

SAFETY RECALL BULLETIN

VOLVO

SAFETY RECALL RVXX0105
JULY 2001

**ATTENTION: SERVICE MANAGERS
PARTS MANAGERS**

SUBJECT: VHD Lower Steering Shaft

SAFETY RECALL INFORMATION:

Volvo Trucks North America, Inc. has decided that a defect relating to motor vehicle safety exists in certain Volvo, VHD axle forward model vehicles.

The lower steering shaft in some instances may side load the steering gear input shaft.

This condition may result in non-uniform steering wheel efforts when turning the steering wheel, in addition once the steering wheel turn is initiated, the vehicle may continue turning without returning to the straight ahead position with out driver effort.

VEHICLES AFFECTED:

Certain VHD axle forward model vehicles manufactured by Volvo Trucks North America, Inc. between March 23, 2000, and June 5, 2001.

VEHICLE IDENTIFICATION NUMBERS (VIN):

There are five hundred and eighty-four (584) vehicles affected by this recall.

The affected vehicles are within the following VIN ranges.

From
4V5K99GH91N256799

Through
4V5K99GH62N329709

NOTE: To verify or determine if a particular vehicle is affected by this recall (or any other recall), you should consult the DCS, Service/Warranty screen. By entering the Vehicle Identification Number into the VEHINQ segment, the screen will display any outstanding recall.

The enclosed "Dealer Listing" identifies the vehicles that were sold or shipped to your dealership. Be sure to check the VEHINQ screen before performing the recall to verify that the recall is still open.

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INSPECTION INSTRUCTIONS:

There are no vehicle inspections associated with this recall.

REPAIR:

The recall repair consist of replacing the lower steering shaft with the one from the recall kit.

TIME ALLOWANCE:

Repair: - .8 hours per vehicle

RECALL PARTS:

Recall Kit Number - 85102230

Kit consists of one lower steering shaft, pillow block bearing, and warning decal.

One kit is required per vehicle

KIT ORDERING PROCEDURES:

Kits for this recall should be ordered through Volvo Trucks North America, Inc. Dealer Communications System on an as required basis only. The following information is required to place an order:

1. Your dealer account number
2. Recall kit number
3. Quantity of kits
4. Order priority: VOR

The cost of the kit plus 30% dealer mark-up will have to be claimed per the guidelines identified under the heading "Claims for Credit".

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DEALER INVENTORY:

No parts should be required from dealer stock.

REMOVED PARTS:

Steering shaft assemblies removed per this recall should be scrapped locally after rendering them unusable for further service.

CLAIMS FOR CREDIT:

Expenses associated with the performance of this recall will be reimbursed based on the guidelines identified in this Bulletin, and by submitting a claim following published instructions in the claim preparation section of the "Service Operations Manual".

NOTE: Claims for a recall repair must be submitted within 2 working days from the repair date.

CLAIM CODING INFORMATION:

Type	- P	
Authorization Number	- RVXX0105	
Repair	- 64136-0-02	.8 hour per vehicle

OWNER RECALL RESPONSE CARD:

The "Owner Recall Response Card" is to provide the vehicle owner with a convenient way to notify Volvo Trucks North America, Inc. of changes affecting the ownership of the subject vehicle. The owner card is not intended for dealer usage other than to assist you in the preparation of the repair orders necessary to perform the applicable recall on the subject vehicle. Please do not use the card as a way to inform Volvo Trucks North America, Inc. that the vehicle has been inspected or modified. Your DCS claim on line is sufficient.

SAFETY RECALL RVXX0105**JULY 2001****DEALER RECALL RESPONSIBILITY:**

Dealers are to perform the recall on all vehicles subject to the recall at no charge to the owner regardless of mileage, age of vehicle, or ownership from this time forward. Whenever a vehicle subject to this recall is taken into or is in your vehicle inventory or dealership for service, we strongly recommend you make every effort to perform the recall correction before the vehicle is sold or released to the owner.

IMPORTANT NOTICE:

A copy of the Owner Notice has been included for your reference. Please note that the National Traffic and Motor Vehicle Safety Act requires that the owner's vehicle(s) be corrected within a reasonable time after parts are available to you. The law states that failure to repair a vehicle within sixty (60) days after tender for repair shall be a prima facie evidence of unreasonable time. However, circumstances of a particular situation may reduce the sixty (60) day period. If an owner's vehicle is not repaired within a reasonable time, he or she may be entitled, without charge, to a reasonable equivalent vehicle or refund of the purchase price, less reasonable allowance for depreciation.

Volvo Trucks North America, Inc.
P.O. Box 26115
Greensboro, NC 27102-6115

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SAFETY RECALL NOTICE **VOLVO**
SAFETY RECALL NUMBER: RVXX0105
DATE: JULY 2001

Dear Volvo Truck Owner:

This notice is sent to you to be aware of the requirements of the National Highway Traffic and Motor Vehicle Safety Act. Volvo Trucks North America, Inc. has decided that a defect that relates to motor vehicle safety exists in certain VED side forward crash vehicles built between March 27, 2000, and June 5, 2001.

SAFETY IMPACT: The power steering shaft is more sensitive to wear because it may also lead to steering gear shaft.

POTENTIAL HAZARD: The condition may result in an excessive steering wheel effort when turning the steering wheel. In addition, when the steering wheel turns in a sudden, the vehicle may continue moving without affecting the driver's hand position without driver effort, causing the potential for loss of steering and an accident with this or an adjacent.

PRECAUTION YOU CAN TAKE: There are no precautions you can take other than having the power steering shaft replaced.

REPAIR: At no charge to you, replacement of your vehicle's top or springs, a Volvo truck dealer will replace the lower steering shaft on your vehicle. The labor cost required to repair your vehicle is stated on form.

YOUR RESPONSE FOR THE REPAIR: Volvo Trucks North America, Inc. urges you to immediately contact your Volvo truck dealer for a service appointment to have your vehicle repaired. Parts are currently available for shipment to the dealer, allowing your service appointment.

Volvo Trucks North America, Inc.
10000 North American Blvd.
Warren, MI 48090-1000
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**NOTICE REGARDING
LEASED VEHICLES**

If you are a Lessee of a vehicle subject to this Notice, you have an obligation under Federal Law to provide a copy of this Notice to all Lessee vehicle (if any) of your fleet, of the Notice. Further, you must provide a record which identifies the Lessee(s) to whom you send a copy of this Notice, the date you send this Notice, and the Vehicle Identification Number (VIN of the vehicle) that you have listed in this Notice. For purposes of this Notice, the term Lessee means a person or entity that is the owner, as defined by the vehicle's title, of any new or used leased vehicle (as defined in 49 CFR Section 577.4), or of the title of a vehicle by the possession of the vehicle or a safety-related defect or non-compliance with a Federal Motor Vehicle Safety Standard in one or more of the leased motor vehicles.

**NOTICE RECALL
RESPONSE CARD**

The enclosed "Owner Recall Response Card" identifies your vehicle. Returning of this card to your dealer will assist in the processing of your vehicle in the directed time period. If you do not own, have sold or have leased the vehicle identified, please let us know by completing and signing the pre-printed Card and returning it to Volvo Trucks North America, Inc. at an even update on records.

ASSISTANCE

If your vehicle has not been recalled vehicle is susceptible then after delivering it to the dealer on the agreed upon date, please contact Volvo Trucks North America, Inc. Recall Department, P.O. Box 28115, Channahon, IL 61602-0115 or call our toll-free number 1-800-521-8333. You may also obtain a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Kennedy Street, N.W., Washington DC 20590 or call the toll-free Auto Safety Hot Line at 1-800-424-9393.

We regret any inconvenience this recall may cause, but hope you will share in the concern for your safety and satisfaction with your vehicle.

Sincerely,
Volvo Trucks North America, Inc.

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Repair Instruction

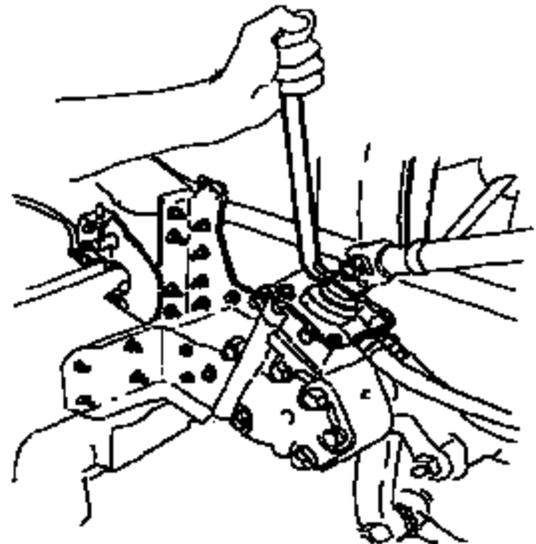
DANGER

Before working on a vehicle, set the parking brake, place the transmission in neutral, and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.

CAUTION

Possible equipment damage. The orientation of the contact reel to the center position of the steering gear must be maintained at all times. The steering wheel must be held in the center position anytime the steering column and the steering gear are not connected by the steering shaft. Failure to maintain proper contact reel orientation could result in breakage of the ribbon harness rendering the SRS inoperable.

1. Park the vehicle on a level surface with the transmission in neutral and the front wheels in the straight ahead position and chocked.
2. Remove the two support bearing mount bolts.
3. Remove the power steering gearbox shaft pinch bolt.



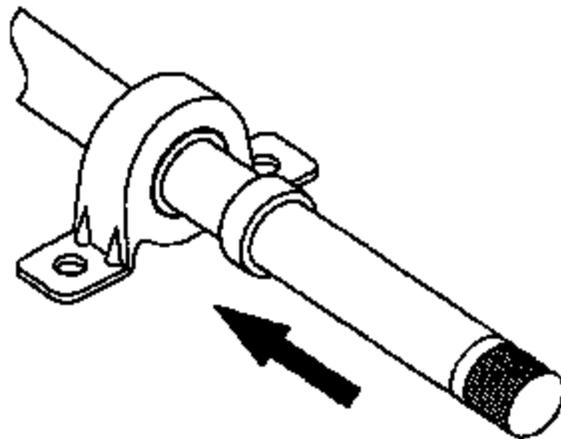
W2000999

CAUTION

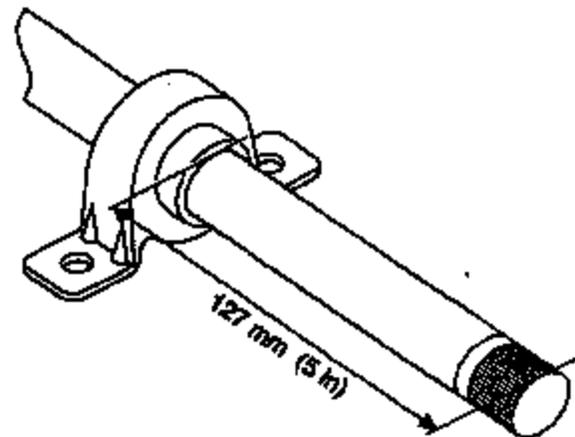
Possible equipment damage. Some steering gears have a plastic ring on the input shaft that acts as both a timing ring and a dust cover. Use care not to damage the ring when prying the U-joint off the steering gear. Failure to use care could damage the plastic ring.

4. Remove the lower shaft yoke assembly from the gearbox splines.
5. Remove the lower shaft pinch bolt at the intermediate shaft yoke assembly, then remove the lower shaft from the vehicle.
6. Slide the new bearing onto the new lower shaft with the locking collar flange on the bearing positioned towards the upper splined end of the shaft.

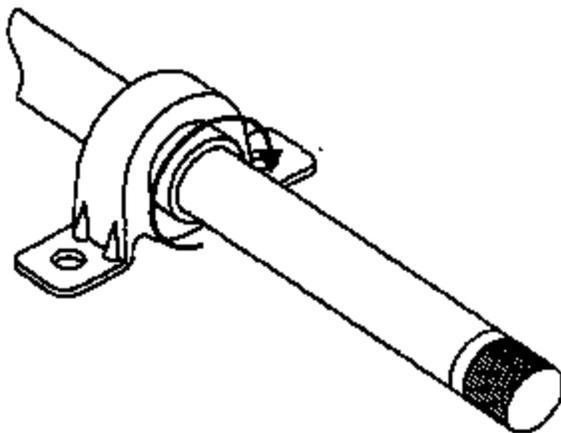
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7. Slide the locking collar up to the locking flange on the bearing and turn in either direction until it slips over the inner ring extension and engages the eccentric.



8. Adjust the distance from the face of the locking collar nearest the spined end of the shaft to the end of the shaft to 127 mm (5 in).
10. Place a punch or drift in the blind hole in the collar and strike sharply in the same direction as the collar was originally turned. This locks the collar and ring tightly together and also tightens the inner ring on the shaft.

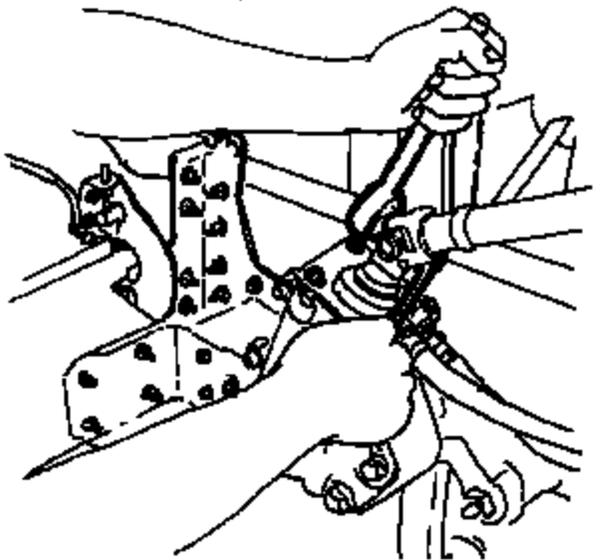


8. Turn the collar firmly in the same direction until the eccentric groove in the collar engages the eccentric on the inner ring and the two parts are locked together. This requires about 1/4 turn.

Always wear appropriate eye protection to prevent risk of eye injury due to debris.

11. Tighten the collar set screw until it stops turning and the allen wrench starts to spring.
12. Attach the new lower shaft/bearing assembly to the upper shaft using a new pinch bolt (6782510) and nut (971068). Tighten the pinch bolt to 60 ± 10 Nm (45 ± 7 ft-lb).

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13. Check that the steering wheel is still in the 'straight ahead' position and attach the lower shaft/bearing assembly to the steering gear using a new pinch bolt (6762610) and nut (971086). Tighten the pinch bolt to 60 ± 10 Nm (45 ± 7 ft-lb).

NOTE: Ensure that the yoke of the steering shaft is completely engaged on the steering gear input shaft. And that the pinch bolt pass through the whistle notch on the steering gear input shaft.

14. Attach the lower shaft/bearing assembly to the support bracket with the existing hardware. Torque the bolts to 48 ± 8 Nm (35 ± 6 ft-lb).
15. Check the shaft length from the centerline of the lower u-joint cross to the upper splined end of the shaft. To ensure proper operation of the slip joint feature the dimension must be 525.3 ± 0.6 mm.