



Mack Trucks, Inc.
Greensboro, NC USA

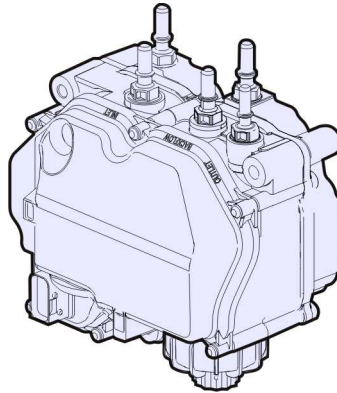
Service Bulletin Trucks

This service bulletin replaces bulletin 258-29 dated 5.2010.

Date	Group	No.	Release	Page
7.2013	258	29	02	1(4)

Filter, Diesel Exhaust Fluid (DEF),
Replacement
CHU, CXU, GU, LEU, MRU, TD

Filter, Diesel Exhaust Fluid (DEF), Replacement



W2054664

This information provides the correct procedure for replacing the diesel exhaust fluid (DEF) filter in the DEF pump on MACK US2010 emissions compliant vehicles.

Content

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

2583-03-02-01 Filter, Diesel Exhaust Fluid (DEF), Replacement

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



WARNING

Aftertreatment diesel exhaust fluid (DEF) is an irritant. Contact with DEF can irritate the skin and eyes. Inhaling DEF mist can cause lung irritation. Avoid DEF contact with skin and eyes. Avoid breathing mist created by DEF spray.

Removal

1
Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheels, and placing the transmission in neutral or park.

2
Disconnect all cables from the negative (ground) battery terminals to prevent personal injury from electrical shock and prevent damage to electrical components

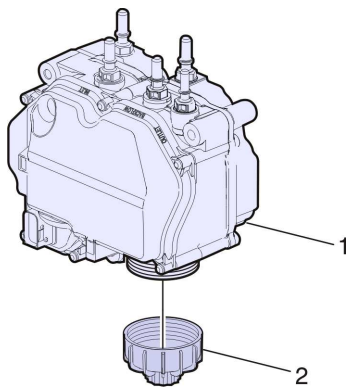
3
Remove components as necessary to access the aftertreatment diesel exhaust fluid (DEF) pump

4
Note: For information on the handling of DEF, refer to Engine Safety Practices, Function Group 20.

Note: Before you loosen the filter cover, place a suitable container under the DEF pump to catch fluid that may drain from the pump.

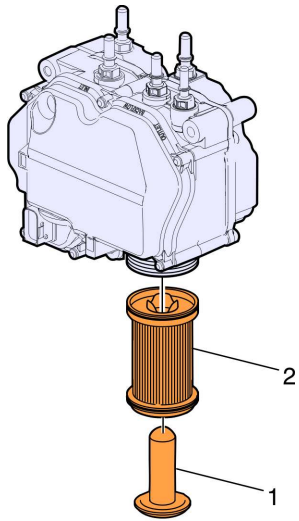
Clean the area around filter cover. Loosen and remove filter cover.

Note: Protect the filter area and housing from contamination.



- 1 Pump
- 2 Filter Cover

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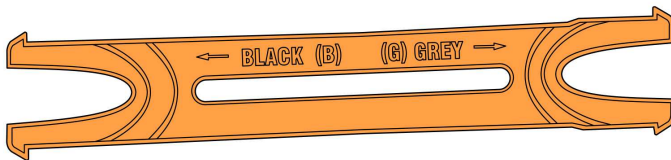


5
Use needle nose pliers to carefully remove the equalizer. Use the special tool included in the filter replacement kit to remove the filter element. Do not damage the sealing surface on the housing.

Note: Two different filters are used in the DEF pump. Use the end of the special tool that matches the color of the filter element.

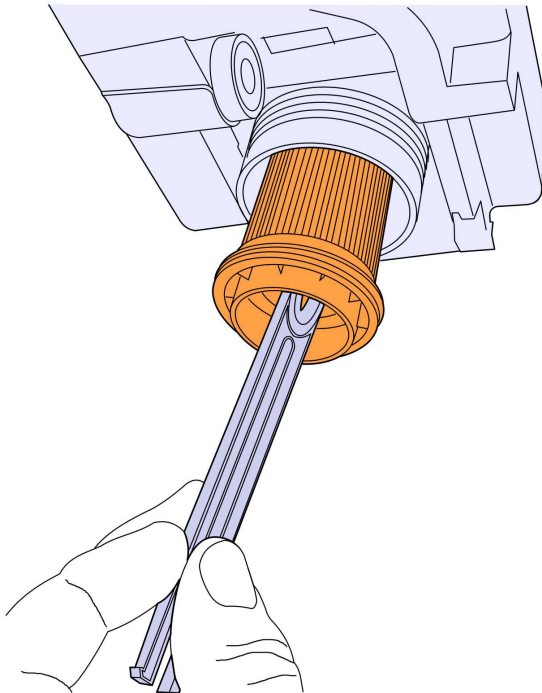
- 1 Equalizer
- 2 Filter Element

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Special Tool

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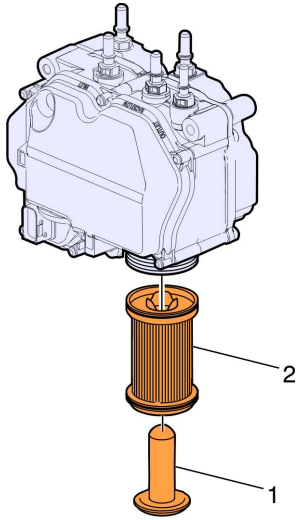


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Installation

1

Note: Insure that the sealing surface of the housing is clean.
Install new filter element and equalizer.



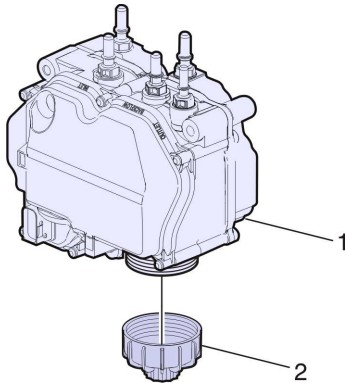
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- 1 Equalizer
- 2 Filter Element

2

Note: Check the filter cover and housing for damage. If either the filter cover or housing are damaged the damaged part must be replaced.

Install filter cover and tighten to specification, see Function Group 20.



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- 1 Pump
- 2 Filter Cover

3

Install any components removed to access the DEF pump.

4

Connect all previously removed cables to the negative (ground) battery terminals. Tighten to 20 ± 2 Nm (15 ± 1.5 ft-lb).

5

Properly dispose of any DEF drained from the filter opening. Do not reuse.

6

Clean any DEF residue from the pump assembly. Start the engine and verify no leaks at the filter cover.