

SERVICE MANUAL INFORMATION

Group:	SERVICE MANUAL UPDATE
Bulletin No:	SB-16-035
Issue Date:	11-28-2016

Subject: CORRECTION OF WORKSHOP MANUAL FOR HINO600 SERIES Correction of DTC from P1681, P1682 to P04D5, P04D6

RELEVANT MODEL: 16MY-17MY Conventional Trucks

The following is to inform you of the above caption. This service data should be attached to the relevant pages of the workshop manuals for maintenance and to use for servicing.

OVERVIEW:

THE DTC P1681, P1682 are incorrect DTC's.

THE DTC P04D5, P04D6 are correct.

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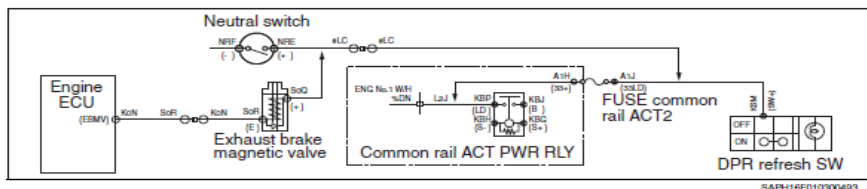
ENGINE CONTROL SYSTEM (J08E)

DTC: P04D5 and P04D6

CHANGE

EN01H16F01030F03001000

P04D5 Exhaust brake MV output open load/short to GND INFORMATION



1. Technical description

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<Description of malfunction>

- Exhaust brake magnetic valve is not working properly.
- Possible magnetic valve failure or GND short-circuit

2. DTC set condition

- (1) DTC detection condition
 - Exhaust brake inactivity request is in progress.
 - Starter switch ON. (starter does not operate).
 - Battery voltage is in the range of 10 V to 16 V.
 The conditions described above remain for 5 seconds or longer.
- (2) Judgment criteria
 - Exhaust brake magnetic valve circuit voltage is 2.8 V or lower.
 - Failure determination time: at least 3 seconds

3. Reset condition

- Immediately after normal operation is restored.

4. Indication, warning or system control regulation when the DTC is set.

- MIL: ON
- SVS light: OFF

5. Symptoms on the vehicle when the DTC is set

<Symptoms on the vehicle due to backup control (fail safe function)>

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<Symptoms on the vehicle due to malfunction>

- Exhaust brake is in operation.

6. Pre-inspection work

- Check that the battery voltage is in the normal range.

7. After-inspection work

- Clear all past DTCs.
- Check that no DTC is detected after test drive.



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8. Estimated failure factors

- GND short-circuit in exhaust brake drive signal line
- Malfunction of exhaust brake magnetic valve
- Malfunction of engine ECU



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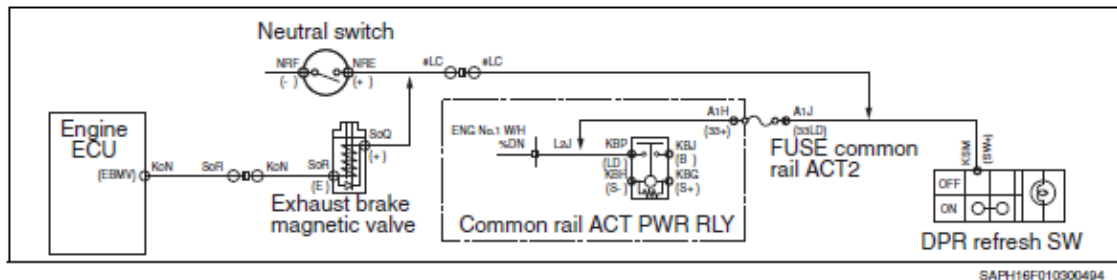
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ENGINE CONTROL SYSTEM (J08E)

P04D6 Exhaust brake MV output short to BATT INFORMATION

CHANGE



1. Technical description

- -

<Description of malfunction>

- Exhaust brake magnetic valve is not working properly.
- Possible magnetic valve failure or +B short-circuit or disconnection

2. DTC set condition

- (1) DTC detection condition
 - Exhaust brake inactivity request is in progress.
 - Starter switch ON. (starter does not operate).
 - Battery voltage is in the range of 10 V to 16 V.

The conditions described above remain for 5 seconds or longer.
- (2) Judgment criteria
 - Exhaust brake magnetic valve circuit voltage is 3 V or higher.
 - Failure determination time: at least 3 seconds

3. Reset condition

- Immediately after normal operation is restored.

4. Indication, warning or system control regulation when the DTC is set.

- MIL: ON
- SVS light: OFF

5. Symptoms on the vehicle when the DTC is set

<Symptoms on the vehicle due to backup control (fail safe function)>

- -

<Symptoms on the vehicle due to malfunction>

- Exhaust brake operates at all times (or does not operate when operation request is received).

6. Pre-inspection work

- Check the trouble diagnostic system and make sure it is okay.
- Check the battery voltage and make sure it is okay.

7. After-inspection work

- Clear all past DTCs.
- Check that no DTC is detected after test drive.



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8. Estimated failure factors

- +B short-circuit or disconnection in exhaust brake drive signal line.
- Malfunction of exhaust brake magnetic valve.
- Malfunction of engine ECU.



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