

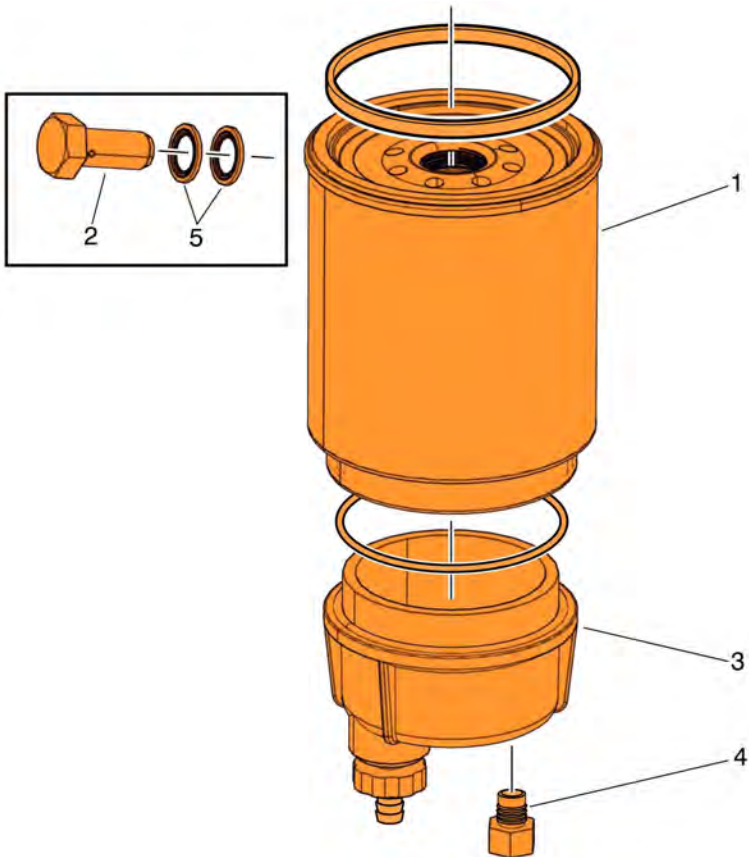
Primary Fuel Filter, Installation TD

PI0872, Primary Fuel Filter, Installation

November 2016

Certain MACK TD trucks built from 01/17/2014 to 07/15/2015 were built without a primary fuel filter and will require the installation of a primary fuel filter and replacement of the de-aeration valve on the fuel filter base. Follow the installation instructions outlined in this Product Improvement (PI).

Note: This bulletin does not apply to MACK Trucks Australia.



W2116094

Required Parts

Primary Fuel Filter, Installation Parts			
Item #	Description	Part Number	Qty
1	Primary Fuel Filter	21380521	1
2	De-aeration valve	20884328	1
3	Fuel bowl	21337071	1
4	Plug	7005-RK20126	1
5	Gasket	20852764	2

Primary Fuel Filter, Installation

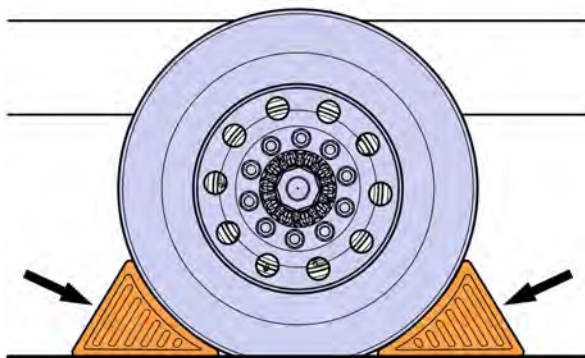
You must read and understand the precautions and guidelines in Service Information, group 20, "General Safety Practices, Engines" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.



DANGER

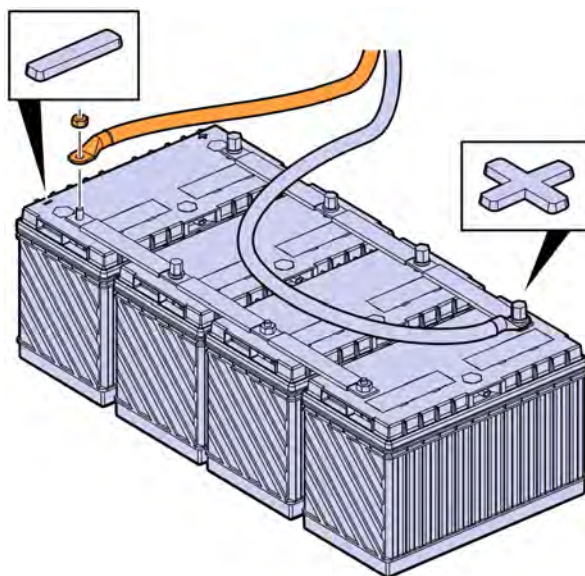
Do not attempt to repair or service this vehicle without having sufficient training, the correct service literature and the proper tools. Failure to follow this could make the vehicle unsafe and lead to serious personal injury or death.

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



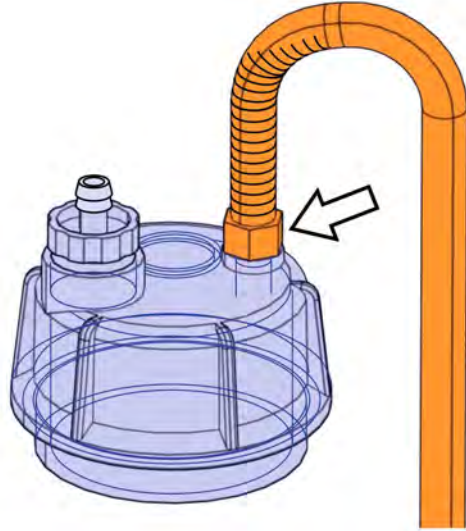
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- 5 Disconnect the cable from the battery's negative terminal.



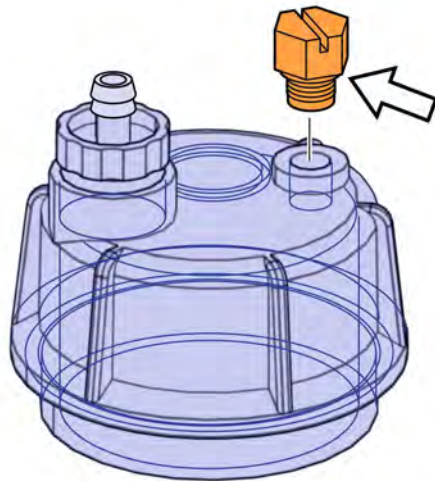
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- 6 Open the hood.
- 7 If applicable, remove the sensor from the new bowl assembly as shown in the figure below.



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- 8 Install the plug (part number 7005-RK20126) in the same locations as the removed sensor.
- 9 Tighten the plug to 1.1 – 2.2 Nm (10 – 20 in-lb).



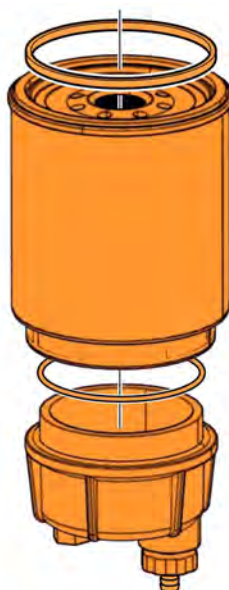
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- 10 Assemble the filter (part number 21380521), gasket, and fuel bowl (part number 21337071).

Note: Apply a light film of engine oil to the gasket prior to assembly of the filter and fuel bowl.

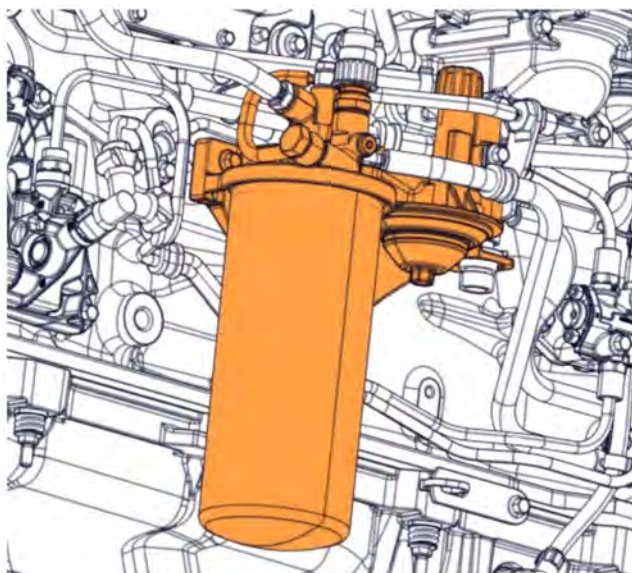
- 11 Hand tighten fuel bowl 1/4 to a 1/2 turn after the seal contacts the filter.

Note: Do not overtighten the fuel bowl.



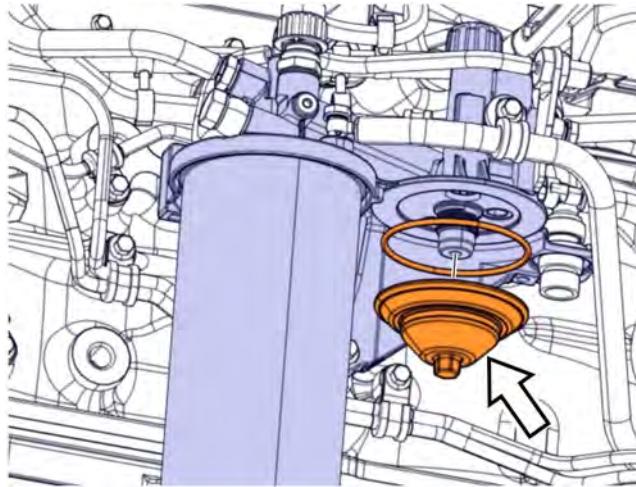
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- 12 Locate the existing fuel filter on the engine.



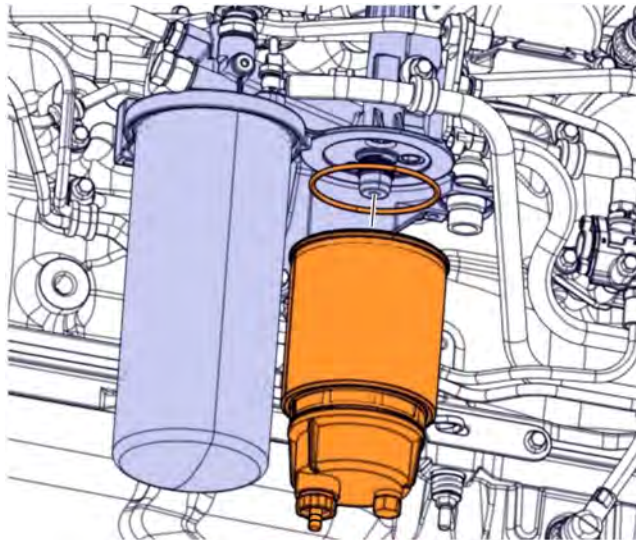
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- 13 Position a drip pan under the fuel filter housing.
- 14 Clean the area around the block-off cap and the fuel filter housing of any debris.
- 15 Remove the block-off cap from the fuel filter housing.



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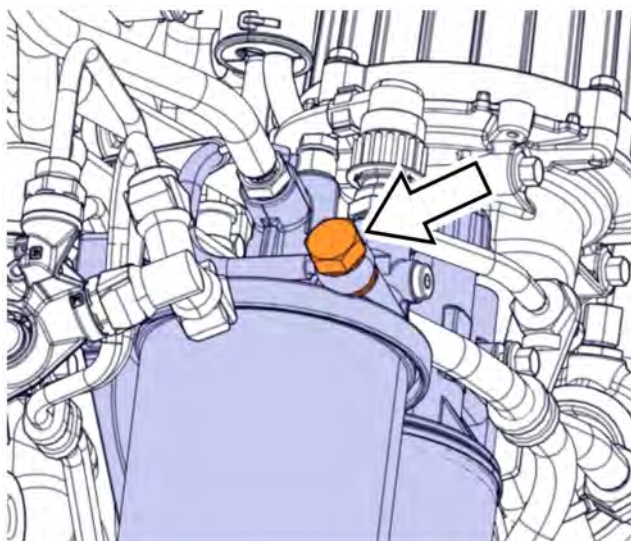
- 16 Install the fuel filter and bowl assembly on the fuel filter housing.
Note: Apply a light film of engine oil to the fuel filter seal prior to installation on the fuel filter housing.
- 17 Hand tighten fuel filter assembly 1/4 to a 3/4 turn after the seal contacts the filter housing.
Note: Do not overtighten the fuel filter.



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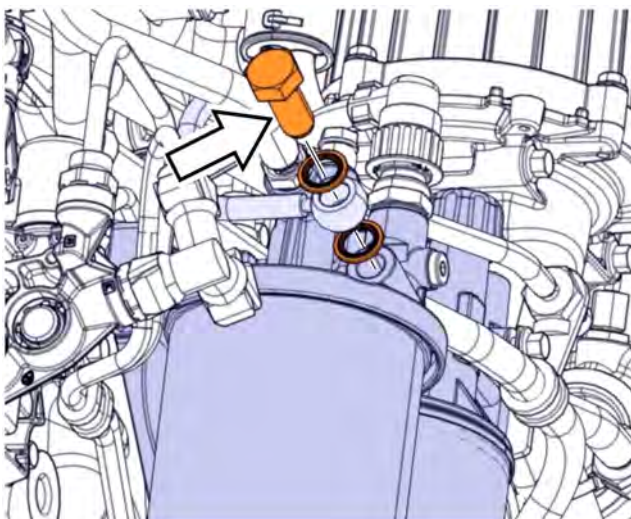
- 18 Remove any debris from around the de-aeration valve.
- 19 Remove the de-aeration Valve from the fuel filter housing.

Note: Discard the removed seals. Do not reuse.



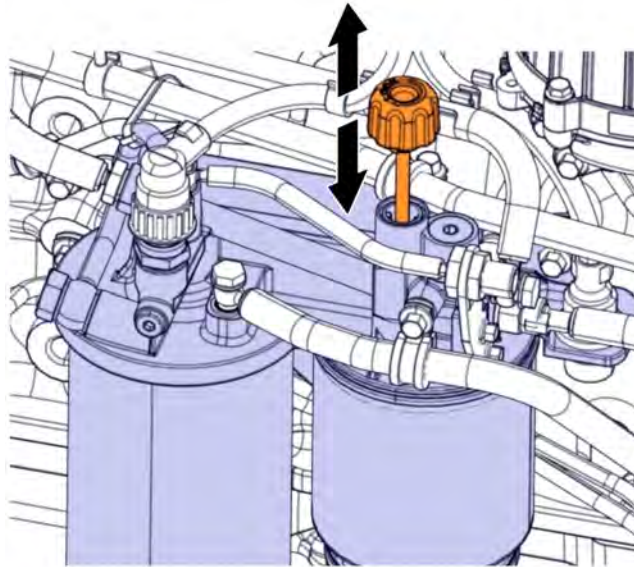
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- 20 Using new seals (part number 20852764), install the replacement de-aeration valve (part number 20884328).
- 21 Tighten the de-aeration valve to 38 ± 6 Nm (28 ± 4 ft-lb).



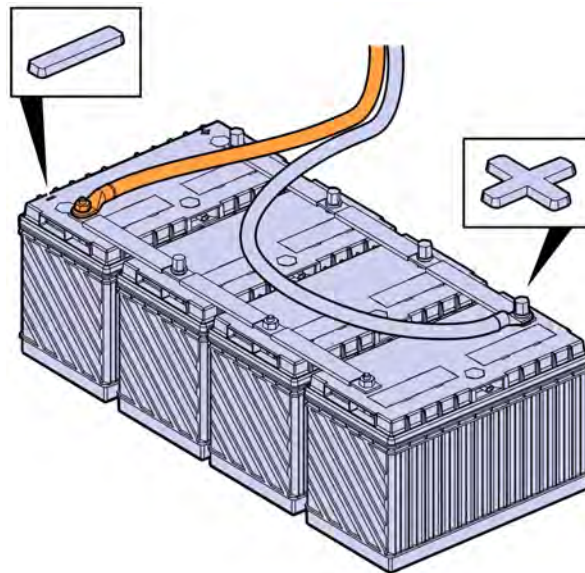
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22 Prime the fuel System as shown.



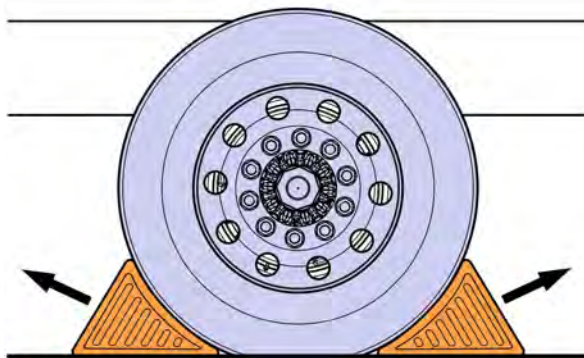
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23 Connect the cable to the battery's negative terminal.



W3086758

- 24 Start the engine.
- 25 Check for fuel leaks.
- 26 Remove the drip-pan from under the truck.
- 27 Close the hood.
- 28 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 (Primary Fuel Filter, Installation)	2334-02-09-01 0.5 hrs
Time to take charge and determine campaign status	1700-16-01-01 0.3 hrs
Causal Part	21380521
Parts Disposition	N/A
SCC Code	S7122
Authorization Number	N/A
Expiration Date	31 - DEC - 2017

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.