

G-03514
September 2003

SUBJECT: SAFETY RECALL (U.S., EXPORT)

**Air Tank Plumbing on 4200, 4300, and 4400 Family Models
Built 8/27/2002 through 7/22/2003 with Side-by-Side Air Tanks,
(Feature Code: 504602) at the Escobedo Assembly Plant**

DEFECT DESCRIPTION

The **air tank plumbing** is not compliant to Federal Motor Vehicle Safety Standard (FMVSS) 121 Section 5.7.1. The 5/8" green and orange air hoses between the brake treadle valve and primary and secondary air tanks were possibly routed incorrectly. If a failure of the primary air circuit occurs with the incorrect hose plumbing, depressing the brake pedal will not actuate the brake chambers and could cause a **motor vehicle crash without warning**, possibly resulting in **property damage, personal injury, or death**.

MODELS INVOLVED

This campaign includes 4200, 4300, and 4400 family models built 8/27/2002 through 7/22/2003 with side-by-side air tanks (feature code: 504602) at the Escobedo Assembly Plant.

OWNER NOTIFICATION

International Truck and Engine Corporation will notify owners of this campaign on their vehicles. A copy of the owner letter is attached. 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.

PARTS INFORMATION

The parts required for this recall are as follows:

Part Number	Part Description	Quantity
417201C2	5/8" Nylon Tubing, Black	90.5 inches (7' 6-1/2") [2.3m]

Use shelf stock of tubing. If 417201C2 is ordered from the PDC, the dealer will receive a 50Ft (15.24m) roll. Dealer will only be reimbursed for quantity of tubing used, not for an entire roll.

SERVICE PROCEDURE

This service procedure is split into two (2) sections: an inspection and a hose replacement. Perform the inspection on all vehicles first to determine if a hose replacement and plumbing change is required.

INSPECTION PROCEDURE



WARNING:

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

1. Verify green and orange hoses are plumbed as indicated in Figure 1.

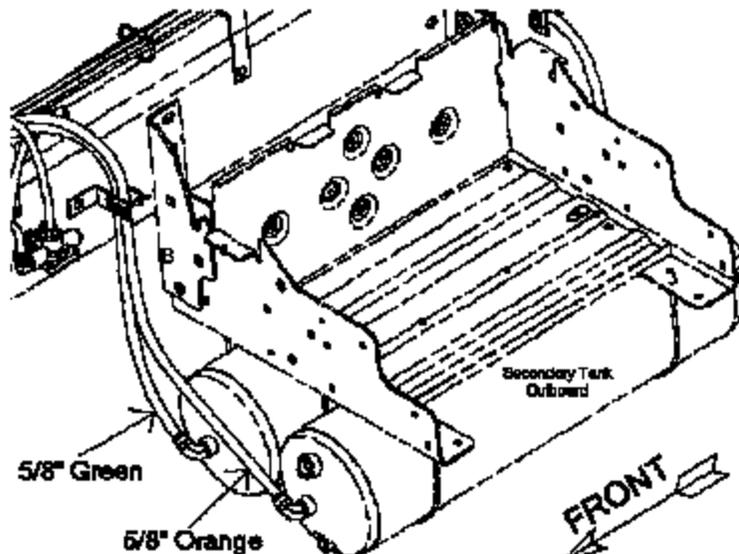


Figure 1

2. If tanks are plumbed according to Figure 1, then brake system is plumbed properly. **NO** hose replacement is required and the Recall is complete.
3. If tanks are *not* plumbed according to Figure 1 and are reversed, then continue on to **Hose Replacement Procedure**.

HOSE REPLACEMENT PROCEDURE

1. Completely bleed air systems to **0 psi (0 KPa)**.
2. Disconnect 5/8" orange tubing from inboard (primary) air tank.
3. Disconnect 5/8" green tubing from outboard (secondary) air tank and connect to inboard (primary) air tank. Trim hose as necessary and ensure the hose is clean at the new sealing area and is not kinked when installed. See Figure 1.
4. Loosen or remove all clipping on 5/8" orange tubing between air tanks and brake treadle (foot) valve.
5. Remove 5/8" orange tubing from brake treadle (foot) valve. See Figure 2 for Trucks and Figure 3 for Tractors.

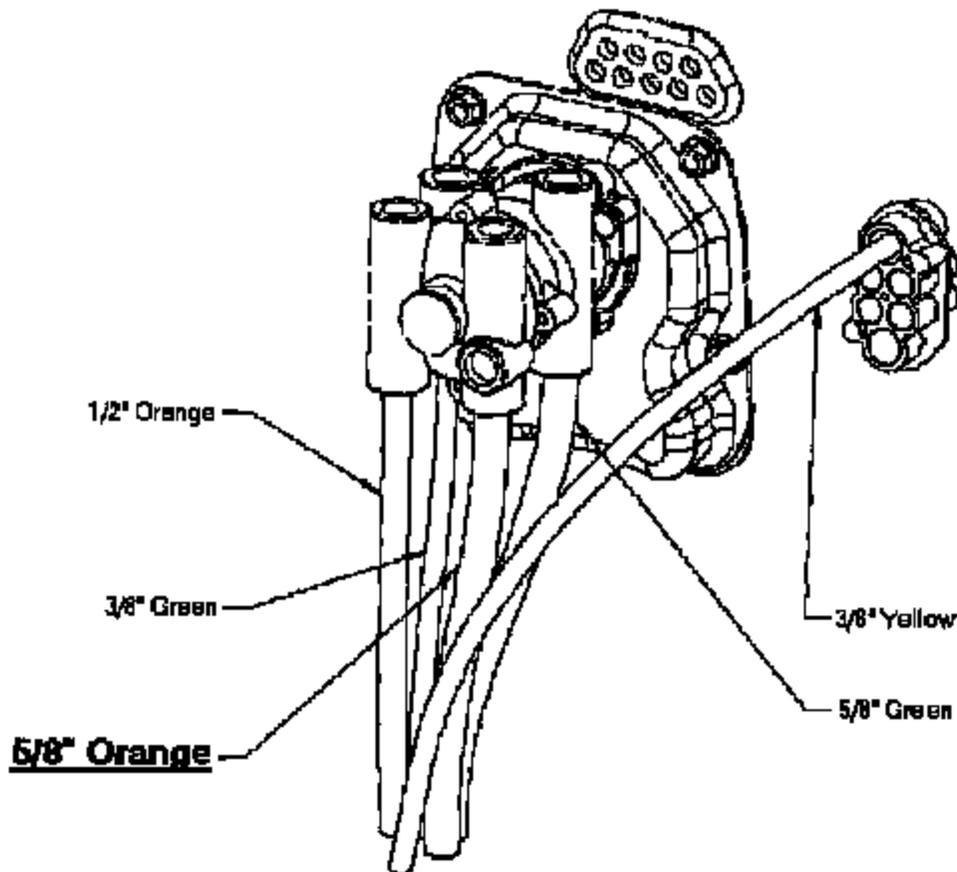


Figure 2 (Truck)

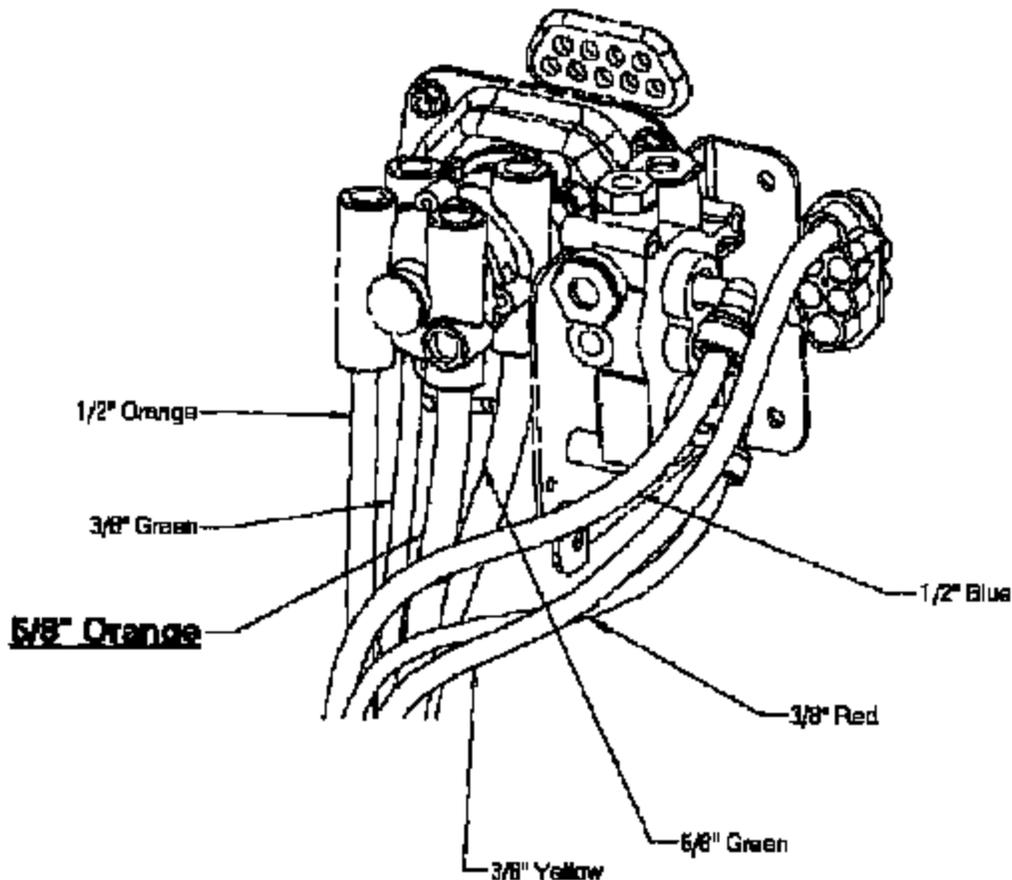


Figure 3 (Tractor)

6. Measure and cut 90.5" (2.3m) of 5/8" black bulk tubing and replace 5/8" orange. **Please ensure the cut is clean and even.**
7. Route and clip black tubing along the same path as the original orange tubing. Trim hose as necessary. Tighten or replace clipping as required. **Please ensure there are no kinks in the hose at any point in its routing.**
8. Connect to secondary or outboard air tank. See Figure 1.
9. Start vehicle to pressurize the system and check for leaks at the foot valve and tank connections. Repair as required.

END OF SERVICE PROCEDURE

LABOR INFORMATION

<u>Operation No.</u>	<u>Description</u>	<u>Time</u>
A40-03514-1	<i>Inspection Hose Routing ONLY</i>	0.3 hr
A40-03514-2	<i>Inspect and Install Hose ONLY</i>	0.8 hr

If the vehicle was inspected and found to have **correct** hose routing, use only operation A40-03514-1

If the vehicle was inspected and found to have **incorrect** hose routing, requiring the service procedure, use only operation A40-03514-2.

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.



DO NOT REMOVE

SERVICE RECORD

Campaign No.

VIN
Eng. #

COMPLETED

Service Location Code #

DO NOT REMOVE

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.

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 Recall Number						
NOUN: Leave Blank.						
C: (CAUSE) Enter either 1, 2, or 3.						
1. Inspected – no corrections necessary						
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.						

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