



**No.: 08 TS-11**  
May 12, 2008

TO: Service Locations

FROM: Technical Support Development

SUBJECT: **DD15™ Engine Brake Solenoid Connectors and Wire Routing Problems**

### ISSUE

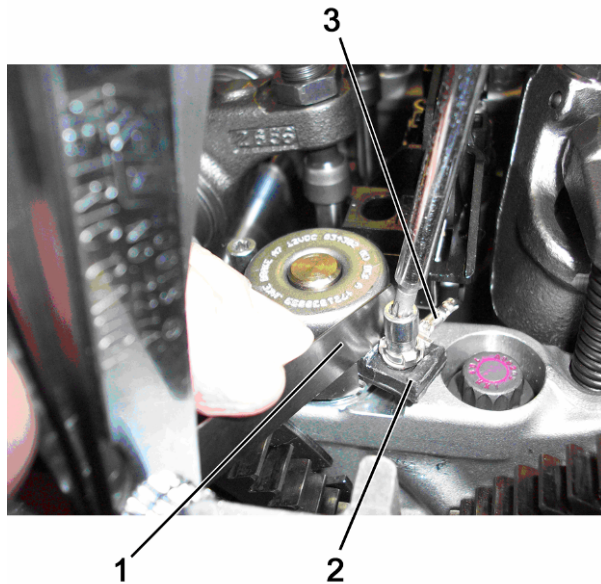
Drivability and engine brake performance concerns due to incorrect connection of the engine brake wires.

### CAUSE

Rotation of the engine brake connector during torque of the connector nut is causing contact between the connector and the solenoid housing.

### REQUIRED ACTION

Repair connection by placing a feeler gauge (or equivalent) between the solenoid connector and the solenoid housing as the connector nut is torqued to 1.5 N·m (13 in/lbs). See Figure 1.



- 1. Feeler Gauge
- 2. Spacer
- 3. Solenoid Connector

**Figure 1. Feeler Gauge Installed Between Solenoid and Connector**

**REQUIRED MATERIAL**

0.65mm feeler gauge

**REPAIR PROCEDURE**

When installing the injector harness, use a feeler gauge (or equivalent) as a spacer between the connector and the solenoid housing to keep sufficient clearance and avoid shorting the connector to the housing.

**CONTACT INFORMATION**

Please contact the Detroit Diesel Customer Support Center at 313-592-5800 or email [csc@detroitdiesel.com](mailto:csc@detroitdiesel.com) if you have any questions.