

TB076 (Rev1) - Motor and Pulley Installation

Overview

This document describes the proper installation of pulleys onto motor shafts.

WARNING: Do not pound pulley onto shaft or use excessive force during installation.

Installation Procedure:

- 1. Polish the motor shaft with a fine abrasive (Scotch Bright Pad) to remove all burs.
- 2. Remove any dirt from the motor keyway.
- 3. Remove any burs from the keyways using a flat file (see Fig. 1a, 1b).

Note: One or two passes with the file should work.

- 4. Remove any burs on the key with a flat file as well (see Fig. 2).
- 5. Test fit the key in the motor keyway.

Note: Key should fit snugly into keyway (no play).

- 6. Ream pulley collar to remove burs.
- 7. Clean motor shaft, pulley, and key with a solvent (carburetor cleaner).
- 8. Without the key in the keyway, slide the pulley onto the shaft.

Note 1: Pulley should slide on easily by applying only hand pressure.

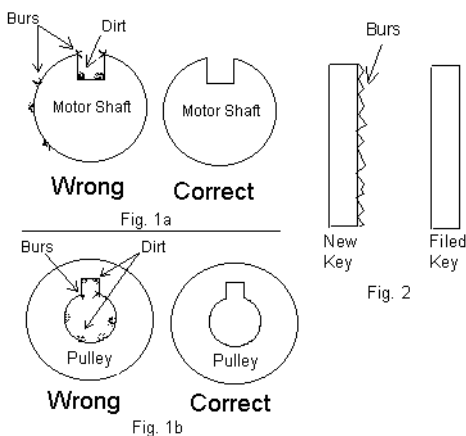
Note 2: Do not use any lubricant on shaft.

- 9. Repeat steps 1-8 if pulley does not fit.
- 10. Remove the pulley from the shaft and insert the key into the keyway.
- 11. Gently slide the pulley onto the motor shaft.

Note: The pulley should fit snugly on the shaft without any play.

- 12. Align the pulley to the proper position and tighten the pulley set screws.

Note: Pulley set screw should tighten down on top of the key to prevent the key from working its way out.



Document History

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