

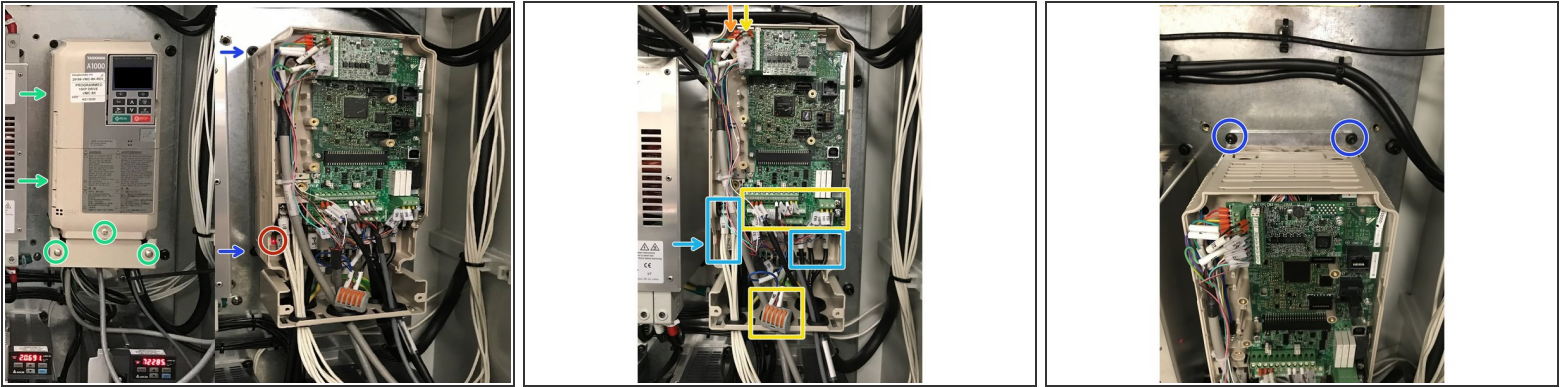


# TMC - How to Replace a Yaskawa AC Drive

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## Step 1 — Replacing a 29166-TMC-8K Yaskawa AC Drive



**⚠ Power off the machine. Do not remove any cables and/ or unmount any parts while machine is ON. Power must be OFF!**

- In the Electrical cabinet, locate the AC DRIVE. Remove front covers on AC DRIVE.

**⚠ WAIT FOR THE RED LED TO TURN OFF! THE RED LED ON INDICATES THERE IS STILL HIGH VOLTAGE PRESENT!**

- Remove the Spindle Control cable from the Computer module and also from the AC Drive.
- Remove the Spindle Encoder cable, Spindle Load Meter cable, Spindle Disable cable (H1, HC & H2), Spindle Temperature cable (SPD-SN) and Drive Logic Cable.
- Remove AC power input wires (L1-4, L2-4, L3-4), Motor power wires (SU, SV, SW), Braking resistor wires (B1, B2), Spindle Load Meter cable and last ground wires.
- Unbolt the top two screws and loosen the bottom two. Remove the AC Drive and install the replacement part. Perform steps in reverse order.
- Double check cables and wires are in correct locations before powering machine on. Run RPM on machine and ensure the speed is at correct values with a TACHOMETER.