

Climate Unit Noise Reduction VN, VHD, VT, VAH

FSB 874-052, Climate Unit Noise Reduction

(May 2013)

To address customer concerns of a 'whistling' noise from the main climate unit when in recirculation mode, VOLVO Trucks has developed a repair procedure as outlined in this document.

Required Parts

1 – Grease Syringe

All requests for grease syringes should be placed via e-mail ONLY to the following address: BASP.OES@US.BEHRGROUP.COM.

E-mail request for syringes must include: Quantity of syringes required, Dealership Name, Dealership Address, City, State, Zip Contact Name (person to receive syringes), and Contact phone number. The subject line of the email should include **Beralub FR43 Grease, Volvo HVAC**.

An e-mail will be sent out notifying the contact person when the syringes have been packaged for shipment.

Note: Information is subject to change without notice.
Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

Service personnel: Please circulate, read and initial

Service Manager	Warranty Administrator	Workshop Foreman	Service Technicians						

Procedure

You must read and understand the precautions and guidelines in Service Information, Function Group 8, "General Safety Practices, Cab" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.



DANGER

Do not attempt to repair or service a vehicle without the proper training, tools and service information. Failure to do so may result in component damage, serious injury or death.

- 1 Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheel, and placing the transmission in neutral.
- 2 Open the hood.
- 3 Disconnect the air inlet pipe from the air filter housing.

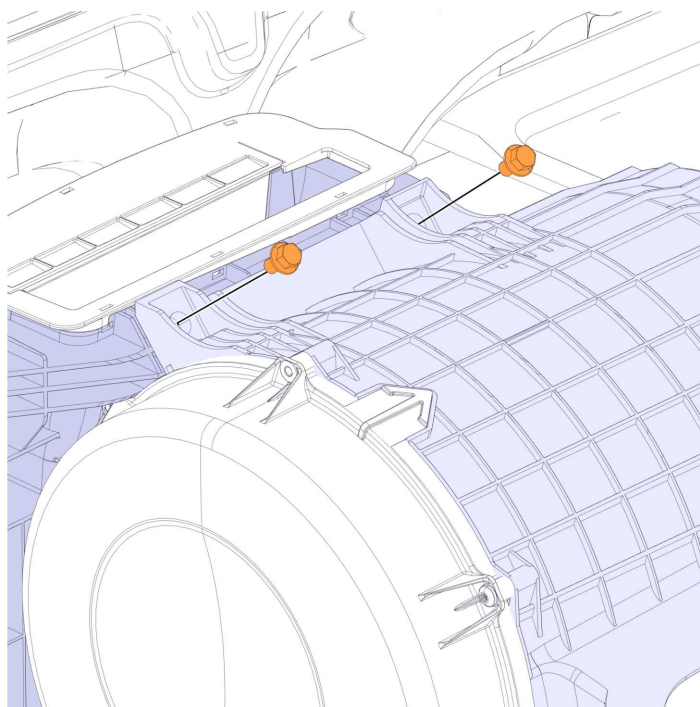
4



CAUTION

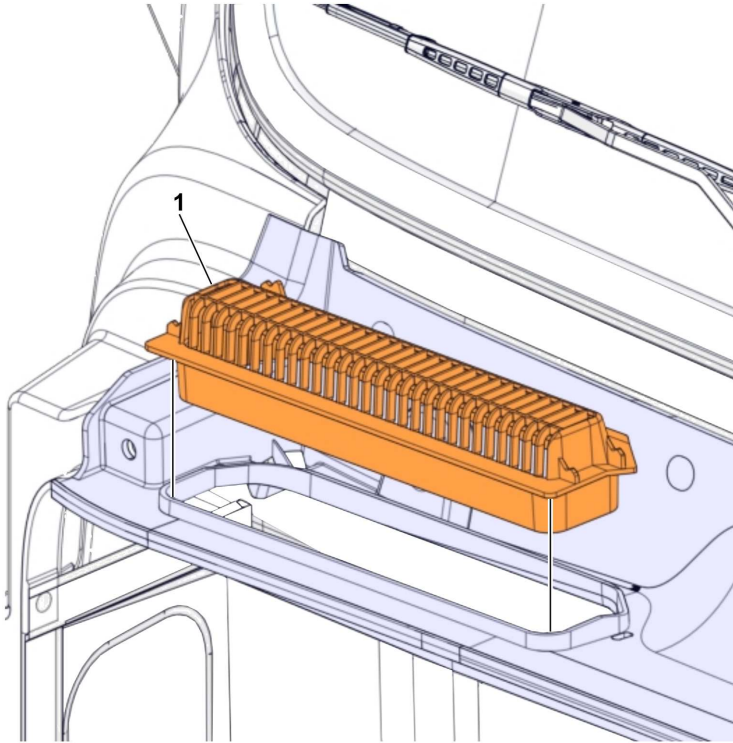
To avoid damage to the air filter restriction gauge and other surrounding components, use caution when removing the air filter assembly.

Remove the air filter assembly. To avoid damage, place the air filter assembly in a secure location.



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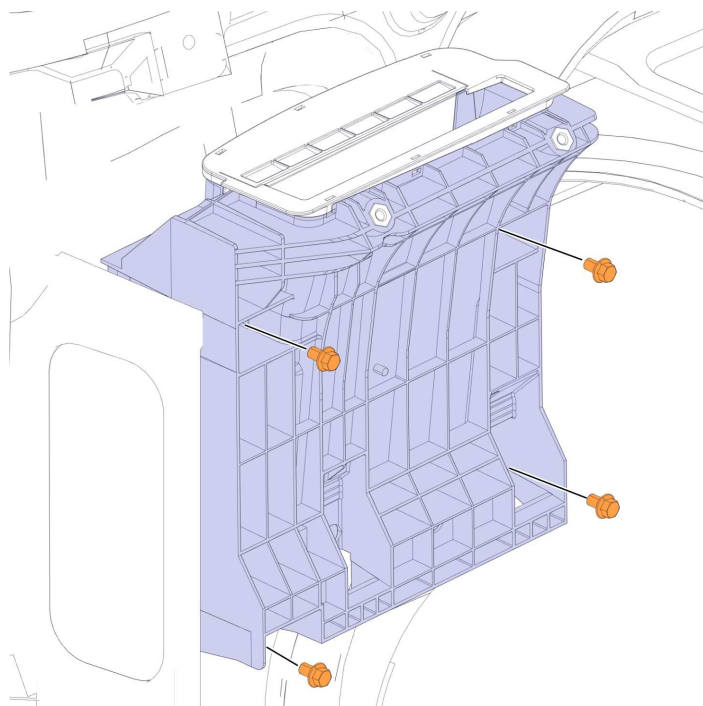
- 5 Remove the air intake grille.



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1 — Air Intake Grille

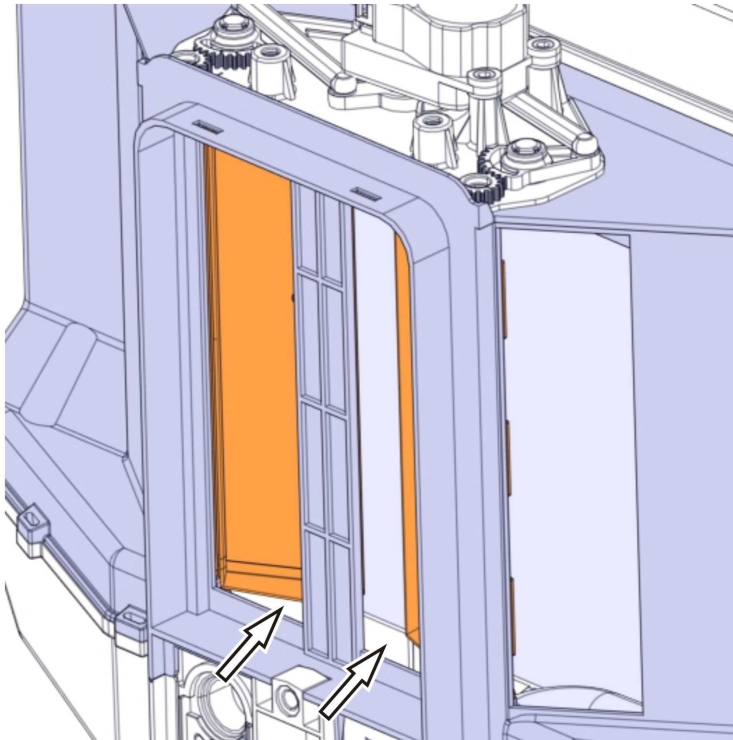
- 6 Remove the air filter assembly mount. Using a 14 mm socket, remove the outer fasteners securing the air filter assembly mount. Using a 15 mm socket, remove the inner fasteners securing the air filter assembly mount.



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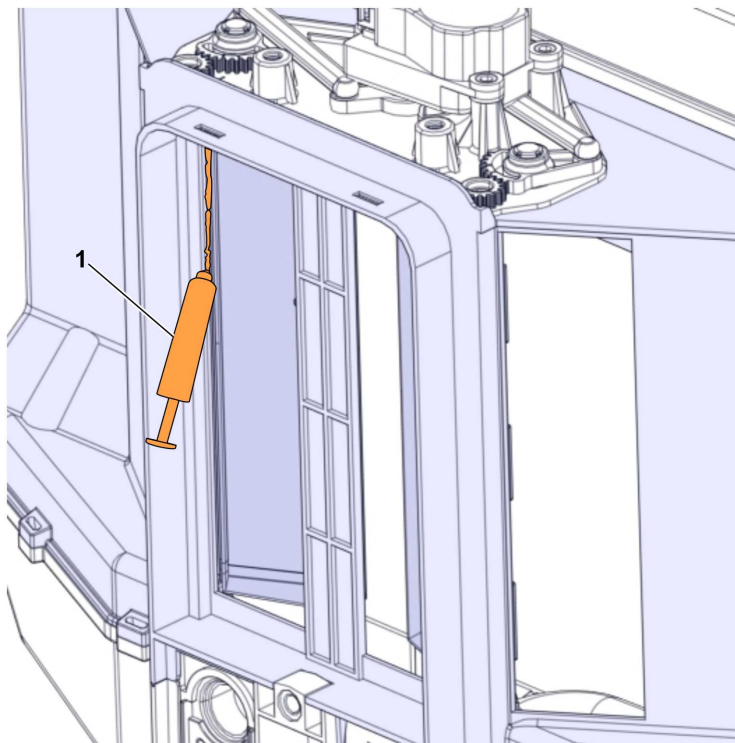
- 7 With assistance, turn the ignition to the "ON" position. Cycle the 'recirculate' switch on the HVAC control panel so that the air inlet doors are in the 3/4 closed position.

Note: Do not turn the ignition off as the HVAC control panel doors will move to the fully open position with the switch off.



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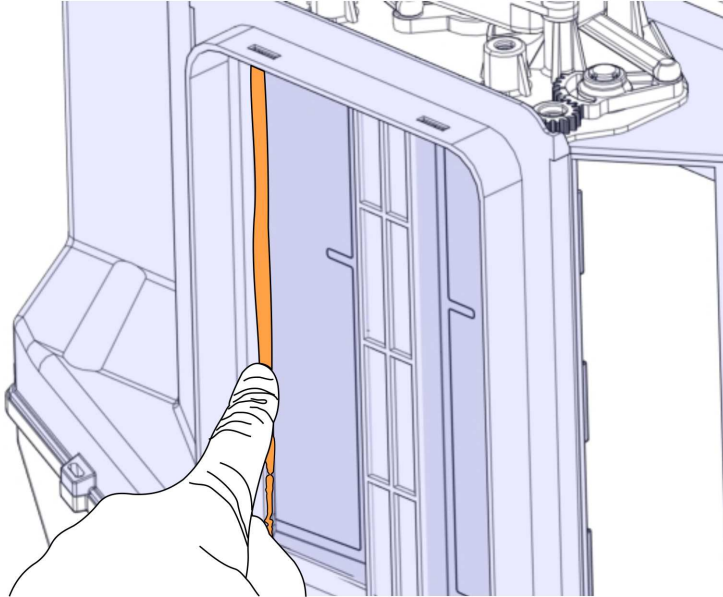
- 8 For both doors, apply the grease to the hinge side door seal only.



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1 — Grease Syringe

- 9 For both doors, wipe excess grease from the air inlet door seal area.



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- 10 With the ignition switch in the "ON" position still, cycle the recirculate switch to close the air inlet doors fully. Push grease into the hinge areas of both air inlet doors. Remove excess grease from the inlet doors.
- 11 With the air inlet doors closed, apply grease into the hinge area for both doors. Remove excess grease from the door hinge area.
- 12 With assistance, check the operation of the air inlet doors. Turn the ignition switch off.

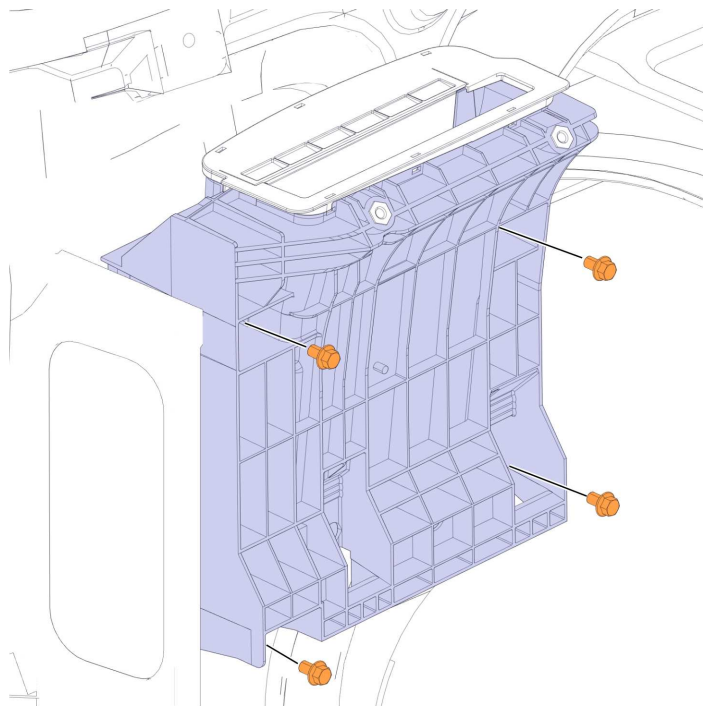
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CAUTION

To avoid component damage, do not overtorque the air filter assembly mount fasteners.

Install the air filter assembly mount. Torque fasteners to 60 ± 10 Nm (44 ± 7.4 ft-lb).



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CAUTION

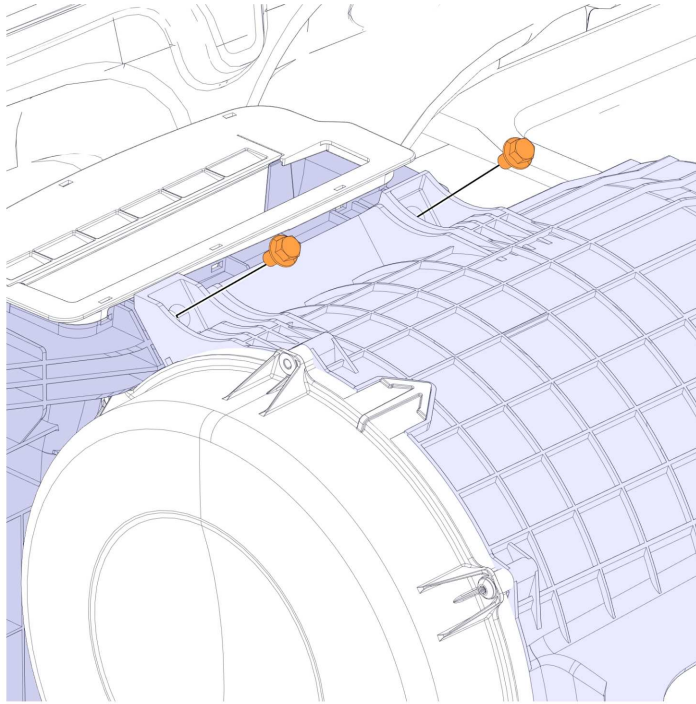
To avoid damage to the air filter restriction gauge and other surrounding components, use caution when installing the air filter assembly.



CAUTION

To avoid component damage, do not overtorque the air filter assembly fasteners.

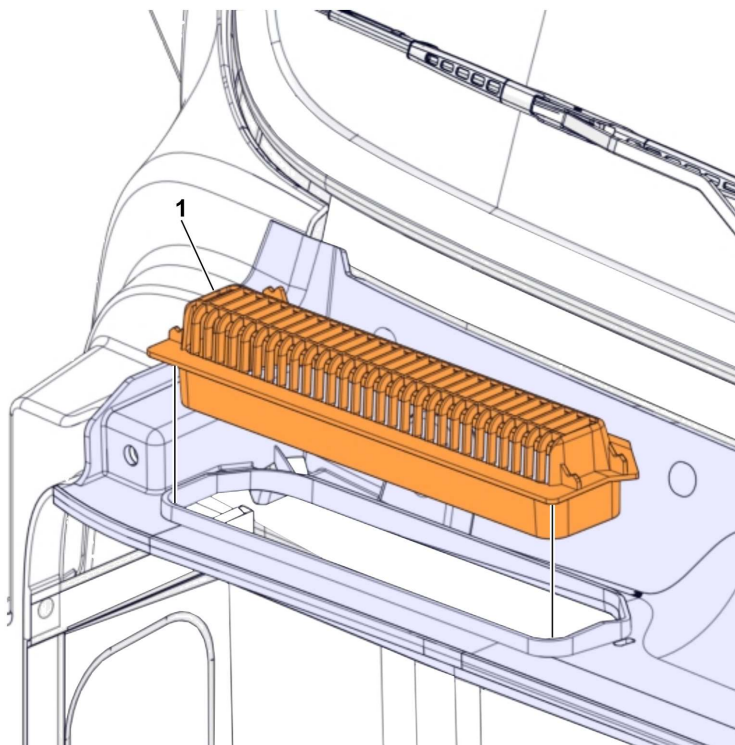
Install the air filter assembly. Torque fasteners to 48 ± 8 Nm (35 ± 6 ft-lb).



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15 Connect the air inlet pipe to the air filter housing. Hand tighten the clamp securely.

16 Install the air intake grille. Fasten the clips securing the grille.



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1 — Air Intake Grille

17 Close the hood.

Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	W
Labor Code	
Primary Labor Code	87457-2-00 0.6 hrs.
Causal Part	21318109, 21318107

Volvo Trucks North America engages in a continuous program of testing and evaluating to provide the best possible product. Volvo Trucks North America, however, is not committed to, or liable for updating existing chassis.