



VEHICLE RECALL

G-00513
October, 2000

SUBJECT: SAFETY RECALL (U.S., EXPORT)
TRW Drag Links On Certain 1000, 2000, 3000, FE bus, RE bus, 4000 and 8000 model series built from 7/5/1999 through 10/31/1999.

DEFECT DESCRIPTION

Certain TRW drag links were produced with less than specified material hardness, which can result in separation of the ball stud from the ball socket. The drag links must be inspected for the suspect date codes and replaced if built within the suspect date codes provided in the Service Procedure. If a drag link ball stud separates from the ball socket, the driver could experience a loss of steering control and **cause a vehicular accident, which could result in property damage, personal injury, or death.**

MODELS INVOLVED

This Safety Recall involves certain 1000, 2000, 3000, FE bus, RE bus, 4000 and 8000 model series built from 7/5/1999 through 10/31/1999.

OWNER NOTIFICATION

International Truck and Engine Corporation will notify owners of these vehicles about this campaign. 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 since 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.

SERVICE PROCEDURE

REQUIRED

DATE CODE INSPECTION: The date code can be found on either one of the end covers near the grease zerk or on the drag link bar near the part number stamp. If the date code is on both the ends and the bar, the code on the ends should be used as the determining code. Replace the drag link if the date code is one of the following date codes: **9G1, 9G2, 9G3, 9G4, 9H1, 9H2, 9H3, 9H4, 9H5, 9J1, 9J2, 9J3 or 9J4**. The date code must start with a 9 and match one of the codes above to require replacement of the drag link(s) under this campaign. If the date codes found are not listed above, no further repair is required.

REMOVING THE DRAG LINK: This procedure is for both fixed and one-end adjustable drag links and includes adjusting instructions for the adjustable drag links. If the vehicle has dual steer repeat the inspection and if necessary, the replacement procedure for both drag links.

1. Park the vehicle on level ground, steer the front tires straight ahead, set the parking brake and shut off the engine.
2. **WARNING:** Block the wheels to prevent the vehicle from moving. If the vehicle rolls unexpectedly, the result could be serious personal injury or death.
3. Note the position of the drag link and remove it from the vehicle if determined necessary from the “**DATE CODE INSPECTION**” above.
4. For adjustable end drag links, note or mark the steering wheel position.
5. For adjustable end drag links, note the position of the end and the tube clamp.
6. For adjustable end drag links, measure the total length of the original assembly and adjust the new drag link assembly to the same length and tighten the clamp in the position noted in step 5.

INSTALLING THE DRAG LINK: This procedure is for both fixed and one-end adjustable drag links. If the vehicle has dual steer repeat the procedure for both drag links.

1. Make sure the pitman arm hole, steering arm hole and ball stud surfaces are clean.
2. Install the new drag link and torque the ball stud nuts to **100-125 ft-lbs**. If the cotter pins cannot be installed, tighten the castle nuts to the next opening (do not back off), install the cotter pins and bend pins to the locking position.
3. For adjustable end drag links, check the alignment of the steering wheel with the wheels in the straight-ahead position and adjust the drag link end as necessary to properly align the steering wheel for the straight-ahead position. One rotation of the drag link end is equal to approximately 8 degrees rotation at the steering wheel.
4. For adjustable end drag links, torque the tube clamp to **40-60 ft-lbs**.
5. Grease both ends of the drag link.

PART INFORMATION

Use **TABLE 1** (on page 3) to determine the drag link part number(s) required for each vehicle. You will need the model number, steering gear code, and the front axle code to read across the table to obtain the International drag link part number(s).

TABLE 1: DRAG LINK APPLICATION TABLE

MODELS	STRG CODE	AXLE CODE	INT'L P/N	
8100	05PRH	02ADC	1661437C92	USE: FDL1214
	05PRJ	02ADD, 02ADE, 02AED, 02ARA 02ARK	1661437C92	USE: FDL1214
		02ADG, 02ADT	532892C91	
	05PSA, 05PSH	02ARA,02ARK, 02AED,02250	1614795C91	
		02ADC, 02ADD, 02ADP	1661437C92	USE: FDL1214
		02ADE	1661437C92	USE: FDL1214
	05PTA	02231, 02ADH	1661437C92 1667329C91	LEFT: FDL1214 RIGHT
	05PTB	02232, 02ADJ	480645C92 1667329C91	LEFT: FDL979 RIGHT
4700, 1652 SC	05PRG	02ADL	532892C91	
3800, 4700, 4900	05PRH	02ADC, 02ARN, 02ADL, 02ADX	1661437C92	USE: FDL1214
	05PRJ	02ADD, 02ADE, 02227, 02ARM, 02ARP, 02ASA	1661437C92	USE: FDL1214
4900	05PRJ	02ADH	1667556C91	
4700, 4900	05PSA	02AEK, 02AEL	1667556C91	
	05PSA	02ADD, 02ADE, 02ADN 02AED,02AEG	1661437C92	USE: FDL1214
4700, 4900	05PTA	02231, 02ADH	1661437C92 1667329C91	LEFT: FDL1214 RIGHT
3000 FE Bus	05PRJ	02ADD, 02ADE	2200048C91	
RE Bus, RE CMRCL 3000 RE	05PRJ	02ADD 02ADE	2028818C91 3511195C91	
4800, 4900	05PRH	02064	1667556C91	
	05PTA	02EYH, 02EYE, 02EZE, 02EZG	1661437C92 2006941C1	LEFT: FDL1214 RIGHT
2554, 2574, 2500 GLDR	05PRH	02ADC	1661437C92	LEFT: FDL1214
	05PRJ	02ADD,02ADE 02ADN,02ARA	1661437C92	USE: FDL1214
	05PSA	02ADD, 02ARA, 02ADE	1661437C92	USE: FDL1214
	05PTA	02231, 02ADH	1661437C92 1667329C91	LEFT: FDL1214 RIGHT
	05PTB	02232, 02233, 02ADJ, 02ADK	480645C92 1667329C91	LEFT: FDL979 RIGHT
2654, 2674, 2604 GLDR	05PSA	02ADD, 02ARA, 02ADE	1667453C92	
	05PTA	02231, 02ADH	1664846C92	RIGHT
	05PTB	02232, 02233, 02ADJ, 02ADK	1664846C92	RIGHT

LABOR INFORMATION

Note: Only one labor operation can be submitted per warranty claim.

<u>Operation Number</u>	<u>Description</u>	<u>Time</u>
A40-00513-1	Inspection only	0.2 hrs
A40-00513-2	Inspect and replace one drag link	0.9 hrs
A40-00513-3	Inspect and replace two drag links	1.4 hrs

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with Campaign letter **G-00513** will require a CTS-1075 Campaign Identification Label.

Attach the CTS-1075 label 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, 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.

In order to avoid having to replace an owner vehicle or refund the purchase price less a reasonable allowance for depreciation, 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 00513					
NOUN: Leave Blank.					
C: (CAUSE) Enter either 1, 2, or 3.					
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.					

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, 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 Recall letter G-00513.

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