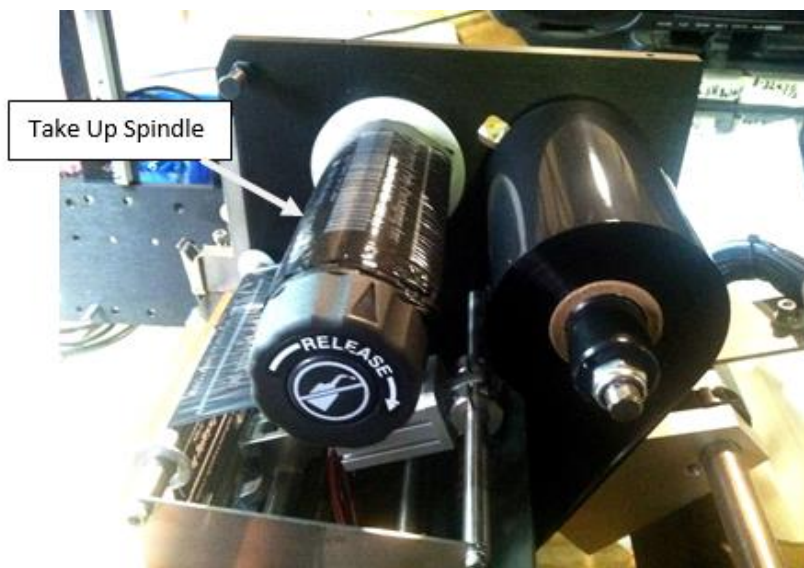**Document: #HT000008**

Document Title: Adjust Zebra Take-Up Spindle

Product(s): Ti-1000Z

Procedure:

Check to see if you have some resistance on Spindle when you try to turn it.

If it feels light, push the 2 black buttons on the spindle and slide the end cap out.

You should see about 2-1/2 threads on the shaft.

If not, hold the drive pulley and turn the Lock Nut slightly to adjust.

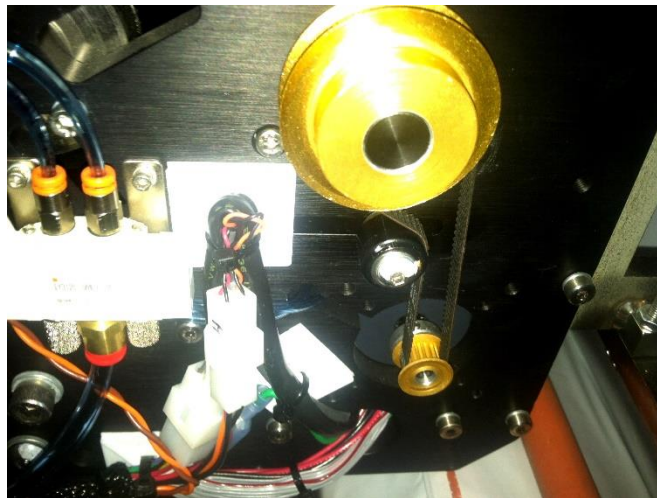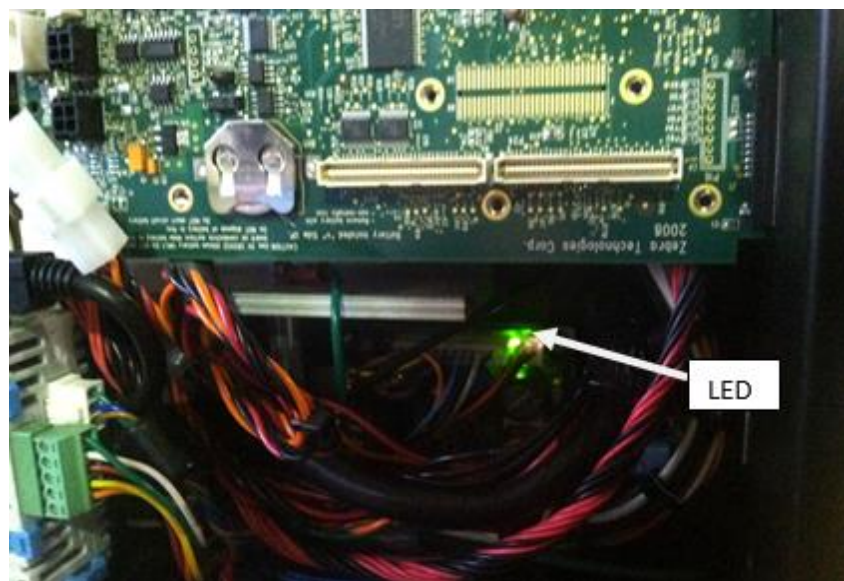Make sure Set Screws on Drive Pulley are tight.

Check Belt Tension; it should not be loose or overly tight.
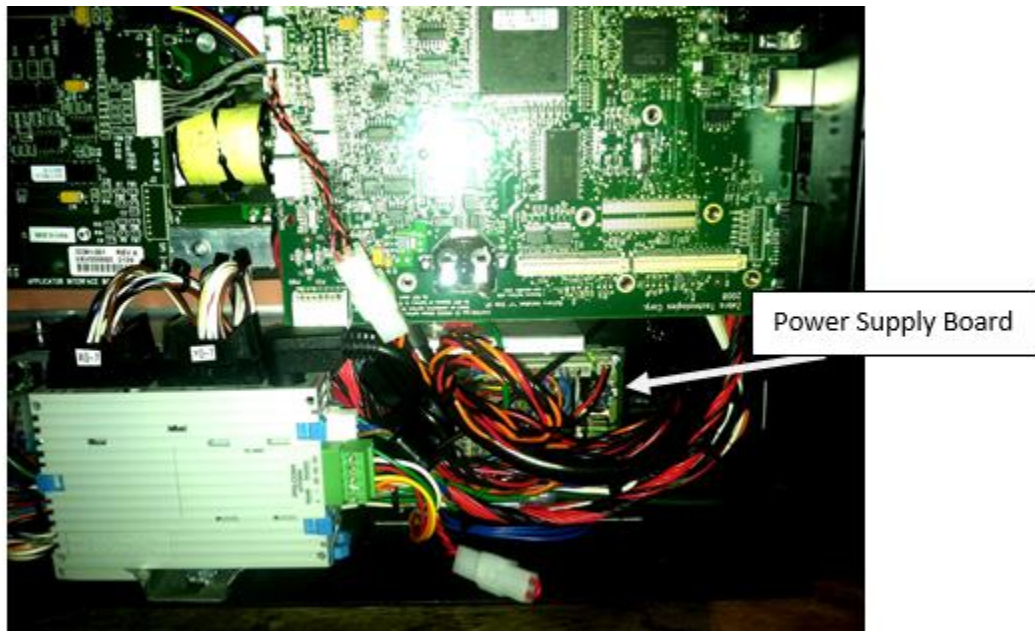
With Power **ON**, see if the Power Supply Board LED is **ON**.

The Power Supply LED should be **ON** all the time. If not, refer to next page.

Protection Functions:

Overload protection function (two flashes of LED)

When a load in excess of the rated torque is applied to the motor for about 5 seconds or more, or when the motor running/instantaneous stop and drive direction switching is repeated in a short time.

Open-Phase protection function (three flashes of LED)

Prevents motor malfunction when the sensor cable within the motor cable is disconnected during motor operation. (An alarm signal will not be output while the motor is at a standstill.)

Overvoltage Protection function (four flashes of LED)

When the motor is used in an elevating/lowering application or with a load in excess of the permissible load inertia, or when voltage applied to the driver has exceeded the voltage setting (24 VDC) by 15% or greater.

Insufficient voltage protection function (five flashes of LED)

When voltage applied to the driver is less than the voltage setting (24 VDC) by 25% or greater.

Overspeed protection function (six flashes of LED)

When motor speed has reached an excess of 3500 r/min.

If the ALARM output is connected as specified by the manufacturer, the level will be low when the driver is normal (ON), and will be high during ALARM output (OFF).

When the ALARM output is off (H level), remove the cause for activation of the protection function (refer to the number of times of LED flashing) after motor running has stopped. After removing the cause for activation of the protection function, reset the ALARM.

Note: The START/STOP input and RUN/BRAKE input are not accepted when the ALARM if off (H level).