

SAFETY RECALL

Volvo Trucks North America
Greensboro, NC USA

VOLVO

Date	Number	Release	Page
11.2015	RVXX1509	01	1 (10)

Draglink Rod, Replacement

VN

SAFETY RECALL INFORMATION:

(November 2015)

VOLVO Trucks North America has determined a defect relating to motor vehicle safety may exist in certain VOLVO VN trucks manufactured between 04/14/2008 and 12/23/2014. The draglink rod boot may be compromised and enable dirt/water to contaminate the draglink rod ball socket on some VOLVO VN trucks equipped with a sealed Uresko draglink rod. If this condition is untreated, failure of the ball socket and a complete loss of steering may be possible. If the existing draglink rod ball socket displays any sign of damage to the rubber boot or looseness of draglink rod, immediately take the truck out of service and replace the draglink rod. Additionally, the existing mounting hardware should be replaced with new mounting hardware each time the draglink rod is replaced.

The procedure for the inspection and authorization is documented in Safety Recall RVXX1508. For recall cases that require replacement, the vehicle identification number (VIN) will be added to this authorization as a result of calling and ordering parts. If replacement of the draglink rod is determined after completion of the inspection outlined in safety recall RVXX1508, replace the existing draglink rod with a new greaseable draglink rod. Follow the replacement procedure outlined in this Safety Recall.

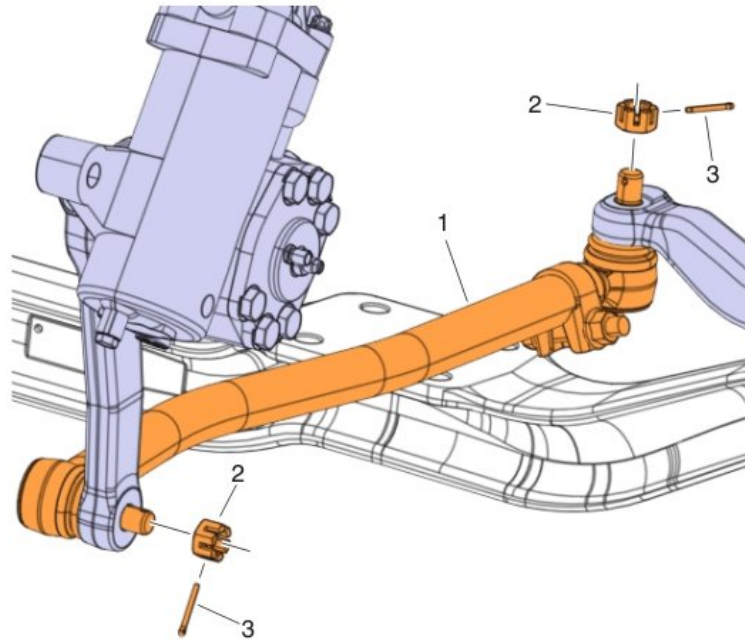
VOLVO Trucks considers this as a proactive measure to protect the public and VOLVO's customers from the potential risk associated with this defect.

VEHICLES AFFECTED:

Certain 2009 through 2015 VOLVO VN model trucks manufactured from April 14, 2008 through December 23, 2014.

VEHICLE IDENTIFICATION NUMBERS (VIN):

The number of vehicles affected by this recall is 13,290 (8,097 USA, 958 Canada, 4,226 Mexico, and 3 Export).



Required Parts:

To schedule parts orders and repairs, please call (877) 986-5862 with the Vehicle Identification Number (VIN) of the vehicle in need of this repair.

Failed Inspection Draglink Rod, Replacement Parts			
Item	Description	Part Number	Qty
1	Draglink Rod Assembly, VN (STG16.9B/STG18.2)	85128559	1
2	Castle Nut	10506	2
3	Split Pin	907861	2

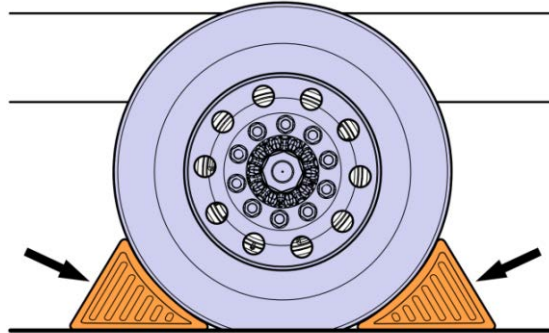
Failed Inspection Draglink Rod, Replacement Parts			
Item	Description	Part Number	Qty
1	Draglink Rod Assembly, VN (STG21.0)	21128338	1
2	Castle Nut	10506	2
3	Split Pin	907861	2

NOTE

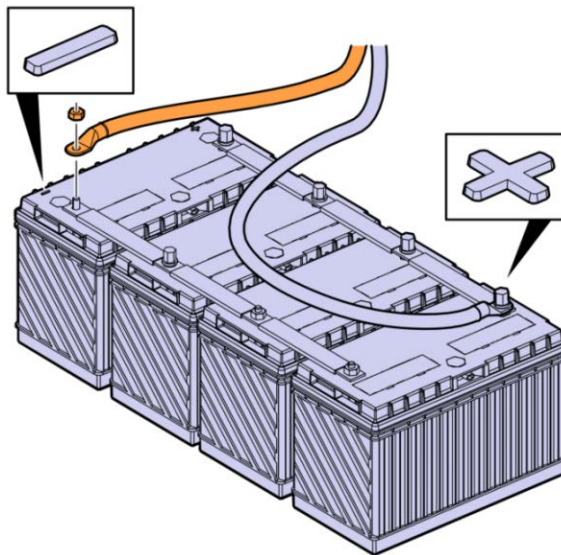
The Illustrations shown in this document are used for reference only and may differ slightly from the actual vehicle being serviced. However, the replacement procedure is represented as accurately as possible.

Decommissioning the Truck for Inspection:

1. Secure the vehicle for service by parking on a flat and level surface, placing the transmission in neutral, applying the parking brake, turning the ignition key to the OFF position, and chocking the rear wheels.



2. Disconnect the cable from the battery's negative (ground) terminal.



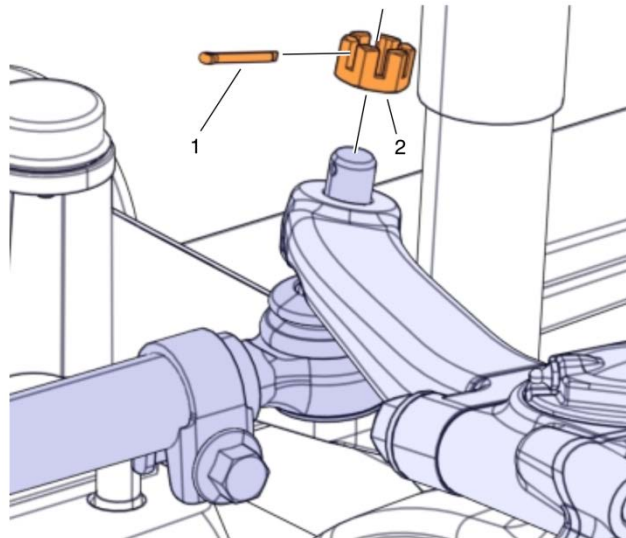
Draglink Rod, Replacement Procedure:

3. Raise the hood.
4. Remove the split pin (1) from the castle nut (2) at the steering knuckle.

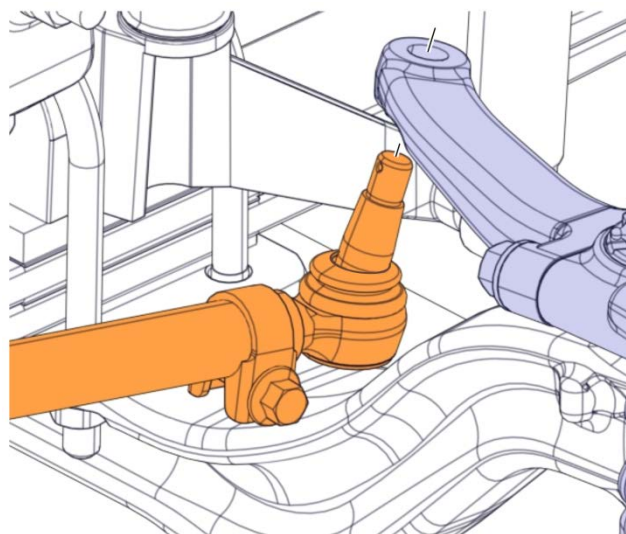
5. Remove the existing castle nut.

NOTE

Discard the existing castle nut and split pin. Do not reuse.



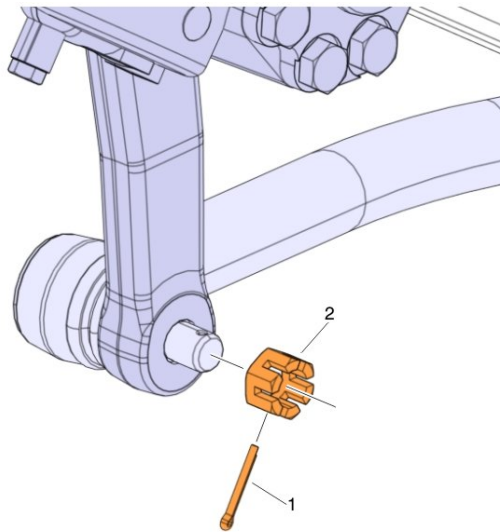
6. Using tool 9996201 (Puller), remove the existing drag link from the steering knuckle as shown in the figure below.



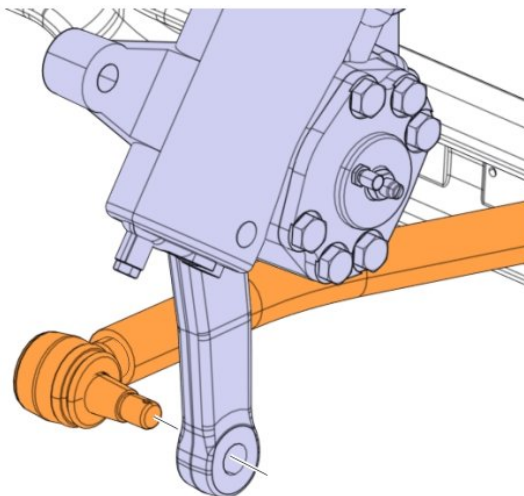
7. Remove the split pin (1) from the castle nut (2) at the pitman arm.
8. Remove the existing castle nut.

NOTE

Discard the existing castle nut and split pin. Do not reuse.



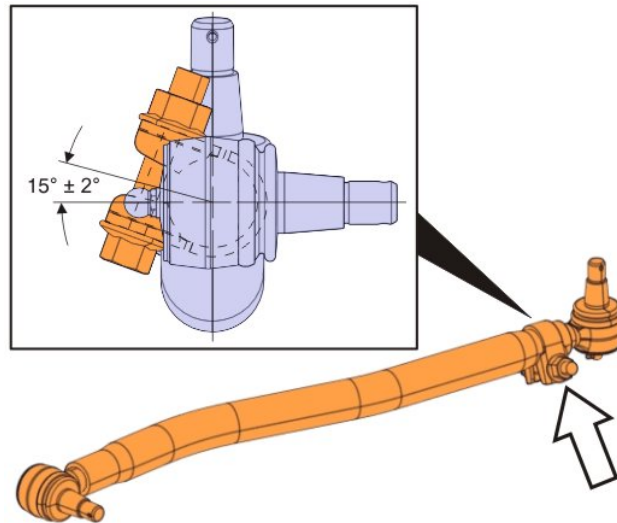
9. Using tool 9996201 (Puller), remove the existing drag link from the pitman arm as shown in the figure below.



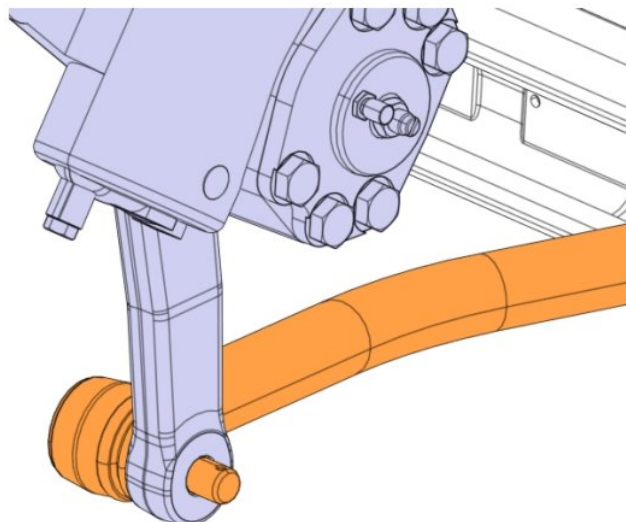
10. Adjust the replacement drag link rod to length for the correct steering wheel angle. Adjust the drag link rod to length and torque the clamp fastener as shown in the figure below.

NOTE
Use the torque value table below for the draglink rod clamp torque specifications.

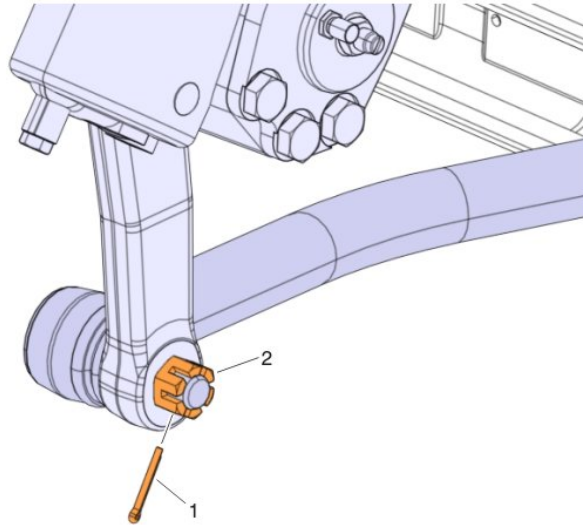
Draglink Rod Torque Specifications	
Clamp Fastener	Torque Specification
M12 10.9	105 ± 20 Nm (77 ± 14 ft-lb)
M16 8.8	220 ± 35 Nm (162 ± 25 in-lb)



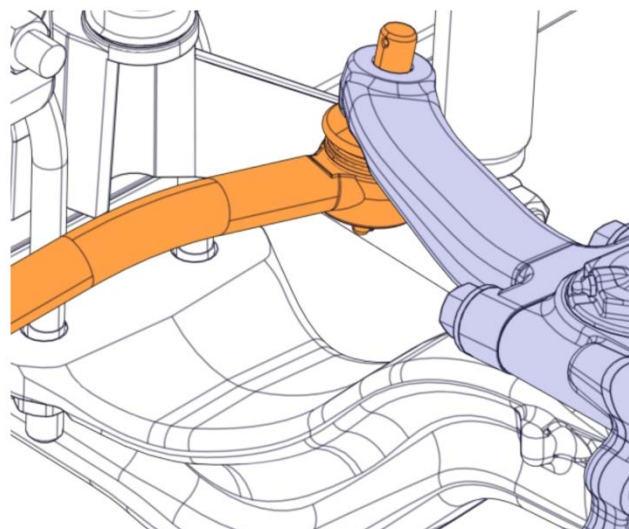
11. Position the replacement draglink rod on the pitman arm as shown in the figure below.



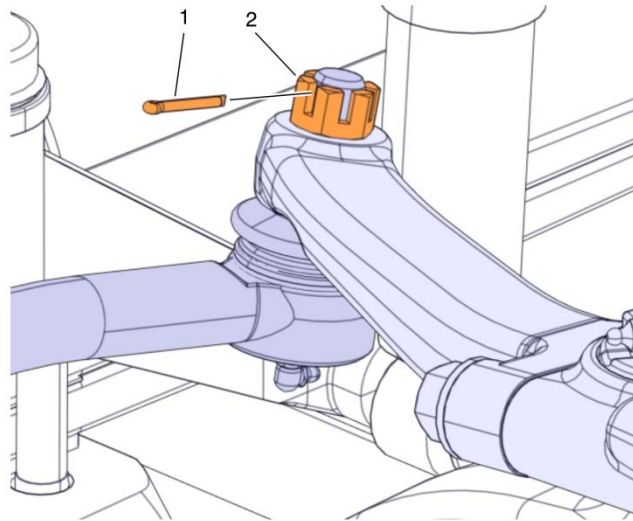
12. Install the replacement castle nut (2) (part number 10506).
13. Tighten the castle nut (part number 10506) to 200 Nm (148 ft-lb) minimum.
14. Turn the castle nut **CLOCKWISE** until the next castle nut slot aligns with the hole in the draglink rod ball socket.
15. Install the split pin (1) (part number 907861).



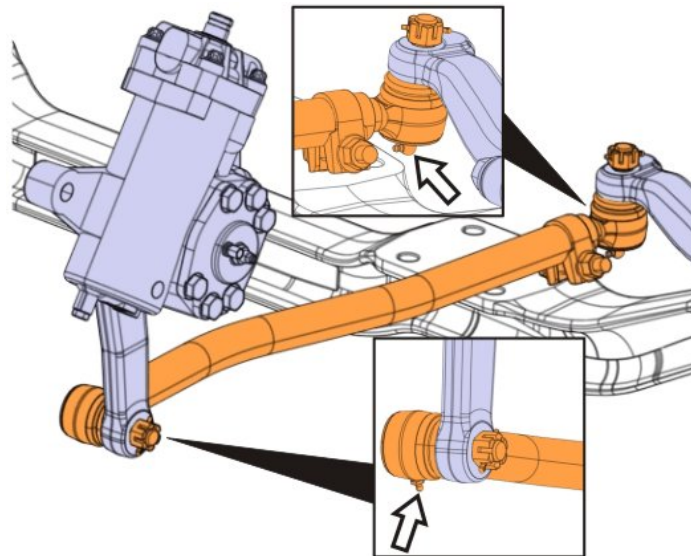
16. Position the replacement drag link rod at the steering knuckle as shown in the figure below.



17. Install the replacement castle nut (2) (part number 10506).
18. Tighten the castle nut (part number 10506) to 200 Nm (148 ft-lb) minimum.
19. Turn the castle nut **CLOCKWISE** until the next castle nut slot aligns with the hole in the draglink rod ball socket.
20. Install the split pin (1) (part number 907861).

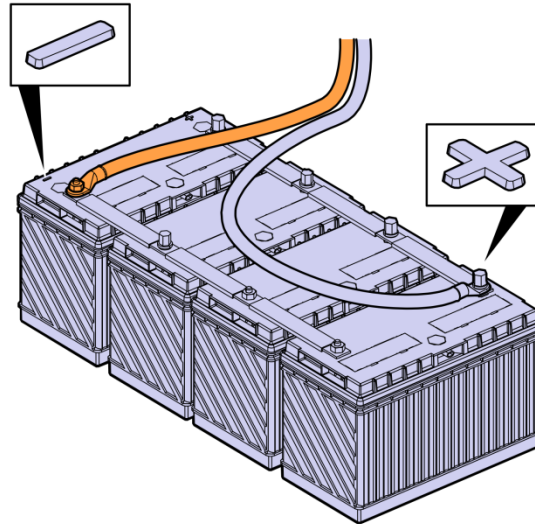


21. Locate the grease fittings shown in the figure below, and lubricate the replacement draglink rod.

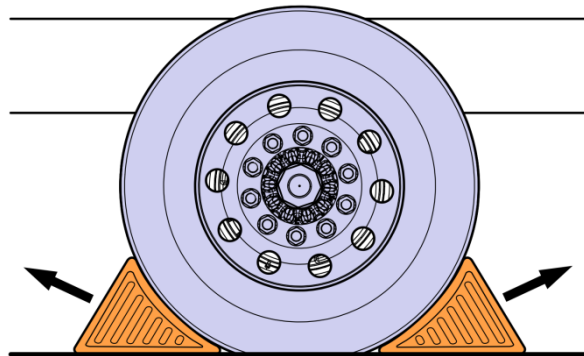


Commissioning the Truck for Operation:

1. Connect the battery cable to the negative (ground) terminal.



2. Remove the wheel chocks.



3. Test-drive the truck to ensure proper operation of the replacement drag link.

NOTE

Ensure the steering wheel is correctly positioned before and after test driving the truck.

NOTE

If the steering wheel is not positioned correctly, perform a truck alignment procedure.

Reimbursement:

This repair is covered by an authorized Safety Recall campaign. Reimbursement is obtained through the normal claim handling process.		
	UCHP Reimbursement	eWarranty Reimbursement
Claim Type (used only when uploading from the Dealer Business System)	R	R
Recall Status		
Vehicle repaired per instructions		1-Modified per instructions
Labor Code		
Primary Labor Code (Draglink Rod, Replacement)	6438-03-09-02 0.8 hrs	64306-0-01 0.8 hrs
Time to take charge of vehicle and determine campaign status	1700-16-01-01 0.3 hrs	17003-0-01 0.3 hrs
Causal Part	21657078	21657078
Authorization Number	C6569	RVXX1509

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.