SAFETY RECALL

Volvo Trucks North America
Greensboro, NC USA

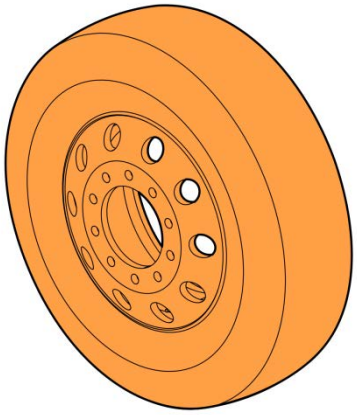
Tire Failure, Steer Axle

VAH, VNL

SAFETY RECALL INFORMATION:

(January 2015)

VOLVO has determined that certain VAH and VNL model vehicles with a governed road speed setting of 70 miles per hour or greater, equipped with 295/60 R22.5 XZA2® Energy™ tires on the front steer axle, and an auto transport application (i.e. truck modified with frame mounted over the truck's front axle to carry automobiles) may experience premature tire failure on the front steer axle under certain operating conditions. The operating conditions include high speeds, load, and road temperature. Premature tire failure under these conditions may result in a vehicle crash. To address this issue, follow the repair procedures in this document for tire replacement and setting the road speed governor to 109 Km/h (68 mph).



VEHICLES AFFECTED:

COUNTRY	MODELS	QTY	MANUFACTURE DATES	MODEL YEARS
USA	VAH, VNL	115	May 12, 2010 through October 31, 2014	2010 and 2015
CANADA	VAH, VNL	6	December 20, 2010 through May 16, 2013	2010 and 2013

VEHICLE IDENTIFICATION NUMBERS (VIN):

There are 121 total (115 U.S., and 6 Canada) vehicles affected by this recall.

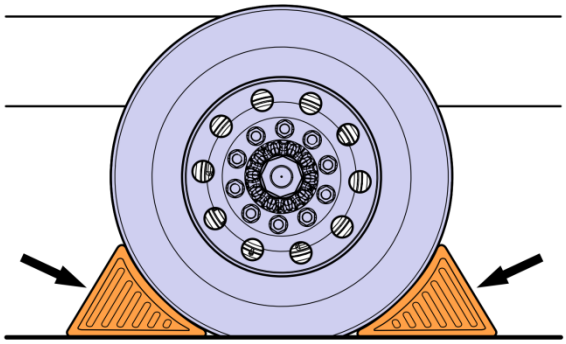
REQUIRED PARTS:

PART NUMBER	QTY	DESCRIPTION
21118712	2	Tire, MICHELIN 295/60 R22.5 XZA2® Energy™

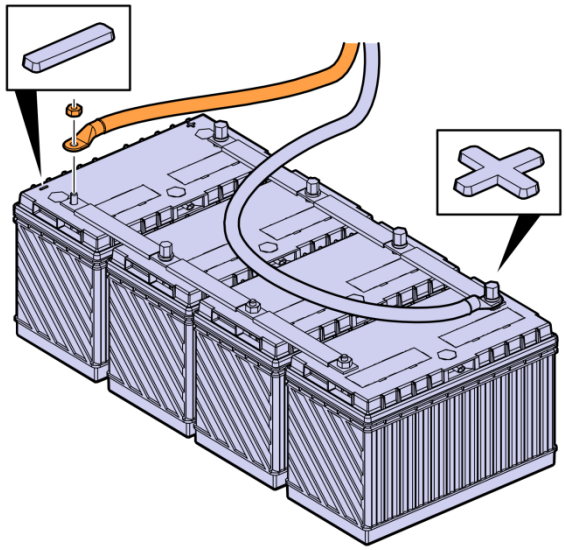
REPAIR PROCEDURE:

Replace tire, each wheel-end, on steer axle:

1. Park the vehicle on a flat and level surface.
2. Apply the parking brake.
3. Place the transmission in neutral or park.
4. Install the wheel chocks.



5. Disconnect the cable from the battery's negative terminal.

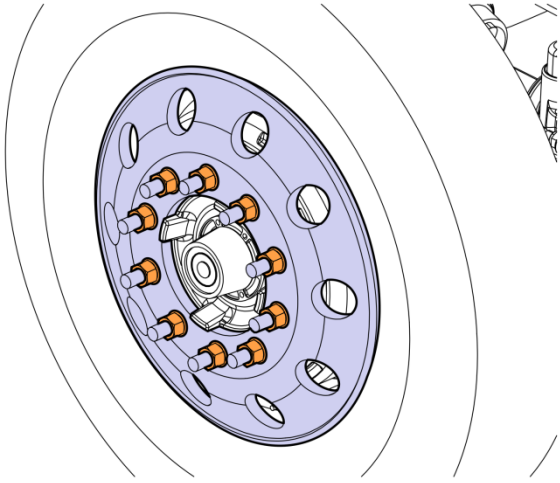


6. Following safe lifting procedures, lift the front steer axle with a jack, and place the steer axle on jack stands.

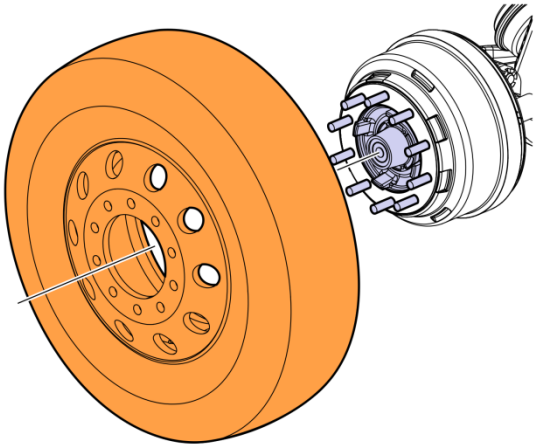
⚠ DANGER

Failure to properly support the steer axle may result in the truck rolling forward or backward, causing serious injury or death.

7. Remove the wheel nuts from the steer axle wheels.

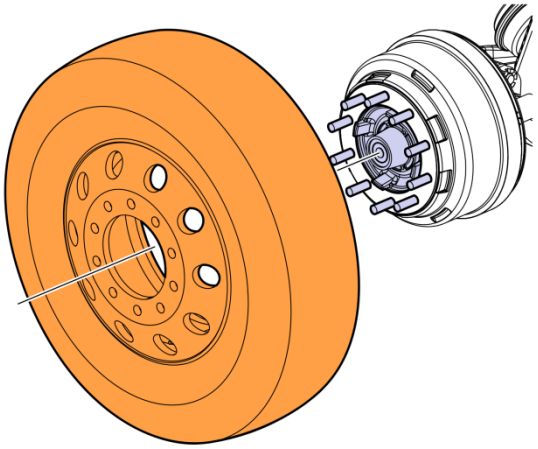


8. Remove the steer axle wheels.



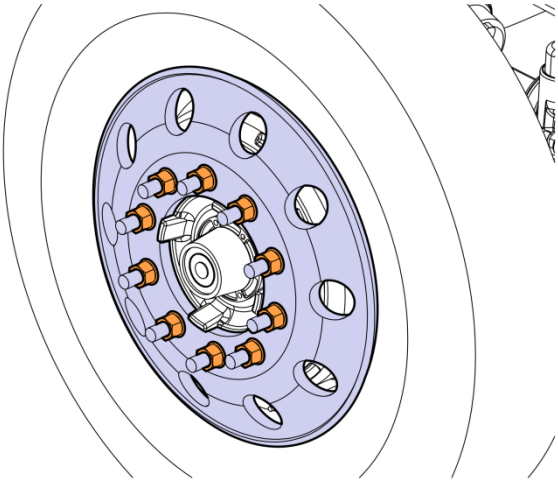
9. Following proper tire replacement procedures, install the new steer axle tires.
10. Inflate each tire to the correct tire pressure.

11. Install the steer axle wheels.



12. Install the wheel nuts on the steer axle wheels.

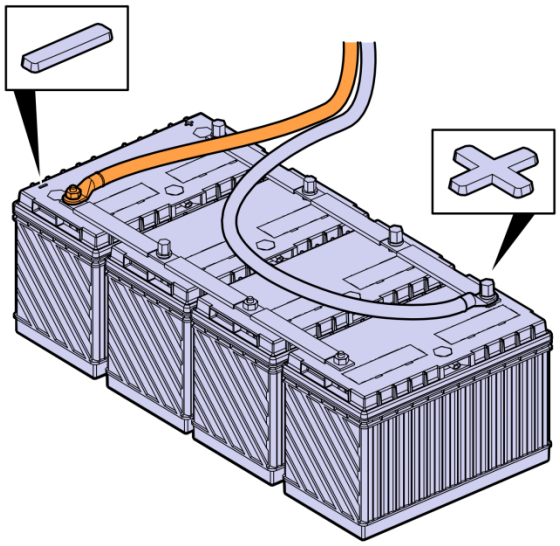
13. Tighten the wheel nuts to 610 Nm (450 ft-lb).



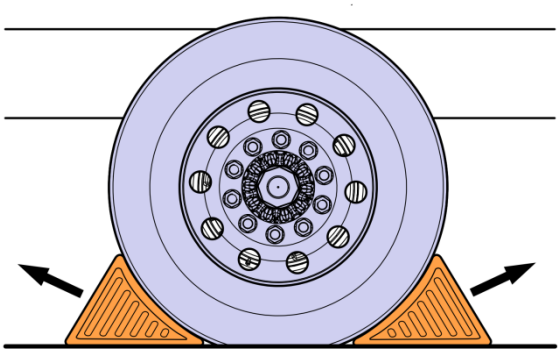
14. Remove the jack stands.

15. Remove the jack.

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



17. Remove the wheel chocks.



Set the road speed governor to the maximum speed of 109 Km/h (68 mph):

NOTE
Follow this procedure for tucks manufactured after January 2013.

1. Using the latest version (2.03.60) of Premium Tech Tool (PTT), connect and identify vehicle.
2. Go to **PROGRAM** tab.
3. Go to **Parameter Programming** (OP Number 1700-22-03-03).
4. Select **Engine Control Module** (ECM).
5. Select Parameter **P1I09** and adjust value to 109 Km/h (68 mph).

NOTE
Additionally, conflicting parameters (i.e. cruise control and customer road speed limits) may need adjustment.

6. Select **CONTINUE**.
7. Go to **EXIT**.
8. Select **PRODUCT** tab.
9. Select **FINISH WORK**.

Set the road speed governor to the maximum speed of 109 Km/h (68 mph):

NOTE
Follow this procedure for tucks manufactured before January 2013.

1. Using the latest version (2.03.60) of Premium Tech Tool (PTT), connect and identify vehicle.
2. Go to **PROGRAM** tab.
3. Go to **Parameter Programming** (OP Number 1700-22-03-03).
4. Select **Road Speed Limit**.
5. Select Parameter **9D** and adjust value to 109 Km/h (68 mph).

NOTE
Additionally, conflicting parameters (i.e. cruise control and customer road speed limits) may need adjustment.

6. Select **CONTINUE**.
7. Got **STOP**.
8. Go to **EXIT**.
9. Select **PRODUCT** tab.
10. Select **FINISH WORK**.

Reset Vehicle Overspeed Data (OBD2013 and Newer)

NOTE
Follow this procedure for resetting vehicle overspeed data on OBD2013 trucks and newer.

1. Using the latest version (2.03.60) of Premium Tech Tool (PTT), connect and identify vehicle.
2. Go to **TEST** tab.
3. Go to function **1 - Service and maintenance,** (1700-08-03-05 Vehicle Life and Trip, Report).
4. Select **Service Trip**.
5. Go to the drop down menu and select **Vehicle Overspeed Data**.
6. Review the Logged Data.
7. Select **Reset trip data** to reset the vehicle overspeed data.
8. Select **Continue** to exit.

Reset Vehicle Overspeed Data (US2010 and Older)

NOTE
Follow this procedure for resetting vehicle overspeed data on US2010 trucks and older.

1. Using the latest version (2.03.60) of Premium Tech Tool (PTT), connect and identify vehicle.
2. Go to **TEST** tab.
3. Go to function **1 - Service and maintenance,** (1700-08-03-05 Vehicle Life and Trip, Report).
4. Click on the **Start** radial button near the upper left hand corner of the screen.

5. Review the Logged Data under **Vehicle Overspeeds – Service Trip**.
6. Select the **Trip Reset** radial button to reset the vehicle overspeed data.
7. Select **Continue** to exit.

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		
Labor Code (Replace tire, each wheel-end, on steer axle)	7721-03-09-01 1.6 hrs	77206-0-01 1.6 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	21118712	21118712
Authorization Number	C6550	RVXX1405

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.