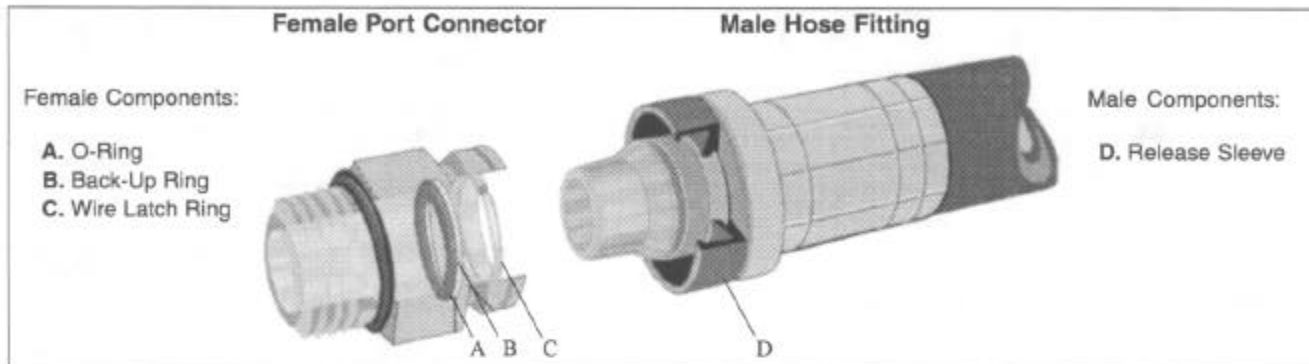


## Service Bulletin for STC® Fittings



### Disconnection

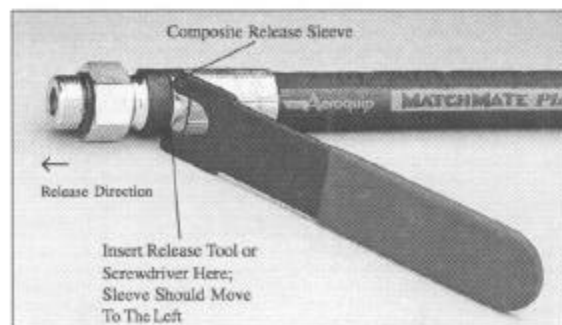
**Warning:** Remove pressure from the system before attempting to disconnect these fittings in order to avoid forceful ejection of the fitting, which could result in personal injury.

1. Some fluid may still be in the system. Minimize fluid loss by draining the fluid from the system components prior to disconnection.
2. Prior to disconnection, clean the area around the fitting with a clean cloth. Or using an airgun, blow dirt and debris from the release sleeve area.
3. To help avoid release sleeve tearing, create a release tool 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.
4. 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. (Refer to Figure 1)
5. If a release tool is not available, a thin blade screwdriver may be used (larger fitting sizes may require two screwdrivers). Follow step #4 above. Use with care -- a screwdriver could damage the release sleeve.

### Inspection

1. 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.
2. Inspect mating STC fittings to ensure they are in good condition, clean and free of contaminants, nicks, scratches, flatspots, etc.
3. Check the Wire Latch Ring (C) to ensure that it is in the proper position in the female STC connector prior to installation or reconnection.
4. Check the O-Ring (A) to ensure it is not cut or otherwise damaged prior to installation or reconnection.
5. 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 reconnecting the fitting.

Figure 1. STC Assembly



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

## Installation/Connection

1. Install the STC port connector into the mating port carefully. Follow recommended installation procedures for the applicable port fittings.
2. 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 definite snap and a solid stop.
4. If undamaged, clean the fitting and install Back-Up Ring (B) at the front of the O-Ring groove.
5. 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.

**Warning:** Pull back on the hose assembly to verify that a proper connection has been made. An improper connection may result in a sudden assembly failure with a potential for personal injury.

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

## Seal Replacement Instructions

1. Inspect the O-Ring (A) in Female STC connectors.
2. Carefully remove the O-Ring (A) and Back-Up Ring (B) with an O-Ring pick without damaging the interior surfaces of the fitting.
3. Inspect the interior surfaces and grooves of the fitting and insure they are free of foreign material or nicks, scratches, dents, etc.
6. If the Wire Latch Ring (C) is damaged, carefully remove the Latch Ring without damaging the interior surfaces of the connector.
7. Carefully insert the new Wire Latch Ring in the Latch Ring groove. The Wire Latch Ring should be able to rotate in the groove.
8. Inspect and reinstall the connector. Follow the installation/connection steps for reinstallation.

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

Figure 2. Female Port Connector



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



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