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Service Information Bulletin

SUBJECT	DATE
Test B -Two-Filter Fuel System	November 2012

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	EPA10 GHG14 DD Platform	Test B -Two-Filter Fuel System	New procedure for two filter (Mahle) fuel system.



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2 Test B – Two-Filter Fuel System

NOTICE: “Hard Start/No Start – Two Filter Fuel System” test MUST be complete before performing this test.

Table 1.

Service Tools Used in the Procedure	
Tool Number	Description
J-46392	Engine Barring Tool

Check as follows:



WARNING: PERSONAL INJURY

To avoid injury from the sudden release of a high-pressure hose connection, wear a face shield or goggles.



CAUTION: ELECTRICAL SHOCK

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

1. Was this vehicle recently reprogrammed or were any modules replaced?
 - a. Yes; verify the starter type and transmission type are set correctly. Refer to the appropriate Application and Installation manual.
 - b. No; Go to step 2.
2. Using DDDL 7.X, check for stored or active codes. Are codes present?
 - a. Yes; troubleshoot code(s) first.
 - b. No; Go to step 3.
3. Check all battery cables and connections. Are cables and connections OK?
 - a. Yes; Go to step 4.
 - b. No; reconnect or replace if necessary.
4. Measure and record the voltage at the battery terminals. Refer to Original Equipment Manufacturer (OEM) guidelines. Was the battery voltage at or above OEM specifications?
 - a. Yes; Go to step 5.
 - b. No; Charge the batteries.
5. Load test the batteries according to OEM specifications. Did the batteries pass the load test?
 - a. Yes; Go to step 6.
 - b. No; replace the defective battery (or batteries) and verify repair.
6. Check for battery voltage between the positive and negative connections at the starter motor. Is battery voltage present at the starter motor connections?
 - a. Yes; Go to step 7.
 - b. No; inspect the wiring between the battery and starter. Repair or replace as necessary.
7. Attempt to manually rotate the engine using W904589046300 Engine Barring Tool. Does the engine rotate normally?
 - a. Yes; Remove and bench test the starter. Inspect the flywheel and ring gear. Repair or replace damaged or faulty components as necessary.
 - b. No; Remove the accessory belts, then Go to step 8.
8. Attempt to rotate the engine with the W904589046300 Engine Barring Tool. Does the engine rotate normally with the accessory drive belt removed?

- a. Yes; identify and replace the seized accessory components (i.e. alternator, A/C compressor, water pump, cooling fan, etc.).
 - b. No; Go to step 9.
- 9. Inspect the gear driven components (i.e. turbo compound, high pressure fuel pump, air compressor, etc.) for signs of binding or failure. Are all of the gear driven components OK?
 - a. Yes; Obtain a Key ON engine OFF log file and DDEC Reports and contact Detroit™ Customer Support Center at (800) 445-1980
 - b. No; replace gear driven components as necessary and verify repair.