



2178-LS EGI External Ground Isolation Kit for the 2178 and 2178-L/S Series Fiber Optic Splice Cases

Instructions

1.0 Purpose

- 1.1 External Ground Isolation for 3M™ 2178, 2178-G, and 2178-L/S Series Fiber Optic Splice Cases.

2.0 Contents of the 3M™ 2178-LS EGI External Ground Isolation Kit

- Housing Assembly (2)
- Ground Wire (2)
- Lock washer (2)
- Nut (2)
- Plastic cap (2)
- 3M™ Scotchlok™ 4460-DNFO Shield Bond Connector Assembly (2)

Additional materials required:

- 3M™ 2178-125 Mastic Tape (if using mastic seal)

3.0 Using the 2178-LS EGI Kit with Splice Cases using Gaskets

- 3.1 Place the sealing plug in the cable port inside the gasket opening. The 2178-LS EGI should be positioned as shown in the illustration.

4.0 Using the 2178-LS EGI Kit with Splice Cases using Mastic

- 4.1 Use the 2178-125 mastic tape to build the seals at the cable ports. Wrap the sealing plug housing approximately one time. Sealing tape OD should be flush with plug OD.
- 4.2 Place the sealing plug in the cable port as shown in the illustration.

5.0 2178-LS EGI Ground Wire Installation

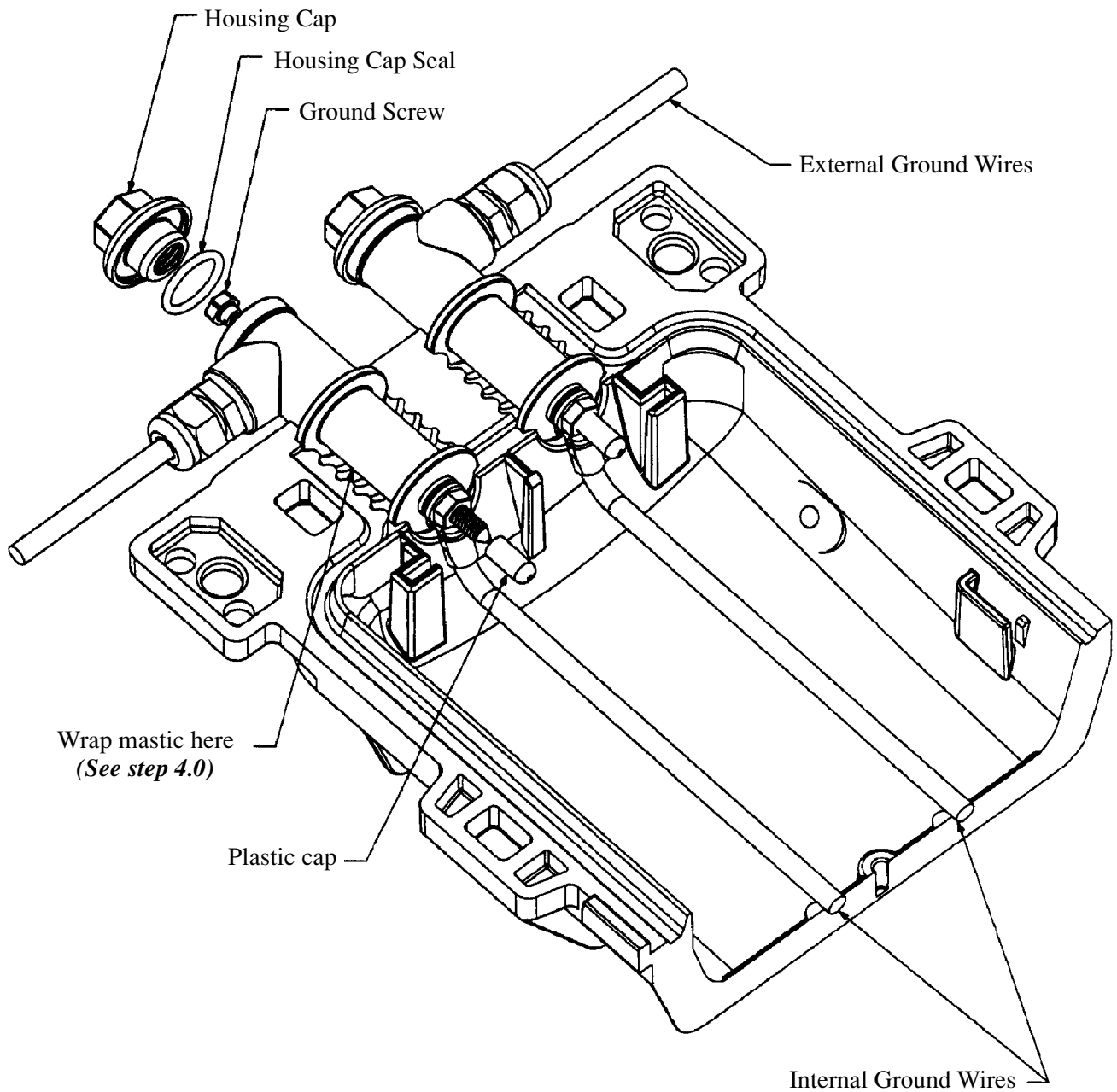
- 5.1 Install internal ground wire to EGI Kit inside the cable port. Torque nut to 35 ± 5 in-lbs (4 ± 0.6 N·m). Install plastic cap over ground stud threads. Install other end of ground wire to a shield bond connector following the instructions provided with the connector.
- 5.2 Trim external ground wire insulation back 0.5" (12.7 mm) from end.
- 5.3 Remove housing cap. Insert ground wire through liquid-tight fitting into ground stud and tighten ground screw to 35 ± 5 in-lbs (4 ± 0.6 N·m).

Note: Be sure ground wire is completely inserted into ground stud hole.

- 5.4 Install housing cap and torque to 35 ± 5 in-lbs (4 ± 0.6 N·m).
- 5.5 Tighten liquid-tight fitting nut to ground wire with 17 ± 5 in-lbs (2 ± 0.6 N·m).

6.0 Splice Case

- 6.1 Complete splice case installation according to the instructions for the 3M 2178 or 2178-L/S Series Fiber Optic Splice Case.



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Telecom Systems Division

6801 River Place Blvd.
 Austin, TX 78726-9000
 800/426-8688
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