

Cam Shaft and Pinchwheel Assembly Replacement

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).

NOTE: For Phase I units: Remove the pinch wheel lever, loosen and remove the allen screw with a 5/32" hex wrench, the nylock nuts with a 3/8" nut driver, and the set screw in the lever body with a 5/64" hex wrench. Then remove the spring. Pull the lever off the end plate and set it aside. Make sure that the metal spacer under pinch wheel lever is retained for re-assembly. Loosen and remove the allen screw on the left end plate with a 5/32" hex wrench. Loosen the set screws in the cam shaft support bushings with a 1/16" hex wrench.

3. Loosen the Y-drive belt and remove from carriage.
4. Remove the Y-transmission by removing the four nuts that secure it to the endplate.
5. Remove the camshaft by removing the spring clips at the ends on either side. Slide out shaft. Some machines have cotter pins in the shaft; these pins are destroyed in removal process so replacement pins are needed for reinstallation of shaft.
6. Slightly loosen the four screws that secure left endplate to the platen.
DON'T REMOVE SCREWS.
7. Remove carriage from traverse.
8. Feed the white flex cable through slot and remove from foam tape on endplate. Be careful not to damage or bend cable.
9. Remove five (5) screws from the left and right end of the traverse that secure it in place.

NOTE: There should be a distance = 1.591" from top of platen to bottom of lower carriage rail.

10. After all screws are removed carefully lift the traverse up and away from unit.
11. Replace pinch wheels if necessary. Be sure to keep the pinch wheels in the same position as they were before removal. Marking with a tag as being left, right or center, will aid in this step.
12. Install in reverse order.



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