

Glow plug shorted

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|-------------------|----------------------|
| Topic number | LI15.20-N-036224 |
| Version | 1 |
| Design group | 15.20 Preglow system |
| Date | 09-27-2005 |
| Validity | Sprinter MY02-06 |
| Reason for change | |

Complaint:

DTC 1482-001

Glow Plug Module, Excessive Current

Cause:

Glow plug shorted to ground.

Consequently an internal fuse of the glow plug control module burned out.

Remedy:

Identify and replace the shorted glow plug as well as the glow plug control module.

The following test procedure should be used to identify the shorted glow plug:

- Disconnect the 6-pin output connector of the glow plug control module.
- Use a 12 gauge wire and a 20 Amp in-line fuse to connect the positive side of the battery with one pin of the connector going to the glow plug. If the fuse burns out within 10 seconds, the glow plug is shorted and needs to be replaced.
- Repeat that procedure for every pin going to each glow plug. If this is not done, the shorted glow plug will damage the new glow plug control module.

NOTE: The old version of the applicable wiring diagram shows an incorrect assignment of the glow plugs to the pins of the relay. In fact pin #1 goes to glow plug #1, pin #2 to glow plug #2 and so on.

Symptoms

Power generation / Engine management / Engine management indicator lamp / Preglow indicator/flame starting system / Lights up

Power generation / Engine management / Engine management indicator lamp / Preglow indicator/flame starting system / Does not go on

Power generation / Engine management / Engine management indicator lamp / Preglow indicator/flame starting system / Does not go off

Power generation / Engine management / Engine start / Long starting time

Control unit/fault code

| Control unit | Fault code | Fault text |
|-----------------------------|-------------|---|
| CR common rail | P1482 (004) | Glow output stage-Excess current |
| CR common rail (CR3_ NAFTA) | 1482 (001) | Preglow fault At least one of the glow plugs has a short circuit. |

