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Service Information Bulletin

SUBJECT	DATE
SPN 4258 (MCM) Series 60	January 2016

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0009	Series 60	SPN 4258/FMI 4 (MCM) Series 60	Update step 13 and add new step 12.

DiagnosticLink users: Please update the troubleshooting guides in DiagnosticLink with this newest version. To update the tool troubleshooting guide, open DiagnosticLink and from the Help - Troubleshooting Guides menu, select the appropriate troubleshooting manual, then click Update.



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This diagnostic is typically injector #1, 2, or 3 spill control valve circuit is shorted to ground.

Check as follows:

1. Disconnect the front injector harness 12-pin connector.
2. Inspect the front injector harness 12-pin connector for bent or spread pins; inspect the connector seal for damage (signs of water or oil intrusion). Are there any signs of damage to pins or connector?
 - a. Yes; repair as necessary.
 - b. No; Go to step 3.
3. Measure the resistance between pin 9 on the valve cover side of the front injector harness 12-pin connector and ground. If you are using J-48671-10, measure between injector #1 pin 3 and ground. Is the resistance greater than three ohms?
 - a. Yes; Go to step 11.
 - b. No; Go to step 4.
4. Remove the valve cover.
5. Disconnect injector #1.
6. Measure the resistance between pin 9 on the valve cover side of the front injector harness 12-pin connector and ground. If you are using J-48671-10, measure between injector #1 pin 3 and ground. Is the resistance greater than three ohms?
 - a. Yes; replace the #1 injector. Refer to section "Verify Repairs".
 - b. No; Go to step 7.
7. Disconnect injector #2.
8. Measure the resistance between pin 9 of the valve cover side on the front injector harness 12-pin connector and ground. If you are using J-48671-10, measure between pin 3 of injector #2 and ground. Is the resistance greater than three ohms?
 - a. Yes; replace the #2 injector. Refer to section "Verify Repairs".
 - b. No; Go to step 9.
9. Disconnect injector #3.
10. Measure the resistance between pin 9 on the valve cover side of the front injector harness 12-pin connector and ground. Is the resistance greater than three ohms?
 - a. Yes; replace the #3 injector. Refer to section "Verify Repairs".
 - b. No; replace the under valve cover Injector Harness. Refer to section "Verify Repairs".
11. Disconnect the 120-pin MCM connector.
12. Inspect the MCM2.1 120-pin connector and the 120-pin harness connector for signs of corrosion, spread, unseated (pushed out) or damaged pins, connector seal for damage (signs of water or oil intrusion) or signs of wire damage. Are there any signs of damage to pins or connector?
 - a. Yes; repair as necessary. Refer to section "Verify Repairs".
 - b. No; Go to step 13.
13. Measure the resistance between pin 9 on the front injector harness 12-pin connector and ground. If you are using J-48671-10, measure between pin 3 of injector #3 and ground. Is the resistance greater than three ohms?
 - a. Yes; replace the MCM. Refer to section "Verify Repairs".
 - b. No; repair the short to ground between pin 11 of the MCM 120-pin connector and pin 9 of the front injector harness 12-pin connector. Refer to section "Verify Repairs".