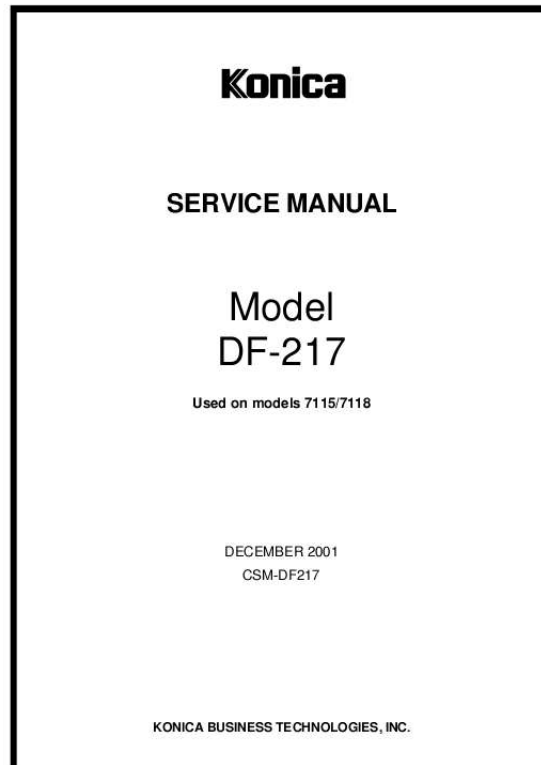




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for KONICA MINOLTA DF-217. You'll find the answers to all your questions on the KONICA MINOLTA DF-217 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual KONICA MINOLTA DF-217
User guide KONICA MINOLTA DF-217
Operating instructions KONICA MINOLTA DF-217
Instructions for use KONICA MINOLTA DF-217
Instruction manual KONICA MINOLTA DF-217



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Manual abstract:

Printed in U.S.A. CONTENTS GENERAL, MECHANICAL/ELECTRICAL SPECIFICATIONS

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T-1 1-2. Misfeed Troubleshooting Procedures

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..... T-2 iii iv SAFETY PRECAUTIONS 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. 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. · 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. General Safety Guidelines This equipment 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 equipment 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 equipment is disconnected from its power source before continuing.

· · 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 equipment has 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 equipment 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 · · · 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. v SAFETY PRECAUTIONS · · · 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. 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. 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.



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D-8 (2) CD Registration Adjustment NOTE · This adjustment must be made after the "FD Zoom Ratio Adjustment" has been made. Specification B: 20 ± 2.0 mm Mode Adjust Mode Code No. 8 Setting Range 0 to 200 (1 step: 0.1 mm) Adjustment Procedure: 1. Make a copy of the test chart. 2. Using a scale, measure dimension B on the copy and determine if the amount of error falls within the specified range. Perform the following adjustment steps if dimension B falls outside the specified range. 3. Set the copier into the Adjust mode. 4. With "AJ-" shown on the Display, enter the code number "8" from the KEYPAD. Then, press the START to enter the ADF CD Registration Adjustment mode. 5. Press the CLEAR to reset the current setting value. 6.

Enter the new setting value from the KEYPAD and press the START. 7. Make a copy of the test chart again and check dimension B for error. Setting Procedure · If dimension B on the copy is longer than the specified range, increase the setting value. · If dimension B on the copy is shorter than the specified range, decrease the setting value. · Repeat steps 3 through 7 if one adjustment sequence does not bring the dimension into the specified range. D-9 (3) FD Registration Adjustment NOTE · This adjustment must be made after the "FD Zoom Ratio Adjustment" has been made. Specification C: 20 ± 2.5 mm Mode Adjust Mode Code No. 9 Setting Range 50 to 150 (1 step: 0.

1 mm) Adjustment Procedure: 1. Make a copy of the test chart. 2. Using a scale, measure dimension C on the copy and determine if the amount of error falls within the specified range. Perform the following adjustment steps if dimension C falls outside the specified range.

3. Set the copier into the Adjust mode. 4. With "AJ-" shown on the Display, enter the code number "9" from the KEYPAD. Then, press the START to enter the ADF FD Registration Adjustment mode.

5. Press the CLEAR to reset the current setting value. 6. Enter the new setting value from the KEYPAD and press the START. 7. Make a copy of the test chart again and check dimension C for error. Setting Procedure · If dimension C on the copy is longer than the specified range, increase the setting value. · If dimension C on the copy is shorter than the specified range, decrease the setting value. · Repeat steps 3 through 7 if one adjustment sequence does not bring the dimension into the specified range. D-10 TECH.

REP. MODE 1. 1-1. TECH. REP. MODE Tech. Rep. Mode Setting Procedure 1. Press the COUNTER. 2.

Press the following keys in this order: STOP 0 0 STOP 0 1. 1-2. ADF Document Passage Test · This test is run to check for correct paper passage through the ADF. Procedure: 1. Enter the Tech.

Rep. mode. 2. Enter the code number "12" from the KEYPAD and press the START. 3.

Load a document in the ADF. 4. With "doc" shown on the Display, press the START to start the sequence. NOTES · Pressing the START starts the sequence and pressing the STOP stops it. · The sequence is not started if a document is not loaded in the ADF. 1-3. ADF Original Glass Check · The area through which the original is fed is scanned and printed to check for possible dirt and scratches on the glass. Procedure: 1. Enter the Tech. Rep.

mode. 2. Enter the code number "13" from the KEYPAD and press the START. 3. With "Adj" shown on the Display, press the START to start the sequence. 4. Two copies are fed out. Check the first copy for traces of contamination and scratches. NOTE · Load the tray with A3R or 11×17 paper for this check. S-1 S-2 TROUBLESHOOTING 1.

1-1. MISFEED DETECTION TIMING AND MISFEED TROUBLESHOOTING PROCEDURES Misfeed Detection Timing · When a paper misfeed is detected, the copier panel gives a display as shown below. · The symbol "L" given in () indicates that the leading edge of the paper is detected by the sensor. Type Paper left ADF take-up failure ADF transport failure ADF exit failure Code -- J80 J81 J83 Detection Start Power Switch ON Misfeed reset Power Switch ON Power Switch ON Power Switch ON Detection Separator Sensor (L) Registration Sensor (L) Paper Exit Sensor (L) Separator Sensor (L) Registration Sensor (L) Paper Exit Sensor (L) T-1 1-2. Misfeed Troubleshooting Procedures · The document is not properly detected when it is loaded.

· The document is not taken up at all. Step 1 2 3 Check Item Document being used falls outside the category of reliable feeding. A document set not exceeding the capacity of the Document Feeding Tray is loaded. Pick-Up Roller properly presses the original down. Paper Empty Sensor check: The voltage across CN2-3 on the Interface Board (PWB) and GND is DC5 V when there is no paper and DC0 V when there is paper.

Main Motor drive is properly transmitted. Result NO NO NO Action Instruct the user. Instruct the user. Correct the drive coupling (to ensure proper meshing of drive transmitting gears). Correct the actuator. Change the sensor. 4 YES Change the Interface Board. NO 5 YES Correct the drive coupling (to ensure proper meshing of drive transmitting gears). NO Change the Main Motor. Change the Interface Board.

· Multiple feed of document pages occurs. Step 1 2 3 Check Item Document being used falls outside the category of reliable feeding. A document set not exceeding the capacity of the Document Feeding Tray is loaded. Take-Up Roller, Pick-Up Roller, and/or Exit Roller are deformed, worn, or dirty with paper dust. Pressure between the Separator Roller and Take-Up Roller is good. Result NO NO Action Instruct the user. Instruct the user. YES Clean or change the defective roller. NO Check the spring for correct installation. 4 YES Change the roller.

T-2 · The document stops midway. Step 1 2 3 4 Check Item Foreign object is present on the paper path. Take-Up Section Cover is closed in position. Registration Roller and/or Exit Roller are deformed, worn, or dirty with paper dust. Registration Roller and Exit Roller turn.

Result Action YES Remove the foreign object. NO Close the cover. YES Clean or change the defective roller. NO Correct the drive coupling (to ensure proper meshing of drive coupling gears and belts). Correct the actuator.

Change the sensor. 5 Registration Sensor check: The voltage across CN2-6 on the Interface Board (PWB) and GND is DC0 V when there is no paper and DC5 V when there is paper. YES Change the Interface Board. NO · The document is fed in askew. Step 1 2 3 4 Check Item Foreign object is present on the paper path. Take-Up Section Cover is closed in position. Document consists of pages of different sizes. Any of the rollers is deformed, worn, or dirty with paper dust. Result Action YES Remove the foreign object. NO Close the cover.

YES Reload the document. YES Clean or change the roller.



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Holder Holder

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3 3 3 5 7 4 5 7 6 22 R Rack
. Regulating Plate Regulating Plate Roll
. . . Roll

Roller Roller
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Roller Roller
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. 5 5 5 3 3 7 7 7 7 9 9 9 8 2 4 9 13 7 8 21 25 32 1 2 7 K Knob

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. . . 9 24 B Ball Bearing Bracket
. Brush . . . Bushing . . Bushing . . Bushing . .

. Bushing
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. 9 3 5 7 7 9 9 3 11 12 4 12 14 19 L Label

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. Label
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. . . Label

. 5 5 7 3 5 39 S Screw
. . Screw
. . . . Separator Pad
. Shoulder Screw . . Solid State Switch Solid State Switch Solid State Switch Solid State Switch Spacer Stop Ring

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Stopper
. Stopper Stopper Ring

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..... 3 5 5 3 7 9 7 9 9 9 2 9 11 12 23 23 9 5 6 16 20 F Friction Sheet
.. 7 17 W Wire Harness Assembly .. 3 1 G Gear .

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..... Gear

..... 5 9 10 18 Model DF-217 1st Edition Konica Business Technologies, Inc. Page 11 December, 2001 This page left blank intentionally.
Page 12 December, 2001 Konica Business Technologies, Inc. Model DF-217 1st Edition Numerical index PART NUMBER 112E40190 . 112E75010 .
112E75010 . 11UP46210 11UP46410 14AA-4010 .

14AA-4020 . 14AA-4030 . 14AA-9010 . 14AA-9100 . 14AA14010 14AA14020 14AA14050 14AA14060 14AA14070 14AA14080 14AA19020 14AA19030
14AA19040 14AA19050 14AA40010 14AA40020 14AA40030 14AA40040 14AA40050 14AA40060 14AA40070 14AA40080 14AA40090 14AA40100
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14AA40390 14AA40400 14AA40410 14AA40420 14AA40430 14AA40440 14AA40470 14AA40480 14AA40490 14AA40500

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14AA75030 14AA75030 14AA77010 14AA77020 14AA77510 14AA77520 14AA77530 14AA77540 14AA77550 14AA78010 14AA78020 14AA78030
14AA80010 14AA82010 14AA85010 14AA85010 14AA85010 14AA85020 14AA97010 14AA97020 14AA97040

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