

TO: Service Locations

FROM: Service Operations

SUBJECT: **W470589149100 - Filter Cap with Test Port**

### GENERAL INFORMATION

The Detroit Diesel special tool group has released a new essential tool for the fuel system on DD13, DD15, and DD16 engines equipped with a two-filter fuel system.

For service locations that are EPA07 and EPA2010 DD certified in SSI, no action is required. Tools will be automatically shipped and invoiced to your facility during the month of November. Locations that are **NOT** EPA07 and EPA2010 DD certified in SSI, will need to order the tools through the Paragon system.

The W470589149100 filter cap with test port, used in conjunction with the existing J-48706 gauge set, allows measuring of the low pressure pump inlet pressure.



### TOOL USAGE INSTRUCTIONS

1. Using a 36 mm socket, unscrew the pre-filter cap.
2. Pull the cap and pre-filter straight up and out of the fuel filter housing.
3. Remove the pre-filter (1) from the pre-filter cap (2) by placing the filter on a solid surface and applying pressure on the pre-filter cap (2) at an angle.

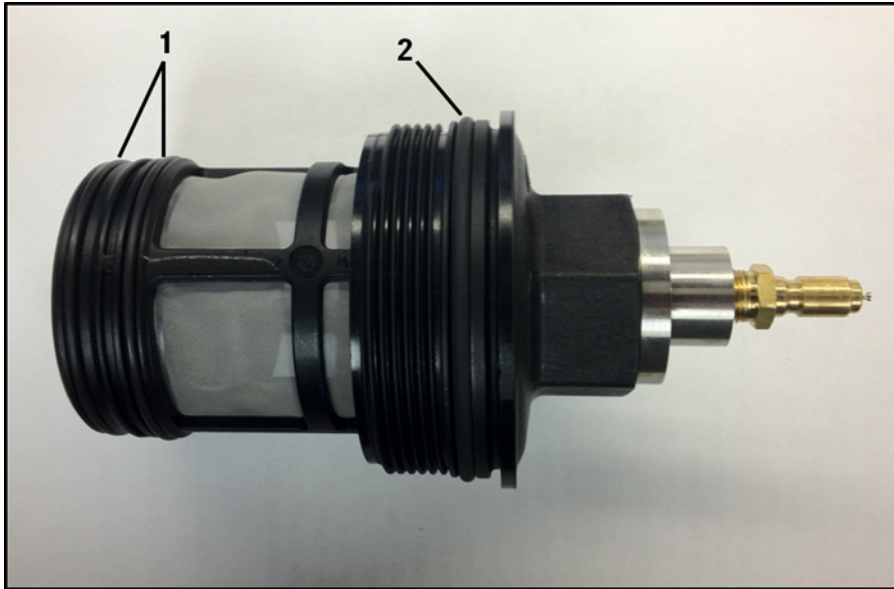


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4. Snap the pre-filter into the W470589149100 filter cap with test port.



5. Apply a thin coat of petroleum-based lithium grease to the pre-filter seals (1) and the W470589149100 filter cap seal ring (2).



6. Install the pre-filter into the fuel filter module.
7. Turn the W470589149100 filter cap with test port counterclockwise until a clicking sound is heard, then turn clockwise and hand tighten.  
NOTE: A 36 mm deep well socket is required to tighten the W470589149100 filter cap with test port.
8. Torque the W470589149100 filter cap with test port to 55-60 N·m (41-44 lb·ft).
9. Using the ESOC 350 priming unit, prime the fuel system.
10. Connect the J-48706 gauge set to the W470589149100 filter cap with test port.



11. Follow published diagnostics in Power Service Literature (PSL).

**ADDITIONAL INFORMATION**

Ordering Information - Tools will be automatically shipped and invoiced to your facility during the month of November. Locations that are **NOT** EPA07 and EPA10 DD certified in SSI, will need to order the tools through the Paragon system. Tools can be ordered through Paragon using a DDE supplier prefix.

- DDE W470589149100 Filter Cap w/Test Port

**CONTACT INFORMATION**

Please contact the Detroit™ Customer Support Center at 800-445-1980 or email [csc@daimler.com](mailto:csc@daimler.com) if you have any questions.