

**Installation/Connection**

- Install the STC port connector into the mating port carefully. Follow recommended installation procedures for the applicable port fittings.
- Align the STC fitting on the hose assembly with the STC connector, and push the hose fitting into the mating STC connector until you feel a solid stop.
- Verify that the STC connection has been made successfully by pulling on the connection to make sure that the male connector has been properly inserted into the female connector. Be sure that the direction of pull is parallel to the axis of the STC connection.

A visual indication can be made after assembly or verifying that the red indication ring is not visible.

**Warning:** Eaton STC fittings are designed to be installed only in mating STC connectors. Contact Eaton for additional information.

**Disconnection**

- Remove pressure from the system before attempting to disconnect these fittings in order to avoid forceful ejection of the fitting, which could result in personal injury.
- Some fluid may still be in the system. Minimize fluid loss by draining the fluid from system components prior to disconnection.
- Prior to disconnection, clean the area around the fittings with a clean cloth, Or using an airgun to blow dirt and debris from the release sleeve area.
- To help avoid release sleeve tearing, create an (for the release sleeve) insertion gap by moving the sleeve in the release direction. (Refer to Figure 1). This can be done either by hand or by using a single prong of the release tool.
- Insert the release tool behind the release sleeve (D) and pull the hose assembly out from the mating STC® connector (leaving the release tool inserted will aid disassembly). Do not pry on the fitting with the release tool.
- If a release tool is not available, a thin blade screwdriver may be used (larger fitting sizes may require two screwdrivers). Use with care - a screw driver could damage the release sleeve.



Figure 1



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# Seal Replacement Instructions

## Inspection

- STC fittings are designed to be connected and disconnected repeatedly without replacing the O-Ring and Back-Up Ring, unless leakage or damage is observed.
- Inspect mating STC fittings to ensure they are in good condition, clean and free of contaminants, nicks, scratches, flatspots, etc.
- Check the Wire Latch Ring (C) to ensure that it is in proper position in the female STC connector prior to installation or reconnection.
- Check the O-Ring (A) to ensure it is not cut or otherwise damaged prior to installation or reconnection.
- Check the Back-Up Ring (B) to ensure it is not damaged. Verify that it is at the front of the O-Ring groove prior to reconnection the fitting.
- If any damage is detected on either of the O-Ring, Back-up Ring or Latch Ring, replace them by the following procedures below.
- Carefully remove O-Ring (A) and Back-Up Ring (B) with an O-Ring pick with out damaging the interior surfaces of the fitting.
- Inspect the interior surfaces and grooves of the fitting and ensure they are free of foreign material or nicks, scratches, dents, etc.
- If undamaged, clean the fitting and install Back-Up Ring (B) at the front of the O-Ring groove.
- Install the new O-Ring (A) in the groove behind the Back-Up Ring (B) and inspect to insure O-Ring and Back-Up ring are secure in the groove. Lubricate O-Ring with a lubricant which is compatible with the system fluid.
- If the Wire Latch Ring (C) is damaged, carefully remove the Latch Ring without damaging the interior surfaces of the connector.
- Carefully insert the Wire Latch Ring in the Latch Ring groove. The new Wire Latch Ring should be able to rotate in the groove.
- Inspect and reinstall the connector. Follow the installation/ connection steps for reinstallation.

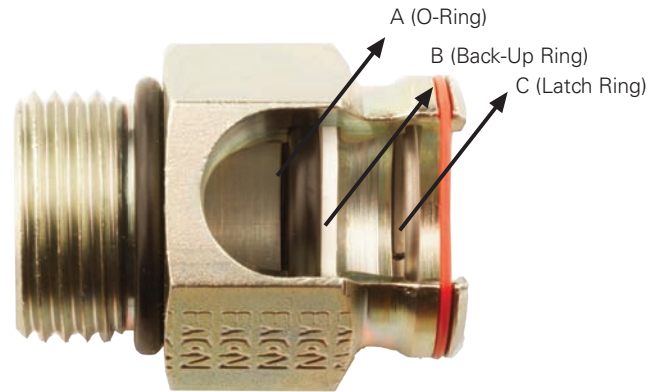
**Caution:** Inspect to verify proper location of O-Ring and Back-Up Ring connector. (Refer to Figure 2) leakage could occur if installed incorrectly.



**Caution:** If leakage is observed, and the fittings are in otherwise good condition, a seal placement kit must be installed or the fitting must be replaced. If seals are not replaced, a decrease in the system performance or damage to the system components may result.



**Caution:** Any damaged O-Ring must be replaced with a new O-Ring and Back-Up Ring using only genuine Eaton parts. Any damaged fitting must be replaced with a new part to avoid leakage.



**Figure 2. Female Post Connector**

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