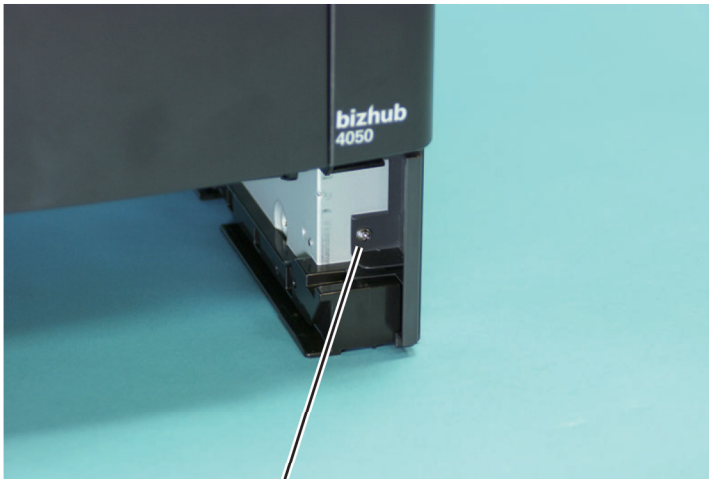


4. Right side removals

4.1 Right cover removal

1. Remove the paper tray.
2. Remove the screw (A).

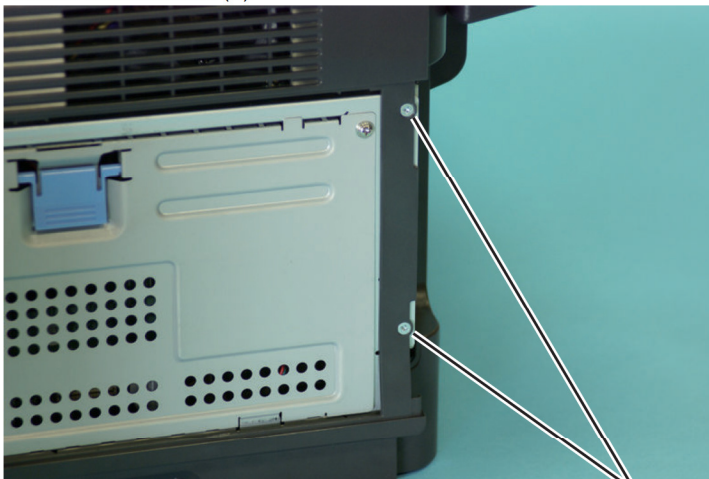


A

3. Open the memory access door.



4. Remove the two screws (B).



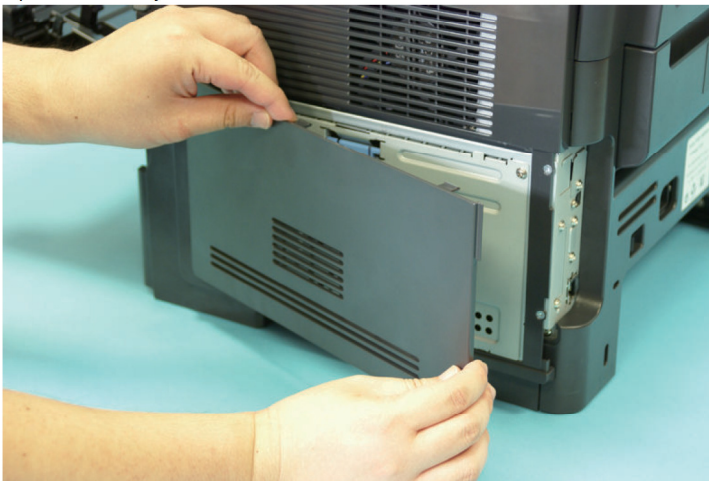
B

5. Remove the right cover.

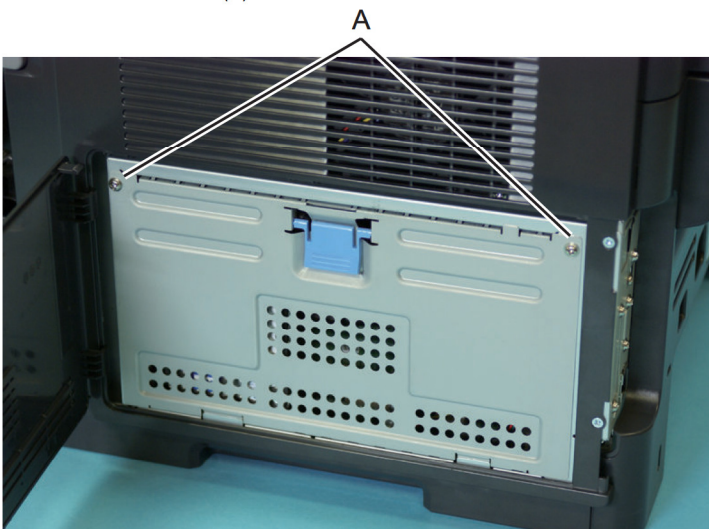


4.2 Memory access cover removal

1. Open the memory access door.



2. Remove the two screws (A).



3. Remove the memory access cover.



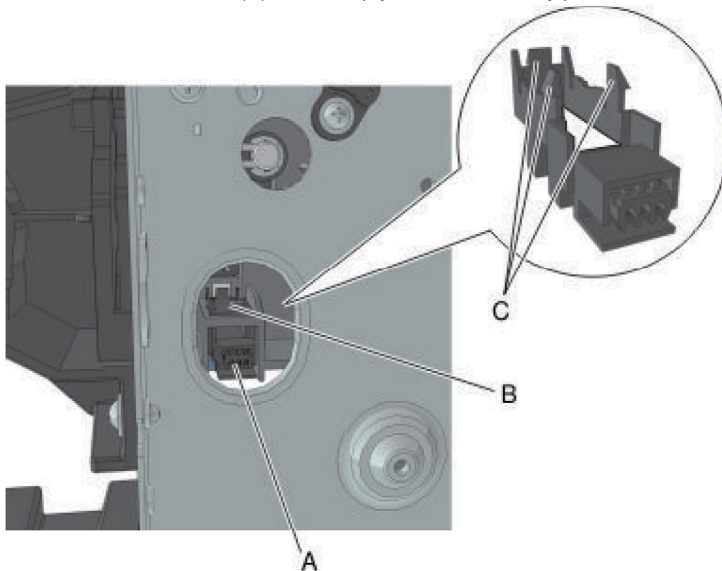
4.3 Tray present sensor removal

1. Remove the right cover. See [G.4.1 Right cover removal](#).
2. Disconnect the cable (A) from the tray present sensor.
3. Pry to remove the sensor retainer (B).

NOTE

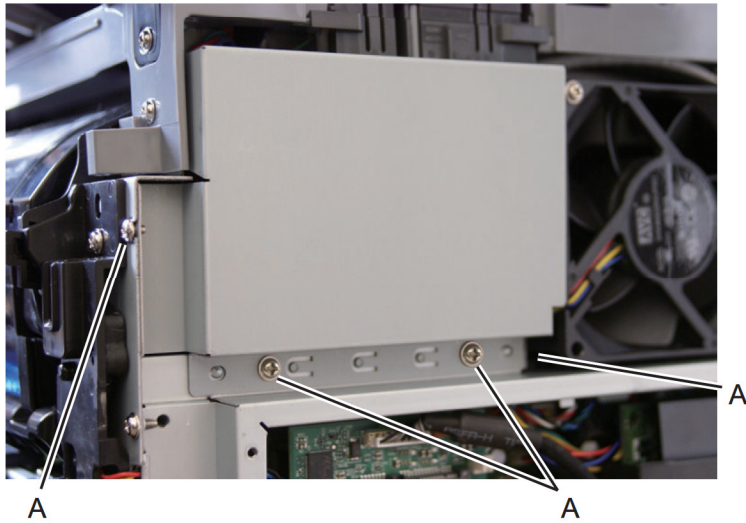
- The retainer is secured to the sensor by an adhesive.

4. Release the three latches (C), and then pry to remove the tray present sensor.

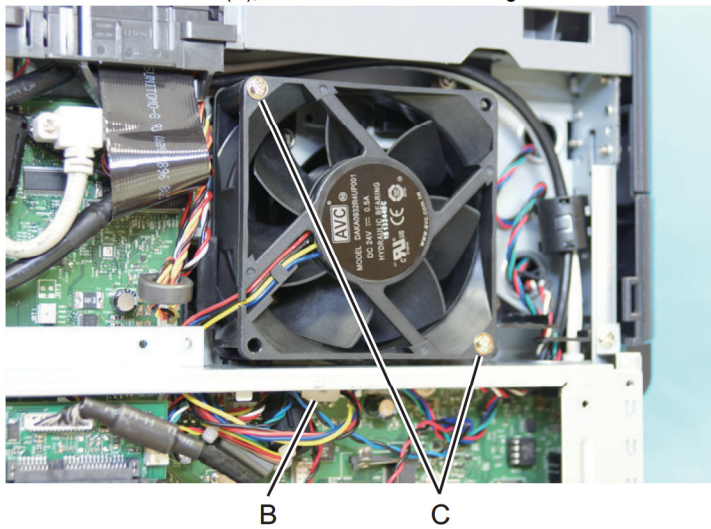


4.4 Cooling fan removal

1. Remove the right cover. See [G.4.1 Right cover removal](#)
2. Remove the memory access cover. See [G.4.2 Memory access cover removal](#)
3. Remove the four screws (A), and then remove the sheet-metal.

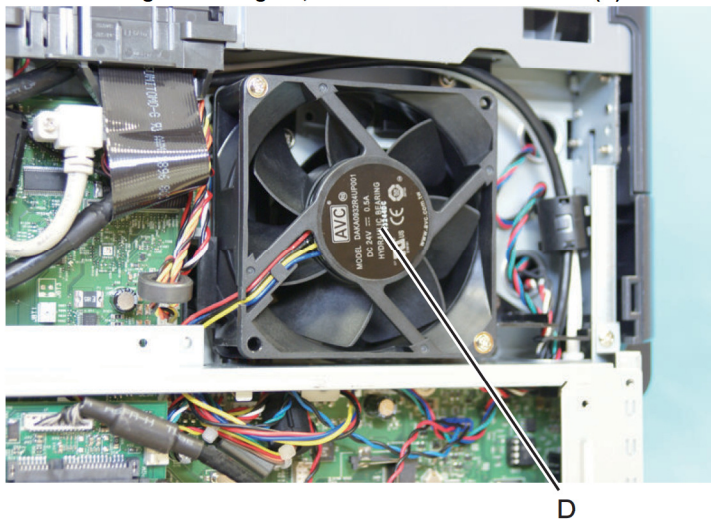


4. Disconnect the cable JFAN1 (B) from the controller board.
5. Remove the two screws (C), and then remove the cooling fan.



NOTE

- When installing the cooling fan, make sure that the label side (D) is outside.



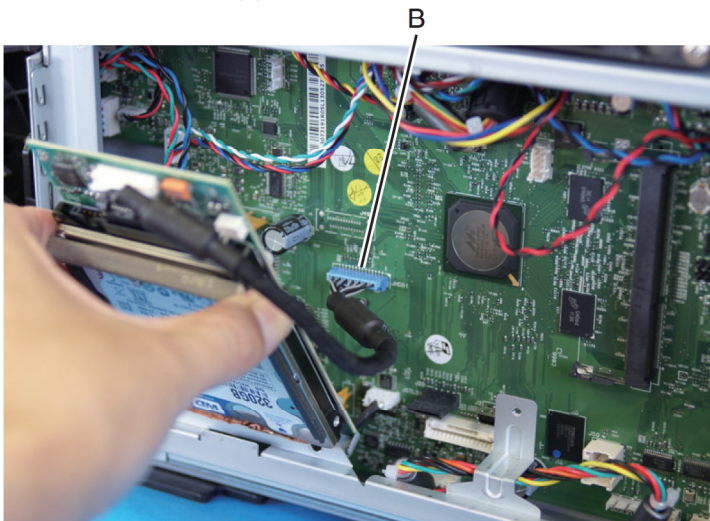
4.5 Hard disk removal

1. Remove the memory access cover. See [G.4.2 Memory access cover removal](#)
2. Loosen the two screws (A).



A

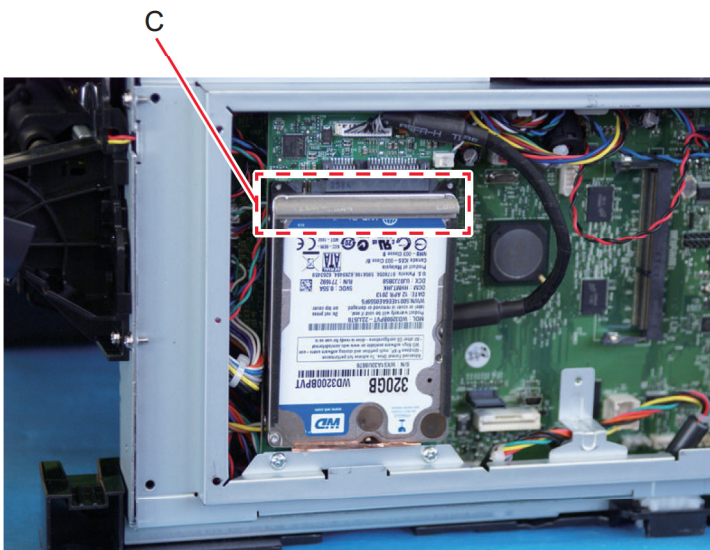
3. Disconnect the connector (B), and then remove the hard disk.



B

Installation note

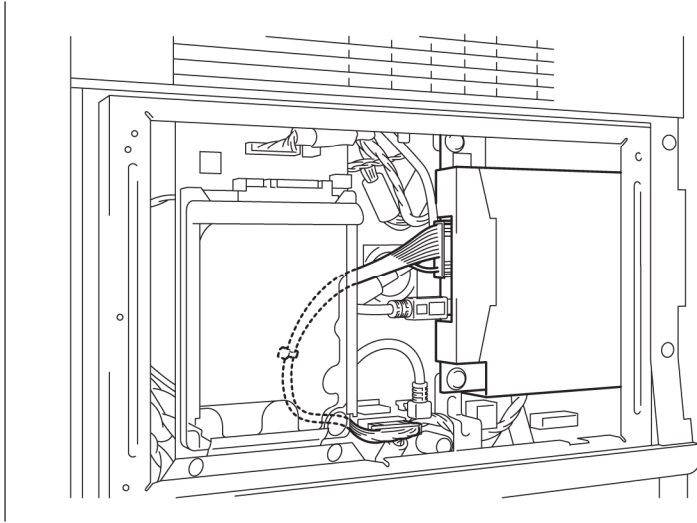
- Route the harness while paying attention not to make the HDD cord in contact with the gasket (C).



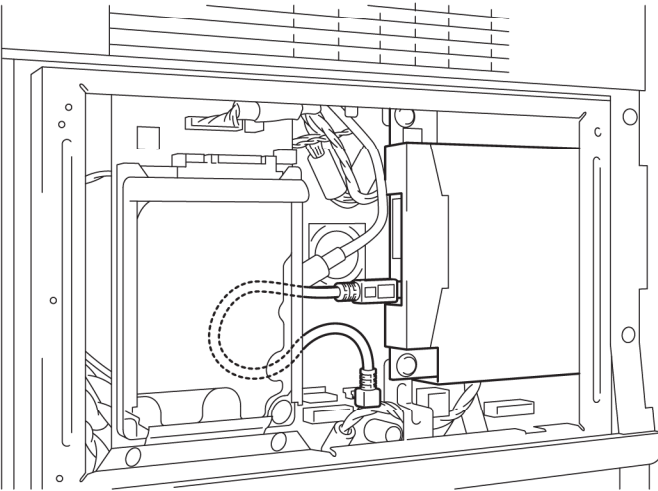
C

4.6 FAX board assy removal

1. Remove the memory access cover. See [G.4.2 Memory access cover removal](#)
2. Disconnect the harness from the main unit and the FAX board assembly.



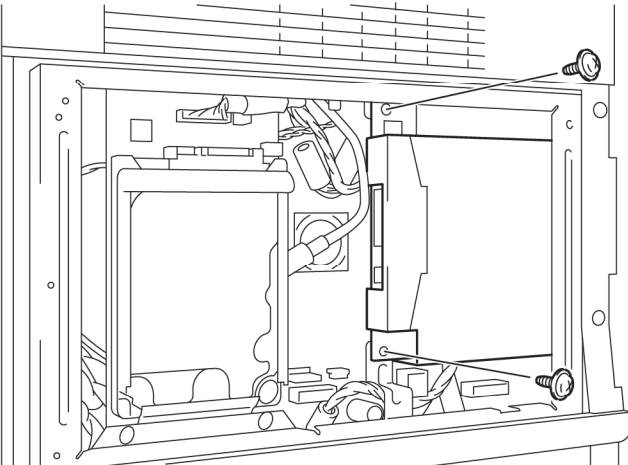
3. Disconnect the USB cable from the main unit and the FAX board assembly.



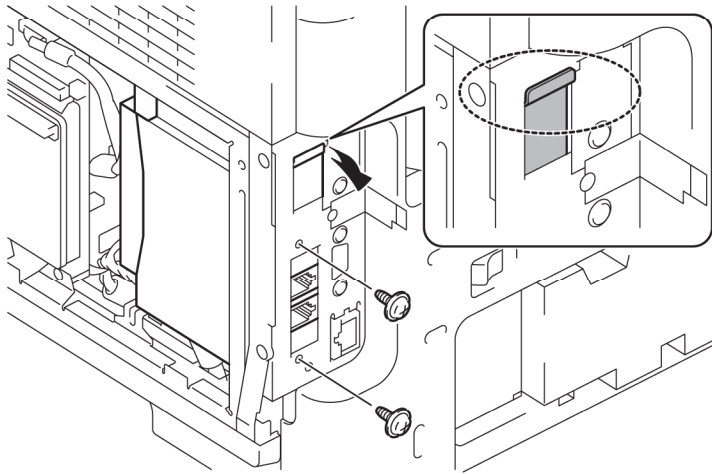
4. Remove the two screws.

Installation note

- When tightening the screws, pay attention to the harness close to the screw holes and take care not to get it caught.



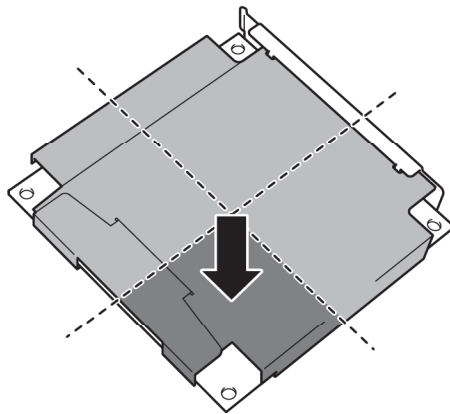
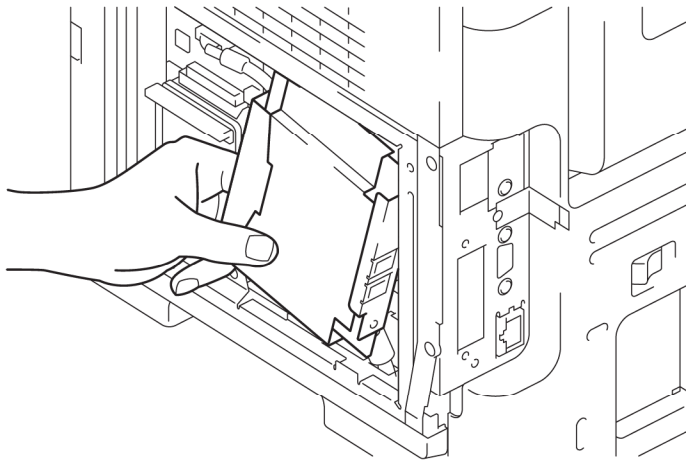
5. Remove the two screws.



6. Remove the FAX board assy.

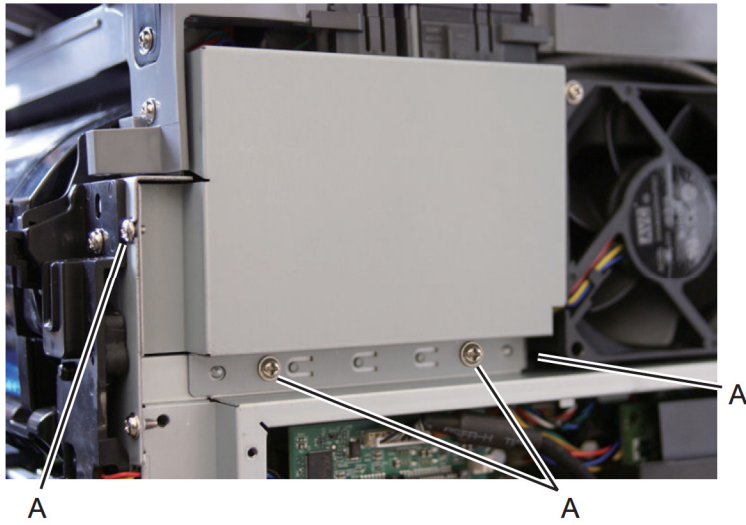
Installation note

- When installing the FAX board assembly, hold it as shown below. Otherwise, the FAX board may be damaged.

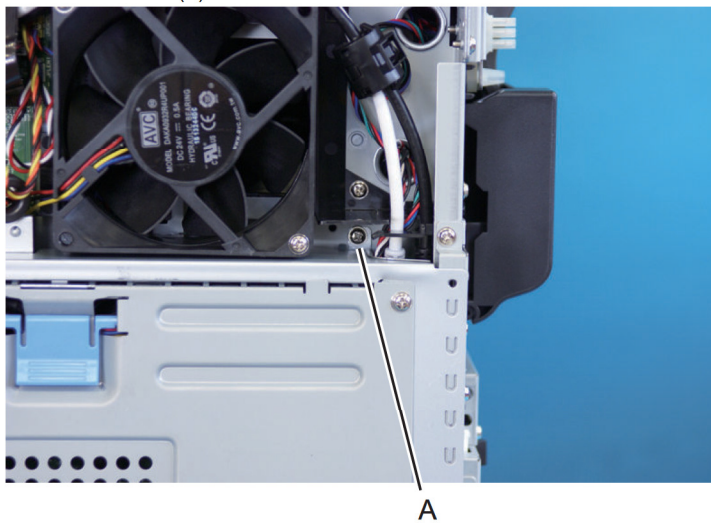


4.7 Controller board shield removal

1. Remove the right cover. See [G.4.1 Right cover removal](#)
2. Remove the two screws (A), and then remove the sheet-metal.



3. Remove the screw (A).

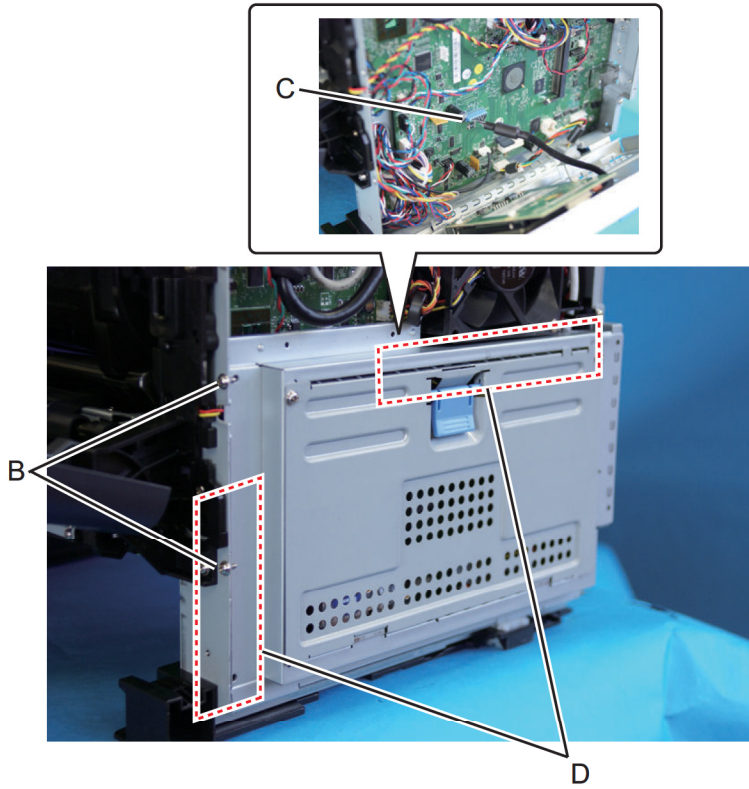


4. Remove the two screws (B).

5. Disconnect the connector (C), and then remove the controller board shield.

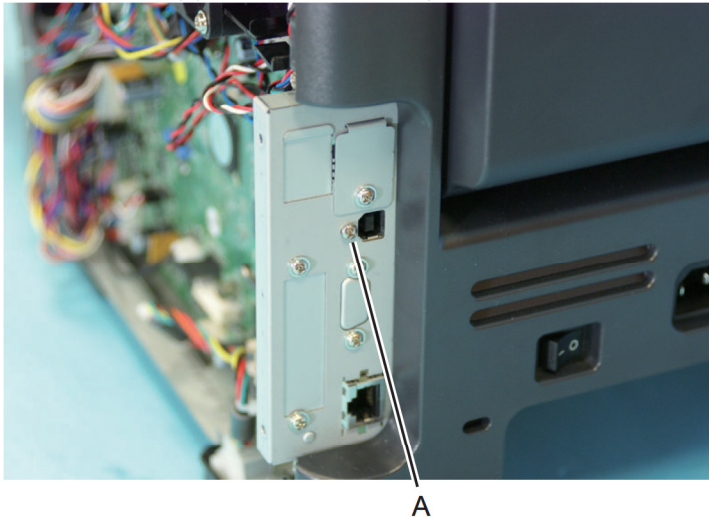
⚠ Installation warning

- When attaching the controller board shield, pay attention not to make the harness get caught at (D) areas.

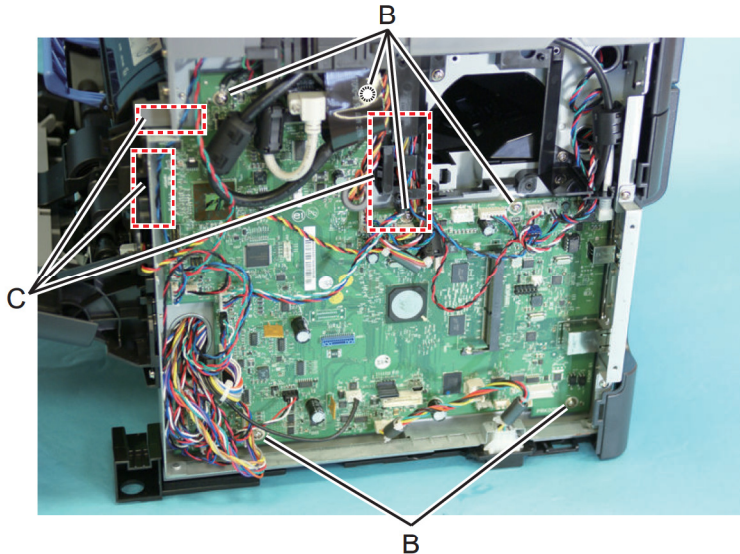


4.8 Controller board removal

1. Remove the right cover. See [G.4.1 Right cover removal](#)
2. Remove the controller board shield. See [G.4.7 Controller board shield removal](#)
3. Disconnect all cables from the controller board.
4. Remove the Hard Disk. See [G.4.5 Hard disk removal](#)
5. Remove the screw (A) from the rear side of the printer.



6. Remove the six screws (B) securing the controller board.



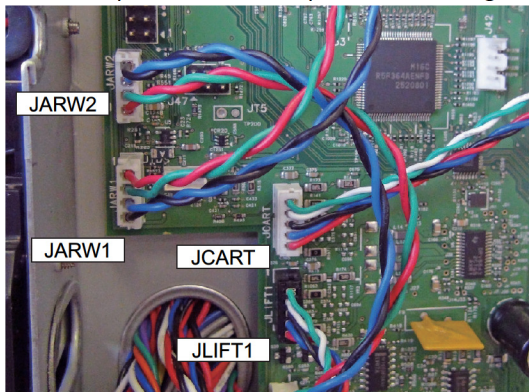
⚠ Installation warning

- When attaching the sheet-metal, make sure to fix the harness with the wire saddles (C) to prevent it from being caught by the sheet-metal.

7. Install the new controller board.
8. Connect the controller board to the disconnected connectors and flat cables.

⚠ Installation warning

- The cables (JCART and JLIFT1) are not interchangeable.
 - JCART1 connects to the cartridge motor, while JLIFT goes to the lift motor. Plugging these connectors incorrectly could lead to damage on the imaging unit.
- The cables (JARW1 and JARW2) are not interchangeable.



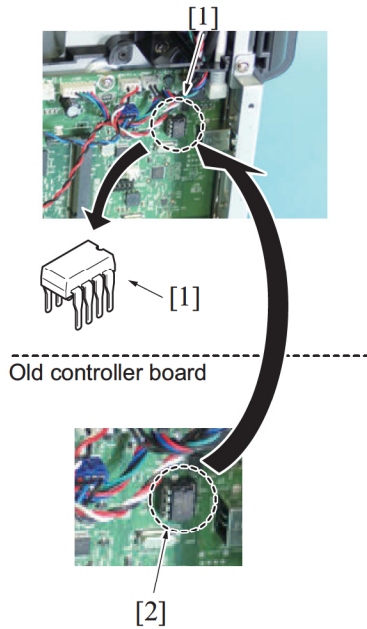
JARW2: Connect the harness routing from the lower portion.
JARW1: Connect the harness routing from the upper portion.
JCART: connects to the harness routing from the upper portion.
JLIFT1: Connect the harness routing from the lower portion.

9. Install the controller board shield and hard disk.
10. Turn ON the power switch.

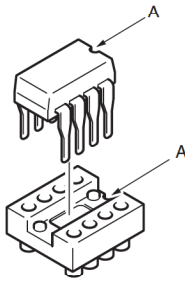
NOTE

- Do not perform any printing operation at this stage.

11. Although a service call D093 (wrong hard disk) occurs, press the [Menu] key to enter the service mode as it is.
12. [System 2] -> [Software Switch Setting] to change to the following settings then touch [Fix].
 - Switch No.: 007
 - Bit Assignment: 10011111
 - HEX Assignment: 9F
13. Turn OFF the power switch.
14. Remove the new EEPROM [1] from the controller board, and mount the old EEPROM [2] that is located on the old controller board.

**NOTE**

- When mounting EEPROM (IC15), make sure the notches ("A") are precisely lined up.

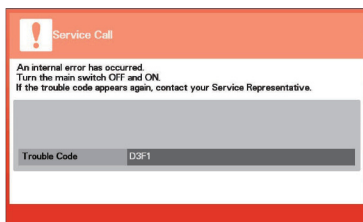


15. Turn ON the power switch.

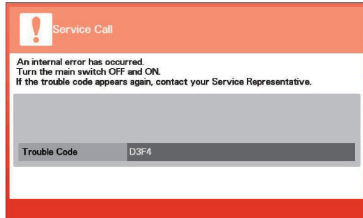
16. Counter data starts to be backed up.

NOTE

- Do not perform any printing operation at this stage.
 - Do not turn OFF the power switch during the backup process.
- <When backup is completed successfully>
- When backup is completed successfully, "Service Call: D3F1" appears on the screen.

**NOTE**

- When backup is completed successfully, the setting of software switch automatically returns to the initial value of "0."
- <When backup results in an abnormal end>
- When backup results in an abnormal end, "Service Call: D3F4" appears on the screen.

**NOTE**

- If an abnormal end recurs after turning OFF/ON the power switch of the machine again, the Controller board or the EEPROM can be damaged.

17. Turn OFF the power switch.
18. Turn ON the power switch.
19. C-4802 code will appear. (C-4802 is normal operation when replacing the controller board.)
20. Call the Service Mode to the screen.
21. Call the Security Service Mode to the screen.
22. Select [Engine Data Backup] -> [Engine Data Reflect Mode].
23. Touch [OK].
24. When [OK] is displayed, reboot the machine.
25. Turn OFF the power switch.
26. Turn ON the power switch of the machine and confirm that the machine operates properly.

CAUTION

- If the service call: D093 (wrong hard disk) occurs continuously even when the above procedures have been performed, format the hard disk in accordance with the following procedures.

1. Turn ON the power switch while pressing the power key and start up [Extra Service Mode].
2. Touch [HDD Format] to execute HDD format.
3. After completing format, turn OFF the power switch of the machine.
4. Turn ON the power switch.
5. Install the Unicode font (LK-107) and OCR font (LK-108) for i-Option to the HDD.

[J.3.2 LK-107/LK-108 font data installation procedure](#)

27. To reinstall, reverse the order of removal.
28. Upgrade the firmware to the latest version.

[J.1 Checking the current firmware version](#)

Installation note

- After the new controller board is installed, perform scanner manual registration, see [Scanner manual registration](#) and print head registration, see [Print head unit adjustments](#).

4.9 Toner cartridge smart chip contact removal

1. Remove the right cover. See [G.4.1 Right cover removal](#).
2. Remove the controller board shield. See [G.4.7 Controller board shield removal](#).
3. Remove the controller board. See [G.4.8 Controller board removal](#).
4. Remove the two screws (A).

