (9) Error display Displayed by LED on FAX mode button.
- Green: There are no errors.
Red: There are errors.
Error indication: all errors
- (10) Time display No
- Present time is displayed on the timer communication setting screen.
- (11) Remote station ID display ... Yes
- The number display function can be used before communications (Japan only).
 - The TSI/CSI display during communications
- (12) Other operation buttons APPLICATION button: Moves to the FAX application function setting screen.
- | | |
|----------------|---------|
| OUTPUT button: | Invalid |
| CHECK button: | Valid |
| */# button: | Yes |
| HELP button: | Yes |
| One-touch key: | 20 keys |

1.2 Functional Specifications

1.2.1 Dial Functions

- (1) Abbreviated dial Yes
- Possible to register 200 stations.
 - Possible to appoint extension / external types.
 - 38 digits maximum
 - Possible to search the remote station list in the order of abbreviation numbers and names.
 - The registration names must be 24 digits or less.
 - Registration name auto registration function: No
 - Second FAX No. registration function: No
 - Possible to register the communication mode.
 - Possible to register a part of application functions.
- (2) One-touch dial From the LCD touch panel or the one-touch keys.
20 keys.
- (3) Program dial Yes
The LCD touch-panel or one-touch key is used.
- (4) Key pad dial 38 digits maximum
- (5) Group dial Yes. Up to 20 groups. Possible to register group names. Up to 200 remote stations per each group by abbreviated numbers only.
- (6) Chain dial / Additional dial No
- (7) Dialing of multiple remote stations 210 remote stations maximum (abbreviated 200 + key pad 10)
- (8) Manual redial Yes
- Possible to select from five latest histories.
- (9) Automatic redial Yes
- Automatically redial when remote stations are busy or return no responses or transmission errors occur at the memory transmission
 - Possible to receive during redial waiting.
 - Another call is possible. (Not possible when there are two redial waiting jobs.)
- (10) Pulse/Tone switching Possible to switch by using the [Tone] key on the [Key pad] screen of the LCD.

-
- (11) PBX mode setting Yes
 - Possible to turn On or Off the PBX connection and to register the external access code.
 - There are automatic addition / automatic removal functions of external access code to registered abbreviated remote station No.

 - (12) Pseudo off-hook Yes
 - The manual start is possible by using the pseudo off-hook.
 - [Off hook] button on LCD

 - (13) Call progress detection
 - DC loop (Depends on country spec).
 - Dial tone (Ditto)
 - Busy tone (Ditto)
 - Second dial tone (Ditto)

 - (14) Dial parameters
 - Dialing signals DP (10pps and 20pps) and DTMF (Depends on country spec)
 - Pause between digits 1 to 7 seconds (Users can set.)
 - Pause between digits 3 seconds (fixed)

 - (15) Phone book dial Yes
 - After appointing one character, use up and down cursor keys.

 - (16) External phone connection jack Yes
 - Depends on specifications of each country.

1.2.2 Transmission

- (1) Timer transmission 24-hour (max.) timer setting is possible. (one station, sequential multi-stations transmission)

- (2) Batch transmission Possible to transmit data in a batch with the same set time, all remote stations, international communications and resolution.
(Timer batch)

- (3) Timer polling 24-hour (max.) timer setting is possible. (one remote station polling and sequential polling reception)

- (4) No. of timers 20 transmissions and pollings in total
The number of sequential pollings is one.

- (5) Reservation report The reservation report output is possible at the timer reservation.

- (6) Memory transmission reservation The memory transmission reservation is possible during communications. (memory registration of the RADF memory transmission and platen memory transmission documents)

-
- (7) RADF transmission reservation No
- (8) Fold erase transmission No (possible to use the frame erasure transmission instead at the time of book transmission)
- (9) Frame erase transmission ... Yes
- Platen documents and book documents
 - ADF documents are possible as well.
 - The regular mode only
- (10) Automatic layout transmission
(Outside documents are erased)..No
- (11) Reverse-image transmission...No
- (12) 2-in-1 transmission Yes
- $A4 \times 2 \rightarrow A3/B4/A4$, $B5 \times 2 \rightarrow B4/A4$ and $A5 \times 2 \rightarrow A4$
 - 2-in-1 and 2-sided are exclusive. 2-sided transmission takes precedence. (2-sided menu is gray-out.)
- (13) Book transmission Yes
- Transmission by dividing one page document into two pages. The document size is A3 and B4.
 - Platen documents and ADF documents (regular-size document mode only) can be used.
- (14) Scanning size appointment Yes
- Scans documents in the appointed size irrelevant to document sizes and sends them. Transmits documents in the appointed scanning width and length at the platen transmission and the RADF transmission.
 - The effective image area is based on the center. (Corner-base scanning in mixed-size document mode.)
- (15) Document image quality appointment .. Yes
- Selected from Photo/line, Line and Photo.
- (16) Multi-stations 210 stations maximum (Abbr dial X 200 stations and key pad dial X 10 stations) The timer appointment is possible.
- (17) Memory transmission The quick memory transmission is default.
- When the FAX memory is full, automatically switched to the quick memory transmission.

	RADF Transmission	Platen Transmission	Mixture of RADF/Platen Documents	Advanced Communication Function	Manual Transmission	Transmission When the Printer is Active
Quick Memory Transmission	○	One page only	×	△ (Only the communication mode is possible.)	○	×
Memory Transmission	○	○ After pressing the SCAN button to scan, press the START key to start communications.	○ After pressing the SCAN button to scan, press the START key to start communications.	○	×	○

- Yes
- × No
- △ Partly Yes

(18) Forwarding transmission Yes

- Automatic forward: Automatic forward of received documents to remote stations registered in advance.
- Manual forward: Manual forward of documents of substitute reception.

(19) Interruption transmission Single station transmission reservation automatically interrupts between stations of multiple station communications.

(20) International communication Yes

- When the remote station is V17, communications start at TCM 7,200bps. When the remote station is V34, they start at 28,800bps.

(21) V34-off transmission Transmitted without V34 mode. The V34-off appointment can be registered in the abbreviated / program dials. This is used when the transmission error code related to V34 occurs frequently.

(22) Long original transmission .. Possible to transmit long-length originals of 800mm maximum.

(23) ADF irregular-size transmission Possible to transmit irregular-size documents from ADF. The main scanning is the max. document width set on ADF, and the sub scanning depends on document length. The maximum is 420 mm/17 inch.

(24) Restored transmission Keep the transmission file causing the redial over / communication error for a designated time period in order to re-send it.

- Remote station No. is changeable.
- The file keeping time is selected from 12/24/48/72H.
- Only at the memory transmission is effective. (Not for quick memory transmission)

- (25) Instant batch transmission ... All reserved documents to the same remote station are sent in a batch.
(Bundled transmission)
- Not effective with the job being transmitted.
 - Abbreviated dialing and key-pad dialing are recognized as a different station even if developed number is same.
- (26) Confidential transmission Transmission to the confidential BOX of a remote station by using the F code (SUB/SID). Appoints the confidential BOX No. by using SUB. Possible to select the SID sending Yes / No on the control panel.
- (27) Relay request The relay request by using the F-code (SUB/SID). Appoints the relay BOX No. by using SUB.
- (28) Relay transmission The relay transmission by using the F-code (SUB/SID). Registers final relay stations (group) in the relay BOX in advance. When the relay BOX is appointed by SUB, transmits to the registered relay group. After the relay transmission, files in the relay BOX are deleted. SID is essential.

1.2.3 Polling

- (1) Polled transmission There is one documents which allows the transmission setting.
- Documents are deleted after transmission.
 - No additional scanning of documents
 - No RADF polled transmission reservation
- (2) Polling reception The sequential polling is possible.
210 stations maximum (abbreviated dial × 200 stations and key pad dialing × 10 stations) Appointment of the 24-hour (max.) timer is possible.
- (3) Call turnaround polling No
- (4) Called turnaround polling Yes
- (5) Closed polling transmission No
- (6) Selective polling Transmission and reception.
The selective polling by using the F-code (SEP). There is a bulletin board BOX polling reception. No confidential BOX polling transmission

1.2.4 Line Seizure Mode and Telephone Function

- (1) Line seizure mode switching Possible to set the automatic reception and the manual reception.
 - When the memory is full and there are no polling transmission reservations, the automatic reception mode is cancelled.
 - No switching of the auto / manual mode by appointing data and time
- (2) Ans. Machine mode Yes
 - At the time of the CNG detection with the external phone off hook, a line is caught to start reception.
- (3) Automatic reception mode .. Time and the number of rings.
 - No. of rings : 0 to 15 times (country spec)
 - Time : 0 to 15 secs (country spec)
- (4) Hold No
- (5) Handset No
- (6) One-piece phone Country spec
- (7) Conversation reservation No
- (8) Caller ID display (NTT service) The number display is possible. Japan only
- (9) Dial in service Yes. Japan only
- (10) Remote reception Yes. 2-digit PB signal. Japan only.

1.2.5 Message Reception and Record

- (1) Confidential reception Reception at the confidential BOX appointed at the F-code (SUB). You can select the SID check on communications. At the time of printing documents received at the confidential BOX, a password to access to the confidential BOX is required.
- (2) Closed reception Closed reception by using the SID (PWD) (Junk FAX)

-
- (3) Adaptive (automatic) reduction 35 to 96% in steps of 1%
 Becomes the adaptive reduction when "Page divided print = OFF" is selected. In case of the adaptive reduction, if the reception image size is a little bigger than recording paper, the size is automatically reduced so that it becomes within the recording paper size and is recorded.
- (4) Fixed reduction No
- (5) Page separation record Dose not overlap at the division.
- (6) Equal size recording Sent documents are recorded in the equal size (100%).
 For bigger size documents, an appropriate tray is searched. For A3 or bigger documents, a part of documents are abandoned.
- (7) Back end margin disposal ... No
- (8) Cassette selection Appropriate paper size auto selection
- When paper is running out, paper is provided from another cassette with the same size of paper.
 - Tray-fix mode available
- (9) Index print No
- (10) 2-in-1 reception Yes
- $A4 \times 2 \rightarrow A3$, $B5 \times 2 \rightarrow B4$ and $A5 \times 2 \rightarrow A4$
 - 2-sided reception is not done when there are no regular sizes or when one page is received.

1.2.6 Memory Function

- (1) Display of used memory space Yes
- (2) Forced memory reception A password is required for printing received files. The password (four digits) is set when the forced memory reception mode is set in the key operation mode.
- (3) Memory substitute reception ... Yes (when there is no paper / no toner)
- (4) Dual access Refer to 9.1.
- (5) Reception multi copy No

1.2.7 Various Communication Function

- (1) Short protocol No
- (2) ECM..... Yes
 - Window size: 16k byte / 64k byte
- (3) Communication timer Yes
 - 24 hours maximum. 20 timers including one sequential polling timer 20 units.
- (4) Redial waiting Two redial timers maximum
- (5) Error page resending No (becomes the error page redial.)
- (6) Error page redial Effective to both quick memory transmission and memory transmission. Redial and retransmission in case of RTN or comm error.
 - Redial interval: follows the busy redial interval.
 - Num. of redials: 0 to 7 times (different counter from the busy redial)
- (7) Total page number print Yes
 - Automatic print to the TTI in memory transmission.
 - Added when the number of document pages is appointed for quick memory transmission.
- (8) Header memo No
- (9) TTI (Transmitting Terminal ID)..... Yes
 - 30 characters maximum
 - Added to the top of the sending images, not to the scanned document images when the image rotation or 2-in-1 is appointed. (When 2-in-1 is appointed, the TTI page becomes the page in the communication.)
- (10) RTI (Receiving Terminal ID) Yes
 - Recorded at the bottom before the image rotation / 2-in-1 combination are performed after processes for expansion or reduction
 - Date, time and page no. are recorded.
- (11) Remote diagnosis Read / Write
- (12) MH fix No
- (13) Urgent document sending mode.....No

- (14) Document insertion after dialingYes
 Document insertion is possible after dialing.
 Starts calling by using the [Start] button.
- (15) Communication history Yes
 The last 100 communication histories are recorded in the communication journal.
- (16) Machine communication managementYes
 - The total number of sent pages, received pages, no. of transmissions and no. of receptions are respectively shown in the management list (for service).
- (17) Electronic key counter Yes
 - The number of transmitted pages to each user. Limit control is not done.
- (18) Key counter Yes
 - When the key counter is not attached, use the parameter setting for the transmission operation.
 The reception and recording are performed
- (20) Coin vender No
 - It is impossible to use with FAX.

1.2.8 User Lists / Reports

- (1) Communication Journal The total of 100 communications (sending and reception) can be recorded.
 Automatic output ... at Every 100 com / daily / at Every 100 & daily
 Manual output Yes
- (2) Transmit reserve report Automatic output Users can turn ON / OFF.
- (3) Transmit report Automatic output (Always / Only on error / Users can turn OFF)
 Possible to output with images
- (4) Polled Tx reserve report Automatic output Users can turn ON / OFF.
- (5) Polled Tx result report Automatic output Users can turn ON / OFF.

-
- (6) Sync transmit reservation report Automatic output Users can turn ON / OFF.
 - (7) Sync transmit result report Automatic output Users can turn ON / OFF.
 - (8) Polled Rx reserve report Automatic output Users can turn ON / OFF.
 - (9) Sequential poll, Rx reservation report Automatic output Users can turn ON / OFF.
 - (10) Sequential poll, Rx result report Automatic output Users can turn ON / OFF.
 - (11) Confidential Rx report Manual output (numeric order or alphabetic order)
 - (12) Polled Tx result report Manual output
 - (13) Relay Request Rx report Manual output
 - (14) Relay Sync Tx result report Manual output
 - (15) Abbr dial list No
 - (16) Program entry list Yes (No responses to requesting stations)
 - (17) Group dial list Auto output at the F code confidential reception
 - (18) Fax setting list Yes

1.2.9 Other User Functions

- (1) Fax ID Number ID: 20 digits (max.)
- (2) Header note No
- (3) Language selection Yes

1.2.10 Service Mode Function

Refer to the Chapter 2 for details

1.2.11 FAX Service Counter

- FAX counts by each paper size
- Counts for the communication system

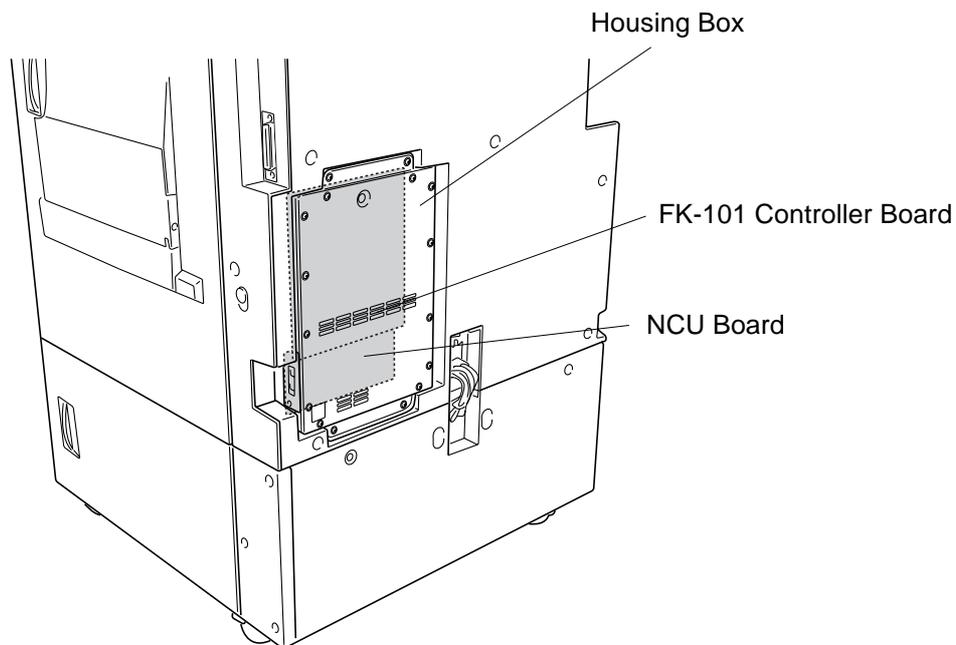
Refer to 3.4 for details.

1.3 Components Location

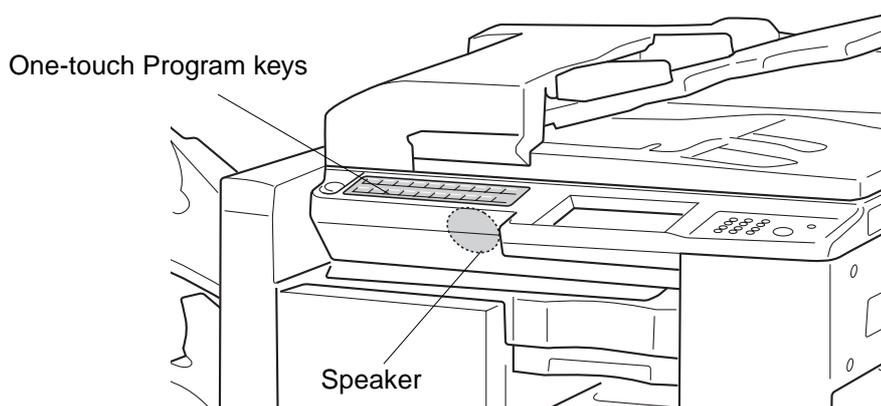
The location of the FK-101 is shown as follows.

The FK-101 body is attached to the lower-left corner of the back side of the Copier.

The one-touch program keys and the speaker are located at the upper-left corner of the Copier.



Location of the One-touch Program Keys and the Speaker



1.4 Inhibited Combinations

The following show combinations of application functions.

First \ Second	Memory transmission	2-in-1 Tx	Book transmission	Frame erase transmission	Original size select	Total page setting	Mixed size original	Z fold documents	Irregular documents	Long length documents	Edge correction	Polled transmission
Memory transmission		○	○	○	○	×	○	○	○	○	○	○
2-in-1 Tx	Auto selection		×	×	○(▼1)	×	×	○	×	×	×	○
Book transmission	Auto selection	×		○	○(▼2)	×	×	○	×	×	×	○
Frame erase transmission	Auto selection	×	○		○	×	○	○	×	×	○	○
Original size select	Auto selection	○(▼3)	○(▼4)	○		×	○	○	○	○	○	○
Total page setting	Auto cancellation	Auto selection	Auto selection	Auto selection	Auto selection		Auto selection	○	○	○	○	×
Mixed size original	Auto selection	×	×	○	○	×		×	×	×	×	○
Z fold documents	○	○	○	○	○	○	×		×	×	○	○
Irregular documents	○	×	×	×	○	○	×	×		×	○	○
Long length documents	○	×	×	×	○	○	×	×	×		×	○
Edge correction	○	×	×	○	○	○	×	○	○	×		○
Polled transmission	Auto selection	○	○	○	○	×	○	○	○	○	○	
Polling reception	×	×	×	×	×	×	×	×	×	○	×	×
Timer transmission	Auto selection	○	○	○	○	×	○	○	○	○	○	×
Int'l com mode	○	○	○	○	○	○	○	○	○	○	○	×
ECM OFF	○	○	○	○	○	○	○	○	○	○	○	×
V.34 OFF	○	○	○	○	○	○	○	○	○	○	○	○
Confidential transmission	○	○	○	○	○	○	○	○	○	○	○	×
Bulletin board	○	○	○	○	○	○	○	○	○	○	○	×
Relay request	○	○	○	○	○	○	○	○	○	○	○	×
Two sided	○	×	○	○	○	○	○	○	○	×	○	○
Cover+2sided	Auto selection	×	○	○	○	×	○	○	○	×	○	○
Platen	○	○(▼5)	○	○	○	○	○	○	○	○(▼5)	○(▼5)	○

First \ Second	Polling reception	Timer transmission	Int'l com mode	ECM OFF	V.34 OFF	Confidential transmission	Bulletin board	Relay request	Two sided	Cover+2sided	Platen	Document scanning
Memory transmission	×	○	○	○	○	○	○	○	○	○	○	○
2-in-1 Tx	×	○	○	○	○	○	○	○	×	×	×	○
Book transmission	×	○	○	○	○	○	○	○	○	○	○	○
Frame erase transmission	×	○	○	○	○	○	○	○	○	○	○	○
Original size select	×	○	○	○	○	○	○	○	○	○	○	○
Total page setting	×	Auto cancellation	○	○	○	○	○	○	○	×	○	×
Mixed size original	×	○	○	○	○	○	○	○	○	○	○	○
Z fold documents	×	○	○	○	○	○	○	○	○	○	○	○
Irregular documents	×	○	○	○	○	○	○	○	○	○	○	○
Long length documents	○	○	○	○	○	○	○	○	×	×	×	○
Edge correction	×	○	○	○	○	○	○	○	Auto selectio	○	○	○
Polled transmission	×	×	×	×	○	×	×	×	○	○	○	○
Polling reception		○	×	×	○	×	○	×	○	×	○	×
Timer transmission	×		○	○	○	○	○	○	○	○	○	○
Int'l com mode	×	○		○	○	○	○	○	○	○	○	○
ECM OFF	×	○	○		×	○	○	○	○	○	○	○
V.34 OFF	○	○	○	○		○	○	○	○	○	○	○
Confidential transmission	×	○	○	○	○		×	×	○	○	○	○
Bulletin board	○	○	○	○	○	×		×	○	○	○	○
Relay request	×	○	○	○	○	×	×		○	○	○	○
Two sided	○	○	○	○	○	○	○	○		Auto cancellation	Auto cancellation	○
Cover+2sided	×	○	○	○	○	○	○	○	Auto cancellation		Auto cancellation	○
Platen	○	○	○	○	○	○	○	○	×	×		○

Auto selection : Automatically selects a memory transmission.

Auto cancellation : Automatically cancels the function which was previously selected.

(▼1) : B6R, B4, A3 and Legal are not selectable.

(▼2) : Only B4, A3 and Legal are selectable.

(▼3) : Not selectable when B6R, B4, A3 and Legal are selected.

(▼4) : Not selectable when other paper sizes than B4, A3, Legal are selected.

(▼5) : Changed to the RADF mode.

- On the application function screen shown while pausing the document scanning, the selected application function buttons are inverted in black and other advanced function buttons which can no be changed become gray out. (The document size can be changed at selection of mixed size documents only.)

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