

Drive Shaft Assembly Replacement

Electro-static discharge preventative measures must be adhered to during all assembly replacement procedures.

1. Shut off the signcutter and remove the power and communication cables.
2. See *Removing the End Covers* above (remove Dust Cover on phase I units only).
3. Remove the Y-Axis belt before removing the drive shaft. Perform the procedures in *Y-Axis Belt Replacement* and *Removing the Bottom Cover for Internal Access* above.
4. Discharge any static electricity that has accumulated and remove all of the plugs and connections on the logic board and power supply. Use the *Interconnect Diagram* in the *Appendix* section as a location guide.
5. Remove the logic board (four screws).
6. Loosen the allen screws securing the drive shaft.
NOTE: DO NOT REMOVE or LOOSEN allen screw located next to endplate on right side.
7. Stand the Signcutter upright so that it is in normal operating position.
8. Loosen the small allen set screw on the far right side next to the bearing of the drive shaft, just to the left of the of the right end plate.
9. Now turn the Signcutter on its back with the bottom facing out.
10. Slide the old drive shaft out to the left. Keep bearing driveshaft spacers in correct order.
11. Gently slide in new drive shaft. Using a torque driver with a 5/32" hex bit tighten the screws securing the drive shaft to 32 in oz. Tighten the small allen set screw on the right side of the drive shaft, ensuring the set screw is located over the flat side of the pin. Be sure bearings are seated in the spacers properly.
12. Replace the logic board using the chassis assembly diagrams in the *Appendix* as a guide. Connect all of the plugs. Use the *Interconnect Diagram* in the *Appendix* section to properly make all of the connections.
13. Plug the power cord into the Signcutter and into a wall outlet. Move the drive shaft back and forth with the keypad keys while watching the X Axis belt. If there is excessive noise or if the belt is loose the phillips head screws that retain the motor can be loosened and the motor can be adjusted slightly to achieve proper belt tension.
14. Cable tie the wire bundles together to ensure that they do not interfere with moving parts and end cover replacement.
15. Reconnect the communication cable and perform test cuts. Reassemble the Signcutter in the reverse order that it was disassembled. See *General Disassembly Procedures* above. Perform the calibration procedure as described in Chapter 3.

16. If problems arise contact Ioline customer service.

Media Cutter Strip Replacement

This is the blade saver strip. It is fastened down with adhesive.

1. Turn off the signcutter and disconnect the power cord.
2. Use a small flat head screwdriver to pull up one corner of the old media strip.
3. Firmly grip the pulled up corner and remove the old media strip by pulling it out of the molded groove on the front of the platen (on Phase I units remove 2 sided sticky tape remnants).
4. First install new sticky tape, then install media strip.
5. Carefully press the flexible PVC strip back into the molded groove in the platen.
6. Reconnect the power cord and interface cable to the signcutter.