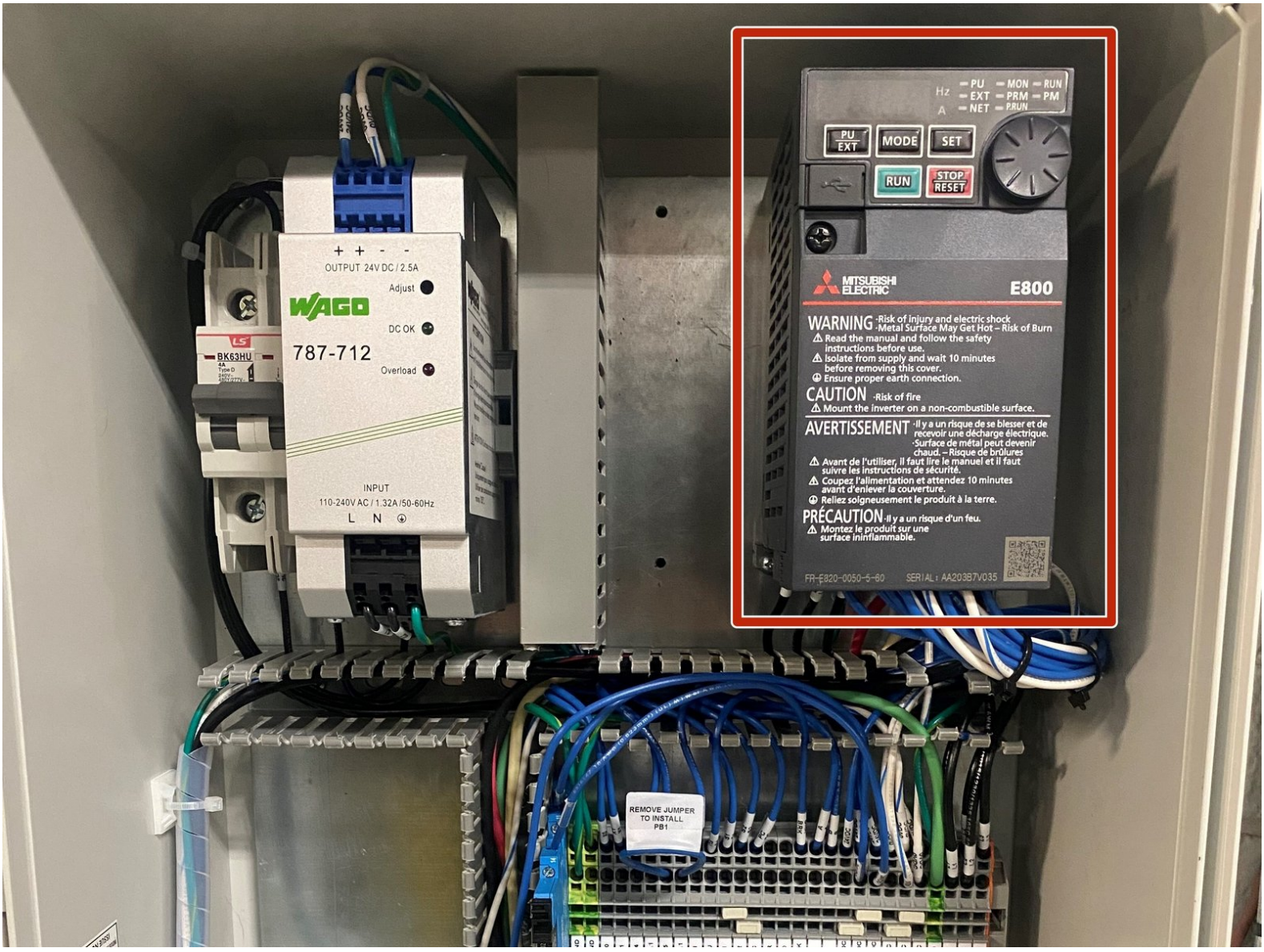
VFD Drive Field Replacement

Written By: Trent Borgardt



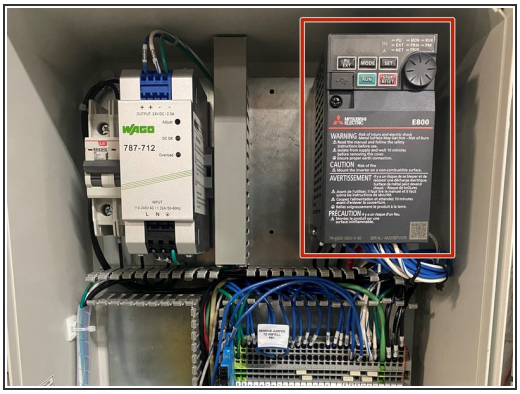
TOOLS:

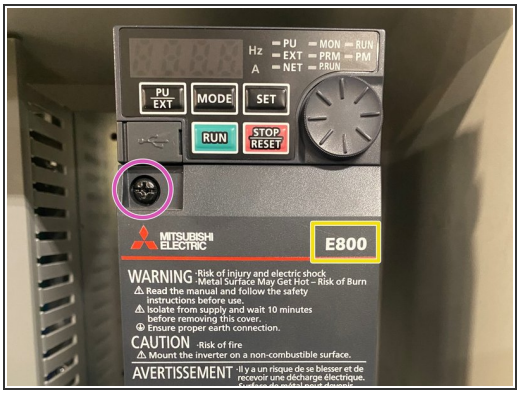
- 1/8in Flat-Header Screw Driver (1)
- Wire Stripper/Cutter (1)

PARTS:

- Mitsubishi E800 VFD (1)

Step 1 — Control Panel + VFD

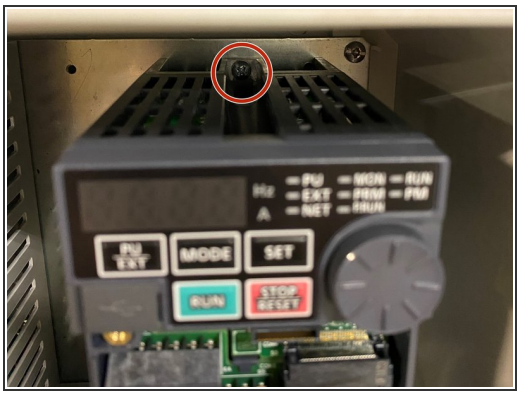


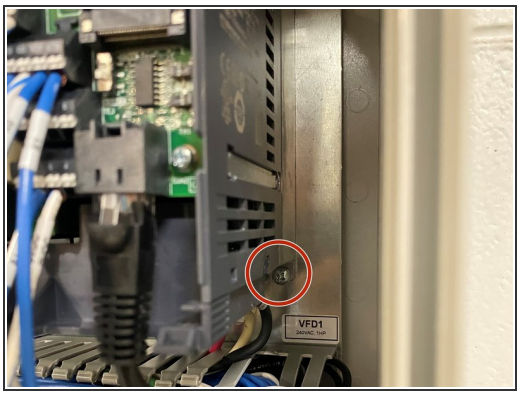


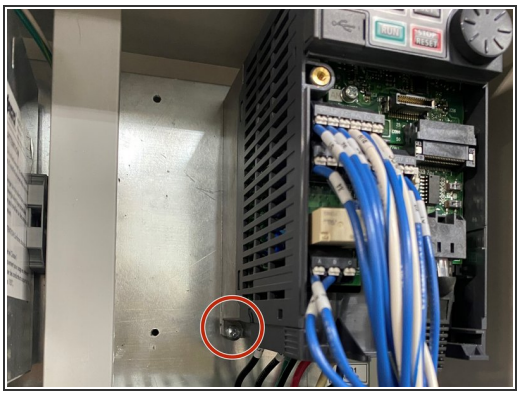


- Inside the Control, Locate the VFD in the Upper-Right Corner.
- Confirm your VFD is an E800 Model.
- Then Remove the Cover Plate by Loosening the Phillips Screw Shown.
- Underneath this Cover Plate is where all of the Re-Wiring will Take Place.

Step 2 — Removing the Old VFD

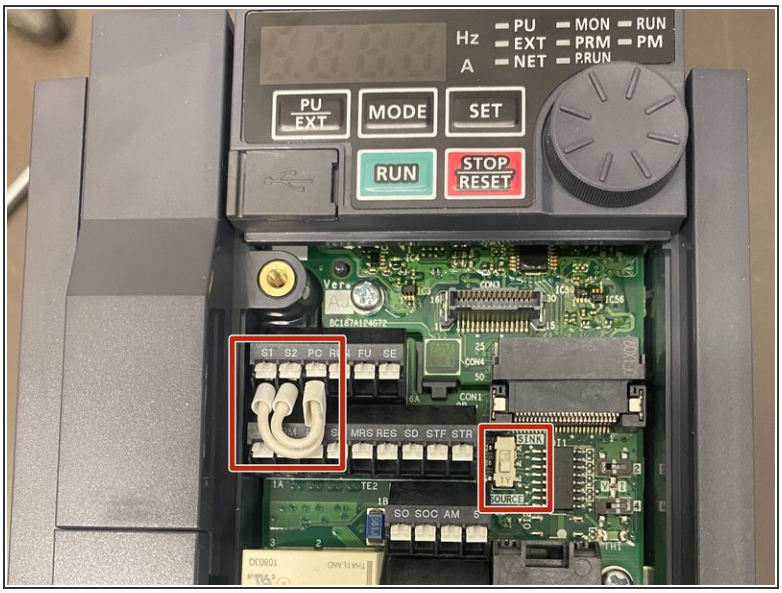


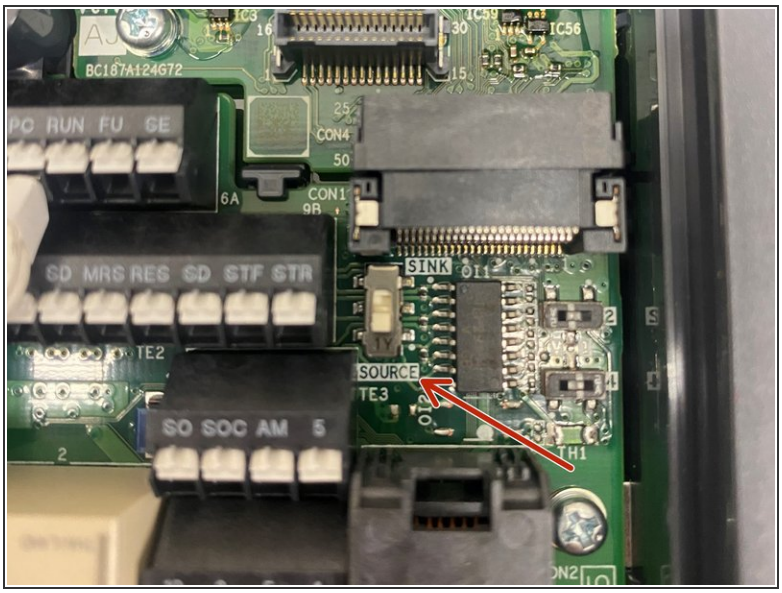




- Begin by Removing all of the Wires from the VFD.
- ⓘ There are 3 Fasteners Holding the VFD in Place.
  - 1 on the Top
  - 1 in Each of the Bottom Corners.
- Remove These Fasteners Using a #2 Phillips Screwdriver.

Step 3 — VFD Field Replacement



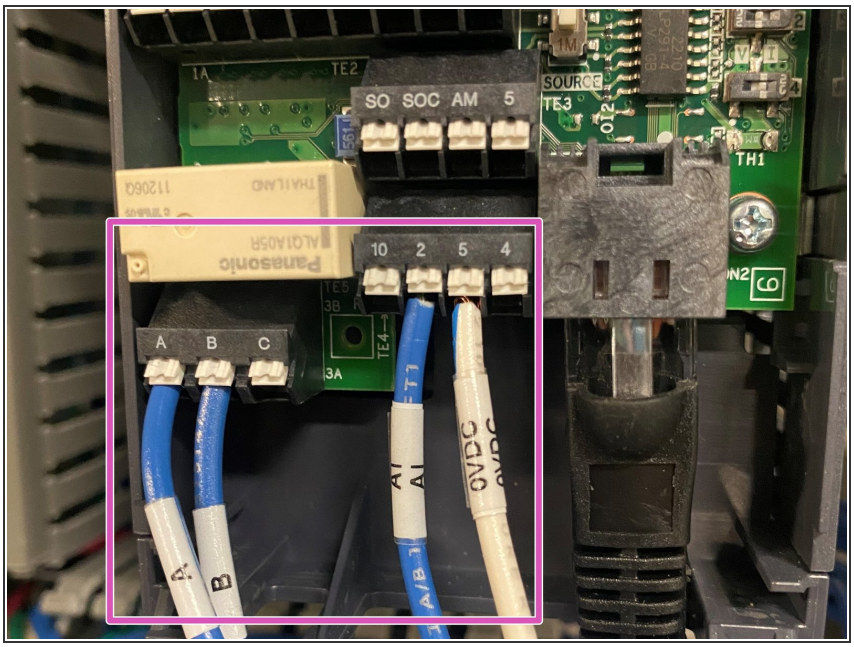


- Install the New Drive, Using the Fasteners Removed in the Previous Step.
  - ⓘ See Previous Step for Fastener Locations.

⚠ Remove the Factory Jumper Wires Between S1, S2 and PC.

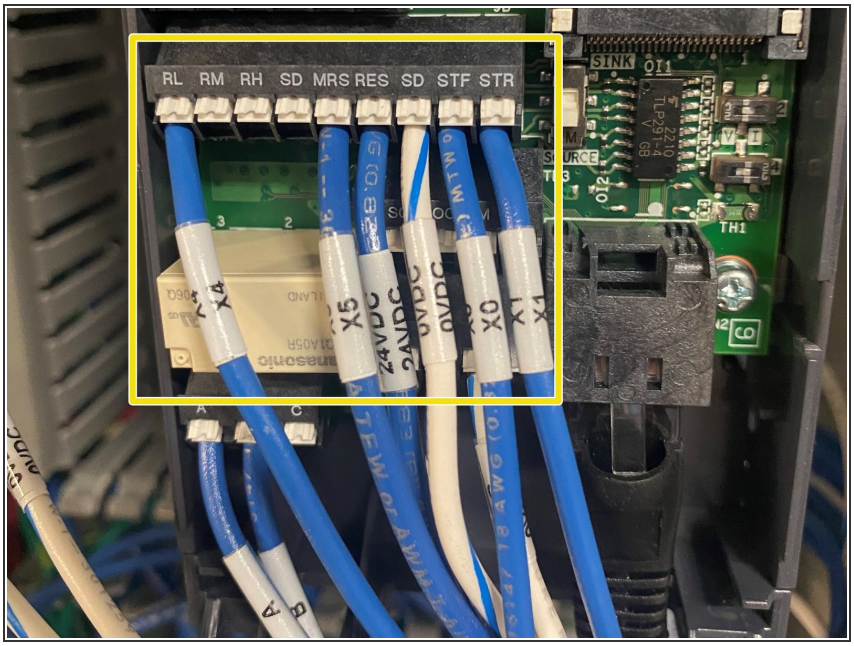
⚠ Be Sure the DIP Switch is in the SOURCE (Down) Position.

Step 4 — VFD Replacement Wiring Part 1



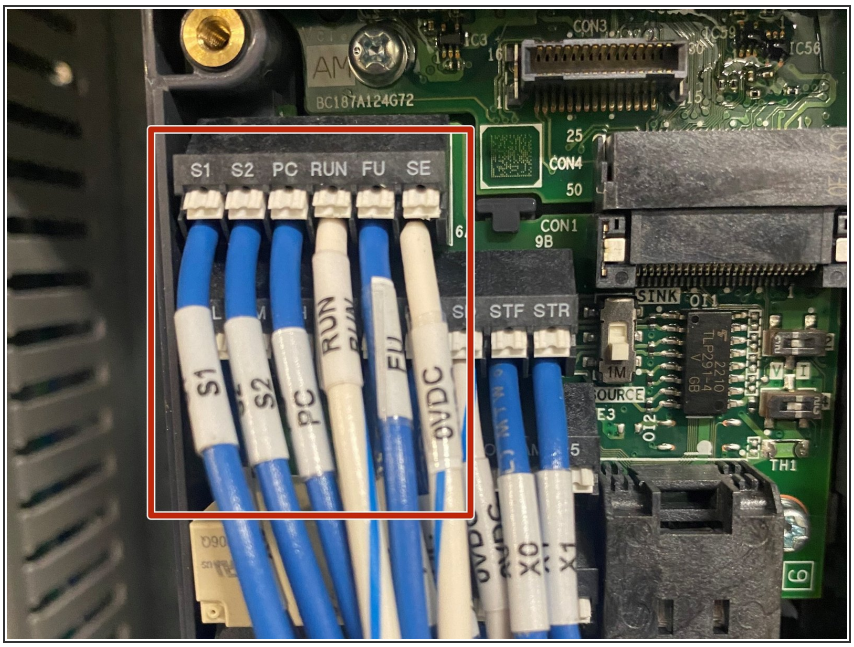
- Begin with the Bottom Row:
  - Wire A to Terminal A
  - Wire B to Terminal B
  - Wire AI to Terminal 2
  - Wire 0VDC to Terminal 5

Step 5 — VFD Replacement Wiring Part 2



- Next, Wire the Middle Row:
  - Wire X4 to Terminal RL
  - Wire X5 to Terminal MRS
  - Wire 24VDC to Terminal RES
  - Wire 0VDC to Terminal SD
  - Wire X0 to Terminal STF
  - Wire X1 to Terminal STR

Step 6 — VFD Replacement Wiring Part 3



- Lastly, Wire the Top Row:
  - Wire S1 to Terminal S1
  - Wire S2 to Terminal S2
  - Wire PC to Terminal PC
  - Wire RUN to Terminal RUN
  - Wire FU to Terminal FU
  - Wire 0VDC to Terminal SE