

SERVICE PROCEDURE

**G-08510
MARCH 2009**

**SUBJECT: SAFETY RECALL (U.S.)
TRAILER STEM FITTING on certain PROSTAR
models built 6/1/06 thru 10/15/08 and LONESTAR
models built prior to 10/15/08.**

DEFECT DESCRIPTION

The trailer service brake line that runs from the tractor protection valve to the fast brake module may separate from the fast brake module. If the trailer service brake line separation occurs the trailer service brakes would not apply which may result in a crash possibly causing property damage, personal injury, or death.

MODELS INVOLVED

This Safety Recall involves certain ProStar models built 6/1/06 thru 10/15/08 and LoneStar models built prior to 10/15/08.

PARTS INFORMATION

For vehicles built **6/1/06 thru 3/18/08:**

Part Number	Part Description	Quantity
8900210R91	Kit, Fast Brake Module Repair (w/ Coupling)	1

890021091 contains the following parts:

Part Number	Part Description	Quantity
2643447R2	½" Synflex Brake Tubing (Blue)	60"
530139C1	Extension Bracket	1
306132C1	Tie Straps	5
2601221C1	5/8" x ½" Brake Tubing Coupling	1
3590549C2	Fast Brake Module	1

For vehicles built **after 3/18/08**:

Part Number	Part Description	Quantity
8900211R91	Kit, Fast Brake Module Repair (wo/ Coupling)	1

890021191 contains the following parts:

Part Number	Part Description	Quantity
2643447R2	½" Synflex Brake Tubing (Blue)	60"
530139C1	Extension Bracket	1
306132C1	Tie Straps	5
3590549C2	Fast Brake Module	1

SERVICE PROCEDURE

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.**

WARNING!

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

Determine which Service Procedure to use.

Service Procedure	Use For	Page
1	Sleeper Cabs	3
2	Day Cabs	7

Service Procedure 1. Sleeper Cabs

S1-1 Park the vehicle on a hard level surface; Set the parking brake; Turn the engine off; Block the wheels.

Referring to Figure 1:

S1-2 Remove trailer emergency (red) and service (blue) coiled trailer hoses from fast brake module.

S1-3 Remove trailer emergency brake line (red) and trailer service brake line (blue) with stem adapter fitting (shown) or brass tubing coupling, as applicable, from fast brake module.

S1-4 Remove and replace fast brake module.

S1-5 Remove tie strap and tie strap saddle bracket that retains the trailer emergency and service brake lines.

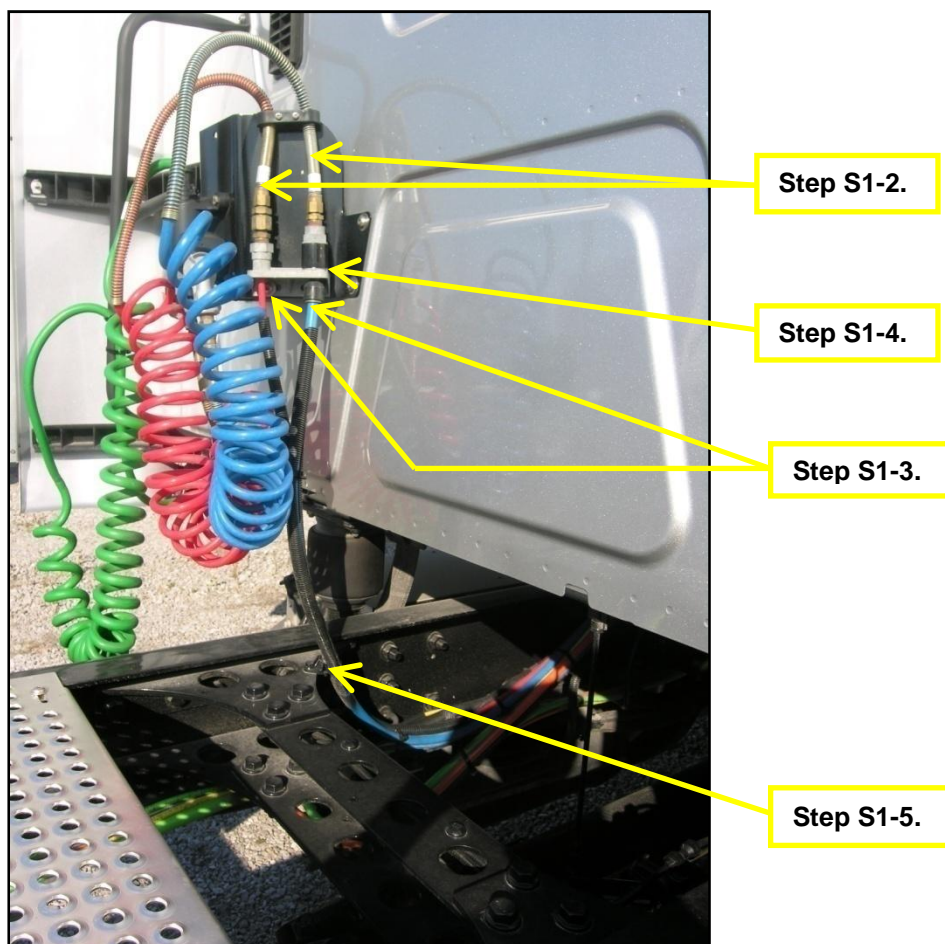


Figure 1.

Referring to Figure 2:

S1-6 Install extension bracket on left, rear, inboard cab mounting bolt. Torque cab mounting bolt to 122 N m (90 lb ft) upon reassembly.



Figure 2.

Referring to Figure 3:

S1-7 Install tie strap saddle bracket onto extension bracket.



Figure 3.

Referring to Figure 4:

S1-8 Cut tie straps rearward of frame mounted extension bracket to free trailer emergency and service brake lines.

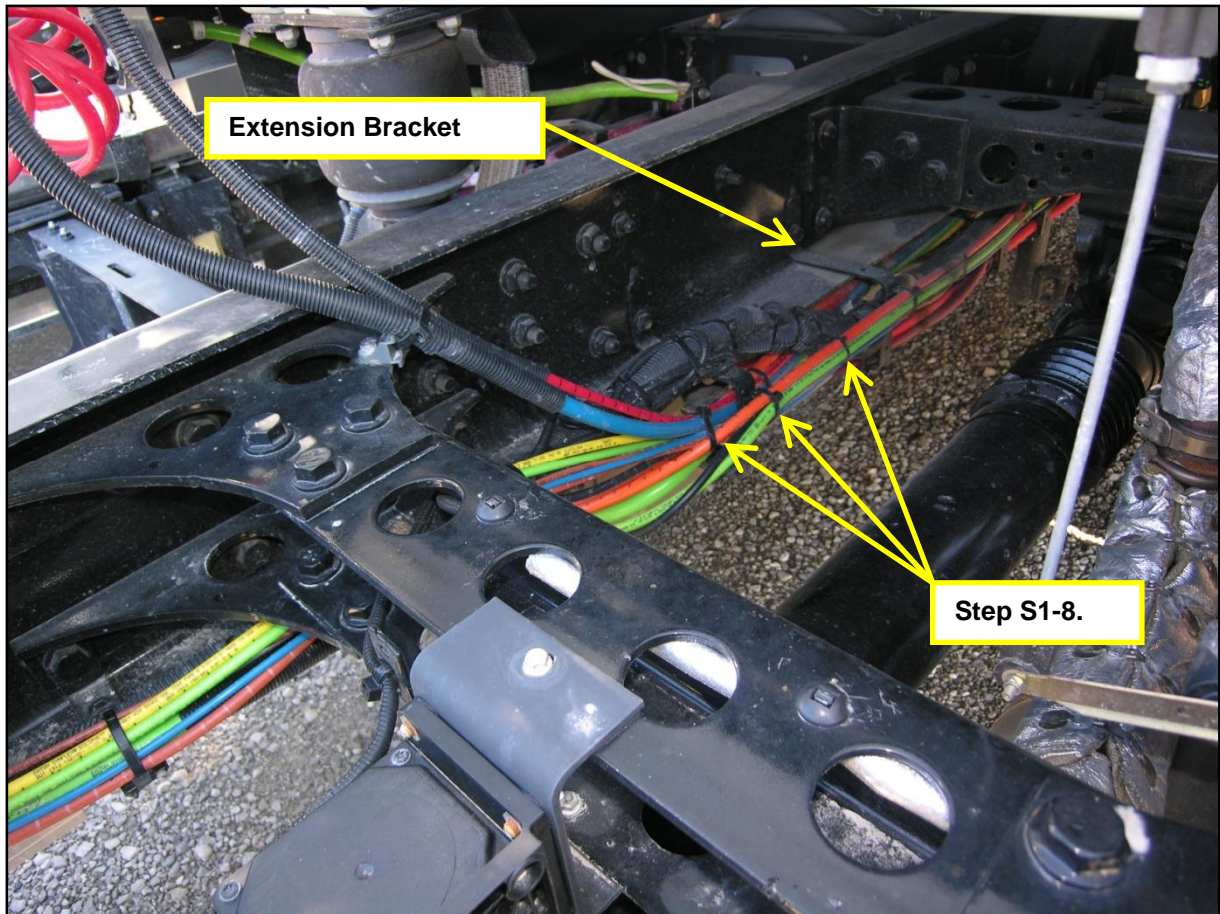


Figure 4.

SERVICE PROCEDURE CONTINUED ON NEXT PAGE

Referring to Figure 5.

S1-9 Approximately 24" forward of the back of the cab cut the blue 5/8" trailer service brake line, install the 5/8"x 1/2" brass coupling, and install the 60" of 1/2" brake tubing. Use two tie straps to tie the brass coupling securely to the trailer emergency brake line.

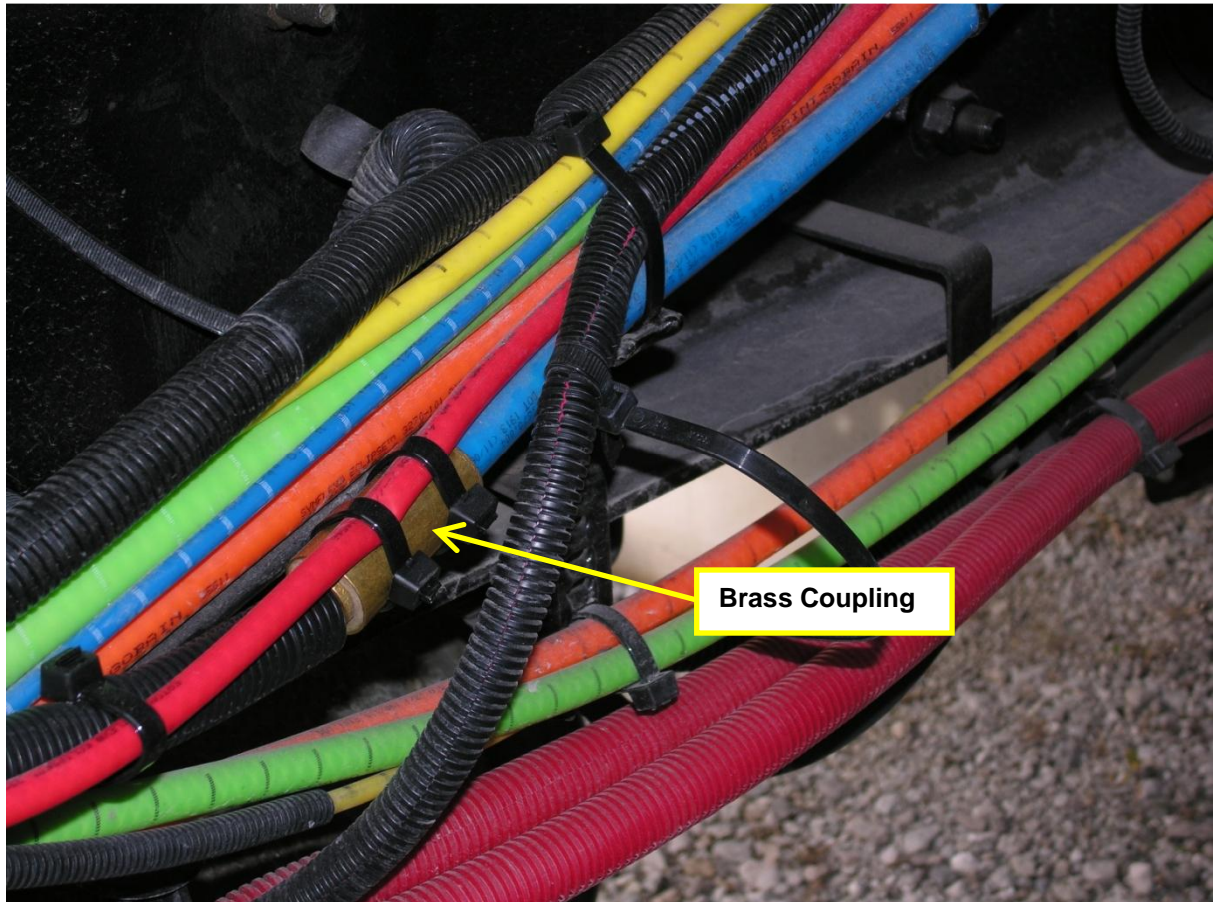


Figure 5.

SERVICE PROCEDURE CONTINUED ON NEXT PAGE

Referring to Figure 6:

S1-10 Route the trailer emergency and service brake lines with a generous radius to account for cab movement and attach them to the tie strap saddle bracket installed in step S1-7. Ensure that the lines will not rub on or catch on other components.

S1-11 Replace tie straps that were removed to free the trailer service and emergency brake lines. Ensure that air lines do not rub on any other components.

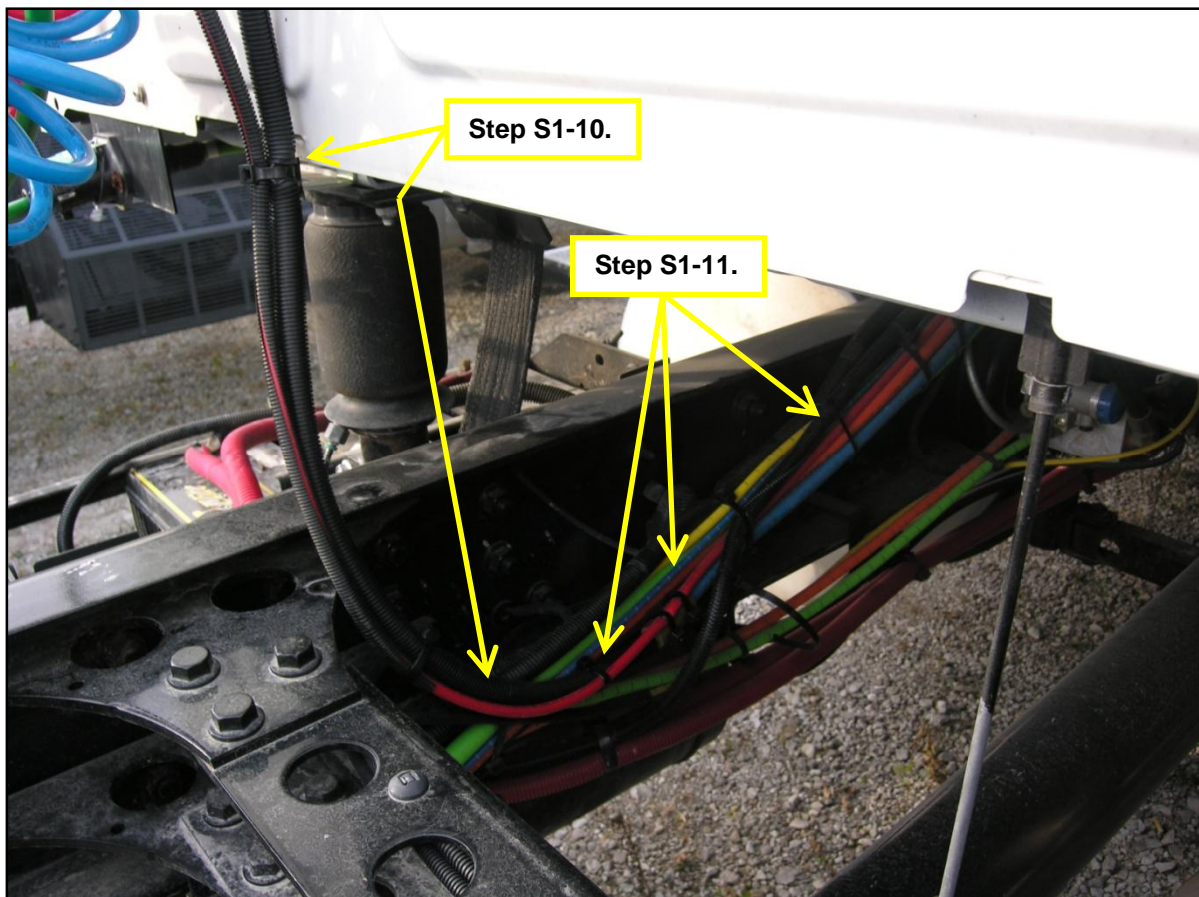


Figure 6.

SERVICE PROCEDURE CONTINUED ON NEXT PAGE

Referring to Figure 7:

S1-12 Cut trailer emergency and service brake lines to appropriate length and install in fast brake module.

S1-13 Install trailer emergency (red) and service (blue) coiled trailer hoses in the fast brake module.

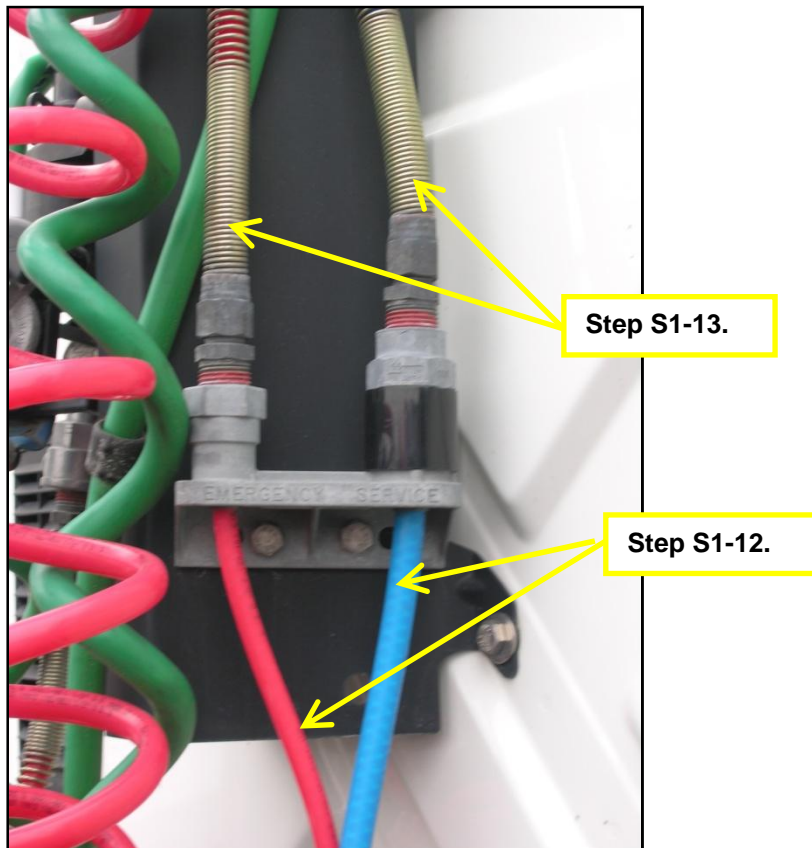


Figure 7.

S1-14. Check for air leaks by installing capped gladhands onto coiled air lines and pressurizing the trailer air brake circuit. Repair leaks as necessary.

SERVICE PROCEDURE CONTINUED ON NEXT PAGE

Service Procedure 2. Day Cabs

S2-1 Park the vehicle on a hard level surface; Set the parking brake; Turn the engine off; Block the wheels.

Referring to Figure 8:

S2-2 Remove trailer emergency (red) and service (blue) coiled trailer hoses from fast brake module.

S2-3 Remove trailer emergency brake line (red) and trailer service brake line (blue) with stem adapter fitting or brass tubing coupling (shown), as applicable, from fast brake module.

S2-4 Remove and replace fast brake module.

S2-5 Locate the empty mounting hole on the lower left of the back of cab.

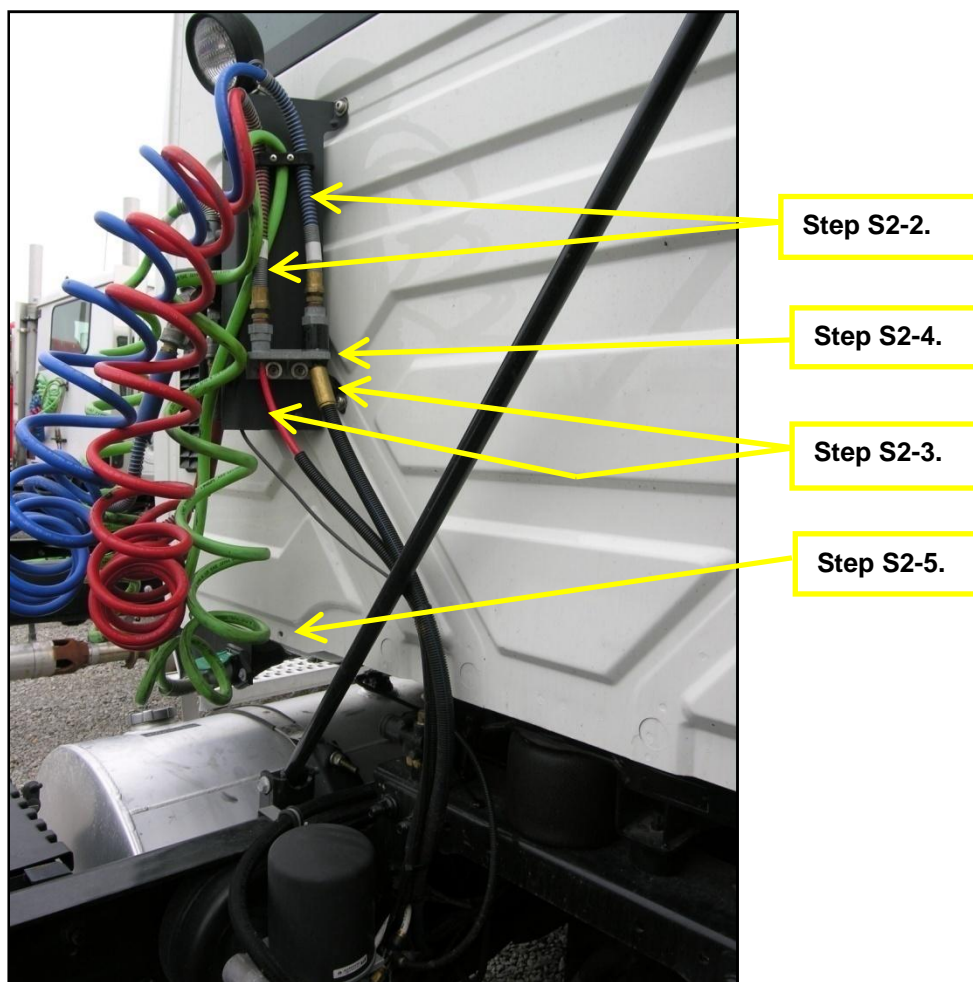
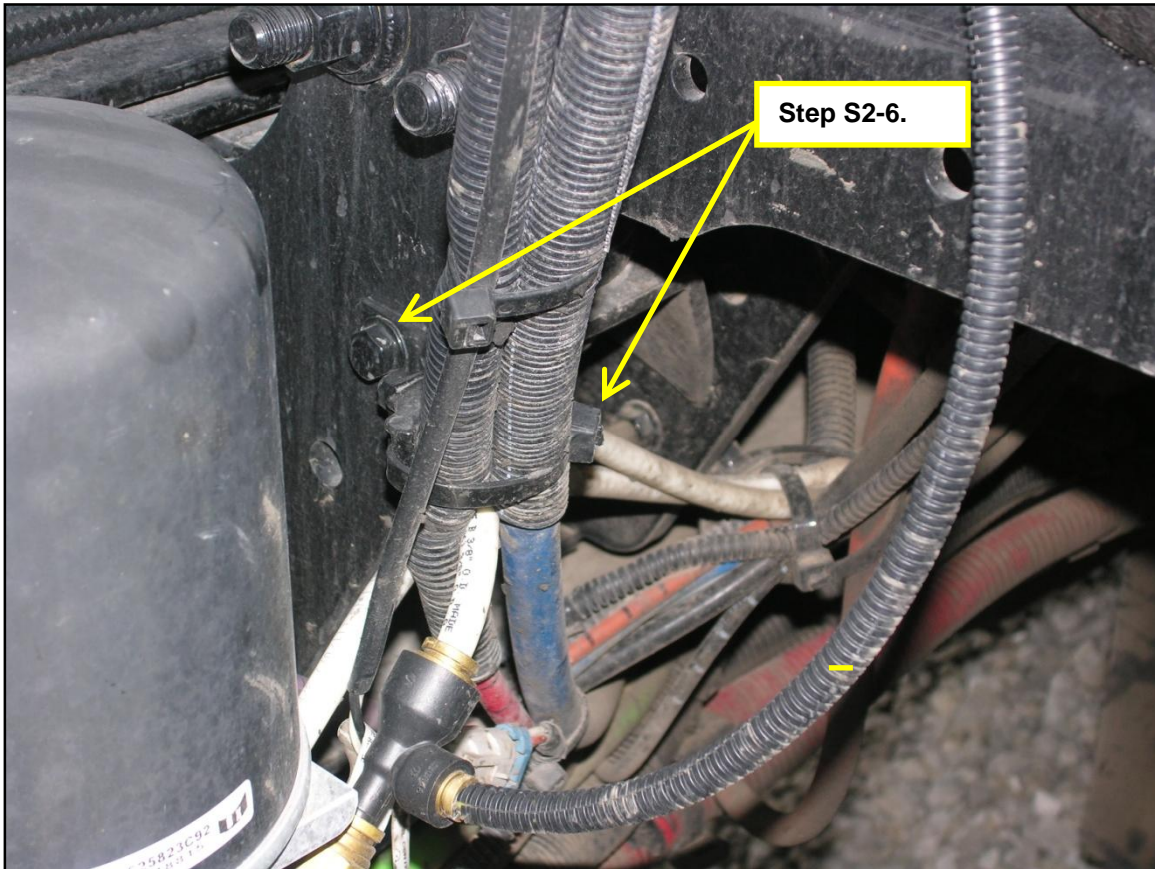


Figure 8.

Referring to Figure 9:

S2-6 Remove extension clip and tie strap saddle bracket that is attached to the cab rear crossmember and holds the trailer emergency and service brake lines.



SERVICE PROCEDURE CONTINUED ON NEXT PAGE

Referring to Figure 10:

S2-7 Install extension bracket and tie strap saddle bracket in mounting hole located in step S2-5.

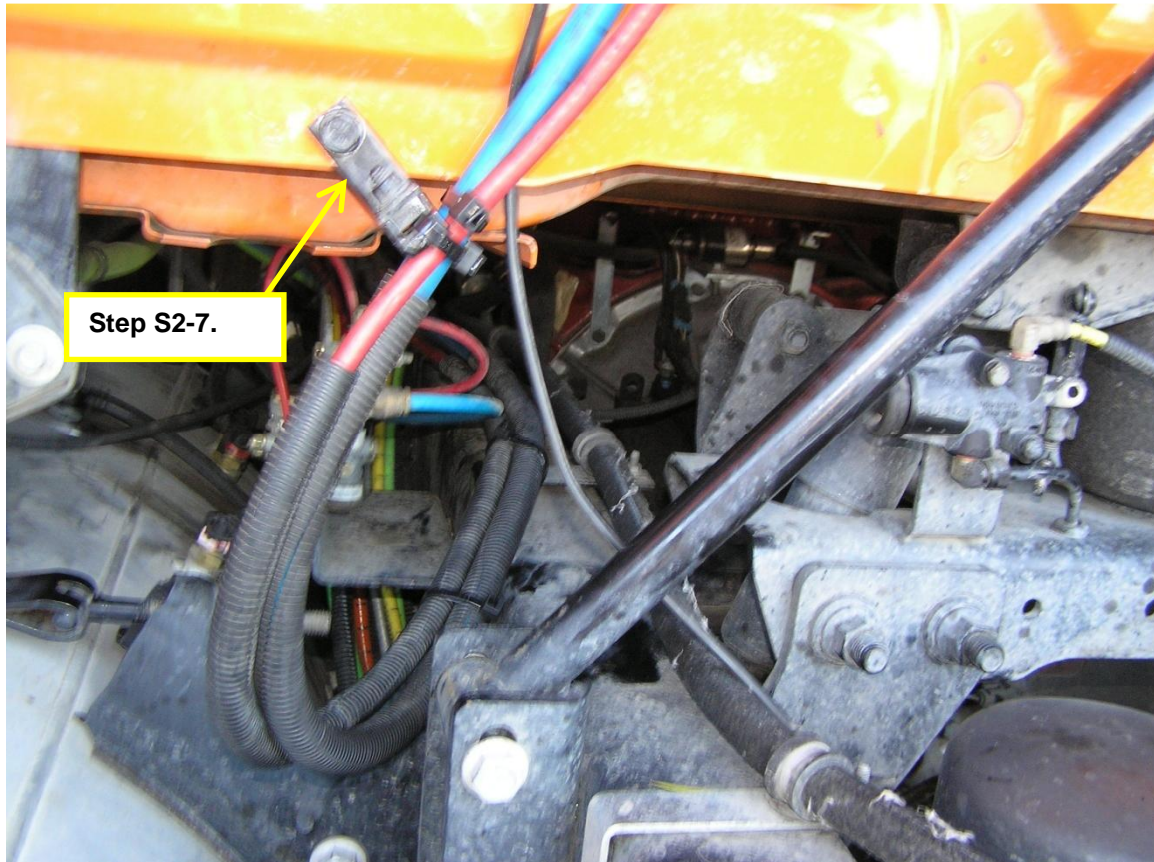


Figure 10.

SERVICE PROCEDURE CONTINUED ON NEXT PAGE

Referring to Figures 11 and 12:

S2-8 Locate air line bundle under cab that is routed down the outside of the left frame rail, then under the rail, and down the inside of the left frame rail. Cut the tie straps on the air line bundle to free the trailer emergency and service brake lines such that they may be rerouted down the outside of the left frame rail. With the trailer emergency and service brake lines freed, replace the tie straps taken off the air line bundle. Ensure air lines do not rub on any other component.

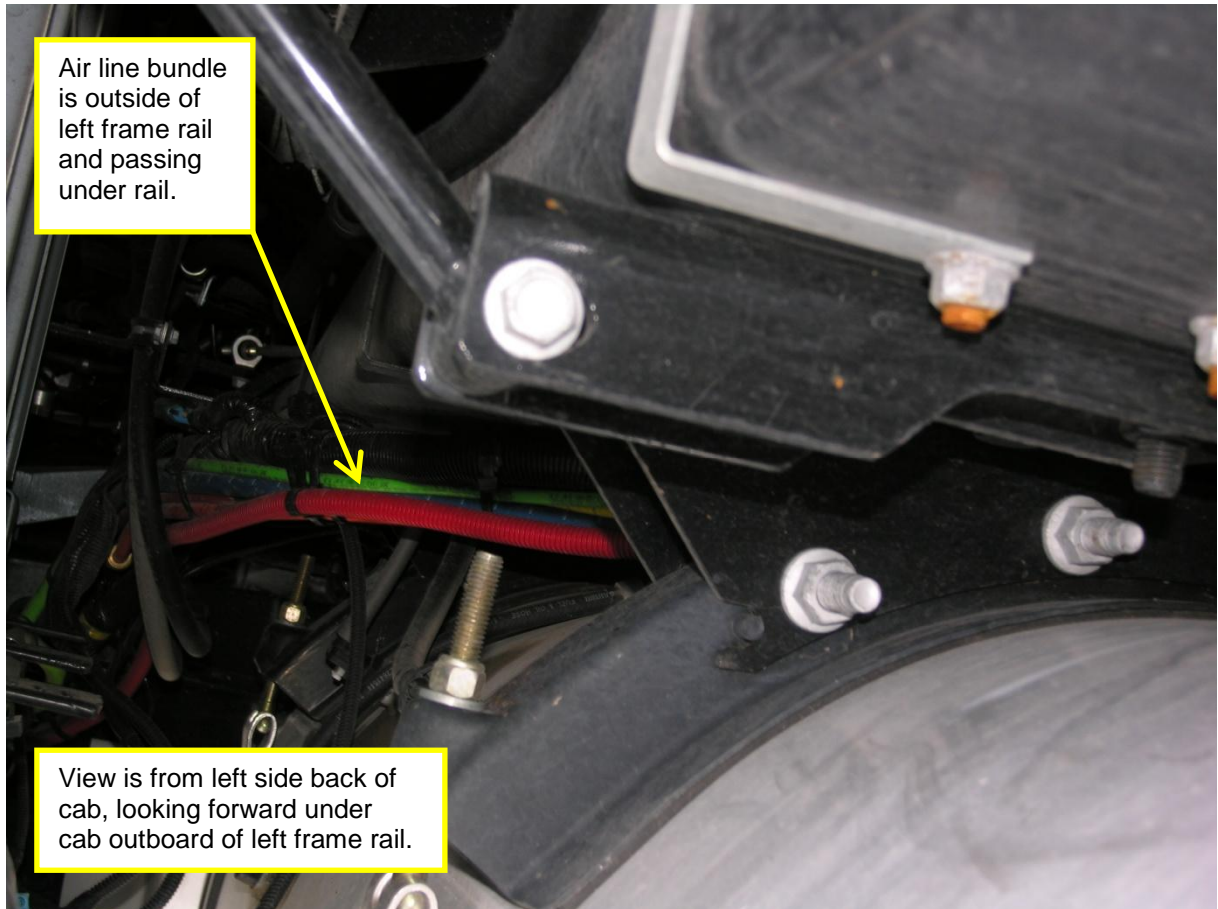


Figure 11.

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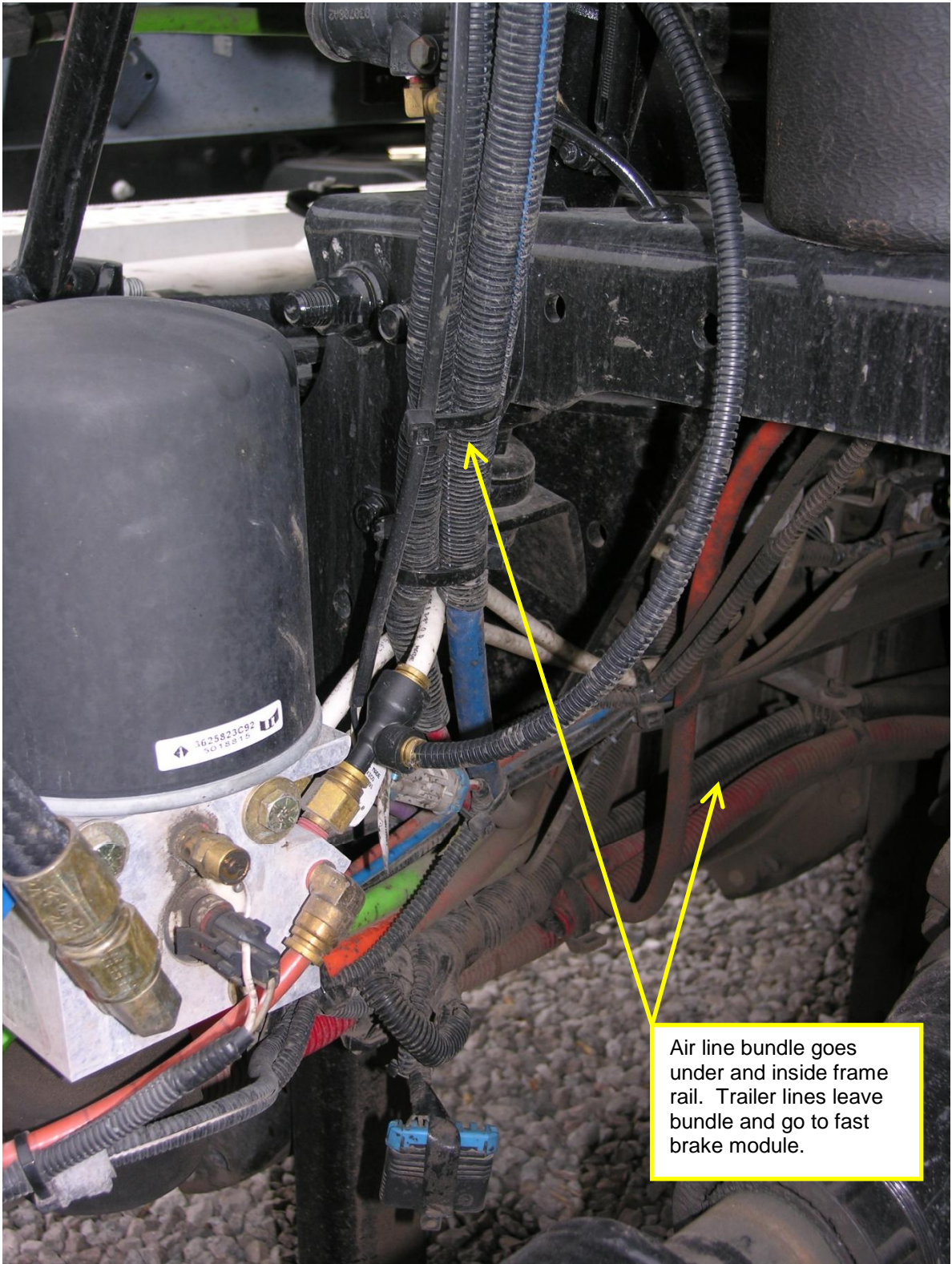


Figure 12.

SERVICE PROCEDURE CONTINUED ON NEXT PAGE

Referring to Figure 13:

S2-9 Route the trailer emergency and service brake lines down the outside of the left frame rail. Cut the blue 5/8" trailer service brake line such that when the 5/8"x 1/2" brass coupling is installed, the coupling can be tie strapped to an existing extension bracket. Install the brass coupling on the trailer service brake line, install the 60" of 1/2" brake tubing, and tie strap the brass coupling to a frame extension bracket.

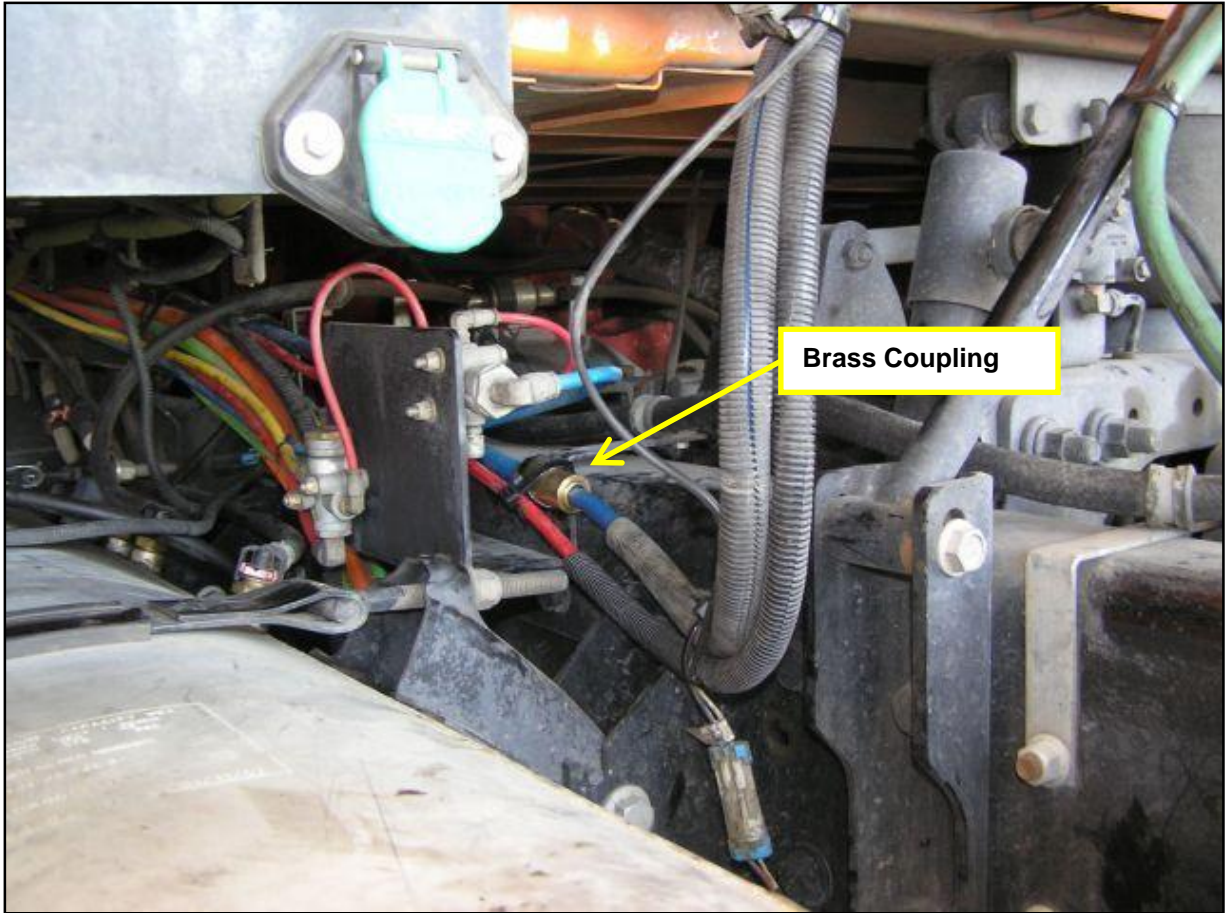


Figure 13.

SERVICE PROCEDURE CONTINUED ON NEXT PAGE

Referring to Figure 14 and 15:

S2-10 Tie strap the trailer emergency and service brake lines together as appropriate and route them to the saddle bracket installed in Step S2-7. Allow a generous radius in the tubing to account for movement of the cab. Ensure that the lines will not rub or catch any other component. Tie strap lines to the saddle bracket.

S2-11 Cut trailer emergency and service brake lines to appropriate length and install in fast brake module. Install trailer emergency (red) and service (blue) coiled trailer hoses in fast brake module.

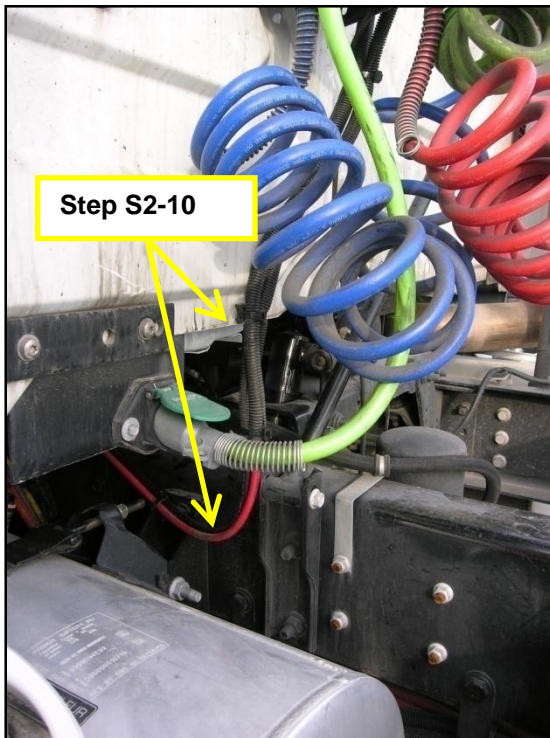


Figure 14.

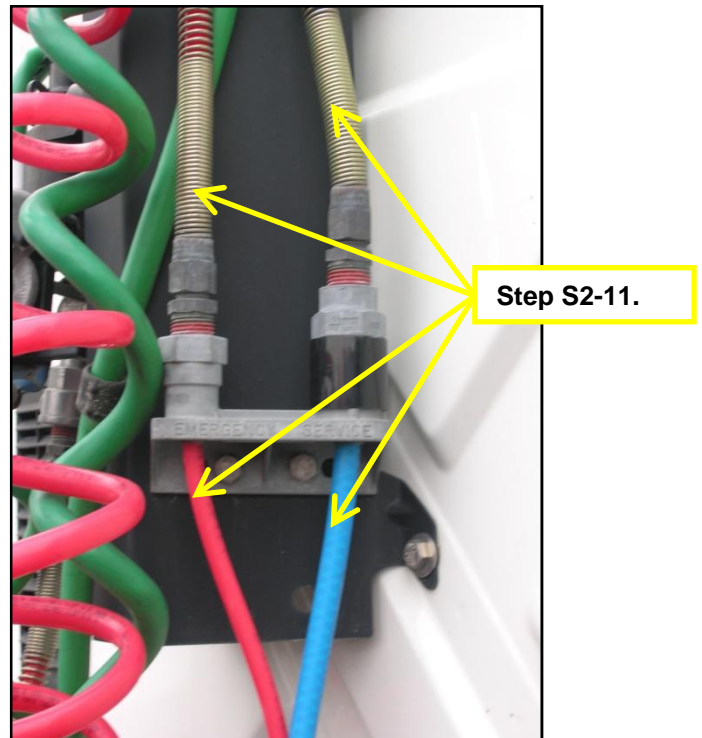


Figure 15.

S2-12 Check for air leaks by installing capped gladhands onto coiled air lines and pressurizing the trailer air brake circuit. Repair leaks as necessary.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-08510-1	Recall Repair – Sleeper Cab	0.7
A40-08510-2	Recall Repair – Day Cab	0.8

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
INTERNATIONAL
Campaign No. _____
VIN _____
Eng.# _____
COMPLETED
Service Location Code # _____
DO NOT REMOVE

ADMINISTRATIVE/DEALER RESPONSIBILITIES

UNITED STATES AND POSSESSIONS

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.

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.

Dealers should 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.

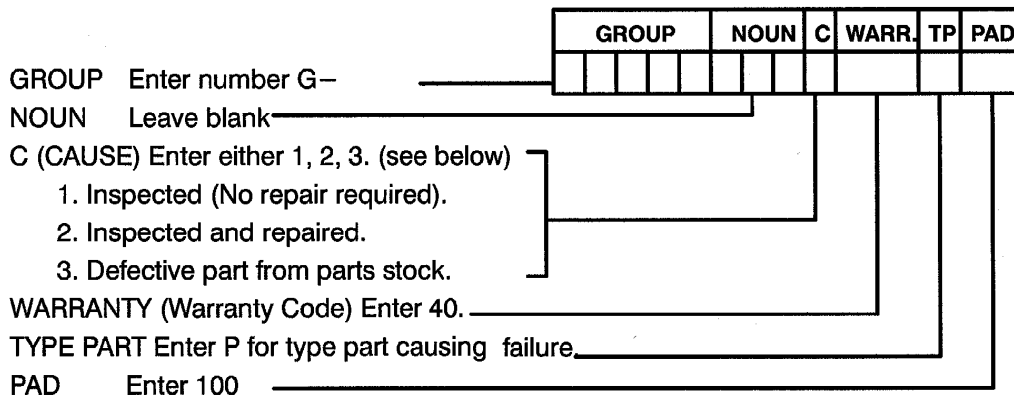
Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited 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:



EXPORT

Export Distributors should 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 distributor location.

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

Export Distributors are expected to provide full cooperation and follow-up with respect to this important subject matter. If you have any questions or need further assistance, please contact the Regional Service Manager at your regional office.

NAVISTAR, INC