



No.: 07 TS-46  
September 5, 2007

TO: Service Locations

FROM: Technical Support Development

SUBJECT: **EPA07 MBE 900 SPN 3609, FMI ANY, DPF Inlet Pressure Sensors**

## ISSUE

Detroit Diesel has been receiving a number of **Diesel Particulate Filter** (DPF) pressure sensors that are showing no problem found (npf) when tested.

## REQUIRED ACTION

1. Disconnect the DPF pressure sensor tube from the sensor.
2. Connect DDDL.
3. Turn the ignition ON. (Note: DO NOT START ENGINE).
4. Access Voltage Service Routine.
5. Select "Start Acquiring".
6. Monitor "P\_DPF\_IN" voltage.
7. Is the voltage between .44 to .56 volts?
  - a. If yes, go to step 8.
  - b. If voltage is not within the range above, inspect electrical connections upstream to the MCM (Sensor, ATD harness 10-pin, 31-pin VIH and the 120-pin MCM) for corrosion or spread pins. If connector damage is found, repair as necessary. If no corrosion or damage is found, replace the suspect sensor.
8. Turn the ignition OFF.
9. Inspect the tube and fittings for kinks, blockage or restrictions.
  - a. If tube or fitting damage is found, repair as necessary.
  - b. If no obstructions are found, re-install tube and go to step 10.
10. Start the engine.
11. Select DPF Regeneration Service routine.

12. Select "Send Parked Regeneration Start Request". (Note: Regen safety entry condition must be met before regen will begin.)
13. Once regen has completed, clear all faults.
14. Road test vehicle. If fault does not reappear, testing is complete. If fault returns, contact CSC for further instruction.

**ADDITIONAL INFORMATION**

See ATD guide for further information regarding these faults.

**CONTACT INFORMATION**

If you have any further questions, please contact the Detroit Diesel Customer Support Center at 313-592-5800.