

# ***SERVICE PROCEDURE***

13514  
OCTOBER 2013

**SUBJECT: SAFETY RECALL  
ELECTRONIC FIFTH WHEEL JAW RELEASE  
SYSTEM on certain LoneStar<sup>®</sup>, ProStar<sup>®</sup>, and  
TranStar<sup>®</sup> models built 20 February 2008 thru 29  
July 2013 with feature code 0595BAW or 0595BAY**

## **DEFECT DESCRIPTION**

On vehicles with the electronic fifth wheel jaw release system, the air lines at the isolation / vent valve may not be oriented correctly to the valve ports at the time of assembly. This condition does not affect normal operation or a primary failure of the air line but, should a secondary failure occur such as a major leak at the isolation / vent valve, it may be possible for the fifth wheel jaw to release without driver input. If the fifth wheel jaw releases without driver input, the trailer could release from the fifth wheel, increasing the risk of an accident or vehicle crash.

## **MODELS INVOLVED**

This Safety Recall involves certain LoneStar<sup>®</sup>, ProStar<sup>®</sup>, and TranStar<sup>®</sup> models built 20 February 2008 thru 29 July 2013 with feature code 0595BAW or 0595BAY.

## **PARTS INFORMATION**

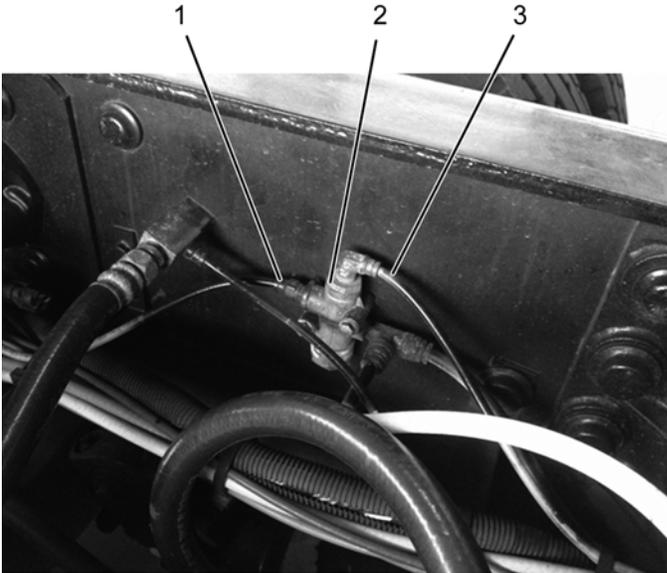
<b>Part Number</b>	<b>Part Description</b>	<b>Quantity</b>
Source locally	1/4-in. nylon air line, if needed	As needed
Source locally	Union; 1/4-in. nylon air line, if needed	1

## **SERVICE PROCEDURE**

**WARNING!** PARK VEHICLE ON HARD FLAT SURFACE, TURN THE ENGINE OFF, SET THE PARKING BRAKE AND BLOCK THE WHEELS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND / OR DEATH.

**WARNING!** ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND / OR DEATH.

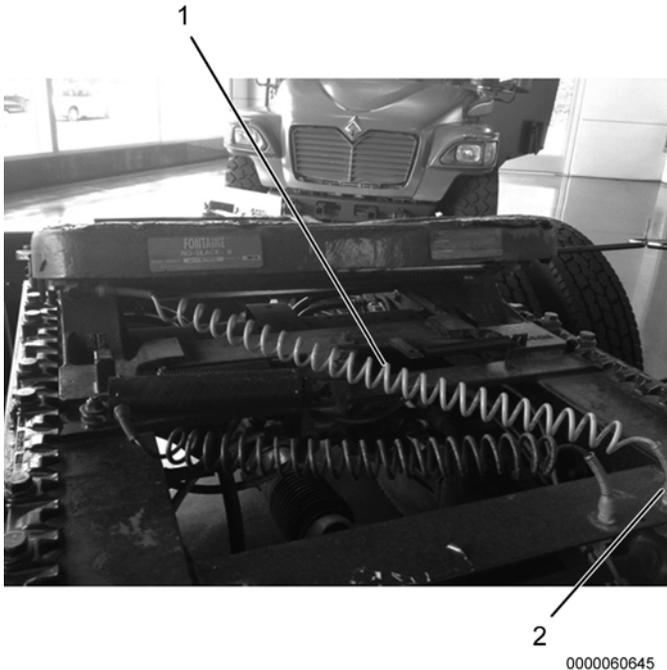
1. Bring vehicle into shop and park on a flat surface with wheels straight ahead.
2. Shift transmission to park or neutral and set parking brakes.
3. Install wheel chocks.



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**Figure 1. Jaw Release System TR-3 Valve.**

1. Delivery line to fifth wheel jaw
  2. Jaw release system TR-3 valve
  3. Supply line from air solenoid pack
4. Locate jaw release system TR-3 valve (Figure 1, Item 2) mounted inside left frame rail, in front of fifth wheel.

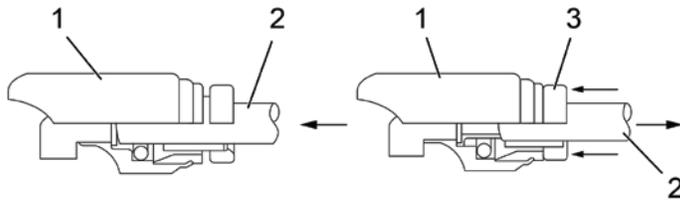


**Figure 2. Jaw Release System Actuator Coiled Line Fitting.**

1. Delivery line
2. Jaw release system actuator coiled line fitting

**NOTE: Vehicles with electronic jaw release system will have two coiled lines - one for the slide release and one for the jaw release. This procedure applies only to the jaw release system purple line.**

5. Identify 1/4-in delivery line (Figure 1, Item 1) that connects to delivery port of jaw release system TR-3 valve (Figure 1, Item 2), and trace it to confirm that it is connected to jaw release system actuator coiled line fitting (Figure 2, Item 2).
  - a. If jaw release system TR-3 valve (Figure 1, Item 2) delivery line (Figure 1, Item 1) is confirmed to be connected to jaw release system actuator coiled line fitting (Figure 2, Item 2), system is correctly connected. Use a yellow paint marker and apply witness marks to delivery line (Figure 1, Item 1), supply line (Figure 1, Item 3), and jaw release system TR-3 valve (Figure 1, Item 2). Proceed to Step 14.
  - b. If jaw release system TR-3 valve (Figure 1, Item 2) delivery line (Figure 1, Item 1) is not connected to jaw release system actuator coiled line fitting (Figure 2, Item 2), system is INCORRECT. Proceed to Step 6.



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**Figure 3. Line Replacement.**

1. Fitting
2. Tube
3. Button

6. Remove supply line (Figure 1, Item 3) and delivery line (Figure 2, Item 1) from jaw release system TR-3 valve (Figure 1, Item 2) fittings by pressing button (Figure 3, Item 3), hold against body, and pull tubing (Figure 3, Item 2) out of fitting (Figure 3, Item 1).
7. Check that supply and delivery ports of jaw release system TR-3 valve (Figure 1, Item 2) and mating tubing is clean and free of debris.

**NOTE: If existing line from the jaw release system actuator is too short to connect to delivery port, replace line with new line of sufficient length. If existing line from solenoid pack to supply port is too short, install a union and additional line.**

**NOTE: Using Parker Tube Cutter PTC-001, cut tubing squarely. Maximum of 15° angle allowable.**

**NOTE: Ensure any new line installed is routed and clipped same as original installation.**

8. Insert delivery line from jaw release actuator coiled line fitting (Figure 3, Item 2) into delivery port of jaw release system TR-3 valve fitting (Figure 3, Item 1), pushing twice to make sure that tubing is inserted past collet and O-ring.
9. Pull on tubing to make sure tubing is fully inserted.
10. Insert supply line (Figure 1, Item 3) from vehicle solenoid pack into supply port of jaw release system TR-3 valve (Figure 1, Item 2), pushing twice to make sure that tubing is inserted past collet and O-ring.

11. Pull on tubing to make sure tubing is fully inserted.
12. Use a yellow paint marker and apply witness marks to delivery (Figure 1, Item 1) and supply (Figure 1, Item 3) lines and jaw release system TR-3 valve (Figure 1, Item 2).
13. Confirm proper operation of fifth wheel jaw release system by performing a jaw lock / release cycle.
14. Remove wheel chocks.

## **END OF SERVICE PROCEDURE**

### **LABOR INFORMATION**

<b>Operation Number</b>	<b>Description</b>	<b>Time</b>
A40-13514-1	Inspection only. No repair required.	0.2 hr
A40-13514-2	Inspect and correct air line routing	0.3 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.

**DO NOT REMOVE**

**INTERNATIONAL**

Campaign No. \_\_\_\_\_

VIN \_\_\_\_\_

Eng.# \_\_\_\_\_

**COMPLETED**

Service Location Code # \_\_\_\_\_

**DO NOT REMOVE**

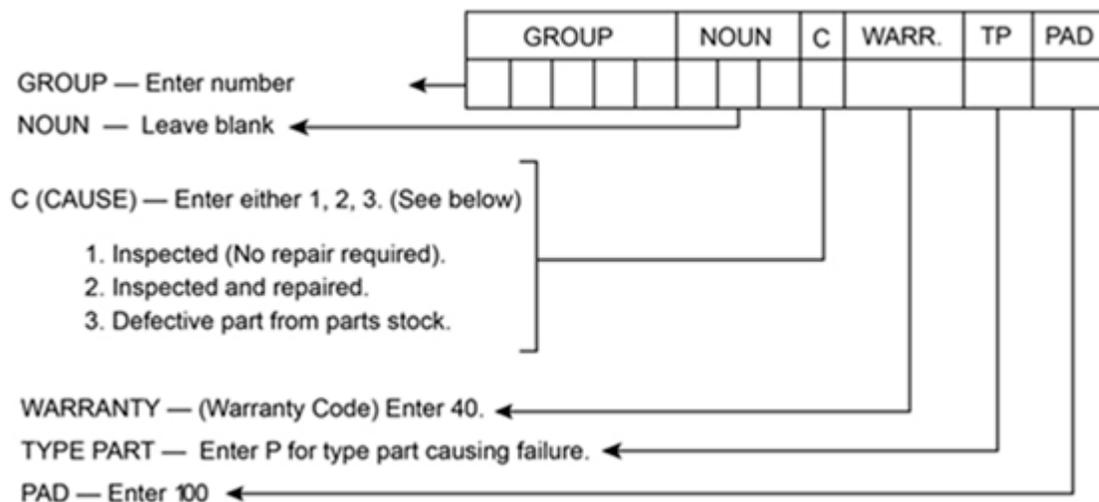
## **ADMINISTRATIVE / DEALER RESPONSIBILITIES**

### **WARRANTY CLAIMS**

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Safety Recall 13514.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

As with all claim submission, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.



### **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.

## **CANADA**

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.

## **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.**