

Improved Wiper Pattern VN

FSB 363-007, Windshield Visibility Improvement

(October 2014)

VOLVO has developed a new wiper system to improve the visibility of the hood mirror during wiper operation on VN model vehicles manufactured from August 8, 2011 to November 22, 2013. The following procedure outlines how to install the new wiper system.

Required Parts

- 1– Wiper Linkage, Part Number 85115752
- 2 – Wiper Arms, Part Number 85142562
- 2 – Wiper Blade, Standard, Part Number 85142563
- OR
- 2 – Wiper Blade, Arctic, Part Number 85142564 (Optional)

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.

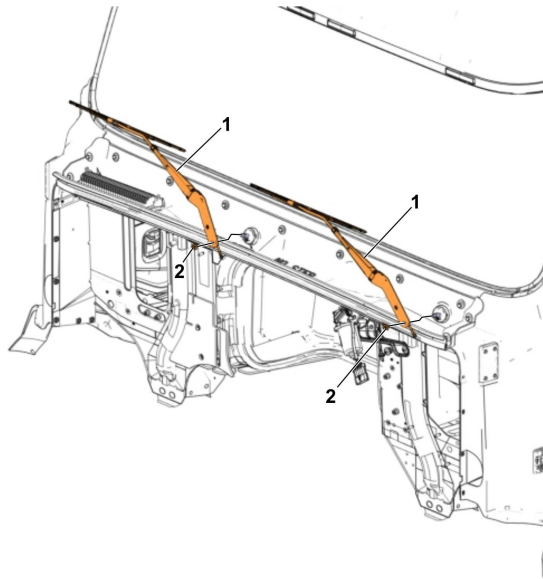
You must read and understand the precautions and guidelines in Service Information, Function Group 3, "General Safety Practices, Electrical" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.



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.

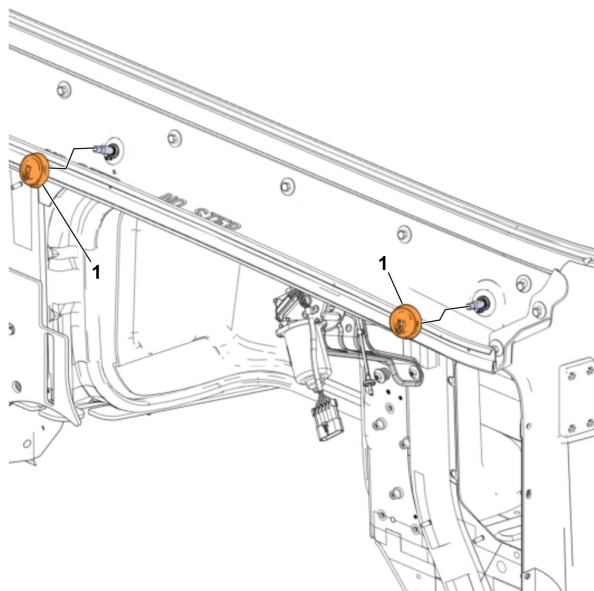
- 1 Secure the vehicle for service by parking it on a level surface, applying the parking brake, chocking the rear wheels, and placing the transmission in neutral.
- 2 Disconnect all cables from the negative (ground) battery terminals to prevent personal injury from electrical shock and prevent damage to electrical components.
- 3 Unlatch and raise the hood.
- 4 Disconnect the windshield washer hoses and remove the wiper arms.



W3090173

- 1 – Wiper Arm
2 – Wiper Arm Mounting Nut

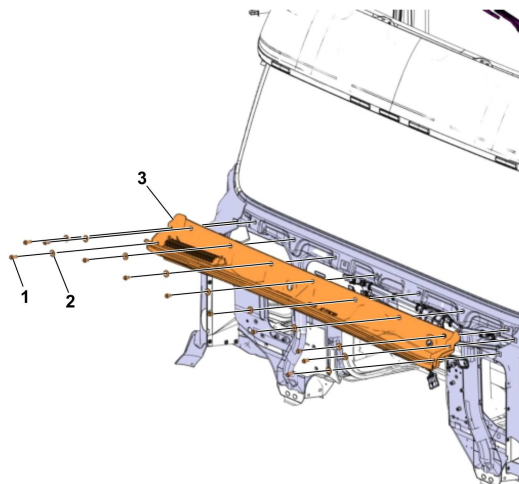
- 5 Remove the wiper thru-shaft escutcheons.



W3090174

1 – Wiper Thru-Shaft Escutcheon

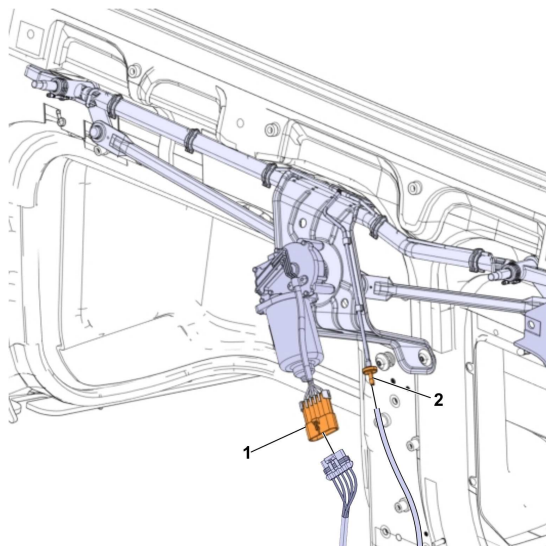
- 6 Remove the upper center cowl.



W3090175

1 – Fastener
2 – Washer
3 – Cowl

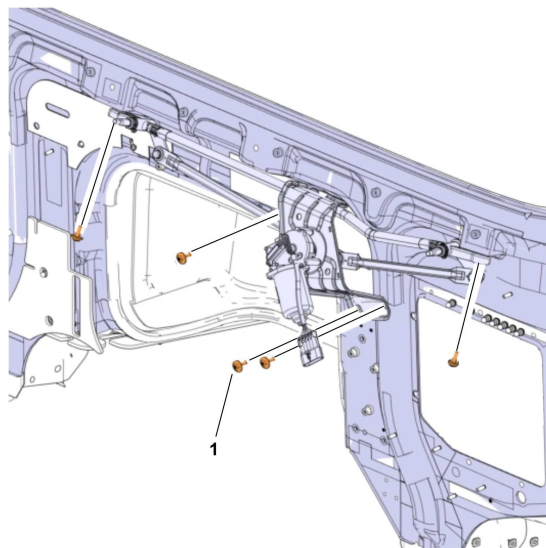
- 7 Disconnect the washer fluid hose and wiper motor connector.



W3090176

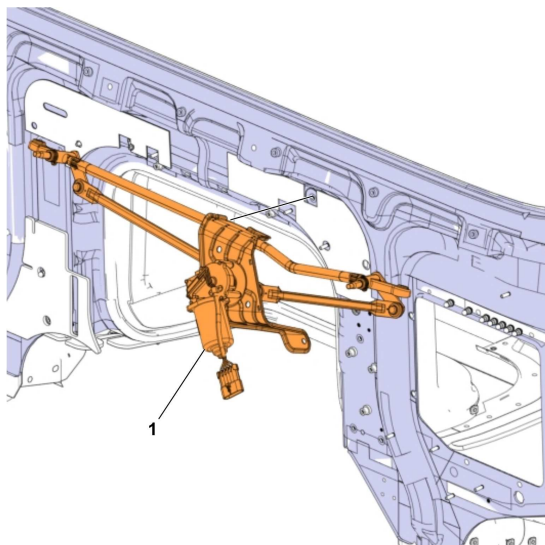
- 1 – Wiper Motor Connector
2 – Washer Fluid Hose

- 8 Remove the wiper linkage assembly.



W3090177

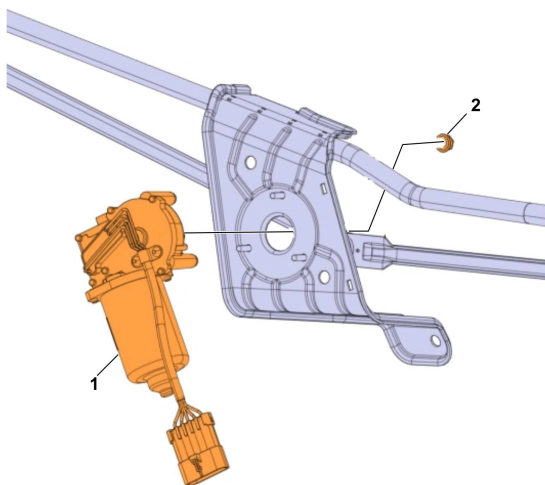
- 1 – Fastener



W3090178

1 –Wiper Linkage

9 Remove the wiper motor.

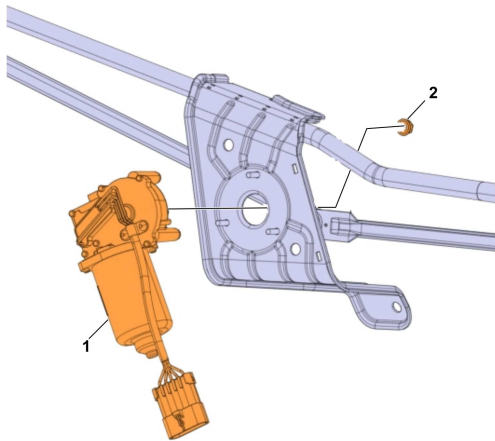


W3090179

1 – Wiper Motor
2 – Shaft Nut

10 Install the wiper motor onto the new wiper linkage assembly with three mounting bolts.

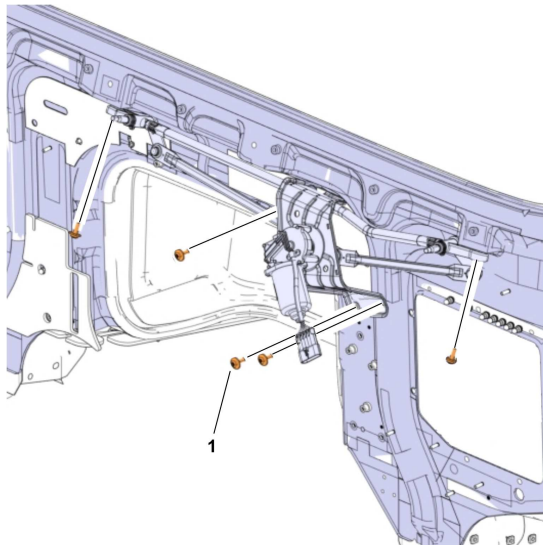
Start all bolts before tightening. Torque to 40–49 Nm (23–36 ft-lb). Install the shaft nut to the linkage arm. Ensure that the shaft and transmission arm are aligned so that the timing and placement of the windshield wipers are properly aligned when the windshield wipers are in the OFF position. Torque the nut to 10 –13 Nm (90 –115 in-lb).



W3090179

- 1 – Wiper Motor
- 2 – Shaft Nut

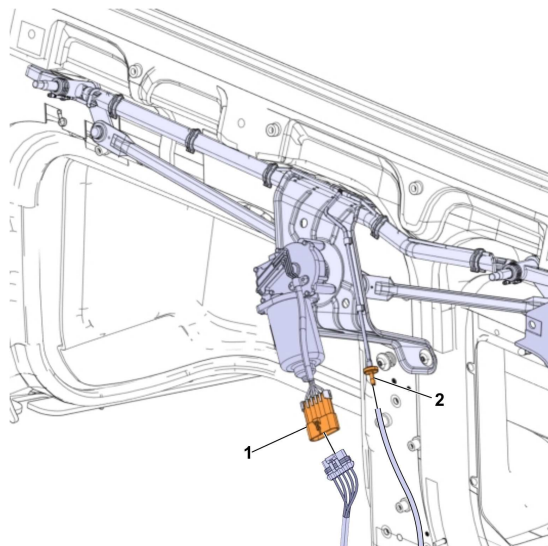
11 Align the windshield wiper assembly to the cowl, and install with the five torx bolts. Torque to 23 ± 2.5 Nm (199 ± 22 in-lb).



W3090177

- 1 – Fastener

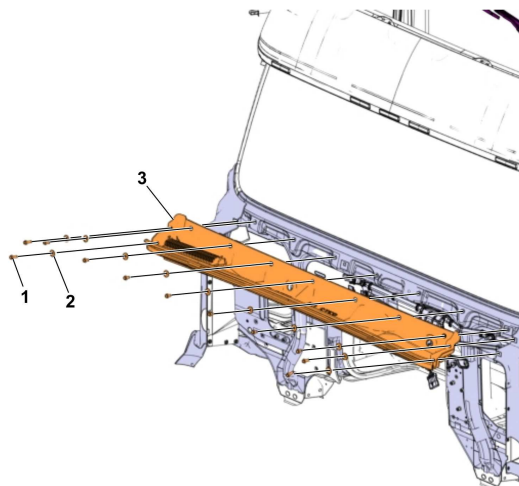
12 Connect the washer fluid hose and wiper motor connector. Secure both with cable ties.



W3090176

- 1 – Wiper Motor Connector
- 2 – Washer Fluid Hose

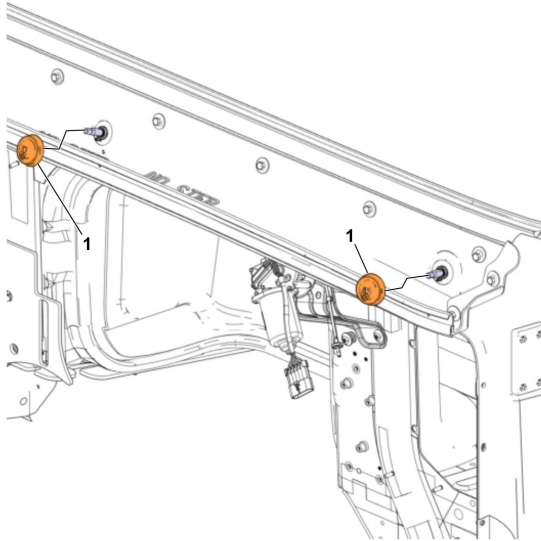
13 Install the upper center cowl. Torque the fasteners to 24 ± 4 Nm (212 ± 35 in-lb).



W3090175

- 1 – Fastener
- 2 – Washer
- 3 – Cowl

14 Install the wiper thru-shaft escutcheons.



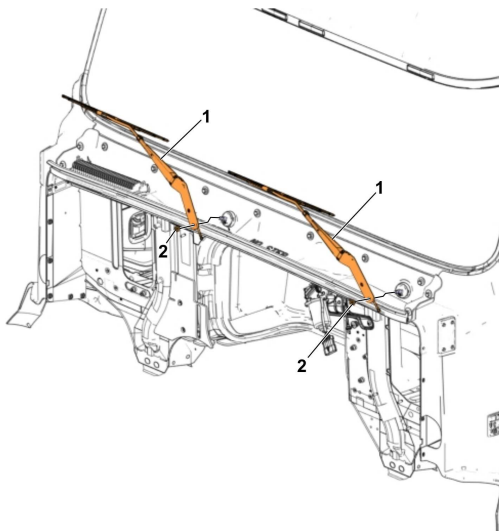
W3090174

1 – Wiper Thru-Shaft Fastener

15 Reset the wiper motor. To do this:

1. Turn the ignition key ON.
2. Cycle the wipers.
3. Turn the ignition key OFF.

16 Install the wiper arms and connect the windshield washer hoses. Torque the mounting nuts to 23 ± 3 Nm (203 ± 26 in-lb).



W3090173

- 1 – Wiper Arm
- 2 – Wiper Arm Mounting Nut

17 Install the wiper blades [standard wiper (part number 85142563), arctic wiper (part number 85142564)].

18 Check wiper operation.

19 Reconnect all previously removed cables to the negative (ground) and positive battery terminals.

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.	Reimbursement UHP	Reimbursement eWarranty
Claim Type (used only when uploading from the Dealer Bus. Sys.)	W	W
Labor Code		
Primary Labor Code	3634-03-09-01 0.7 hrs.	36323-2-00 0.7 hrs.
Causal Part	Labor Only	Labor Only

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