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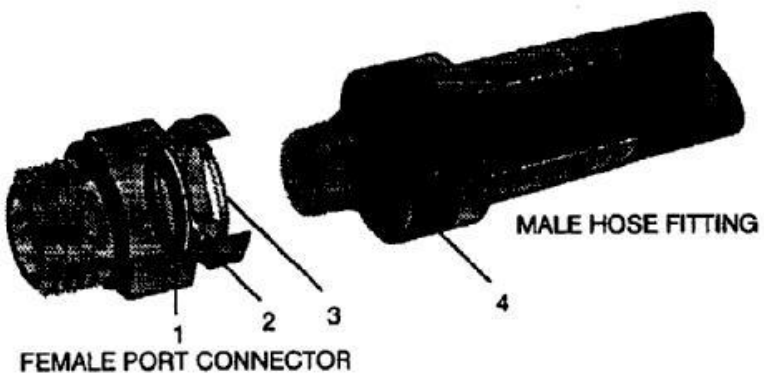
Title: Aeroquip STC Hydraulic Push to Connect Fitting

Applies To: All models with Aeroquip hydraulic STC fittings, in effect November, 1995

DESCRIPTION

In November, 1994, Navistar ® started using the Aeroquip STC push to connect hydraulic fitting on the parking brake and manual transmission oil coolers. In the future, the Aeroquip STC hydraulic fitting will be used on other hydraulically operated components.

This letter contains parts and service information to service this type of fitting (Figure 1).



(Right click on graphic to bring up an option list)

Figure 1.

1. O-RING
2. BACK-UP RING
3. WIRE LATCH RING
4. RELEASE SLEEVE

NOTE:

STC fittings are designed to be installed ONLY in mating STC connectors.

PARTS INFORMATION

Part Number	Part Description
1699052C91	STC Fitting Service Kit, 3/8, Inch Dia.
1699053C91	STC Fitting Service Kit, 1/2, Inch Dia.
1699054C91	STC Fitting Service Kit, 5/8, Inch Dia.

Each kit contains:

- 1 O-Ring
- 1 Back-Up Ring
- 1 Wire Latch Ring

DISCONNECTION

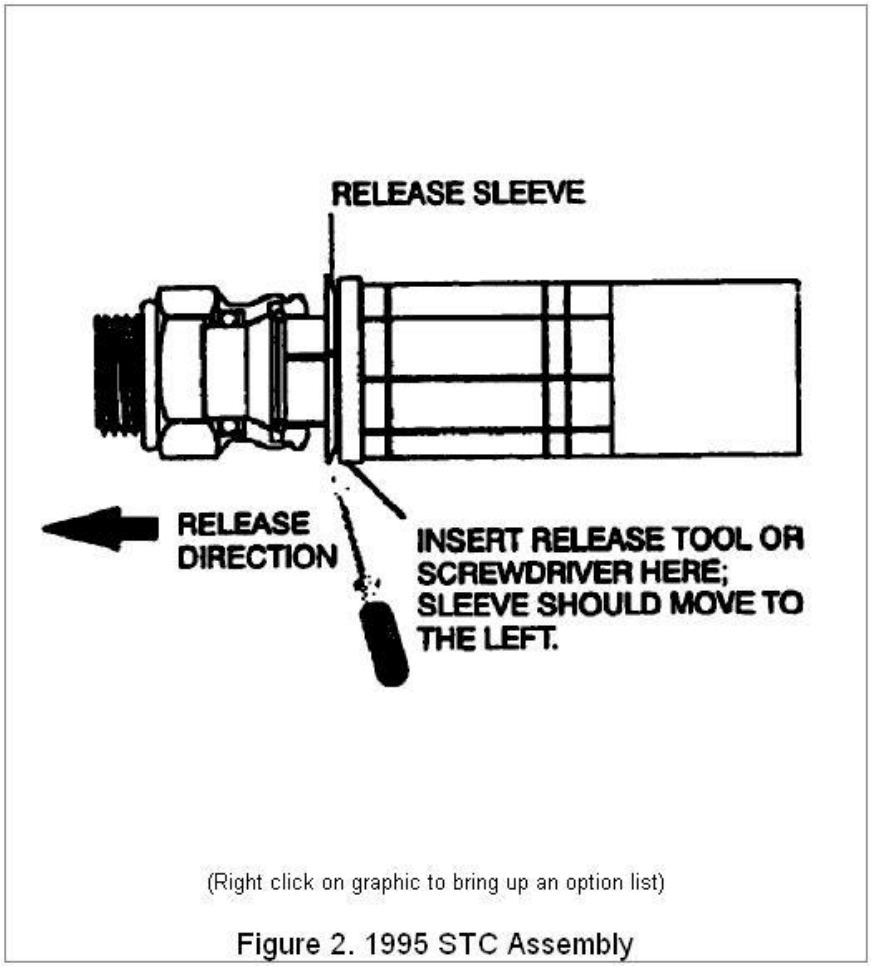
WARNING:

To avoid forceful ejection of the fitting and possible injury or death, remove pressure from the system being serviced before disconnecting these fittings.

1. Some fluid may still be in the system. Minimize fluid loss by draining the system components prior to disconnecting fittings.

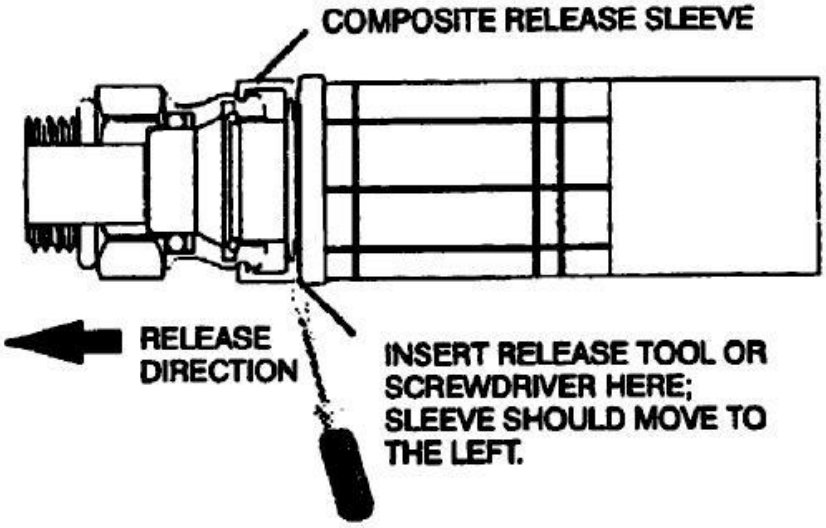
2. Prior to disconnecting fitting, clean area around the fitting and the release sleeve to prevent dirt and debris from entering the system.

3. Insert release tool behind the release sleeve (Figure 2 and Figure 3) and pull hose assembly out from mating STC connector. DO NOT pry on the fitting with the release tool.



(Right click on graphic to bring up an option list)

Figure 2. 1995 STC Assembly



(Right click on graphic to bring up an option list)

Figure 3. 1996 STC Assembly

4. If a release tool is not available, a thin blade screwdriver may be used (larger fitting sizes may require 2 screwdrivers). Follow step 3 above. Use care as a screwdriver may damage the release sleeve.

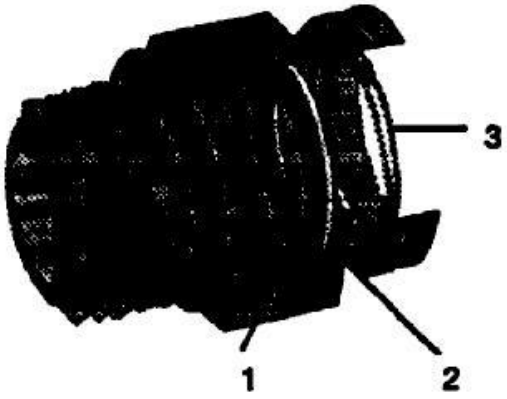
INSPECTION

NOTE:

STC fittings are designed to be connected or disconnected repeatedly without replacing the O-ring and back-up ring unless leakage or damage is observed.

1. Inspect mating STC fittings to insure they are in good condition: clean, and free of contaminants, nicks, scratches, and flat spots.

2. Check the Wire Latch Ring (Item 3, Figure 4) to insure that it is in the proper position in the female STC connector prior to installation or reconnection.



(Right click on graphic to bring up an option list)

Figure 4.

1. O-RING
2. BACK-UP RING
3. WIRE LATCH RING

3. Check the O-Ring (Item 1, Figure 4) to insure it is not cut or damaged prior to installation or reconnection.

4. Check the Back-Up Ring (Item 2, Figure 4) to insure it is not damaged. Verify that it is at the front of the O-ring groove prior to reconnecting the fitting.

NOTE:

If leakage is observed, and the fitting is in otherwise good condition, a seal replacement kit must be installed or the fitting must be replaced.

SEAL REPLACEMENT

1. Carefully remove the O-ring (Item 1, Figure 4) and the back-up ring (Item 2, Figure 4) with an O-ring pick, being careful not to damage the interior surface of the fitting.

2. Inspect the interior surfaces and grooves of the fitting and insure they are free of foreign material or nicks, scratches or dents.

NOTE:

Any damaged fitting must be replaced with a new part to avoid leakage.

3. If undamaged, clean the fitting and install back-up ring (Item 2, Figure 4) at front of O-ring groove.

4. Install new O-ring (Item 1, Figure 4) in groove behind back-up ring and inspect to insure O-ring and back-up ring are secure in the groove. Lubricate O-ring with a lubricant that is compatible with system fluid.

NOTE:

Inspect to verify that the O-ring and back-up ring are properly installed in the connector (Figure 4). Leakage could occur if installed incorrectly.

5. If the wire latch ring (Item 3, Figure 4) is damaged, carefully remove it without damaging the interior surface of the connector.

6. Carefully insert the new wire latch ring in the latch ring groove. The wire latch ring should be able to rotate in the groove.

CONNECTION

Align STC fitting on hose assembly with STC connector and push hose fitting into mating STC connector until you feel a definite snap and solid stop.

WARNING:

To avoid possible personal injury, pull back on hose assembly to verify that a proper connection has been made.

Hide Details

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Staff ID	Client ID	Comments	Created Date
	DYYRWU1	You received the following feedback From: Dyyrwu1 - Rex Unkefer Email Address: rex@alliancemotorsinc.com Job Classification: SE008, Service Technician Dealer: ALLIANCE MOTORS INC Feedback: How abou the bulk hose part #'s for the 3 sizes?	12/16/2013 10:04:17 AM

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