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Brother Color Laser Printer  
**SERVICE MANUAL**

MODEL:  
HL-4040CN/4050CDN/4070CDW



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Keep this manual in a convenient place for quick and easy reference at all times.

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SM-FRN061  
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## Book Descriptions:

# brother 4040cn manual

Keep this manual in a convenient place for quick and easy reference at all times. February 2007 SMPRN061 Confidential. The contents of this manual and the specifications of this product are subject to change without notice. Brother reserves the right to make changes without notice in the specifications and materials contained herein. This information is vital to the service personnel to maintain the high printing quality and performance of the machine. This manual consists of the following chapters. Use the latter group if the machine malfunctions due to mismatching. It means that at the end of the life of the equipment you must dispose of it separately at an appropriate collection point and not place it in the normal domestic unsorted waste stream. Changes or modifications not expressly approved by Brother Industries, Ltd. Confidential. MANUFACTURED Brother Technology Shenzhen Ltd. NO6 Gold Garden Ind., Nanling Buji, Longgang, Shenzhen, China This product complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No.50, dated July 26, 2001. CAUTION In case of any trouble with the laser unit, replace the laser unit itself. To prevent direct exposure to the laser beam, do not try to open the enclosure of the laser unit. Electrical Hazard icons alert you to a possible electrical shock. Hot Surface icons warn you not to touch machine parts that are hot. Cautions specify procedures you must follow or avoid to prevent possible damage to the machine or other objects. WARNING There are high voltage electrodes inside the machine. Before you clean the inside of the machine or replace parts, make sure that you have turned off the power switch and unplugged the machine from the AC power outlet. Doing this may cause a fire or electrical shock. If the machine becomes hot, blows smoke, or generates obscure odor, immediately turn off the power switch and unplug the machine from the AC power outlet. <http://bluemarine-logistics.com/vietkiendo/upload/curtis-manuals.xml>

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If metal objects, water or other liquids get inside the machine, immediately turn off the power switch and unplug the machine from the AC power outlet. It is impossible to anticipate all of the possible troubles which may occur in future and determine the troubleshooting procedures, so this chapter covers some sample troubles. If the machine does not work normally it judges that an error has occurred, and indicates the corresponding error message on the LCD, which in turn helps the end user to quickly find out the problem. Error Indication The error codes shaded in the table below are recoverable errors if following the User Check items. Error code 50 Drum End Soon Replace the drum unit User Check Replace the drum unit with a new one. Incorrect paper size User Check Check the paper size to be supported and load the appropriate size of paper. Error code 91 T1 Size Mismatch Load. User Check Select the correct paper size in the driver to match the paper in Tray 2. Error code 99 Size Error DX Press Cancel. Defective DIMM is installed. User Check Check if the DIMM is installed correctly. Replace the DIMM with a new one. Error code E0 Print Unable E0 Turn the power off and then back on again. If the same problem occurs follow each procedure in the order of the number described in the Step column in the table below. Error code 20K Print Unable 20 Turn the power off and then back on again. Laser diode failure K Error code 21Y Print Unable 21. Develop drive motor failure Error code 26 Print Unable 26 Turn the power off and then back on again. Belt drive motor failure Error code 27 Print Unable 27 Turn the power off and then back on again. Belt cleaner release sensor failure Step Cause Remedy Harness connection failure Check the harness

connection between the belt between belt cleaner release cleaner release sensor PCB and belt cleaner sensor PCB and belt cleaner release solenoid and reconnect them.<http://ndesert.nazwa.pl/userfiles/curtis-pc-1d-manual.xml>

Error code 2DY Print Unable 2D Turn the power off and then back on again. Error code 2EM Print Unable 2E Turn the power off and then back on again. Error code 2FC Print Unable 2F Turn the power off and then back on again. Density sensor failure Error code 32 Print Unable 32 Turn the power off and then back on again. Density sensor shutter performance malfunction User Check Check if there is a scratch, dirt or the like on the belt unit. NVRAM failure on Engine PCB Step Cause Remedy Engine PCB failure Replace the engine PCB ASSY. Error code 36 Print Unable 36 Turn the power off and then back on again. Transfer HVPS PCB failure Step Cause. THM sensor failure Error code 39 Print Unable 39 Turn the power off and then back on again. Writing error into engine program Step Cause Remedy The machine is turned off Turn the power on. Resend the engine program while rewriting the data into data DJF format with the USB memory while the the engine program. Leave the machine for 15 min. Error code 59 SelfDiagnostic Will Automatically Restart within 15 minutes. If the same error is detected again 15 minutes later, the message below is indicated. Print Unable 6A Turn the power off and then back on again. Step Cause Remedy Waste toner sensor failure Check the sensor performance following the procedure described in "Maintenance mode 32". Replace the toner cartridge whose color is blinking. User Check Gently shake the toner cartridge of the appropriate color from side to side and install it again. Replace the toner cartridge of the appropriate color. Fuser unit failure The side thermistor detects higher temperature than the specified value. Error code 69 Print Unable 69 Turn the power off and then back on again. Fuser unit failure The side thermistor detects lower temperature than the specified value. Error code 6A Print Unable 6A. Polygon motor failure Error code 72 Print Unable 72 Turn the power off and then back on again.

Beam detecting sensor K failure Error code 73 Print Unable 73 Turn the power off and then back on again. Fuser unit failure The center thermistor detects rapid temperature rising. Step Cause Remedy Fuser unit failure Replace the fuser unit. Error code 78 Print Unable 78 Turn the power off and then back on again. See Troubleshooting chapter in User's Guide. Incorrect density sensor measurement value when implementing calibration from the control panel. Error code 82 Calibrate Calibration failed. Press Go, and try again. Density patch measurement is not completed normally when implementing calibration from the control panel. Error code 88 Jam Inside Jam Inside Open the Front Cover, pull out the Drum Unit completely and remove the jammed paper. Paper jam inside the machine User Check Check if the paper is jammed. User Check Check if Tray 1 T1 is installed into the machine. Check if the paper is jammed in Tray 1 T1. Step Cause Remedy. Paper jam in the appropriate tray User Check Check if the paper is jammed in the appropriate tray. Press Go and try again. Auto color registration failure when implementing it from the control panel Error code 8F Registration Registration failed. See Troubleshooting chapter in User's Guide. Sensor sensitivity adjustment failure when implementing auto color registration from the control panel Error code 9D Registration. No paper in MP tray MP User Check Load the paper into the MP tray. Error code 9A Manual Feed Load Paper, and press Go. Manual paper feeding is selected. User Check Load the paper into one of the trays, then press the Go button. If any problem occurs, replace the LT paper feed frame unit. Identification failure for a new toner cartridge K Error code C1Y Cartridge Error Put the Yellow Y Toner Cartridge back in. Identification failure for a new toner cartridge Y Error code C2M Cartridge Error Put the Magenta M Toner Cartridge back in.

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Tray 2 LT plateup function malfunction User Check Check if Tray 2 LT is installed into the machine. Step Cause Remedy Connection failure between Replace the connector. Press Cancel and delete the previously stored data. RAM area for secure data full User Check Delete the stored data. Step Cause

Remedy Main PCB failure Replace the Main PCB ASSY. Error code CA Unusable Device Remove the Device. Fuser unit is not installed into the machine. User Check Check if the fuser unit is installed into the machine. Step Cause Remedy Harness connection failure Check the harness connection between the fuser between fuser unit connector unit connector and engine PCB, and reconnect it. Refer to the User's Guide for how to install. Waste toner box is not installed into the machine. User Check Check if the waste toner box is installed into the machine correctly. Step Cause Remedy. NVRAM error on main PCB Step Cause Remedy Main PCB failure Replace the main PCB ASSY. Error code EB Print Unable EB Turn the power off and then back on again. NVRAM reading error on laser unit Step Cause. No Feeding Step Cause. Registration front Does the registration front Reassemble the actuator catching actuator move smoothly. Step Cause Check Remedy Result. Specify the cause referring to the diameters of the rollers or pitch which appears in the image as shown in the table below. Parts name Diameter The pitch which appears in the image. High temperature and high humidity conditions can cause this problem. Replace the toner cartridge or drum unit with a new one. Implement calibration from the control panel. Step Cause Check. High temperature and high humidity conditions can cause this problem. Replace the toner cartridge or drum unit with a new one. Implement calibration from the control panel. Step Cause Check Remedy Result Corona wire. Step Cause Check Remedy Result Developing bias Are the electrodes on the Clean both electrodes. Scanner harness Is the scanner harness Reconnect the scanner.

<http://www.federicocastelnovo.com/images/compex-np27g-user-manual.pdf>

Is the corona wire Replace the drum unit. In this case, clean the corona wire with the wire cleaner. Replace the drum unit with a new one. Replace the toner cartridge with a new one. Step Cause Check Remedy Result Dirt on the Are the electrodes on the Clean both electrodes charged electrode drum unit and machine. High temperature and high humidity conditions can cause this problem. Step Cause Check Remedy Result Laser unit failure Is the problem solved Replace the laser unit. Make sure that the drum unit gears "1" are on the left hand. Try to change to freshly unpacked paper. Toner may be empty. Replace the toner cartridge with a new one. If the same problem occurs after printing a few pages, the adhesive of the label or the like, paper powder or dirt may be attached on the surface of the exposure drum. Replace the toner cartridge with a new one. Step Cause Check Remedy Result Transfer HVPS Is the problem solved Replace the transfer PCB failure after replacing the HVPS PCB ASSY. Charge HVPS. Step Cause Check. Step Cause Check. Step Cause Check Remedy Result Wireless LAN Is the problem solved Replace the wireless PCB failure after replacing the LAN PCB ASSY. HL4070CDW wireless LAN PCB ASSY Step Cause Check Remedy Result Harness Is the harness of the LCD Reconnect the LCD connection failure panel PCB ASSY panel PCB ASSY of LCD panel connected correctly. WARNING Always turn off the power switch and unplug the power cord from the power outlet before accessing any parts inside the machine. When opening the front cover or back cover to access any parts inside the machine, never touch the shaded parts shown in the following figures. These parts would affect the product quality if they lose their functionality even if they do not appear to be damaged or there is no change in their appearance. The periodical replacement parts listed in the table below should be replaced according to the service life. Back cover Fig.

<https://elitesoftsolutions.com/images/compex-ps2208b-manual.pdf>

21 2 Remove the two pan washer B M4x14 Taptite screws, and then pull out the Fuser unit to the back of the machine. Back cover Fig. 27 4 After replacing the Fuser unit, reset the counter. Refer to "2.3 Parts Life Reset Function" in this chapter. Confidential. Front cover release button Front door unit ASSY Fig. 28 2 Open the Back cover. Back cover Fig. 29 Confidential. Back cover upper Taptite, cup S M3x8 Fig. 210 4 Remove the two cup S M3x8 Taptite screws, and then remove the Back cover ASSY. Hook Taptite, cup S M3x8 Back cover ASSY. Note When removing the Side cover L ASSY, pay attention to the Wire support rope. Top cover ASSY Taptite, cup B M4x14 Taptite, cup B M4x14 Fig.

214 10 Remove the three cup S M3x8 Taptite screws from the front side of the Top cover ASSY. Top cover ASSY Taptite, cup S M3x8. Hooks Top cover ASSY Hooks Hooks Frame unit. Hook slope Taptite, cup S M3x8 Hook slope. Scanner cover Taptite, cup S M3x6 Taptite, cup S M3x6 Taptite, cup S M3x6 Taptite, cup S M3x6 Frame unit. Scanner holder Taptite, cup S M3x6 SR Taptite, cup S M3x6 SR Laser unit Taptite, cup S M3x6 SR Taptite, cup S M3x6 SR Scanner holder Scanner holder Frame unit. Laser unit Fig. 224 3 Assemble the Scanner cover with the ten cup S M3x6 Taptite screws 9 pieces on the top and 1 piece on the front side. Hook slope Taptite, cup S M3x8 Hook slope Taptite, cup S M3x8 Frame unit Fig. 226 5 Connect the Connector into the Wireless LAN PCB ASSY. HL4070CDW only Wireless LAN PCB ASSY Connector Frame unit. LCD panel PCB ASSY Connector 6pin USB host relay PCB ASSY Connector 5pin Frame unit Fig. 228 7 Align the two Hooks of the front side of the Top cover ASSY with the Frame unit and catch the six Hooks at the same time. Top cover ASSY Taptite, cup S M3x8 Taptite, cup S M3x8 Taptite, cup S M3x8 Fig. 230 9 Secure the two cup B M4x14 Taptite screws on the back side of the Top cover ASSY. Top cover ASSY Taptite, cup B M4x14. Taptite, cup S M4x8 Hooks Side cover R ASSY.

Hook Taptite, cup S M3x8 Back cover ASSY Hook Taptite, cup S M3x8 Fig. 234 13 Assemble the Back cover upper with the two cup S M3x8 Taptite screws. Back cover upper Taptite, cup S M3x8. Paper tray Fig. 238 2 Release the two Hooks of the Separation pad ASSY, and then lift up the Separation pad ASSY. Separation pad ASSY Paper tray Separation pad spring Fig. Paper feed frame unit Roller holder ASSY Fig. 242 1 Assemble the Roller holder ASSY onto the Paper feed frame unit in the order of the arrow 1a, 1b and 1c. Note Check whether the Lift arm is moved by putting the Roller holder upwards. Note Check that the Separation pad ASSY pivots up and down smoothly by pushing it gently. Separation pad ASSY Paper tray Fig. Hooks MP feed frame cover Front door unit ASSY. Slide the Holder bush MP in the direction of arrow 4b, and then remove the Holder bush MP from the shaft of the MP roller holder ASSY. MP roller holder ASSY Holder bush MP Front door unit ASSY. Note Be careful not to loose the Separation pad spring MP. Separation pad spring MP Front door unit ASSY Separation pad ASSY MP Fig. Slide the MP roller holder ASSY to the direction of the arrow 3b to reassemble it. MP roller holder ASSY Separation pad ASSY MP Hole Holder shaft. Note When assembling the MP lift arm 2, make sure that the shaft of the MP roller holder ASSY is put into the hole on the MP lift arm 2. HOT SURFACE Some parts inside the machine are extremely hot immediately after the machine is used. When opening the front cover or back cover to access any parts inside the machine, never touch the shaded parts shown in the following figures. Main body AC cord Fig. 31 Toner Cartridge 1 Press the Front cover release button, and open the Front door unit ASSY. Front cover release button Front door unit ASSY Fig. Lift the drum unit up and then pull it out until it stops. Green handle Drum unit Fig. 33 Note If you cannot pull the drum unit out, make sure that the front door unit ASSY is fully open as shown below.

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Then, hold the Handle of the Toner cartridge and pull it out of the drum unit. Handle Lock Lock Toner cartridge Fig. 35 4 Repeat Step 3 for all the other Toner cartridges. Toner cartridge Fig. The drum lock lever R is also released engaging with the action of the lock lever L. Drum lock lever R Drum lock lever L Drum lock lever L Fig. Drum lock lever L Fig. 39 326 Confidential. Front door unit ASSY Paper tray Fig. 312 3 Release the two Hooks of the Separation pad ASSY, and then lift up the Separation pad ASSY. Separation pad ASSY Paper tray Separation pad spring Fig. Boss MP paper guide ASSY MP cover ASSY Boss Fig. Bend section "A" then, remove the MP paper guide ASSY. MP paper guide ASSY MP paper guide ASSY "A". Boss A Boss A MP paper guide ASSY MP paper guide ASSY Boss B Boss B Fig. 322 333 Confidential. MP roller holder ASSY Holder bush MP Front door unit ASSY. Note Be careful not to loose the Separation pad spring MP. Separation pad spring MP Front door unit ASSY Separation pad ASSY MP Fig. Back cover upper Taptite, cup S M3x8 Fig. 332

339 Confidential. Transfer HVPS PCB unit Boss Hook. Transfer HVPS PCB unit Electrode head Connector Fig. 341 2 Disconnect the flat cable CN1 and two connectors CN5, CN8 from the Registration relay PCB unit. Taptite, bind B M3x8 Registrationmark sensor PCB ASSY 1 Connector Density sensor holder Blue CN3 Note Do not touch the Variable resistor on the back of the Density sensor. Variable resistor Density sensor Taptite, bind B M3X8 Connector Registration relay PCB ASSY Transfer HVPS PCB unit. Remove the bind B M3x8 Taptite screw from the Registration relay PCB ASSY. 11 Remove the Registration relay PCB ASSY from the Transfer HVPS PCB unit. Taptite, bind B M3X8 Transfer HVPS PCB unit Registration relay PCB ASSY Fig. Note When removing the Side cover L ASSY, pay attention to the Wire support rope. Taptite, cup S M4x8 Side plate LB Taptite, cup B M4x12 Taptite, cup S M3x6. Drum unit fan OPC Label Connector Engine PCB ASSY Fig.

357 Assembling Note When assembling the Drum unit fan OPC, place it so that the attached Label faces outwards. 353 Confidential. Then, turn the Roller holder ASSY to the direction of the arrow 1b. Paper feed frame unit Lift arm Roller holder ASSY Boss. Remove the cup S M3x6 Taptite screw and two bind B M3x10 Taptite screws. Hook Hook PF CR harness holder Fig. 363 5 Remove the Harness from the PF CR harness holder. Harness PF CR harness holder Fig. 364 357 Confidential. Taptite, bind B M3X8 Taptite, bind B M3X8 Taptite, bind B M3X8 PF plate Paper feed frame Fig. 365 7 Release the Hook of the Separation roller bush to remove it. Then, remove the Separation roller drive shaft. Implement the operations below while holding the status described in Step 3. 1 When pushing up the Roller holder ASSY with your hand, the end section "A" of the Lift arm goes down. Gear Paper feed frame unit. Side frame L Paper feed frame unit Fig. Middle plate Hook Hook Belt cleaner release ASSY Fig. 376 2 Turn the Belt cleaner release ASSY upside down. Remove the bind B M3x8 Taptite screw, and then remove the SOL PCB sheet and Belt cleaner release sensor PCB ASSY. Frame unit Hook Release rack spring Fig. 382 2 Remove the cup B M3x8 Taptite screw, and then remove the Release rack plate from the Release rack. 3 Remove the Release rack spring from the Release rack plate. Frame unit Taptite, cup S M3x6 Earth Front door unit ASSY Fig. 384 2 Disconnect the six connectors CN2, CN3, CN4, CN7, CN8, CN9 from the Engine PCB ASSY. Note When removing the Retaining ring E3, be careful not to drop it into the machine. Shaft Wire support rope Retaining ring E3 Frame unit. Frame unit Front door unit ASSY Collar 3 Hinge plate R Hinge shaft R. Frame unit Hinge Front door unit ASSY. Taptite, cup B M4x10 Taptite, cup B M4x10 Front door unit ASSY Taptite, cup B M4x10 Taptite, cup B M3x8. Front cover release button Front cover release button Button spring Button spring Hooked Hooked Hook cover Fig.

397 5 Release the two Hooks to remove the Front door Main from the Front door unit ASSY. Front door unit ASSY Front door main Hooks. Hook Hook spring L. Engine PCB ASSY CN31 CN29 CN43 CN42 CN40 CN30 CN38 CN32 CN34 CN36 CN41 CN37 CN39 CN33 CN35 CN28 CN27 CN26 CN10 CN25 CN21 CN11 CN14 CN20 CN24 CN18. Main PCB ASSY Screws Frame unit Taptite, cup S M3x6. Waste toner sensor Hook Waste toner sensor holder Hook "A" Hooks Hook Waste toner sensor Hooks Waste toner sensor Fig. Top cover ASSY Taptite, cup B M4x14 Taptite, cup B M4x14 Fig. 3110 2 Remove the three cup S M3x8 Taptite screws from the front side of the Top cover ASSY. Top cover ASSY Taptite, cup S M3x8. Hooks Top cover ASSY Hooks Hooks Frame unit. Taptite, cup B M4x12 Taptite, cup B M4x12 Top cover panel ASSY Top cover ASSY LCD panel PCB ASSY Fig. Rubber key printed ASSY Top cover panel ASSY Fig. 3116 8.39 Key Cap Up, Down, L, R 1 Remove the Key cap up, down, L and R from the Top cover panel ASSY. Key cap L Key cap up Key cap down. Taptite, bind B M3X8 USB holder Top cover panel ASSY Fig. 3118 2 Remove the USB host relay PCB ASSY from the Top cover panel ASSY. USB host relay PCB ASSY Top cover panel ASSY Fig. LCD stopper LCD panel ASSY Fig. 3122 8.42 Paper Chute 1 Remove the six cup B M4x12 Taptite screws. 2 Release the nine Hooks to remove the Paper chute from the Top cover panel ASSY. Taptite, cup B M4x12 Paper chute Taptite, cup B M4x12. LCD stopper rubber Paper chute Fig. 3124 4 Release the two Pins of the Paper stopper at the right and left hand sides and remove the Paper stopper from the

Paper chute. Paper stopper Paper chute Fig. Wireless LAN PCB ASSY Connector Frame unit Fig. 3128 2 Remove the cup S M3x8 Taptite screw. 3 Release the three Hooks to remove the Wireless LAN holder from the Frame unit. Wireless LAN holder Taptite, cup S M3x8 Hooks. Hook Wireless LAN holder Wireless LAN PCB ASSY Fig. 3130 392 Confidential. Laser unit Fig.

3133 4 Remove the seven cup S M3x6 SR Taptite screws, and then remove the four Scanner holders and Laser unit. Scanner holder Taptite, cup S M3x6 SR Laser unit. Frame unit Rack gear 27 Fig. 3135 2 Remove the Alum sheet frame from the Develop gear plate ASSY. 3 Remove the seven cup S M3x6 Taptite screws, and then remove the Develop gear plate ASSY from the Frame unit. Taptite, cup S M3x6 Taptite, cup S M3x6 Develop drive motor ASSY Taptite, cup S M3x6 Develop gear plate ASSY Fig. Frame unit Flat cable Harness Develop gear plate ASSY Fig. Attach the Alum sheet frame so that it is aligned with the corner of the square hole as shown in the figure below. Alum sheet frame Alum sheet frame Flat cable. Frame unit Engine PCB plate Taptite, cup S M3x6 Engine insulation sheet Taptite, cup S M3x6 Fig. 3144 Assembling Note When assembling the Engine PCB plate, make sure that the section "A" is caught on the Hook of the Drive frame unit ASSY. If their replacement is required, replace the complete Drum drive ASSY. Frame unit Drive frame unit ASSY Connector Taptite, bind B M4x12 Drive frame unit ASSY. Disconnect the Connector from the Develop release sensor PCB ASSY. Frame unit Hook Connector Taptite, cup B M3x8 Develop release sensor PCB ASSY. Frame unit Taptite, bind B M3X12 Develop press drive L ASSY Taptite, bind B M3X12 Taptite, bind B M3X12. Develop press drive L ASSY Pull up lever spring for L Pull up lever L Section where the spring is hooked Fig. Interlock switch holder spring Hook B Hook D Hook B Interlock harness guide Develop press drive L ASSY Hook C Hook A Hook A. Drum lock lever plate L ASSY Frame unit Drum lock spring. Frame unit Screw, bind M3x8 Drum lock lever R Drum lock lever plate R ASSY Fig. Hooks Frame unit. Before assembling the Charge HVPS PCB ASSY, check that these four parts are complete, and that they move smoothly. HVPS DEV head HVPS charge head HVPS DEV. Toner LED PCB Frame unit Screw pan p washer M3x16 Fig.

3177 2 Release the two Hooks to remove the LED holder from the Toner LED PCB. 3 Remove the other three Toner LED PCBs in the same way. Frame unit Fuser unit fan FU Label Fig. 3179 Assembling Note When assembling the Fuser unit fan FU, place it so that the attached Label faces outwards. 3120 Confidential. Frame unit LVPS fan PS Label Fig. 3180 Assembling Note When assembling the LVPS fan PS, place it so that the attached Label faces outwards. 3121 Confidential. Frame unit Air intake fan AIR Label Fig. 3181 Assembling Note When assembling the Air intake fan AIR, place it so that the attached Label faces outwards. 3122 Confidential. LVPS insulation sheet PS PCB unit LVPS V0 insulation sheet Fig. 3182 2 Remove the Power supply switch from the Belt gear plate ASSY by pushing the Hooks inwards. Frame unit Taptite, flat B M3x10 Power inlet Screw pan Ground terminal. PS PCB unit CN103 CN102 CN101 Fig. 3186 Assembling Note Assemble the LVPS insulation sheet so that the section "A" is in the position as shown in the figure below. Power supply switch Belt gear plate ASSY Fig. 3188 When assembling the PS PCB unit, align it with the two Bosses on the Frame unit. Belt gear plate ASSY Hooks Harness holder 16AWG Hook Fig. 3190 2 Remove the three cup B M4x12 Taptite screws and Screw, cup M3x6, and then remove the Belt gear plate ASSY from the Frame unit. Frame unit LV fan duct Taptite, bind B M3X10 Fig. 3192 4 Remove the three cup B M4x12 Taptite screws, and then remove the Belt unit drive motor ASSY from the Frame unit. LT separation pad ASSY LT paper tray LT separation pad spring Fig. Taptite, bind B M4x10 Hooks Taptite, bind B M4x10 Hook Pinch roller holder cover LT Hook. Pinch roller sub ASSY LT paper tray Pinch roller sub ASSY Fig. 3201 3133 Confidential. Shoulder screw LT cover rear Shoulder screw Shoulder screws Fig. 3202 2 Release the two Pins on the bottom to remove the LT cover rear. LT cover rear Fig. Shoulder screw LT cover left Shoulder screws Fig.

3204 2 Release the two Hooks on the upper side and the two Hooks on the back side to remove the LT cover left. Shoulder screw LT cover right Shoulder screw Shoulder screw Fig. 3206 2 Release the

two Hooks on the upper side and the two Hooks on the back side to remove the LT cover right. LT relay PCB ASSY Fig. 3208 2 Remove the cup S M3x6 Taptite screw, and then remove the LT relay PCB ASSY. Taptite, cup S M3x6 LT relay PCB ASSY Fig. Solenoid holder ASSY Taptite, cup S M3x6 Fig. 3210 2 Remove the Screw flanged M3X3.5, and then remove the LT solenoid ASSY and Solenoid spring MP from the LT solenoid holder. Collar 6 Collar 6 Fittings shaft Fig. 3212 Cassette Switch ASSY 1 Remove the three cup S M3x6 Taptite screws and release the Hook. Then, remove the LT tray guide left rear ASSY. Hook Cassette actuator spring LT tray guide left rear ASSY Cassette actuator Fig. 3214 3 Release the two Hooks to remove the Cassette switch ASSY. LT tray guide left rear ASSY Cassette switch ASSY Hooks Fig. LT beam F Taptite, cup S M3x6 Taptite, cup S M3x6 Taptite, cup S M3x6 LT front cover. F roller shaft LT FR bush TR Retaining ring E3 Fig. 3218 4 Remove the Lift spring from the Hook of the Lift lever A. 5 Remove the F roller shaft LT from the LT frame unit by pushing right 5a, pull left end forward 5b and remove leftwards 5c. Drive unit Hook Gear 20A Fig. 3222 8 Remove the Gear 33 from the Drive unit by releasing the Hook. Drive unit Hook Gear 33 Fig. Drive unit Gear 46 LT. Taptite, cup S M3x6 Taptite, bind B M4x10 LT frame L unit Fig. 3226 12 Turn the LT frame unit upside down. 13 Remove the two cup S M3x6 Taptite screws from the LT frame unit. LT frame unit. LT paper feed frame unit LT frame unit Fig. 3230 3148 Confidential. Extract the copied file. If the Brother Maintenance USB Printer Driver has been already installed to your PC according to this procedure, skip this section. Click Finish to return. 8 Connect the machine to your PC using the USB cable. Confidential.

Select "No, not this time." And click Next. 10 Select "Install the software automatically Recommended" and click Next. Confidential. Confidential. Click Finish to return. Confidential. If the Brother Maintenance USB Printer Driver has already been installed to your PC according to this procedure, start to rewrite the program files. Select the applicable model name. 4 Check the port USB that the machine is connected through and click "Serial No.". Press the button to choose "Auto Regist.". You can perform operational checks of sensors, perform a print test, display the log information or error codes, and modify the worker switch WSW. Entering function code 01 initializes almost all of the EEPROM areas, but entering 91 does not initialize some areas, as listed below. It is disabled if printing from a PC even once. Therefore, it is necessary to change the setting so that the function is enabled again. Then, press the OK button. 2 If the sensing status are as listed below, the LCD will show "C1P1R1C2P2R2L2T2". If the digital camera which a user uses cannot be connected in the PictBridge mode, this function may make it possible. This function makes the machine to check the surface of the belt unit by using the registrationmark sensor as well. The following terms are printed on the maintenance information only. The average of the Average Coverage total printed area against the printable are on the Lettersize paper. The following fans are checked. Parts Name Description Fuser unit fan Evacuate hot air of the fuser unit. Drum unit fan Evacuate hot air of the drum unit drive motor. This procedure allows you to reset the count when the parts are replaced or initialize the information. The representative terms and terms enable to initialize are given below. Reset Description Individually. Then, press the OK button. 2 Each time the Go button is pressed, one of the following log information terms appears on the LCD in the order. Then, press the OK button.

<http://schlammatlas.de/en/node/18412>