



NUMBER: 14-005-13

GROUP: Fuel System

DATE: December 19, 2013

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SUBJECT:

Fuel Gelling in Cold Ambient Temperatures

OVERVIEW:

This bulletin involves reconfiguring the Body Control Module (BCM).

MODELS:

2013 - 2014	DJ	Ram Pick Up (2500)
2013 - 2014	D2	Ram Pick Up (3500)
2013 - 2014	DD	Ram Cab Chassis (3500)
2013 - 2014	DP	Ram Cab Chassis (4500/5500)

NOTE: This bulletin applies to Ram Trucks equipped with a Cummins Turbo Diesel engine (sales code ETK) build before 12/14/13 (MDH 12/14/XX).

SYMPTOM/CONDITION:

Some customers may experience fuel related DTC's and/or hard or no start condition due to fuel gelling in cold ambient temperatures (20°F or -7°C) or below. DTC's, such as P0087 or P0191 (or other DTC's) may set.

DISCUSSION:

Ram Trucks equipped with a 6.7L Cummins Turbo Diesel exhibiting the above concerns have a condition that will cause the chassis mounted fuel filter heater not to function. The condition is due to a configuration setting in the Body Control Module (BCM). The engine mounted filter fuel heater is operating properly.

REPAIR PROCEDURE:

NOTE: In the following procedure, a configuration report is required for two different reasons. A) If the reconfigure does not complete properly, a list of configured items is retained. B) When the reconfigure is complete, the Diesel Fuel Heater Relay Output Present status can be validated.

1. Open the hood and connect a battery charger.
2. Turn ignition to On position.
3. Connect and start the WiTech scantool.
4. From Vehicle View (Topology) screen, select BCM
5. Select ECU Details tab.

6. Select Configuration button (upper right corner of table next to Overview button)
7. Generate and save a Configuration Report to your desktop. This is required to ensure configuration can be duplicated if an error occurs.
8. Select Misc. Functions.
9. Select Vehicle Reconfiguration.
10. Generate and view a Configuration Report and review on approximately page 9 of the report has changed the **Diesel Fuel Heater Relay Output Present** to **Set**. Also, on approximately page 17 of the report will show **DIESEL FUEL HEATER RELAY Usage** as **Connect Output to Run Start Ignition Relay API (Truck Usage)** (Figure 2).

NOTE: Any optional or aftermarket selected options or configurations will need to be reset manually by the dealer technician after the reconfiguration is complete.

11. Repair complete.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-02-C9	Body Control Module (BCM), Reconfigure (1 - Semi Skilled)	6D - ELECTRICAL	0.2 hrs.

FAILURE CODE:

ZZ	Service Action
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