How to Replace a Yaskawa AC Drive

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INTRODUCTION

TOOLS:

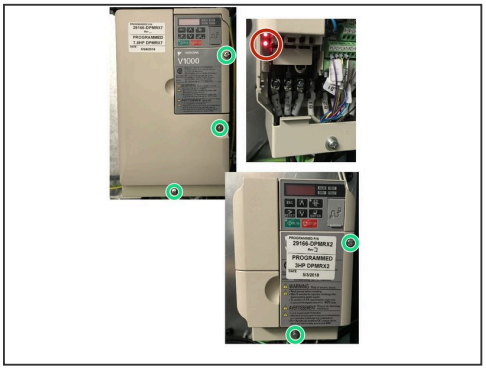
- Phillips screwdriver #2 (1)
- Small flat screwdriver (1)

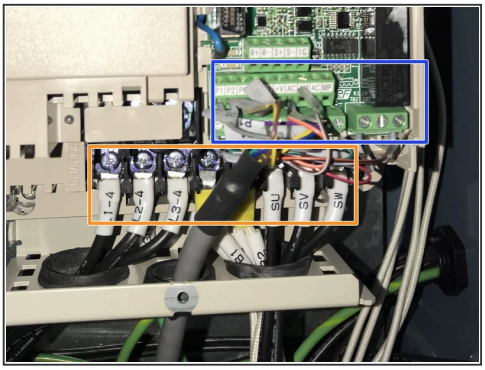
PARTS:

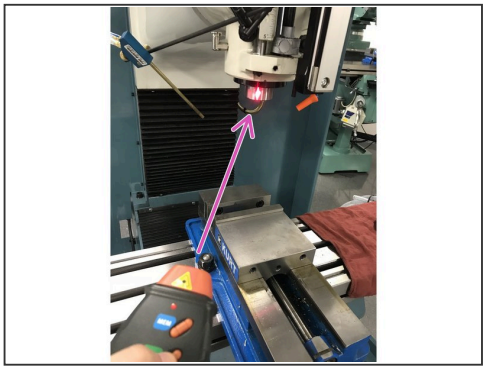
- 29166-1630 (1)
- 29166-1630HS (1)
- 29166-1845 (1)
- 29166-2470 (1)
- 29166-30120 (1)
- 29166-DPMRX2 (1)
- 29166-DPMRX3&5 (1)
- 29166-DPMRX7 (1)

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Step 1 — Removal/Installation of AC Drive







⚠ **Shut power off to machine. The servos are run by 200 to 240 VAC. There is possibility of death by electrocution!**

- Remove covers on front of AC Drive. Number of screws will vary depending on size of drive.

⚠ **Wait for red LED to turn off before attempting to disconnect power from AC Drive, lethal voltage is still present while LED is illuminated.**

- Remove Spindle Control cable from AC Drive.
- Remove AC power input wires (L1-4, L2-4 & L3-4), braking resistor wires (B1 & B2), AC output power wires (SU, SV & SW) and lastly remove ground wires.
- Remove the (4) SHCS attaching the AC Drive to the panel.
- Reverse previous steps for re-installation.
- Run machine throughout RPM range and confirm correct speed with a tachometer.

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