

## TRW Drag Link

VNL, VNM

### RVXX1003, TRW Drag Link

On certain model year 2001 through 2006 trucks equipped with a TRW sealed (i.e. non-greasable) drag link, certain factors can exist, which if left untreated may result in a ball socket separation. Ball socket separation at the drag link results in complete loss of steering and therefore can result in a vehicle crash.

Repair will involve inspection of the drag link to determine if a TRW brand sealed type (TRW is stamped in the bottom of the ball socket) and replacement are required. If a TRW sealed drag link is found, the part will be replaced with a greasable drag link, part number 85128559. If the drag link is not TRW type, a free inspection will be provided, however owner would be responsible for any replacement expenses.

#### Causal P/N 8079525



Causal parts have  
"TRW" inscription and  
has two raised rings, as  
shown.

## **Inspection:**

1. Park the vehicle on a level surface with the transmission in neutral and wheels chocked.
2. Turn the steering wheel to a full right or left position.

**NOTE**

Turning the steering wheel to a full right or left position allows the technician to visually see the inscription on the ball joint and check for damage to the ball joint sealing boot.

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3. Check for looseness at the ball socket by pushing and pulling on the drag link in the axial direction.
4. Check the drag link ball joint sealing boot for damage and check for the TRW inscription on the ball joint.

**NOTE**

If a TRW sealed drag link is found, proceed to the Replacement Procedure that follows.

If a torn boot or looseness is found in the ball socket of a non-TRW drag link, inform the owner that replacement is required and that they are responsible for the replacement. If the customer/owner refuses to have it replaced, make a note in the comments section of the claim for the inspection.

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## Replacement Procedure:

You must read and understand the precautions and guidelines in Service Information, Group 60, "General Safety Practices Wheel Suspension and Steering" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

5. Park the vehicle on a level surface with the transmission in neutral and wheels chocked.
6. Remove the cotter pins from the castle nuts at the steering knuckle and pitman arm.
7. Remove the castle nuts at the steering knuckle and pitman arm.
8. Remove the drag link.
9. Connect the new drag link PN85128559 at the steering knuckle. Tighten the castle nut to specification, which is 200 Nm (148 ft-lb) and then turn to next slot to align the cotter pin. Install the cotter pin.
10. Connect the new drag link at the pitman arm. Tighten the castle nut to specification, which is 200 Nm (148 ft-lb) and then turn to next slot to align the cotter pin. Install cotter pin.

### NOTE

Properly adjust the length of the drag link before tightening the castle nuts to specification. The approximate length is 801 mm (31.5 in.) for vehicles with mechanical front suspension and 810 mm (32 in.) for vehicles with front air suspension. When mounting, the ball stud must be perpendicular to the pitman arm at the steer gear and steer arm at the axle end.

### NOTE

It is recommended to use a new castle nut and cotter pin when replacing the drag link. New castle nuts and cotter pins are provided in Kit 85129151.

### NOTE

The pinch bolt on the adjustable ball socket should be torqued to 85 Nm (63 ft-lb).

**Reimbursement**

<b>This repair is covered by an authorized Safety Recall campaign. Reimbursement is obtained through the normal claim handling process.</b>	
<b>Claim Type (used only when uploading from the Dealer Bus. Sys.)</b>	<b>R</b>
<b>Recall Status</b>	
Vehicle inspected, repair not needed	1-Inspected, Ok
Vehicle repaired per instructions	2-Modified per instructions
<b>Labor Code</b>	
Primary Labor Code	36312-0-01 - 0.1 hr., Time allowed to inspect the trucks drag link (VNL-2, VNM-2) per recall RVXX1003.
Primary Labor Code	36312-0-02 - 0.3 hr., Time allowed to replace per recall RVXX1003 (VNL-2, VNM-2).
Time to take charge of vehicle and determine campaign status	17003-0-01 - 0.3 hr.
<b>Causal Part</b>	8079525
<b>Authorization No.</b>	RVXX1003

Take-charge time is not included in the labor code for this operation. Take charge may be eligible, but can only be used once per vehicle repair visit. If the vehicle is having other warranty repairs performed, take-charge should be charged to the warranty repair, otherwise take-charge can be charged to this Safety Recall campaign.

<b>NOTE</b>
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Dealers are to perform Safety Recall Campaigns on all subject vehicles at no charge to the vehicle owner regardless of mileage, age of vehicle or ownership (original purchaser or subsequent purchasers). Whenever vehicles are subject to a safety recall are brought to your dealership for service, or taken into your dealership vehicle inventory, it is strongly recommended that every effort be made to perform the recall correction before the vehicle is sold or released to the owner.

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