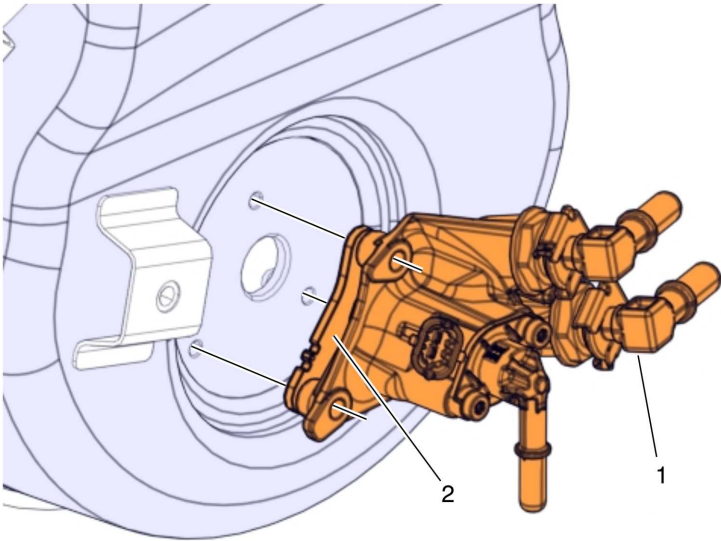


Aftertreatment Diesel Exhaust Fluid (DEF)
Dosing Valve, Replacement
VN

SP 258-038, Aftertreatment Diesel Exhaust Fluid (DEF) Dosing Valve, Replacement

(January 2017)

Certain VOLVO VN trucks built between 10/03/2016 and 11/07/2016 may experience a coolant leakage issue with the Aftertreatment Diesel Exhaust Fluid (DEF) Dosing Valve. To resolve this issue, replacement of the Aftertreatment DEF dosage valve is required. Using the vehicle Identification Number (VIN), confirm campaign eligibility in Vehicle Data Administration (VDA) prior to performing this update. Follow the replacement procedures outlined in this Service Program (SP).



W2119113

Repair Parts

Aftertreatment DEF Dosing Valve, Replacement Parts			
Item	Description	Part Number	Qty
1	Aftertreatment DEF Dosing Valve	22744063	1
2	Dosing Valve, Gasket	22677399	1

Aftertreatment DEF Dosing Valve, Replacement Procedure

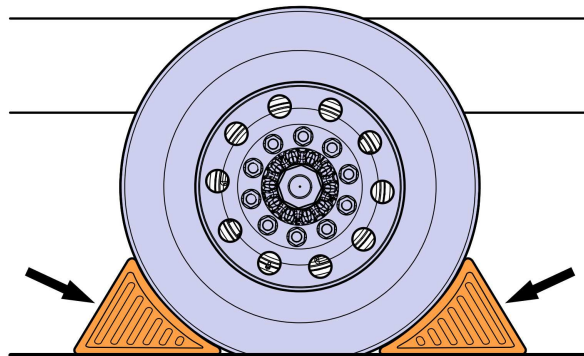
You must read and understand the precautions and guidelines in Service Information, group 20, "General Safety Practices, Engines" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.



DANGER

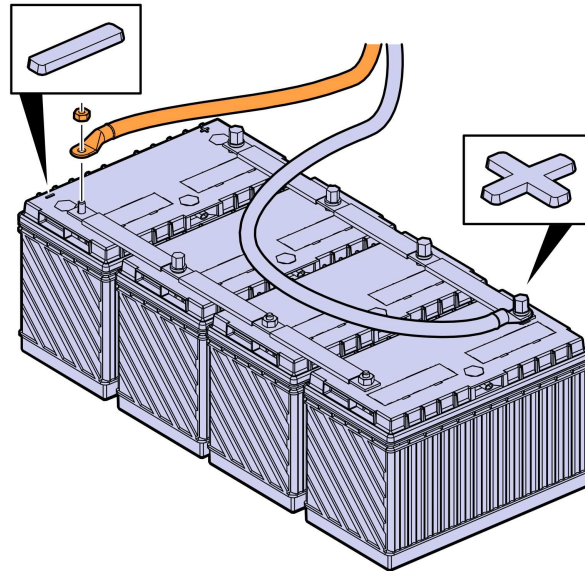
Do not attempt to repair or service this vehicle without having sufficient training, the correct service literature and the proper tools. Failure to follow this could make the vehicle unsafe and lead to serious personal injury or death.

- 1 Park the vehicle on a level surface and turn the front wheels to the left.
- 2 Apply the parking brake.
- 3 Place the transmission in neutral or park.
- 4 Install the wheel chocks.



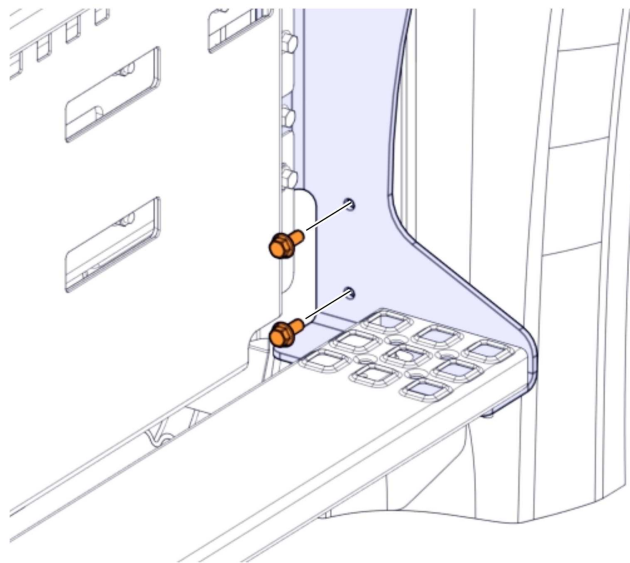
W7086748

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



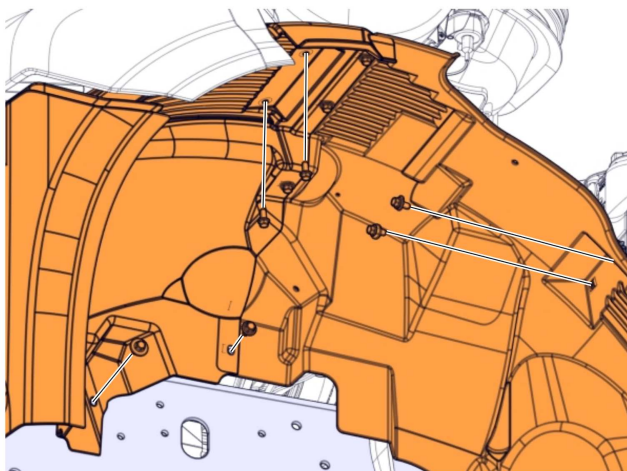
W3086747

- 6 Unlatch and raise the hood.
7 Remove the fasteners.



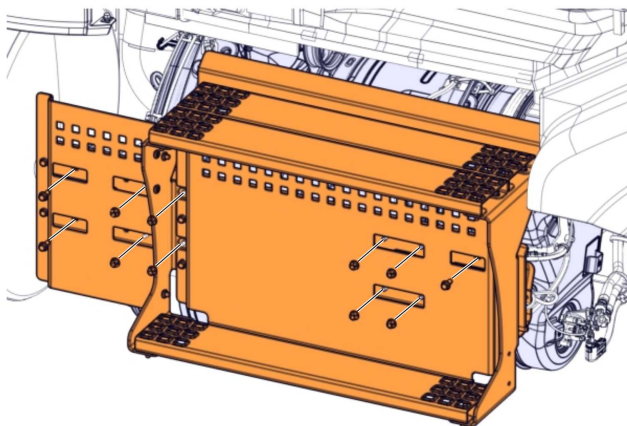
W2119102

- 8 Remove the fasteners.
- 9 Remove the liner.



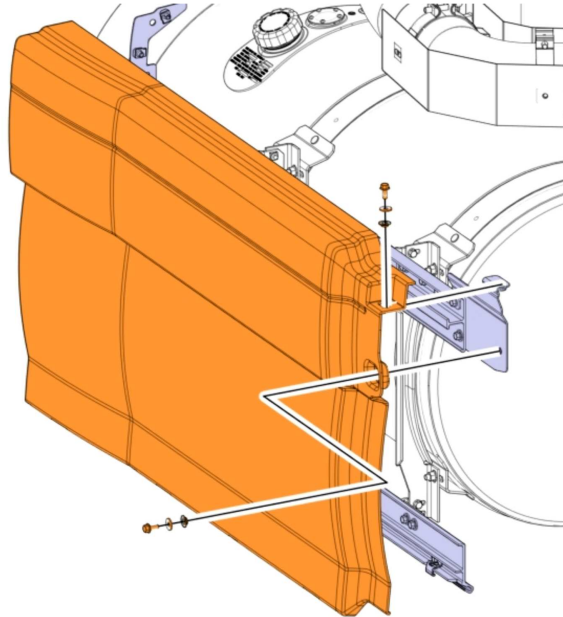
W2119103

- 10 Remove the fasteners.
- 11 Remove the foot step.



W2119104

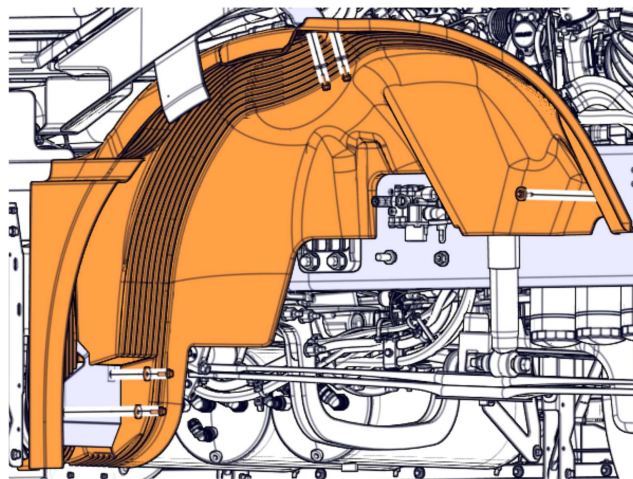
12 Remove the fairing.



W2119105

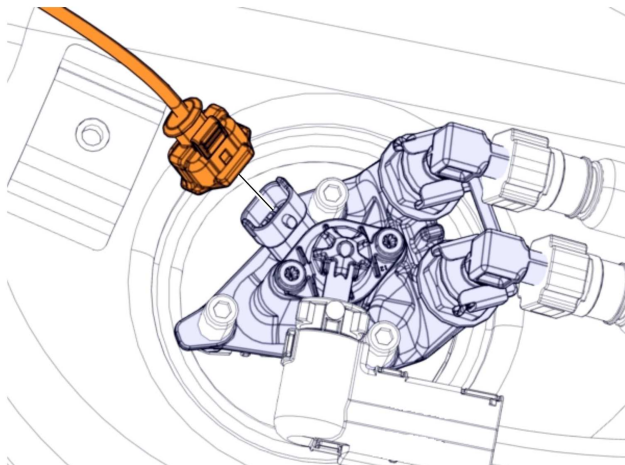
13 Remove the fasteners.

14 Remove the liner.



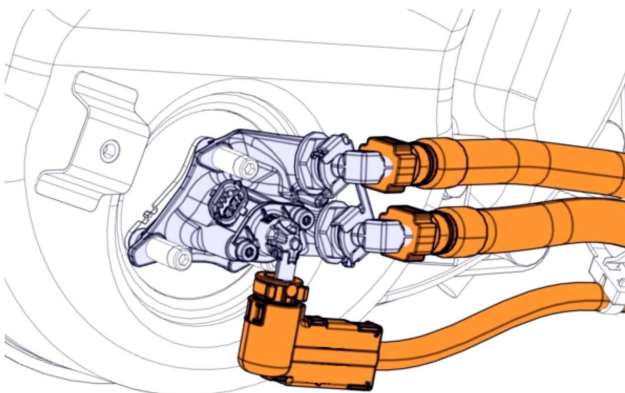
W2119106

15 Disconnect the connector.



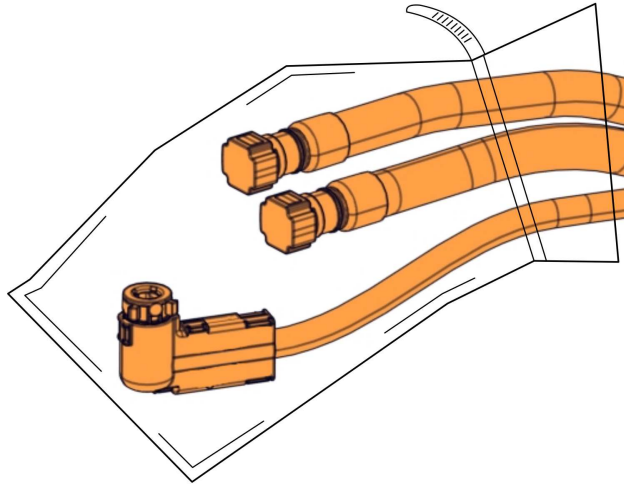
W2119107

16 Remove the valve hoses.



W2119108

17 Use a plastic bag to cover the hose connectors.

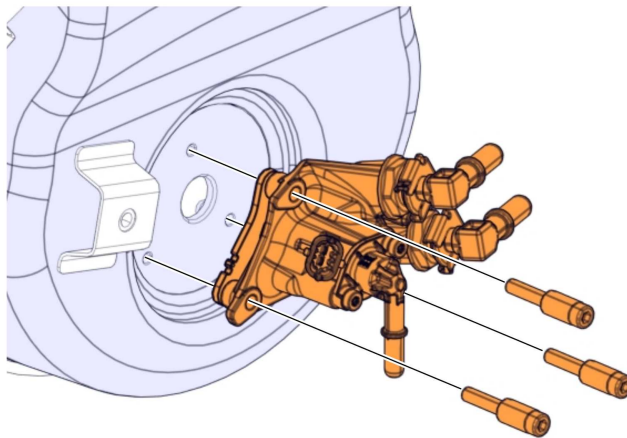


W2119109

18 Remove the fasteners.

19 Remove the dosing valve.

Note: Discard the washer. Do not reuse.

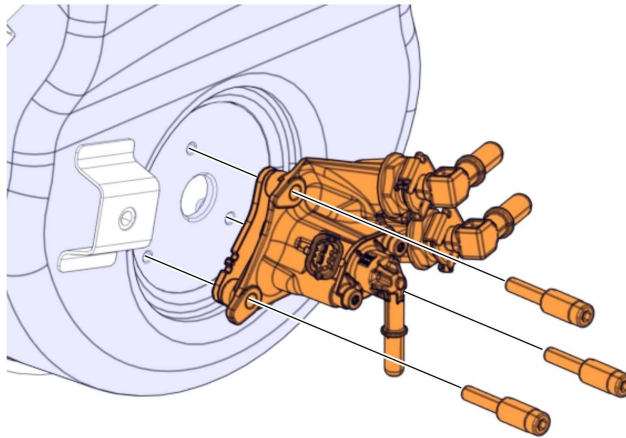


W2119110

20 Clean the mating surface.

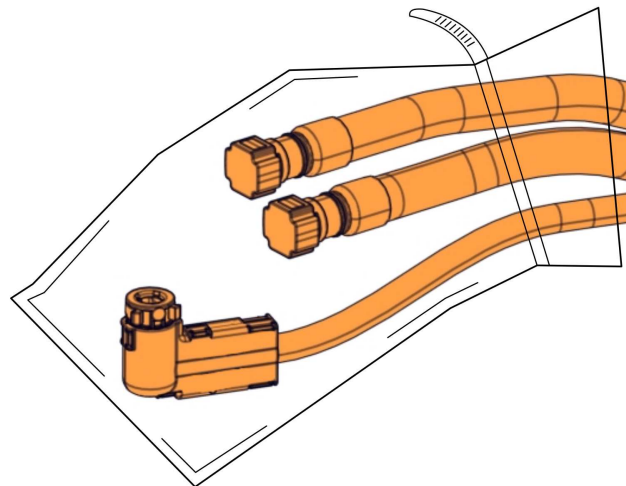
21 Using a new gasket, install the new dosing valve.

22 Tighten the fasteners securing the dosing valve to 10.1 ± 0.3 Nm (89 ± 3 in-lb).



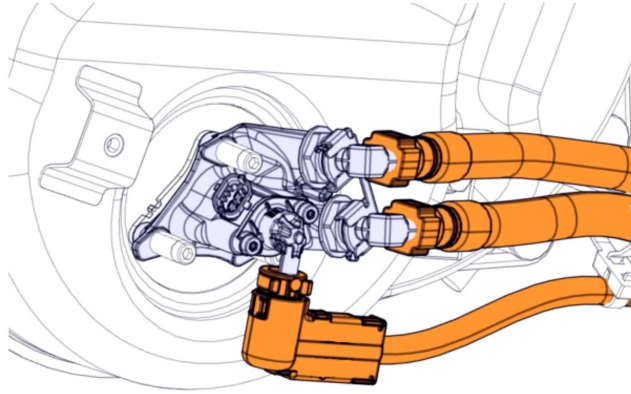
W2119110

23 Remove hoses from the bag.



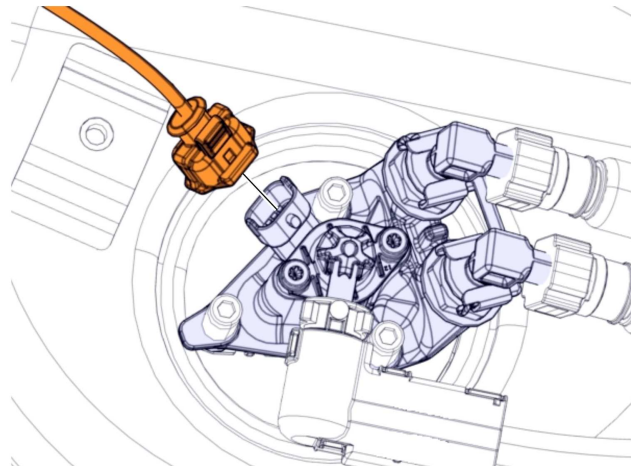
W2119109

24 Install the valve hoses.



W2119108

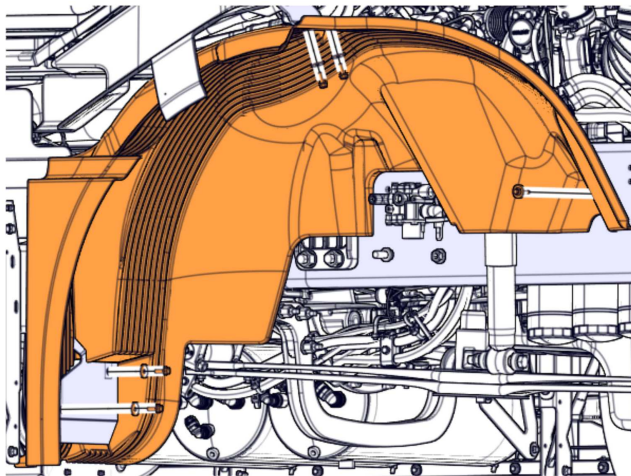
25 Connect the connector.



W2119107

26 Position the liner and install the fasteners.

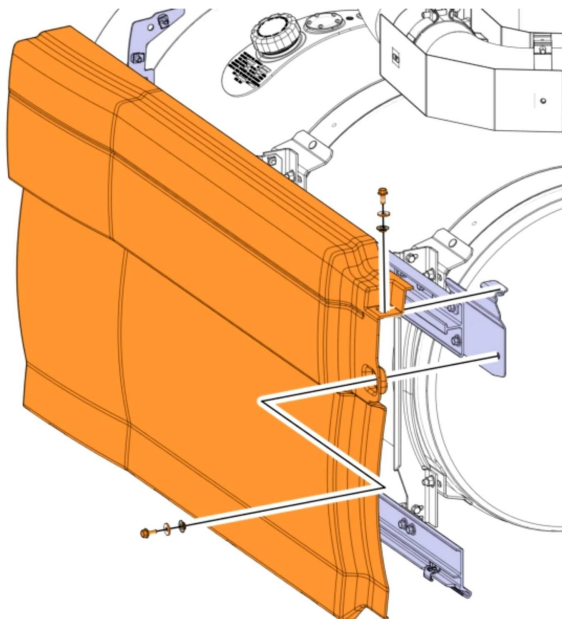
27 Tighten the fasteners to 24 ± 4 Nm (18 ± 3 ft-lb).



W2119106

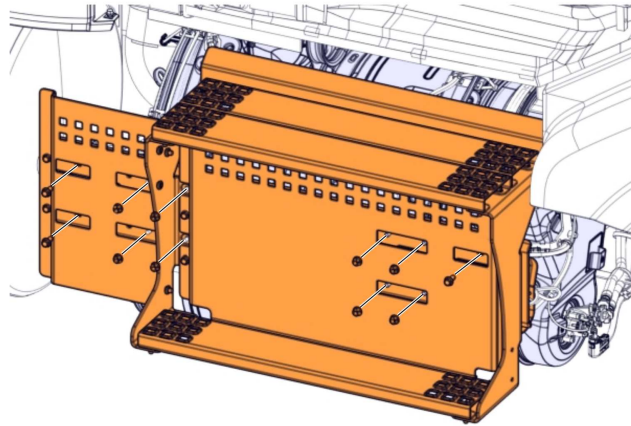
28 Install the fairing.

29 Tighten the fasteners to 24 ± 4 Nm (18 ± 3 ft-lb).



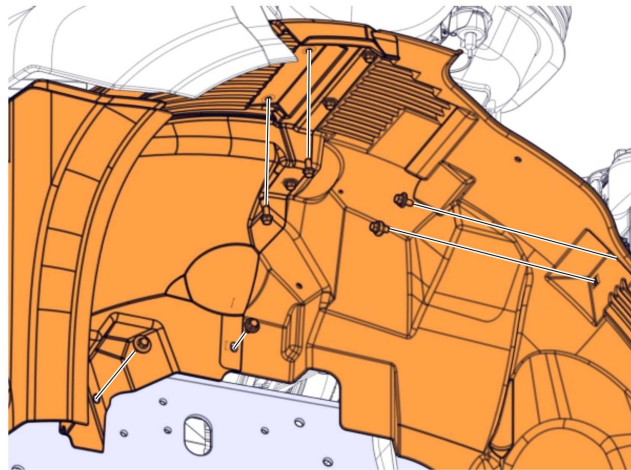
W2119105

- 30 Install the foot step.
- 31 Install the fasteners.
- 32 Tighten the fasteners to 24 ± 4 Nm (18 ± 3 ft-lb).



W2119104

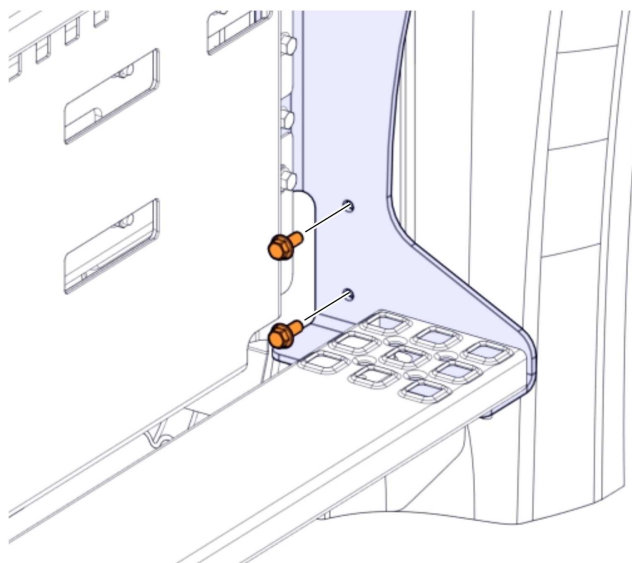
- 33 Position the liner and install the fasteners.
- 34 Tighten the fasteners to 24 ± 4 Nm (18 ± 3 ft-lb).



W2119103

35 Install the fasteners.

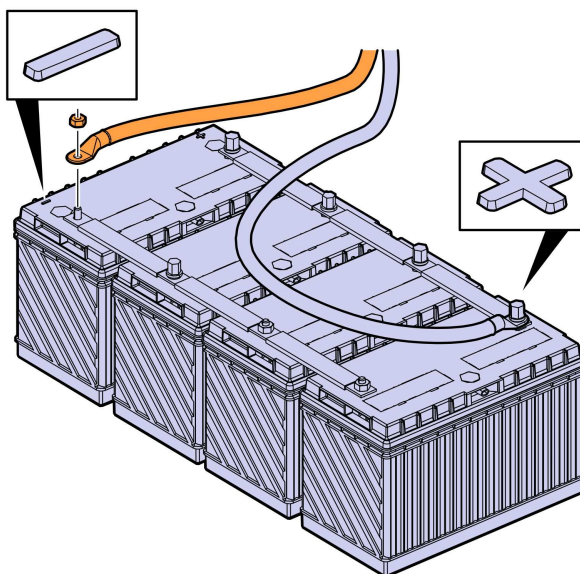
36 Tighten the fasteners to 24 ± 4 Nm (18 ± 3 ft-lb).



W2119102

37 Close and latch the hood.

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

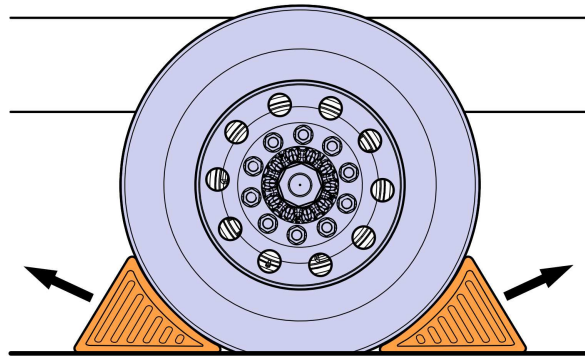


W3086747

39 Delete the diagnostic trouble codes (DTC's) according to the diagnostic tool (Premium Tech Tool) instructions.

40 Check the operation of any component disconnected during this procedure.

41 Remove the wheel chocks.



W7086759

Reimbursement

This repair is covered by an authorized Service Program. Reimbursement is obtained via the normal claim handling process.	UCHP Reimbursement
Recall Status	
Vehicle inspected, repair not required	1- Inspected OK
Vehicle repaired per instruction	2- Modified per instruction
Labor Code	
Primary Labor Code (Aftertreatment DEF Dosing Valve, Replacement)	2584-03-02-08 1.1 hrs
Labor Code (Steam Clean or Pressure Wash Vehicle)	1700-11-03-03 0.2 hrs
Time to take charge and determine campaign status	1700-16-01-01 0.3 hrs
Causal Part	22744063
Parts Disposition	Return to TMAC
SCC Code	S7153
Authorization Number	N/A
Expiration Date	30 - JAN - 2018

Note: 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 repair visit. If vehicle is having other warranty repairs performed, take charge should be charged to the warranty repair, otherwise take charge can be charged to this service program.