

No.: 05 TS – 47Rev
May 19, 2006

TO: DDC Distributors, FLLC Dealers

FROM: Technical Service

SUBJECT: **MBE 900 EGR Temperature Sensor**

ISSUE

EGR Temperature Sensor failure resulting in one or more of the codes below:

- EGR System-Temperature Above Normal (SID 146, FMI 0)
- EGR System-Temperature Below Normal (SID 146, FMI 1)
- EGR System-Bad Component (SID 146, FMI 12)

The EGR Temperature Sensor has been eliminated since September 7, 2005, effective with engine serial number 515294.

CAUSE

Faulty EGR Temperature Sensor.

REQUIRED ACTION

Do NOT replace the sensor. Reflash the PLD to turn off the sensor (refer to figure 2).

REPAIR PROCEDURE

Whenever an EGR temperature sensor fails and code SID 146, FMI 0, 1 or 12 is logged, perform the following repair procedure (See Figure 1).

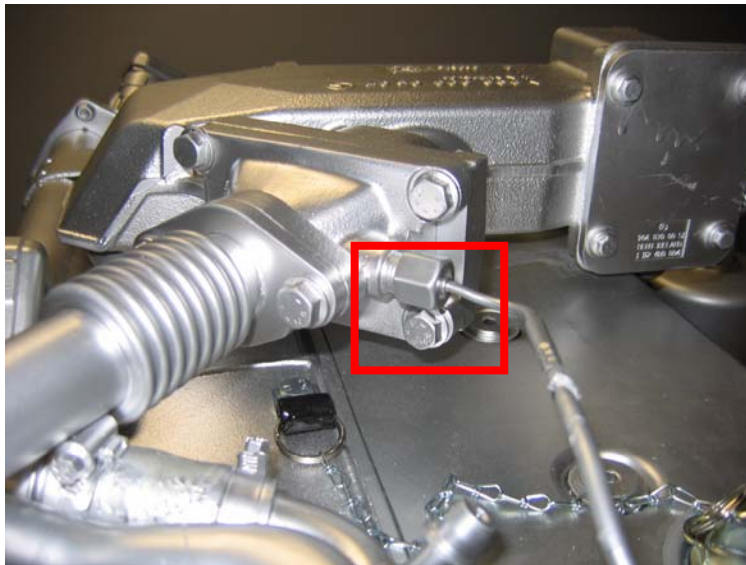


Figure 1 EGR Temperature Sensor

1. Confirm the sensor is at fault by following the troubleshooting steps for SID 146 in the *MBE900/4000 EGR Technician's Guide (7SE940)*.
2. If the sensor is at fault, do NOT replace the sensor. Leave the electrical harness connected to the sensor.
3. Reflash the PLD to update the fuel map which will turn off the sensor (Refer to Figure 2).

MBE Engines: PLD and VCU Programming

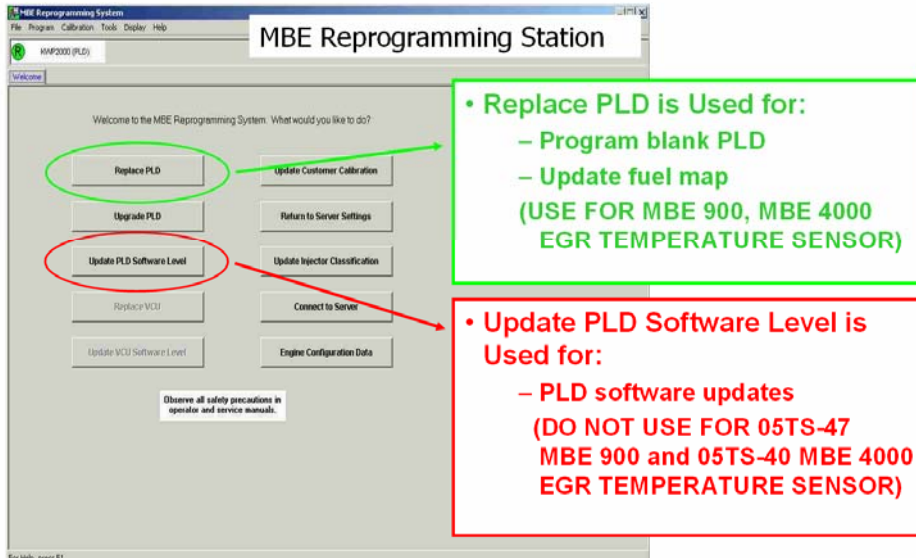


Figure 2 Reflashing the PLD

4. View the EGR temperature on Detroit Diesel Diagnostic Link (DDDL). No temperature will be displayed if the sensor has been successfully turned off.
5. Start and run the engine and confirm the sensor has successfully been turned off and no codes are logged.

CONTACT INFORMATION

Please contact the DDC Customer Support Center at 313-592-5800 if you have any questions.