

Figure 1

1. INTRODUCTION

SOLARLOK Locking Collar 2106207-1, shown in Figure 1, is designed to prevent access to the release feature of a mated SOLARLOK connector (male cable coupler and female cable coupler) without the use of a tool.

NOTE



The locking collar is Certified by Underwriters Laboratories Inc (UL).

The installed locking collar enables SOLARLOK connectors to comply with National Electric Code (NEC). NEC 2008: 690.33 states: Connectors that are readily accessible and that are used in circuits operating over 30 volts nominal, maximum system voltage for direct current (DC) circuits or 30 volts for alternating current (AC) circuits shall require a tool for opening.

The locking collar must be installed onto the male cable coupler of SOLARLOK connectors. These instructions cover installation and removal.

Reasons for reissue of this instruction sheet are provided in Section 6, REVISION SUMMARY.

2. DESCRIPTION

The locking collar features a latch that properly locates and secures the locking collar onto the male cable coupler. When the cable couplers are mated, the finger grip windows accept the finger grips of the female cable coupler, locking the locking collar in place. The latch must be released using a flat-blade screwdriver.

3. INSTALLATION

The locking collar can only be installed *before* the cable couplers are mated. Proceed as follows:

CAUTION



To avoid personal injury, the circuit load must be **DISCONNECTED BEFORE** a cable coupler is unplugged. A cable coupler **MUST NOT** be unplugged under load.

UL, National Electric Code, and NEC are trademarks.

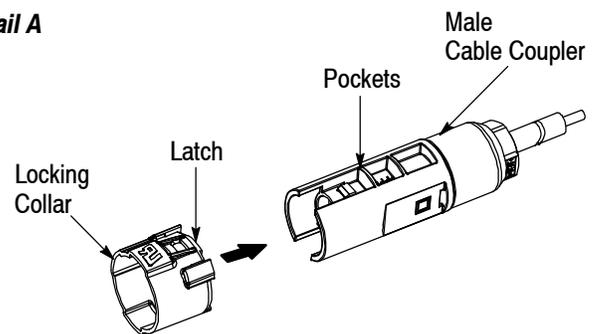
1. Slide the locking collar over the mating end of the male cable coupler with the latch aligned with the pockets of male cable coupler (see Figure 2, Detail A) until the latch sits in the first pocket of the male cable coupler as shown in Figure 2, Detail B.

2. Properly align the female cable coupler with the male cable coupler, and mate the cable couplers. See Figure 2, Detail B. When the cable couplers are fully mated, there will be an audible “click.”

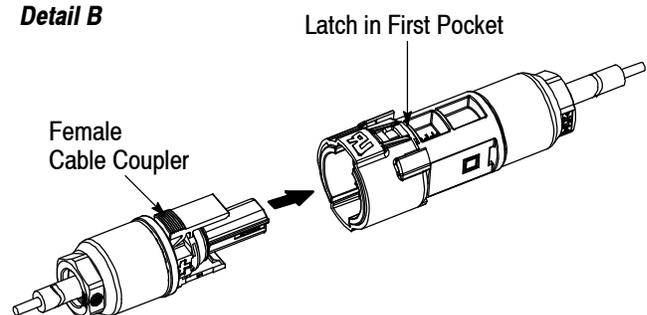
3. To ensure that the locking collar is locked into place, try to twist and slide the locking collar (it should not move). Inspect the installation to ensure that the cable couplers are straight and parallel. See Figure 2, Detail C.

Installing Locking Collar

Detail A



Detail B



Detail C

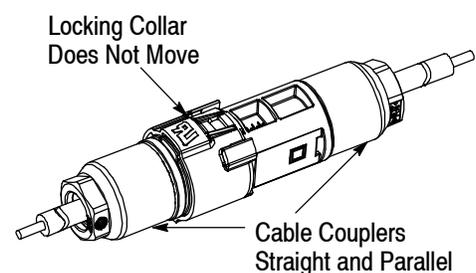


Figure 2

4. REMOVAL

The locking collar can only be removed *after* the cable couplers are unmated. Proceed as follows:

1. From the female cable coupler side, insert the tip of a flat-blade screwdriver into the latch release window of the locking collar. See Figure 3, Detail A.
2. Rotate the screwdriver, then slightly push and pry the latch until the latch lifts over the first pocket of the male cable coupler and into the second pocket as shown in Figure 3, Detail B.
3. To unmate the cable couplers, gain access to the finger grips of the female cable coupler by pushing the locking collar axially toward the male cable coupler until the latch is against the end of the second pocket. See Figure 3, Detail B. Depress the finger grips and pull the female cable coupler away from the male cable coupler. See Figure 3, Detail C.
4. Insert the tip of a flat-blade screwdriver under the latch of the locking collar, and rotate the screwdriver so that the latch and latch beam deflects away from the male cable coupler. Then pull the locking collar off of the male cable coupler. See Figure 3, Detail D.

5. REPLACEMENT AND REPAIR

The locking collar is not repairable. DO NOT use a defective or damaged locking collar. The locking collar must be replaced after 5 installation cycles.

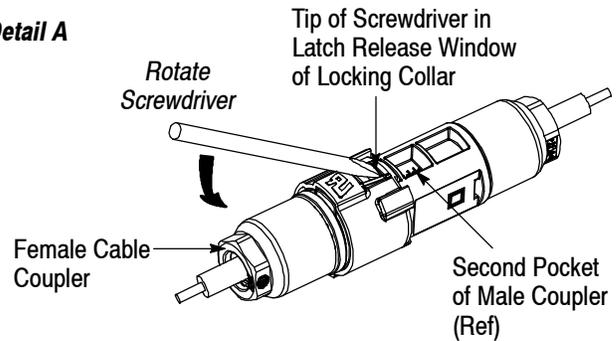
6. REVISION SUMMARY

Revisions to this instruction sheet include:

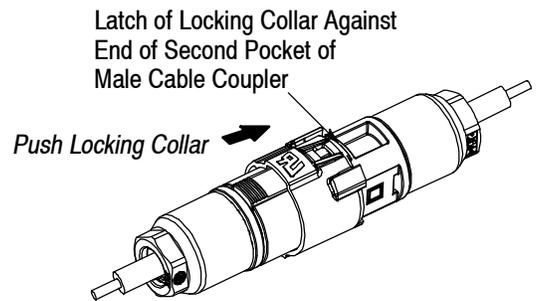
- Changed company logo

Removing Locking Collar

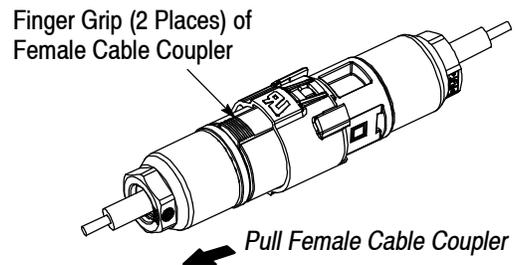
Detail A



Detail B



Detail C



Detail D

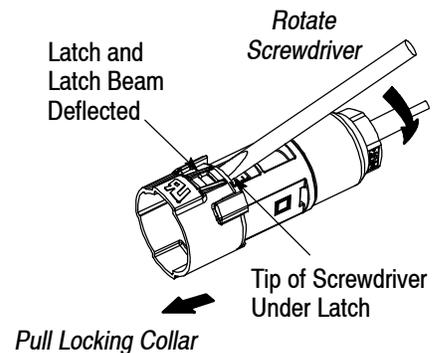


Figure 3