



VEHICLE RECALL

G-01504
March, 2001

SUBJECT: SAFETY RECALL (U.S., EXPORT)
TRW Drag Links With 24-DL Size Ball Sockets On
Certain 2000, 4000, 5000 and 9000i model series, built
from 7/16/1999 through 9/1/1999.

DEFECT DESCRIPTION

Some TRW drag links, with 24-DL size ball sockets and date codes 9G2 or 9G3, 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 with one of the suspect date codes. 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 2000, 4000, 5000 and 9000i model series built from 7/16/1999 through 9/1/1999.

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 **9G2 or 9G3**. If the date code is not a 9G2 or a 9G3, no further repair is required.

For dual steering geared vehicles, reference TABLE 1 to see if both or only one of the drag links is involved in this recall. There are two different TRW ball socket sizes being recalled, 20-EDL size in Safety Recall 00513 and the 24-DL size in Safety Recall 01504. The vehicles may have two of the same type or one of each. If the vehicle has two drag links with 24-DL ball sockets, they are both part of this Safety Recall 01504. If the vehicle has one drag link with the 20-EDL ball socket, check to see if Safety Recall 00513 needs to be completed. Perform the service procedure for 00513 if necessary.

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. For adjustable end drag links, note and mark the steering wheel position.
4. For adjustable end drag links, note the position of the end and the tube clamp.
5. Remove the drag link from the vehicle, if determined necessary from the “**DATE CODE INSPECTION**” above.
6. For adjustable end drag links, measure the total length of the original assembly, adjust the new drag link assembly to the same length and tighten the clamp in the position noted in step 4.
7. Do not return the defective parts, destroy and recycle the defective parts locally.

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 tighten the ball stud nuts to **100-125 Lbf-Ft** for ball studs with sliding seals or **200-250 Lbf-Ft for ball studs with anti-tilt seals (refer to TABLE 1 for torque by part number and ball stud)**. 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, set the alignment of the steering wheel to the previously marked position and adjust the drag link end as necessary to properly align. 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 Lbf-Ft**.
5. Grease both ends of the drag link.
6. Do not return the defective parts, destroy and recycle the defective parts locally.

PART INFORMATION

Use **TABLE 1** below to determine the drag link part number(s) required for each vehicle. You will need the model code, steering gear code, and sometimes the front axle code to read across the table to obtain the International drag link part number(s). For the vehicles with dual steering gears that have only one drag link shown below, check to see if 00513 needs to be completed for the other drag link at this time.

TABLE 1: DRAG LINK APPLICATION TABLE

MODELS CODES	STRG CODE	INT'L P/N	INSPECT	TORQUE: Lbf-Ft	
				GEAR END	AXLE END
D30570,D31070,D31570, D31870,DF5570,DF5670, DG5570,DG5670,DR5570, DR5670,DW5670,DX5570, DX5670,DY5670,DZ5670	05PTB Dual gear	1652578C91 1652578C91	LEFT & RIGHT	100-125	100-125
	05PUA Dual gear	1652578C91 1652578C91	LEFT & RIGHT	100-125	100-125
D31170, D32170	05PTB Dual gear	1652578C91 1652578C91	LEFT & RIGHT	100-125	100-125
	05PUA Dual gear	1652578C91 1652578C91	LEFT & RIGHT	100-125	100-125
SA2654, SA2674,SF2654, SF2674,SG2604	05PTA Dual gear	1664845C92	DUAL GEAR, LEFT ONLY	100-125	100-125
	05PTB Dual gear	1664845C92	DUAL GEAR, LEFT ONLY	100-125	100-125
SR4854,SX4954	05PRJ Single gear	1667662C91	SINGLE GEAR, LEFT ONLY	100-125	100-125
L91170,L91270,L91370, L26570,L27570,L27770, L92170,L92270,L92370, L20570,L21570,L21770, L94170,L94270,L94370	05PRJ,05PSA Single gear	3500966C91	SINGLE GEAR, LEFT ONLY	100-125	100-125
	05PTB Dual gear	3500966C91 3501116C91	LEFT & RIGHT	200-250 200-250	100-125 100-125
L20370,L21370,L21670, L29370,L29670,L93170, L93270,L93370,L93570, L93670	05PSA Single gear ALL AXLES EXCEPT 02AED & 02AEG	3519331C91	SINGLE GEAR, LEFT ONLY	100-125	100-125
	05PRJ Single gear ALL AXLES EXCEPT 02AED & 02AEG	3519331C91	SINGLE GEAR, LEFT ONLY	100-125	100-125
	05PTB Dual gear	3519331C91 3528838C91	LEFT & RIGHT	100-125 100-125	100-125 100-125
	05PRJ,05PSA Single gear WITH 02AED OR 02AEG	3523195C91	SINGLE GEAR, LEFT ONLY	100-125	100-125

LABOR INFORMATION

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

<u>Operation Number</u>	<u>Description</u>	<u>Time</u>
A40-01504-1	Inspection only	0.2 hrs
A40-01504-2	Inspect and replace one drag link	0.9 hrs
A40-01504-3	Inspect and replace two drag links	1.4 hrs

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with
Campaign letter **G-01504** 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 01504	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-01504**.

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