

Technical Bulletin 517

LCA Installation/Removal Instructions

INSTRUCTIONS

Parts Required

- One LCA01 (1/4" bore) to be installed on an BEPC Standard Cube with a 1/4" shaft. -OR- One LCA02 (3/8" bore) to be installed on an BEPC Industrial Cube with a 3/8" shaft.
- One LCA cover.
- Four LCA cover screws.
- Three set screws.

Tools Required

- #1 Phillips head screwdriver.
- 1/16" hex wrench.

NOTE: It is important that a #1 Phillips screwdriver is used for proper installation.

Installation

STEP 1: Determine the desired orientation of the LCA relative to the encoder and slide the LCA onto the encoder shaft.

STEP 2: Alternately tighten the three Phillips head mounting screws.
NOTE: It is important to alternately tighten the mounting screws in several steps to ensure proper alignment of the LCA's housing relative to the encoder shaft.

STEP 3: Apply pressure to the center of the LCA's drum as shown to ensure that the LCA's bore has bottomed out on the end of the encoder shaft.

STEP 4: There are two set screws in the LCA's drum 90° apart. Slide the hex wrench through one of the access holes. While pulling on the cable eyelet to rotate the drum, locate each set screw and tighten them onto the encoder shaft.

NOTE: It may be helpful to clamp the encoder into a vice during STEP 4.

CAUTION: During STEP 5 do not let the cable eyelet snap back into the housing. Sliding the hex wrench or screwdriver through the eyelet and using it as a handle can help prevent the eyelet from slipping out of your hand while extending/retracting the cable.

STEP 5: Pull on the eyelet and extend the cable out 30 inches or so and ensure that the cable is extending/retracting smoothly.

STEP 6: Install the cover plate and the four screws.

STEP 7: For an LCA01, install all three set screws into the access holes. For an LCA02, install two of the set screws, leaving the downward facing access hole open for a drain hole.

Removal

Removal is the reverse of installation steps 7, 6, 4, 2, and 1.

