

# Authorized Field Change

AFC 07901

**Date:** February, 2007

**Subject File:** Brakes

**Subject:** Air Lines May be Crossed at Pressure Protection Valve on Certain FE School and FE Commercial Bus Models

Model: FE 300

Start Date: 02/11/2004 End Date: 11/28/2006

Unit Code: 14TBS

Unit Code: 14TBT

## DESCRIPTION

Air lines may be crossed coming from the SR-1 inversion and air bag leveling valve to the Pressure Protection Valve at the air tank on certain FE School and Commercial bus models.

## PARTS INFORMATION

No parts are required. The lines that are being swapped have sufficient length to reverse orientation.

## SERVICE PROCEDURE



**WARNING** – To avoid personal injury or death, shift transmission to park or neutral, set parking brake, and block wheels before doing diagnostic or service procedures.



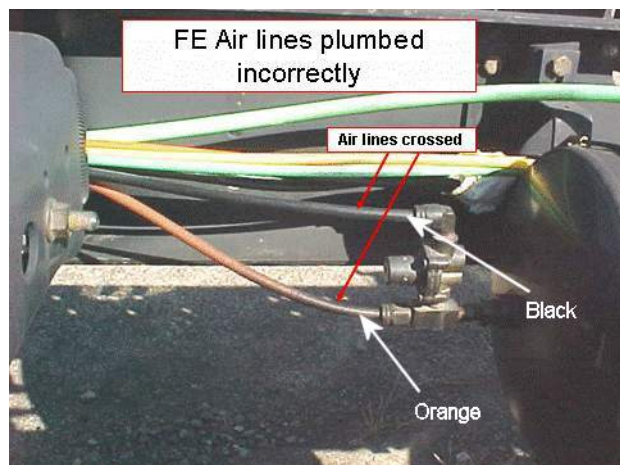
**WARNING** – To prevent personal injury or death, completely drain all air tanks and air lines before disconnecting air lines or components.

This service procedure is split into two (2) sections: 1) an inspection and 2) a plumbing change section. Perform the inspection on the vehicle first to determine if a plumbing change is required.

### Inspection

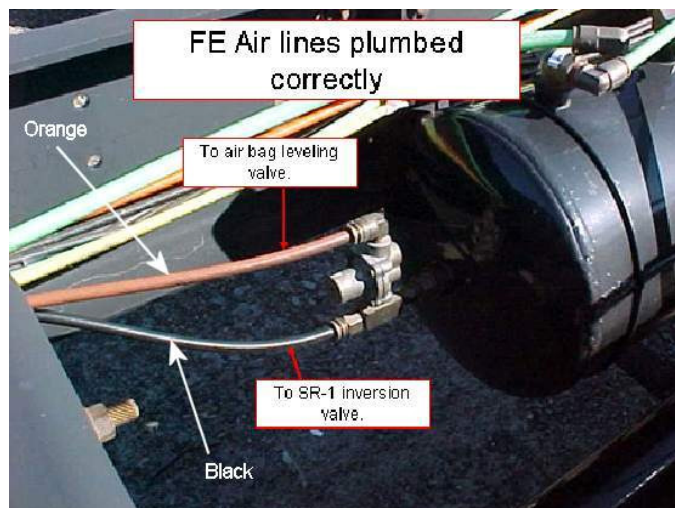
1. The air tanks and air lines can be viewed by looking under the front of the bus. If the air line color is not visible because of dirt or paint, you will have to perform the inspection by sliding under the bus and wiping the dirt off or scraping the paint from the air lines.

## SERVICE PROCEDURE (CONT.)



**Figure 1**

2. If the air line plumbing is CORRECT as shown in Figure 2, No plumbing change is required and the recall is complete. You will need to fill out and apply the enclosed recall decal S00109.
3. If the black and orange lines are not plumbed as indicated in Figure 1, they should appear as in Figure 2, which is the correct orientation. The SR-1 inversion valve should be plumbed from the primary air tank, with redundant plumbing from the secondary air tank. The air suspension leveling valve is also plumbed from the primary tank via a pressure protection valve. See correct orientation in Figure 2.
4. Determine if the black and orange lines are plumbed as indicated in Figure 1, these are INCORRECT. In this INCORRECT state, the SR-1 inversion valve is plumbed through the pressure protection valve (PPV), and the air suspension valve is plumbed directly from the primary tank.



**Figure 2**

### Plumbing Change Procedure

1. REFER to Figure 2 for correct orientations while making repairs.

## **SERVICE PROCEDURE (CONT.)**

2. Completely bleed both air tanks to 0 psi (0 KPa).
3. Disconnect the 5/8" black tube from the pressure protection valve (PPV).
4. Disconnect the 5/8" orange tube from the primary air tank.
5. Re-connect the orange air line to the pressure protection valve, making sure there are no kinks.
6. Re-connect the black air line to the primary air tank.
7. Start the vehicle to pressurize the system and check for leaks at the intermediate connection on the cross-member and the tank connections. repair as required.
8. Test Brake System: Drain the primary air tank. Ensure that the secondary air tank retains pressure. Apply the service brake and ensure that the brakes actuate. Reinstall primary air tank pressure to normal.

Operation number must appear on all claims.

**Table 1 Labor Information**

Operation No.	Description	Time
A40-07901-01	Inspection & Repair	0.4
A40-07901-02	Inspection Only	0.3

## 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-07901

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-07901 must be submitted by February 28, 2008 or within the normal warranty period for the vehicle, if after February 28, 2008.

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.			

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