

Encoder Lockout Clip Installation and Removal

Issue

Per the new NFPA 70, Article 500, Section 500.2 and ANSI/ISA-12.12.01-2012, clauses 8.1 and 8.7, a lockout clip (P/N E18445) must be installed on the encoder (P/N N10843) connector to maintain its status as a non-arcing component. For top drives equipped with this encoder (P/N N10843), verify that a lockout clip is present. If not, order the lockout clip (P/N E18445) and install in accordance with this document.

All new encoders (P/N N10843) will be supplied with the lockout clip (P/N E18445).



Note: For clarity, Figures 1 and 2 show the connector coupling out of position. Figure 3 shows the coupling installed on the top drive.



Note: The lockout clip must be installed after the encoder cable is connected to the encoder assembly as shown in Figure 3.

Installing the Lockout Clip

1. Place the lockout clip over the connector coupling nut as shown in Figure 1. Ensure the lanyard is toward the plug adapter as shown.

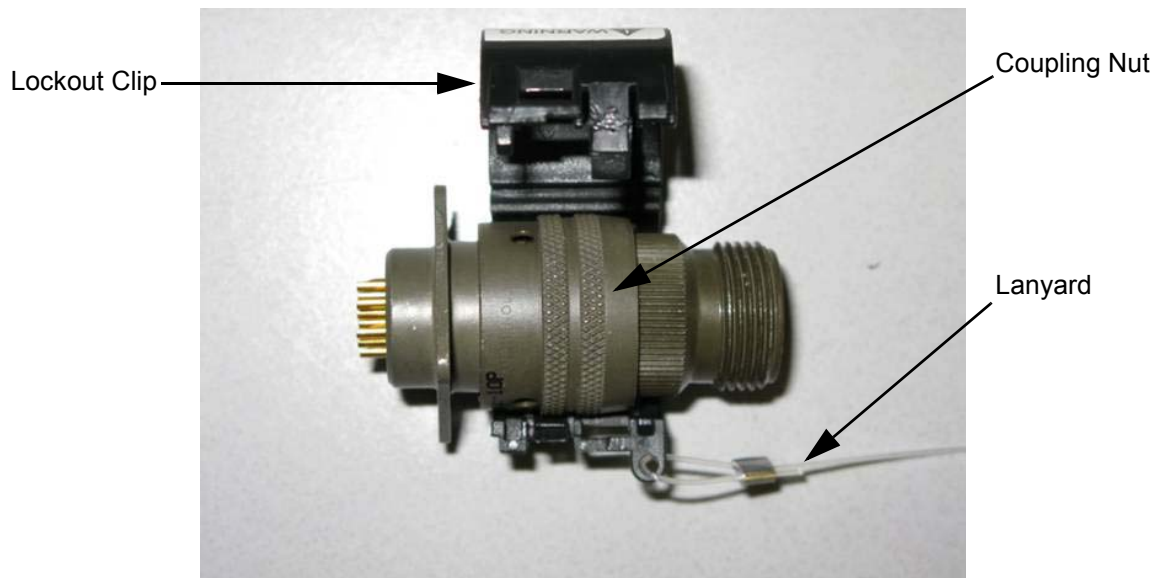


Figure 1: Place the lockout clip on the connector.

2. Close the lockout clip (see Figure 2).



Figure 2: Close the lockout clip.

3. Connect the lanyard to the encoder cable as shown in Figure 3.



Figure 3: Encoder cable with lockout clip installed.

Removing the Lockout Clip



Caution!

Use caution while using the screwdriver to release the latches in steps 1–4 below. If the screwdriver slips while releasing the latches, it may cause an injury.

1. Use a screwdriver to push down on one of the lockout clip latches as shown in Figure 4.



Figure 4: Push down on the latch.

2. Twist the screwdriver to release the latch (see Figure 5).

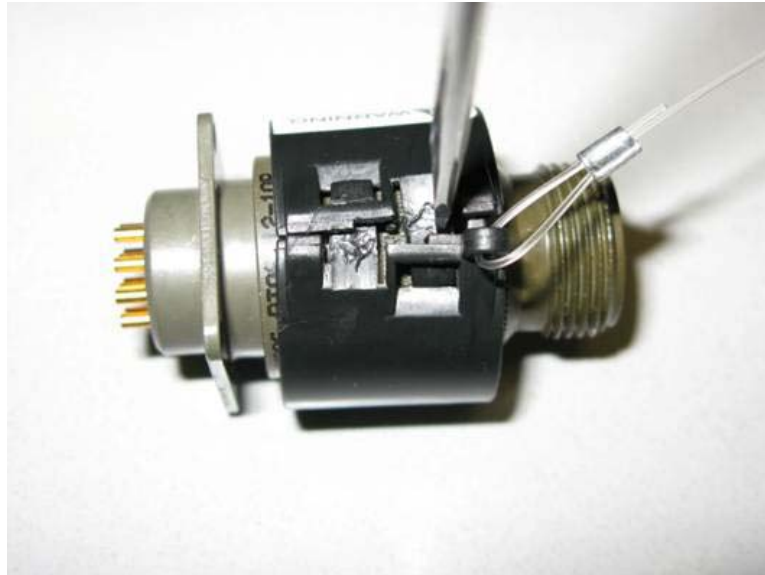


Figure 5: Twist the screwdriver.

3. Use the screwdriver to push down on the remaining lockout clip latch (see Figure 6).



Figure 6: Push down on the latch.

4. Twist the screwdriver to release the latch (see Figure 7).



Figure 7: Twist the screwdriver.