

DETROIT DIESEL



DDEC® VI Troubleshooting

NUMBER: 07 DDEC VI-37 S.M. REF.: 86 ENGINE: EPA07 MBE 4000 DATE: December 2007

SUBJECT: SPN 1636/FMI 3

PUBLICATION: 6SE568

SPN 1636/FMI 3 has been changed.

SPN 1636/FMI 3

This diagnosis is typically Intake Air Temperature Sensor circuit failed high.

Check as follows:

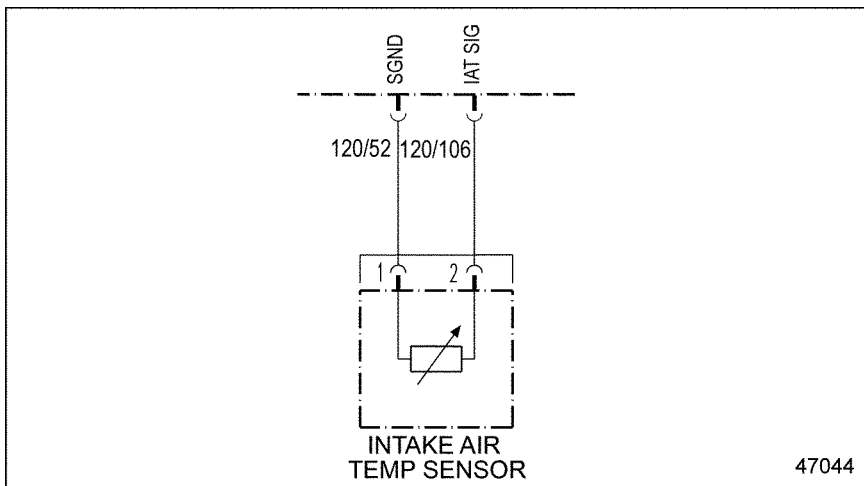


Figure 1 Intake Air Temperature Sensor

1. Disconnect the Intake Air Temperature Sensor.
2. Turn the Ignition ON.
3. Measure the voltage between pins 1 and 2 of the Intake Air Temperature Sensor harness connector.
 - [a] If the voltage is greater than 2.75v, replace the Intake Air Temperature Sensor.
 - [b] If the voltage is less than 2.75v, go to step 4.
4. Measure the voltage between pin 2 of the Intake Air Temperature Sensor harness connector and ground.

- [a] If the voltage is greater than 2.75v, repair open between pin 1 of the Intake Air Temperature Sensor harness connector and pin 52 of the MCM 120-pin connector.
- [b] If the voltage is less than 2.75v, repair open between pin 2 of the Intake Air Temperature Sensor harness connector and pin 106 of the MCM 120-pin connector.

ADDITIONAL SERVICE INFORMATION

Additional service information is available in one of the DDEC VI troubleshooting guides.

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