1 8 11-14

Service Information Bulletin

SUBJECT	DATE
SPN 525 (CPC) (GHG14)	August 2014

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	SPN 525/FMI 7 - GHG14	This is a new Section.

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Internal Error with the DT12 Shift Stalk Lever

Table 1.

Shift Lever Pin Number	Signal Description	CPC Connector Pin
1	12V Ignition	2/3 Ignition
2	LIN	2/4 LIN COM
3	GND	2/2 Main Battery Ground
4	No Connection	No Connection

Check as follows:

1. Disconnect shift stalk lever.
2. Turn ignition ON (key ON, engine OFF).
3. Measure voltage between pin 1 of the shift stalk harness connector and ground. Is the voltage between 11.5 and 12 volts?
    a. Yes; Go to step 4.
    b. No; Go to step 9.
4. Turn ignition OFF.
5. Disconnect the Common Powertrain Controller (CPC) connector #2.
6. Inspect CPC connector #2 for bent, spread or corroded pins . Was any damage found?
    a. Yes; repair as necessary.
    b. No; Go to step 7.
7. Measure the resistance between pin 4 of the CPC connector #2 and pin 2 of the shift stalk lever harness connector. Is the resistance less than 5 ohms?
    a. Yes; Go to step 8.
    b. No; repair wire between pin 4 of the CPC connector #2 and pin 2 of the shift stalk lever harness connector.
8. Measure the resistance between pin 2 of the CPC connector #2 and pin 3 of the shift stalk lever harness connector. Is the resistance less than 5 ohms?
    a. Yes; replace the shift stalk lever.
    b. No; repair wire between pin 4 of the CPC connector #2 and pin 3 of the shift stalk lever harness connector.
9. Turn the ignition OFF.
10. Disconnect CPC connector #2.
11. Measure the resistance between pin 4 of the CPC connector #2 and pin 2 of the shift stalk lever harness connector. Is the resistance less than 5 ohms?
    a. Yes; refer to Original Equipment Manufacturer literature for chassis side harness information on Ignition supply voltage to pin 3 of the CPC connector #2.
    b. No; repair wire between pin 4 of the CPC connector #2 and pin 2 of the shift stalk lever harness connector.

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