

Authorized Field Change

AFC G-05908

Date: July, 2005

Subject File: ENGINE

Subject: All FE 300 Bus Models Built Between March 1, 2004 and April 5, 2005 with Allison Automatic Transmissions May Develop a Transmission Fluid Leak in the Jumper Hose Between the Radiator In-Tank Transmission Cooler and the Transmission Air to Oil Cooler

Model: FE 300

Start Date: 03/01/2004 End Date: 04/05/2005

DESCRIPTION

The transmission cooler jumper hose straight flare fitting was over-crimped by the supplier causing radial cracks in the interior layer of the hose. With time the transmission fluid may penetrate the hose layers and cause degradation.

PARTS INFORMATION

Table 1

Part Number	Description	Quantity
2587023C91	Transmission Cooler Jumper Hose	1

SERVICE PROCEDURE



WARNING – To avoid property damage, personal injury, or death, park the vehicle on a flat level surface, set the parking brake, turn the engine off, and chock the wheels.



WARNING – To avoid personal injury from hot transmission fluid, allow the vehicle to cool sufficiently before performing this Service Procedure.

1. The transmission cooler jumper hose fittings are visible through the access openings in the front bumper (Figure 1).

SERVICE PROCEDURE (CONT.)

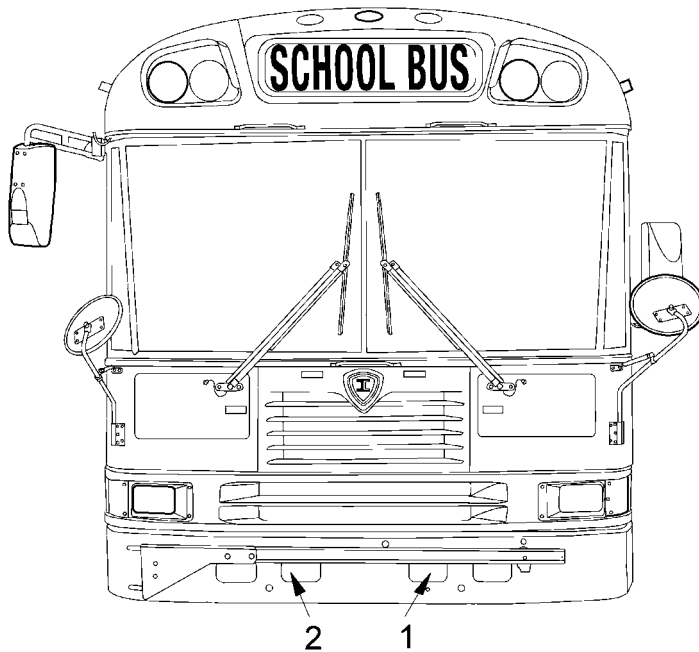


Figure 1 Arrows Indicate Access Openings

1. See Figure 3 for Enlarged View
2. See Figure 4 for Enlarged View
2. Position a suitable clean container below the jumper hose flare fitting on the passenger entry side of the bus. Disconnect the jumper flare hose fitting (Figure 2, Item 1) and allow the transmission fluid to drain into the container.
3. Remove the p-clip (Figure 2, Item 2), disconnect the remaining hose flare fitting and remove the jumper hose.
4. Install the new jumper hose and reinstall the p-clip following the previous Steps in reverse order. Tighten the jumper hose flare fittings to 52 to 57 Lbf-ft (70 to 77 Nm).

SERVICE PROCEDURE (CONT.)

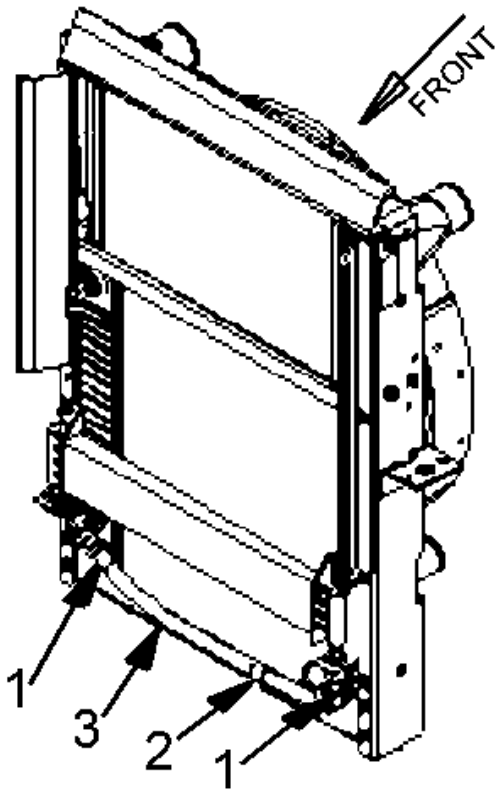


Figure 2 Transmission Cooler Jumper Hose Location and Components

- 1. Crimped Hose Fittings
- 2. P-Clip
- 3. Coolant Jumper Hose

SERVICE PROCEDURE (CONT.)

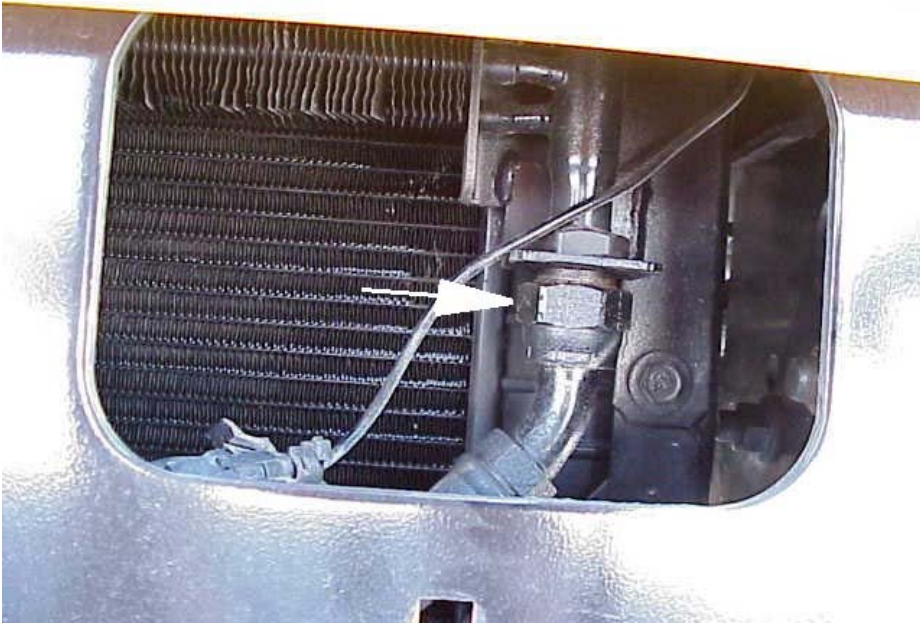


Figure 3 View Through Bumper Opening on Driver Side, Disconnect Flare Fitting (Arrow)

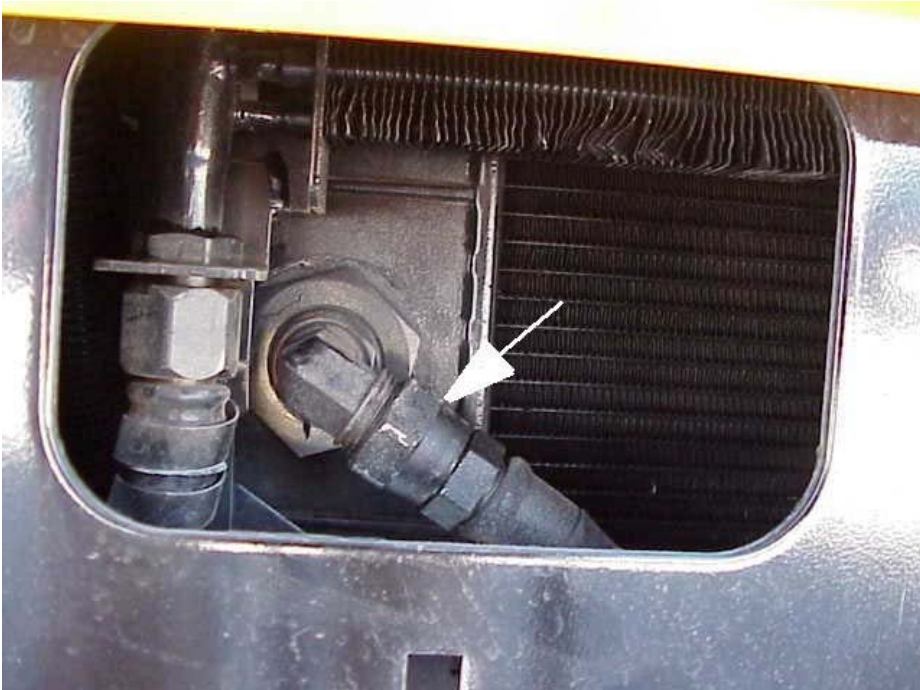


Figure 4 View Through Bumper Opening on Passenger Side, Disconnect Straight Flare Fitting (Arrow)

5. Refill the transmission to the correct level with the appropriate transmission fluid.
6. Check for leaks.

Operation number must appear on all claims.

Table 2 Labor Information

Operation No.	Description	Time
A40-05908-1	Remove and Replace Jumper Hose	0.5 Hr.

ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-05908.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44.

To assure this important improvement is made in a timely manner, all claims for G-05908 activity must be submitted by June 30, 2006 or within the normal warranty period for the vehicle, if after June 30, 2006.

GROUP	NOUN	C	WARR.	TP	PAD
GROUP Enter number G—	NOUN Leave blank	C (CAUSE) Enter either 1, 2, 3. (see below)	WARRANTY (Warranty Code) Enter 40.	TYPE PART Enter P for type part causing failure.	PAD Enter 100
		1. Inspected (No repair required).			
		2. Inspected and repaired.			
		3. Defective part from parts stock.			

Distribution: All except J-81

Reproduction: Not required.