

SERVICE BULLETIN

CONSOLE POWER SUPPLY REPLACEMENT FOR 1500MX

POWER SUPPLY REPLACEMENT

Quantity	Description
1	24 V 2.5 A DC Power Supply (PN 53872)
6	Plastic Cable Tie, 8 in. (PN 52956)

Required Tools

- Phillips screwdriver
- Side cutters

Procedure

1. Power off the machine and the PathPilot controller.
 - a. Push in the machine's red Emergency Stop button, which removes power to motion control.
 - b. From the PathPilot interface, select **Exit**.
 - c. Turn the Main Disconnect switch to **OFF** on the side of the electrical cabinet.
2. Remove and set aside the three screws securing the operator console's front panel with a Phillips screwdriver.



Figure 1: Screws securing the operator console's front panel.

POWER SUPPLY REPLACEMENT

3. Open the operator console's front panel, and identify the console connections on the rear side of the display.

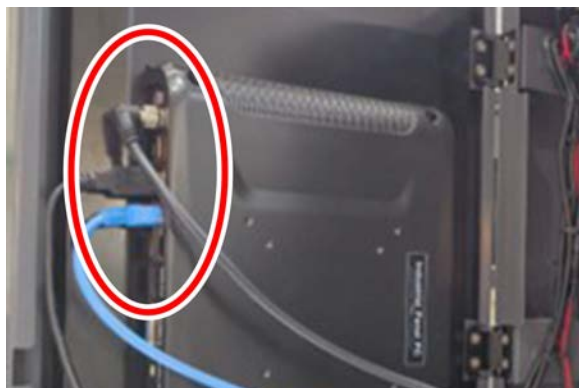


Figure 2: Console connections on the rear side of the display.

4. Identify the DC port, which is the connection for the console's existing power supply.

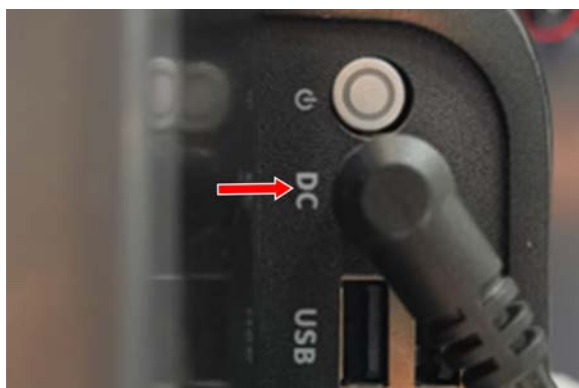


Figure 3: DC port on the console.

5. Turn the securing nut counterclockwise by hand to unplug the cable from the DC port.



Figure 4: Removing the existing power supply cable from the console.

POWER SUPPLY REPLACEMENT

6. From the rear access panel of the console, pull out the power supply cable that you unplugged in the previous step. Identify the power supply connected to the cable and disconnect it.



Figure 5: Removing the existing power supply from the rear access panel.

7. Identify the cable ties securing the console's cables to the enclosure. Snip the cable ties with side cutters, and remove the power supply cable. Set the power supply aside for later use or disposal.
8. Place the replacement power supply in the same location as the previous power supply.
9. Route the replacement power supply cable through the rear access panel of the console to the DC port of the console. Plug in the cable and turn the securing nut clockwise by hand.
10. Secure the replacement power supply cable to the remaining cables with the cable ties provided in this kit.



Figure 6: Example of the final cable routing.

11. Close the operator console's front panel, and secure it with the three screws that you previously set aside.

12. Power on the machine and the PathPilot controller.
 - a. Turn the Main Disconnect switch to **ON** on the side of the electrical cabinet.
 - b. Twist out the machine's red Emergency Stop button, which enables movement to the machine axes and the spindle.
 - c. Press the Reset button.