

# VEHICLE RECALL

**G-05525**  
**March 2006**

**SUBJECT: NONCOMPLIANCE RECALL (U.S., EXPORT)**  
**REAR-REAR AXLE BRAKE TIMING on 5600*i* and**  
**5900*i* TRIDEMS built 8/1/2001 thru 9/23/2005**

## **DEFECT DESCRIPTION**

The as-built air brake component size and configuration for the extended wheelbases of the suspect population causes the rear-rear axle brake apply timing to be non-compliant with FMVSS 121 S5.3.3. The longer brake apply time may result in extended stopping distances.

## **MODELS INVOLVED**

This Safety Recall involves 5600*i* and 5900*i* Tridem Axle (8X4) models built between 8/1/2001 and 9/23/2005 with the following air tank/wheelbase configurations:

- with air tank feature code location 504053
  - on 5600*i* with wb longer than 268"
  - on 5900*i* with wb longer than 296"
- with air tank feature code location 04VBB
  - on 5600*i* with wb longer than 179"
  - on 5900*i* with wb longer than 194"
- with air tank feature code location 04VDT
  - on 5600*i* with wb longer than 268"
  - on 5900*i* with wb longer than 296"

## **PARTS INFORMATION**

The parts required for this recall are:

Part Number	Part Description	Quantity
<b>8900183R91</b>	RECALL SERVICE KIT, TRIDEM BRAKE	<b>1</b>
<b>417202C3</b>	TUBE, BLACK NYLON ¾" O.D.	<b>20ft. minimum</b> <i>Or more AS REQUIRED by Wheelbase</i>

The parts included in kit 8900183R91 are as follows:

Part Number	Part Description	Quantity
3517675C1	FITTING, ELBOW PUSH TO CONNECT NON-SWIVEL	3
3622758C91	VALVE, QUICK RELEASE, QUICK REL	2
444056	FITTING, ELBOW 45 DEGREE	4
2017493C1	FITTING, HOSE QUICK CONNECT 1/2" NPT X 3/4"	2
2017520C1	FITTING, ELBOW PUSH TO CONNECT 90 DEGREE	1
306132C1	STRAP, CABLE LOCK	30

## **SERVICE PROCEDURE**



### **WARNING:**

*TO PREVENT SERIOUS EYE INJURY, ALWAYS WEAR SAFE EYE PROTECTION WHEN YOU PERFORM VEHICLE MAINTENANCE OR SERVICE.*



### **WARNING:**

*TO PREVENT UNEXPECTED MOVEMENT OF THE VEHICLE AND POSSIBLE SERIOUS PERSONAL INJURY OR DEATH, BLOCK THE WHEELS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS.*

**NOTE:** Properly orient fittings by reviewing fitting orientation on each vehicle prior to old fitting removal. Backing off or loosening fittings while connecting new hosing, may contribute to air leaks. Always **TIGHTEN** fittings during re-orientation if necessary.

1. Drain air tanks by repeatedly depressing brake pedal, or opening air tank drain valves until all air pressure gauges read **0psi (0kPa)**.

2. Begin by removing the **green 5/8"** supply hose from the **primary air tank** to the **air brake relay valve**. Remove corresponding **5/8"** push-to-connect fittings.

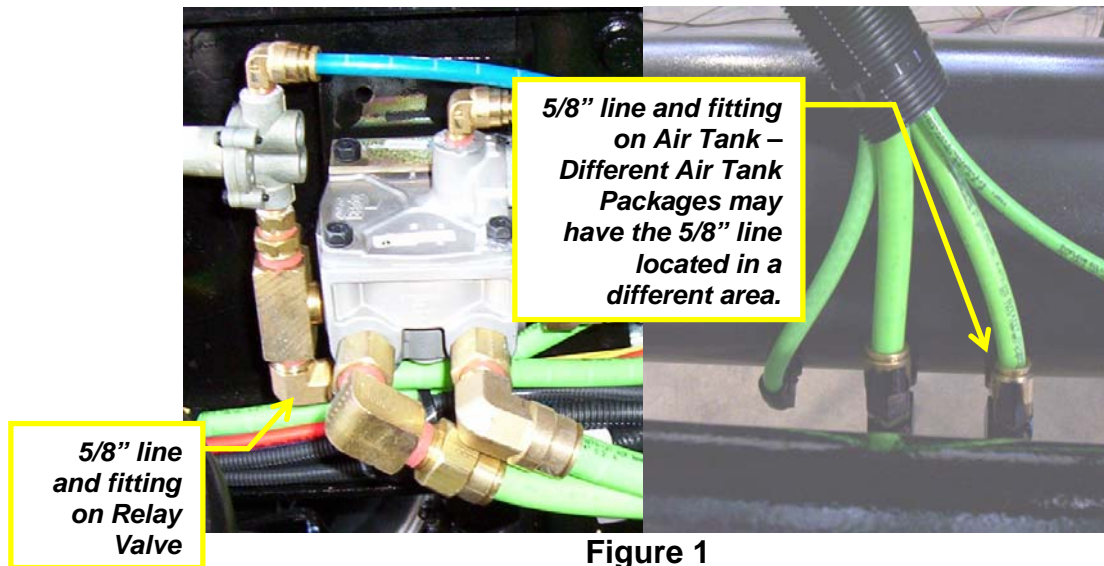


Figure 1

3. Replace with appropriate length of **3/4"** tubing, **3/4"** push-to-connect fittings. Replace all removed harness strap locks.
4. Install proper fittings into both new Quick Release Valves (QRV) as per figure 2.

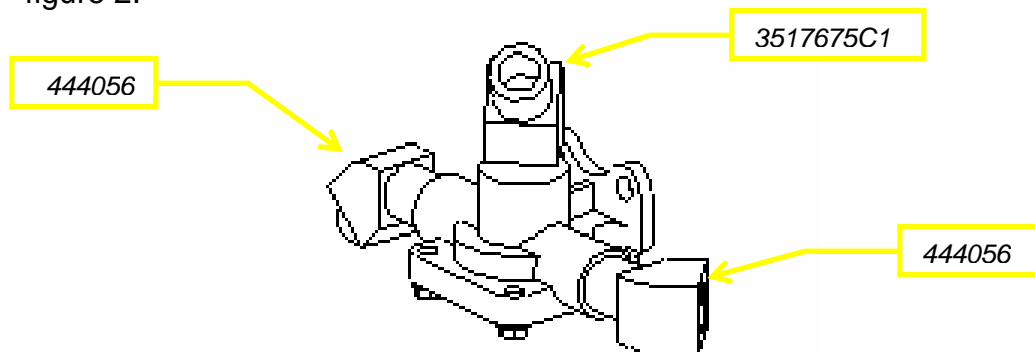


Figure 2

**NOTE:** QRV Shown for reference only. Orient fittings as per removed part. Do not loosen fittings to achieve proper orientation.

5. Disconnect brake chamber hoses and signal lines from existing Mid and Rear-Rear Service Brake QRV valves. Remove QRV Valves from vehicle.

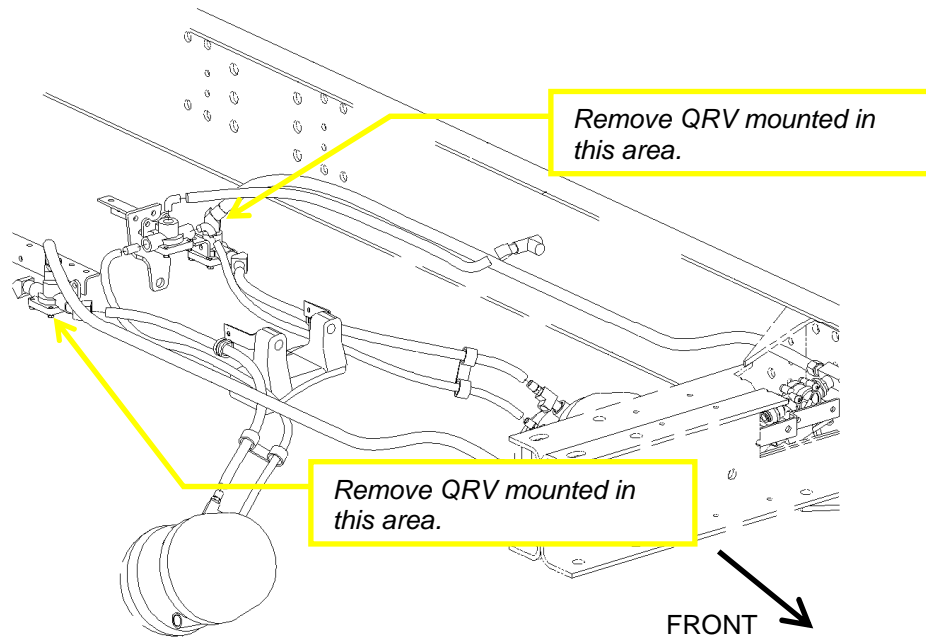


Figure 3

**NOTE: Save QRV mounting hardware as it will be re-used.**

6. Remove **5/8" green** signal hoses from the **QRV's** to the **ABS modulator valves**. Remove **5/8"** push to connect **fittings** on the **modulator valves**.

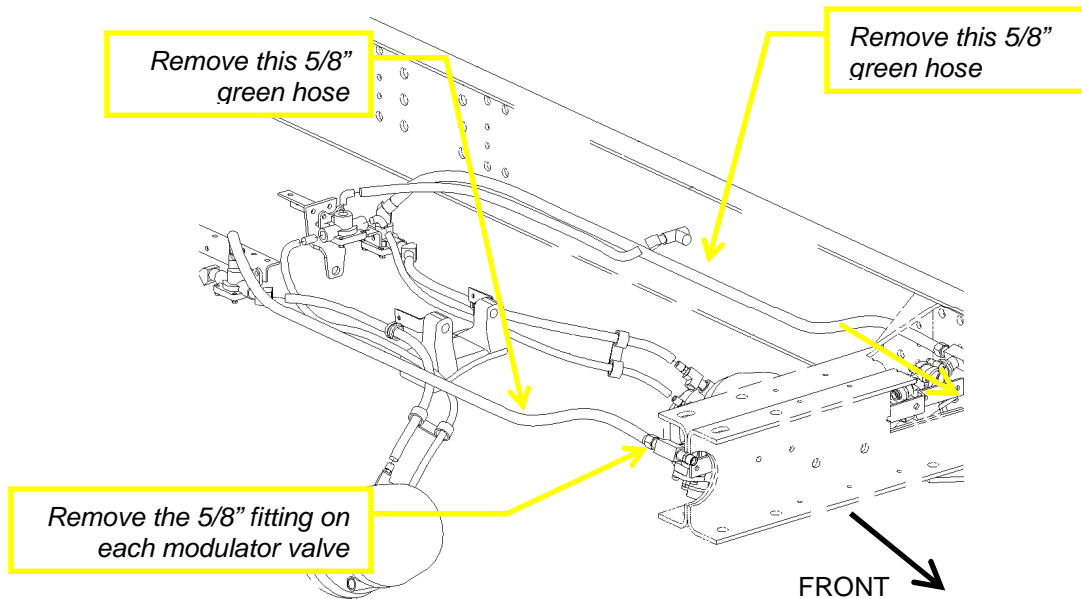


Figure 3

7. Replace with appropriate length of **3/4"** tubing and **3/4"** push to connect fittings on the modulator valves.
8. Install new QRV valves and re-connect all fittings and hoses.
9. Pressurize air system, check for proper brake operation and leaks, repair as necessary.

## **END OF SERVICE PROCEDURE**

### **LABOR INFORMATION**

<b><u>Operation No.</u></b>	<b><u>Description</u></b>	<b><u>Time</u></b>
A40-05525-1	<i><b>Perform Recall Service Procedure</b></i>	2.0 hr

### **CAMPAIGN IDENTIFICATION LABEL**

*Each vehicle corrected in accordance with this campaign **must be** marked with a CTS-1075 Campaign Identification Label.*

Complete the label and attach on a clean surface next to the vehicle identification number (VIN) plate.

### **ADMINISTRATIVE/DEALER RESPONSIBILITIES (U.S. & POSSESSIONS)**

Proceed immediately to make necessary correction to units in inventory. **All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery.** If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified **IMMEDIATELY** from your dealer location.

Dealers must correct all vehicles subject to this campaign at no charge to the owner, regardless of mileage, age of vehicle, or ownership, from this time forward.

The National Traffic and Motor Vehicle Safety Act, as amended, provides that each vehicle that is subject to a vehicle recall campaign must be adequately **repaired** within a reasonable time after the owner has tendered it for repair. A

failure to adequately repair within **60 days** after a tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within 60 days, the owner may be entitled to **replacement** with an identical or reasonable equivalent vehicle at no charge, or to a **refund** of the purchase price less a reasonable allowance for depreciation.

However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

To avoid having to replace an owner vehicle or refund the purchase price, every effort must be made to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible.

During the recall process, a listing of owner names and addresses will be furnished to the involved dealers to enable dealers to follow up with owners and have the vehicles corrected. You must limit the use of this listing to this campaign because the list may contain information obtained from state motor vehicle registration records and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

## **WARRANTY CLAIMS**

Refer to Dealer Warranty Manual for procedures to conduct Recall Campaigns.

It is important that the Recall 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:

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

## **POSSIBLE CUSTOMER REIMBURSEMENT**

There may be an occasion when a customer was charged for repairs related to this Recall prior to the Recall being released. The customer letter contains a statement for the customer to contact the Dealer if they believe they are entitled to reimbursement costs. The Dealer should follow the Customer Reimbursement guidelines in Warranty Policy Letter 03-001G. The Warranty Procedures and Administrative Policies manual (CTS1100) is in the process of being updated to include the information in Policy Letter 03-001G.

### **ADMINISTRATIVE/DISTRIBUTOR RESPONSIBILITY (EXPORT)**

Proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified from your distributor location.

Export locations are to submit warranty claims in the usual manner making reference to this recall number.

We ask for your full cooperation and follow-up to this important subject matter. If you have any questions or need further assistance, please contact the Regional Service Manager at your regional office.

### **INTERNATIONAL TRUCK AND ENGINE CORPORATION**