

RECOMMENDED ACTION:

Use of this tool is recommended if a broken Thread Feeder Gear requires replacement. Refer to the following instructions for use of this tool to replace a broken gear:

1. Color change to needle #1 and turn the machine OFF.
2. Remove the Right Color Change Cover, P/N 33093.
3. Position the socket of the tool so that it engages the end of the Feeder Drive Gear Shaft. See **Figure 1**.

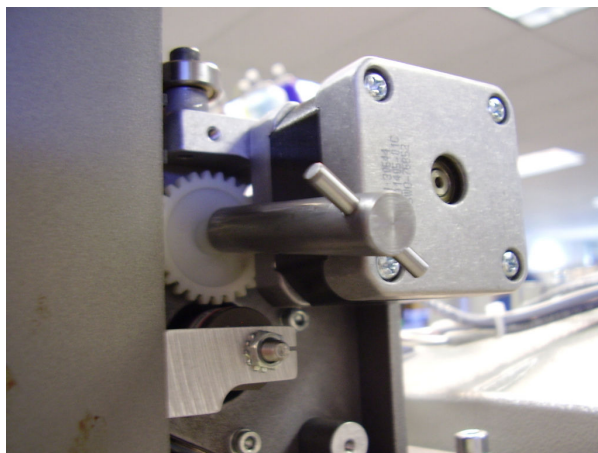


Figure 1

4. Unscrew the Feeder Drive Gear Shaft and gear assembly and carefully remove it from the machine. See **Figure 2**.

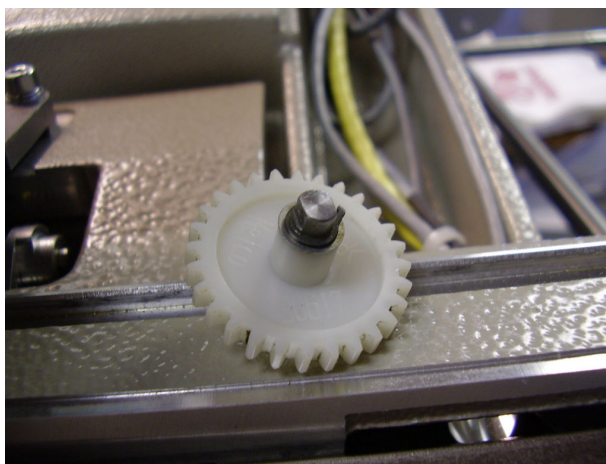


Figure 2

5. Remove the retaining ring, washer and broken gear from shaft.
6. Assemble the new gear and re-install the washer and retaining ring.
7. Apply #222 Loctite to the threads of the Feeder Drive Gear Shaft.

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8. Using the tool, carefully thread the shaft back into the drive base making sure the gear teeth are aligned with the gear on the Thread Feeder Assembly.
9. Using the T-handle on the tool, **finger tighten (using tips of thumb and forefinger only)** the shaft only. See **Figure 3**.

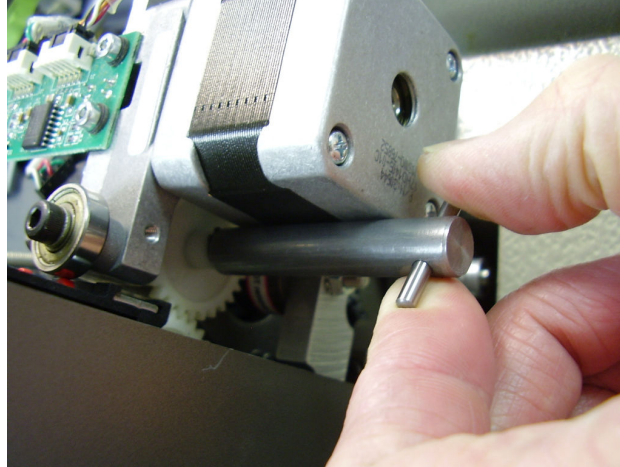


Figure 3

10. Replace the Color Change Cover to complete the instructions.