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3M™ Scotchlok™ Cartridge Tool E-9C

Instructions

1.0 General

This practice contains instructional information on the 3M™ Scotchlok™ E-9C Cartridge Tool. The E-9C tool is designed to be used with 3M Scotchlok Connectors in cartridges.

2.0 Description

The E-9C tool crimps and automatically feeds 3M Scotchlok Connectors packaged in cartridges. The tool body is cast aluminum. Included with each tool is a black vinyl pouch designed to protect the E-9C tool from dirt, grease and other foreign materials when tool is not in use. The 3M Scotchlok Tool Gauge is also included to check the E-9C tool for proper crimping action. Cleaning instructions are printed on the pouch.

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3.0 Loading the 3M™ Scotchlok™ Cartridge Tool E-9C

3.1 Pull the loading ring at the rear of tool out to its stopping point.

3.2 Turn 90° clockwise to lock. See Figure 1.

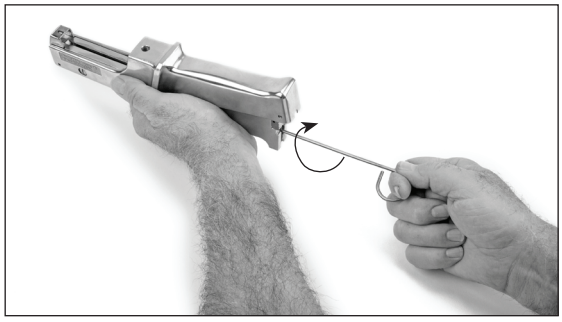


Figure 1. Turn ring 90°

3.3 Insert a cartridge into the tool over the front guide bridge so that the buttons face down and the open end of the connectors are face forward. See Figure 2.

Figure 2. Insert cartridge into tool

3.4 Push the cartridge back against spring pressure and position it to slide forward so that it centers under the bridge.

3.5 Turn the loading ring at the rear of tool back to its original position and let it slide forward to lock. (Do not let it slam forward). See Figure 3.

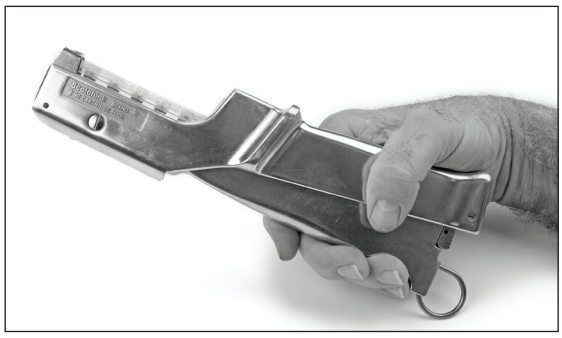


Figure 3. Cartridge loaded in place

4.0 One Method of Splicing with the E-9C Tool

4.1 Locate the joint by twisting pairs one full turn. See Figure 4.

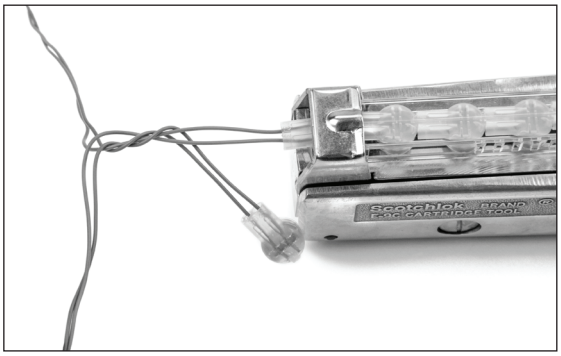


Figure 4. Twist pairs one full term

4.2 Squeeze the handle slightly. (This will put pressure on the connector and prevent it from moving when inserting the wires). Insert the selected wires all the way into connector ports. Squeeze the handle fully and release.

Note: Only one wire in each port.

4.3 The connector can be quickly inspected for full wire depth at this stage.

5.0 Unloading the 3M™ Scotchlok™ Cartridge Tool E-9C

5.1 Repeat steps 3.1 and 3.2.

5.2 Push the cartridge back and lift out.

5.3 Tool is ready for reloading.

6.0 Cleaning the E-9C Tool

6.1 Do not oil.

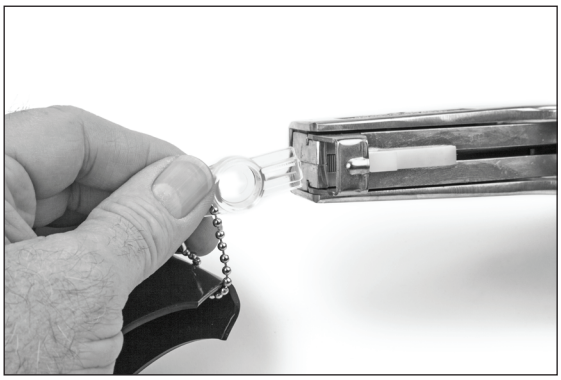
6.2 Wipe with clean rag or soak in an approved filled cable cleaner. Blow dry.

Note: Carefully follow safety, health and environmental information on container label or Safety Data Sheet for cable cleaner being used.

7.0 Tool Gauge Use

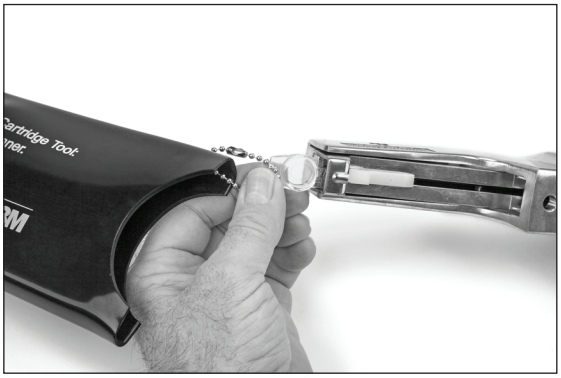
7.1 Remove the cartridge pack from the tool.

7.2 Insert the 3M™ Scotchlok™ Tool Gauge into the open jaws of the tool as shown.



7.3 Close the jaws as tightly as possible by squeezing the handle of the tool.

7.4 If force is required to pull gauge from jaws of closed tool, the tool is properly adjusted.



7.5 If the jaws of the closed tool do not grip the gauge, the tool will not properly crimp the 3M™ Scotchlok™ Connectors used with it. Contact your local 3M representative for adjustment or replacement.

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