

SAFETY RECALL

Volvo Trucks North America
Greensboro, NC USA

VOLVO

Date	Number	Release	Page
02.2017	RVXX1608	01	1 (5)

Electronic Controlled Air Dryer (ECAD), Reprogramming

VN

SAFETY RECALL INFORMATION:

(February 2017)

Some VOLVO VN model trucks built from 04/11/2012 to 10/03/2016, and equipped with the Electronic Controlled Air Dryer (ECAD) may experience excessive moisture build up in the air tanks and air dryer. Certain vehicle parameters used to control the cycling of the electronic air dryer are incorrect (the parameters were set too low at 1/3 of the required volume of air to purge the air system). Over time, water may contaminate the brake system. Under certain conditions such as cold weather the contamination may affect brake performance. An accessory kit has been developed to improve the drying capabilities of the ECAD system. Improvement includes, reprogramming of the Vehicle Electronic Control Unit (VECU) and replacement of the coalescing air dryer cartridge. Additionally, daily air tank water checks are required per normal air system maintenance services. Follow the repair procedure outlined in this Safety Recall.

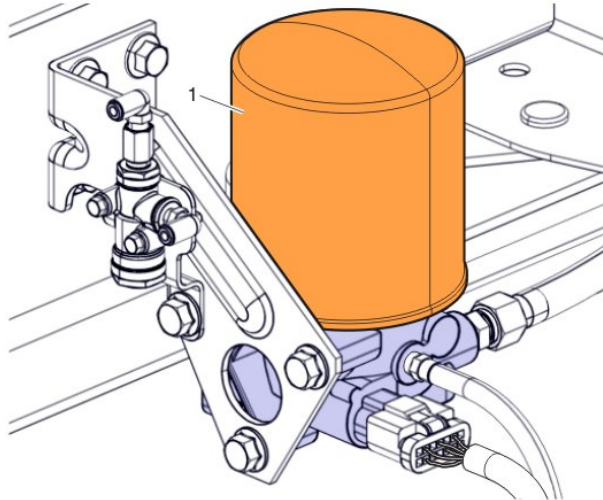
VOLVO Trucks has received no reports of personal injury as a result of this condition. Therefore, VOLVO considers this as a proactive measure to protect the public and VOLVO's customers from the potential risk associated with this defect.

VEHICLES AFFECTED:

Certain 2013 through 2017 VOLVO VNL, 2013 through 2017 VOLVO VNM, and 2015 through 2017 VOLVO VNX, model trucks.

VEHICLE IDENTIFICATION NUMBERS (VIN):

The number of vehicles affected by this recall is 5,676 (5,547 USA, and 128 Canada, and 1 Mexico).



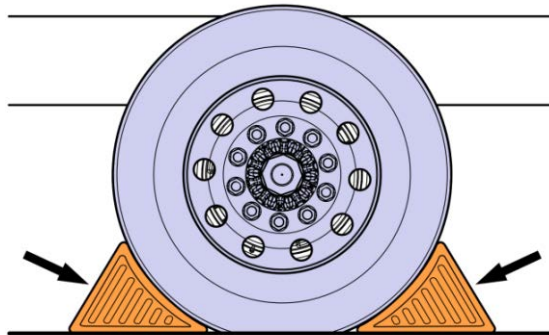
Required Parts:

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.

Electronic Controlled Air Dryer (ECAD), Reprogramming Parts			
Item	Description	Part Number	Qty
1	Coalescing, Air Dryer Cartridge	21620181	1
2	Accessory Kit, VECU Software	85149898	1

Decommissioning the Truck for Inspection or Repair:

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 front wheels.

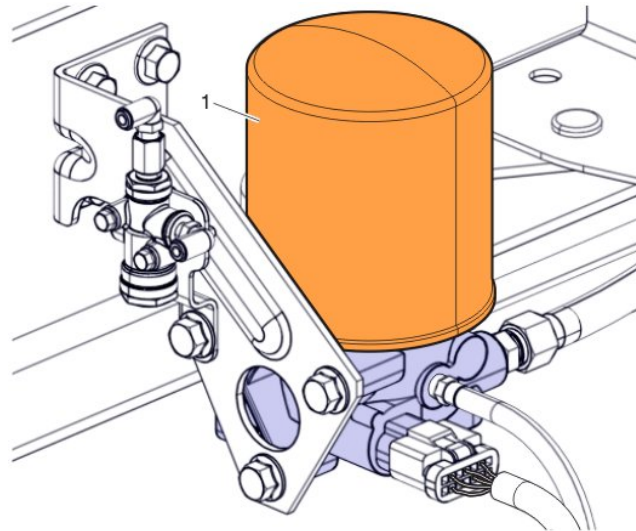


Electronic Controlled Air Dryer (ECAD), Reprogramming:

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.

1. Drain all air tanks.
2. Replace the coalescing air dryer cartridge (1).



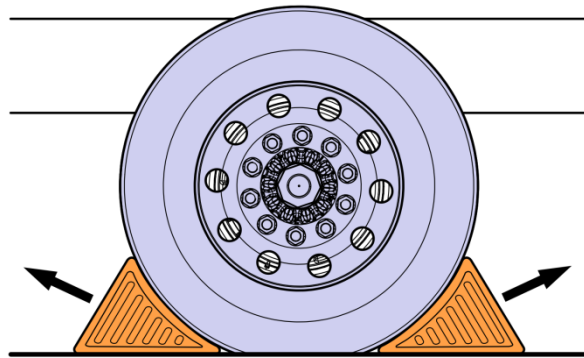
3. Using Premium Tech Tool (PTT), run accessory kit 85149898.
4. Reprogram the Vehicle Electronic Control Unit (VECU) MID 144.
5. Manually change parameter CUB – 15 in PTT.
6. Using **PTT**, reset the Air Dryer Filter Cartridge Service Life Cycle.
 - Go to **Calibrate**
 - Go to **Brake System**
 - Go to **Air Dryer – 5618-07-03-02**
 - Continue to reset **Air Dryer Maintenance Status Screen** and reset Item # 1 (**Reset, Filter Cartridge**)

7. Using PTT, reset **Regeneration Volume Vs Time**.
 - Go to **Test**
 - Go to **Brakes**
 - Go to **Pneumatic System Status – 5600-08-03-04**
 - Continue to **Air Pressure** and **Status** screen
 - Reset Item # 2 (**Reset of Regeneration Volume**)
 - Click (**OK**) and continue

8. Verify proper operation after reprogramming is complete.

Commissioning the Truck for Operation:

1. Remove the wheel chocks.



Reimbursement:

This repair is covered by an authorized Safety Recall campaign. Reimbursement is obtained through the normal claim handling process.	
	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Business System)	R
Recall Status	
Vehicle repaired per instructions	1-Modified per instructions
Labor Code	
Primary Labor Code (Electronic Controlled Air Dryer (ECAD), Reprogramming)	5616-22-09-01 0.5 hrs
Additional Labor Code (Electronic Controlled Air Dryer (ECAD), Replacement)	5616-03-09-04 0.3 hrs
Time to take charge of vehicle and determine campaign status	170016-01-01 0.3 hrs
Causal Part	21720493
Authorization Number	C6582

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.