

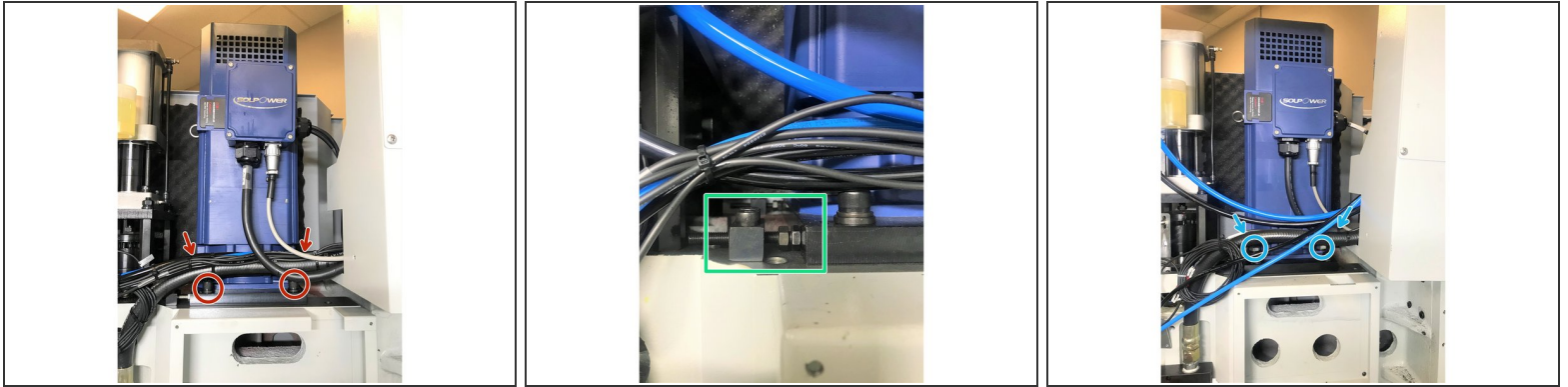


TMC - How to Replace a Spindle Motor

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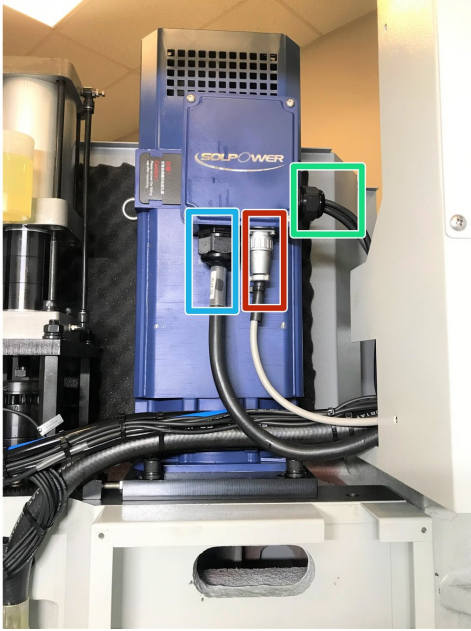
Step 1 — How to Replace a Spindle Motor



⚠ The following service code 510 must be performed when a Spindle Motor is replaced for any reason. Failure to do so will cause the Tool changer to orient incorrectly and crash.

- Lower the head down to the maximum travel.
- Press the E-STOP!
- Remove the front sheet metal covers.
- Remove the spindle drive belt by loosening the 4 bolts that hold the motor adjusting plate to the spindle head.
- Release the jam nut from the two belt tensioning screws. Loosen the belt tensioning screws completely and pull the motor toward the front of the TMC.
- Remove the belt from the spindle motor. Remove the 4 bolts that secure the motor down into place.

Step 2 — continued



⚠ DO NOT AT ANY TIME ATTEMPT TO LIFT MOTOR BY HAND AS IT WEIGHS APPROXIMATELY 200lbs.

- Remove the spindle encoder cable. Take note of the wiring then unwire the encoder cable.
- Remove the spindle motor power cable.
- Remove the spindle temperature cable.
- Use the proper lifting equipment, lift motor up and remove from the machine.
- Place the replacement motor in place and perform these steps in reverse order.
- Tension the belt until you have approximately 1/4" of deflection at the midpoint of the belt.
- ① Make sure to reset the orientation angle for the spindle using service code 510. Refer to, "TMC-Inspection" for detailed guides on service code 510.