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Service Information Bulletin

SUBJECT	DATE
SPN 3242/FMI 4 -EPA10 - GHG14	March 2013

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	SPN 3242/FMI 4 - EPA10 - GHG14	Added step 5 to inspect ACM 120-pin connector and harness connector. Added step 7 to inspect Aftertreatment harness connectors and intermediate chassis wiring.



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This diagnostic is typically the Diesel Oxidation Catalyst (DOC) Inlet Temperature Sensor Failed Low.

1. Turn the ignition OFF (key OFF, engine OFF).
2. Disconnect the DOC inlet temperature sensor harness connector.
3. Inspect the DOC inlet temperature sensor harness connector for bent, pushed out, spread, or corroded pins.
 - a. If the pins are bent, pushed out, spread, or corroded, repair as necessary. Verify repairs.
 - b. If the DOC inlet temperature sensor harness connector shows no signs of damage, Go to step 4.
4. Disconnect the Aftertreatment Control Module (ACM) 120-pin connector.
5. Inspect ACM 120-pin connector and harness connector for bent, pushed out, spread, or corroded pins.
 - a. If there are signs of bent, pushed out, spread, or corroded, repair as necessary. Verify repairs.
 - b. If MCM 120-pin connector and harness show no signs of damage, Go to step 6.
6. Measure the resistance between pin 2 on the harness side of the DOC inlet temperature sensor connector and ground - (Battery Ground).
 - a. If the resistance is less than 1K ohms, repair the short to ground in the wire between pin 2 of the DOC inlet temperature sensor connector and pin 107 of the ACM 120-pin connector. Verify repairs.
 - b. If the resistance is greater than 1K ohms, Go to step 7.
7. Inspect Aftertreatment harness connectors (14-way or 47-way depending on application) and intermediate chassis wiring (OEM dependent) for bent, pushed out, spread, or corroded pins or signs of damage to the wiring.
 - a. If there are signs of bent, pushed out, spread, or corroded pins or harness damage, repair as necessary. Verify repairs.
 - b. If connectors and harness show no signs of damage, Go to step 8.
8. If problem is still unresolved, review previous steps. If issue is still not resolved, replace the DOC inlet temperature sensor. Refer to section "Removal of the EPA10 Diesel Oxidation Catalyst Inlet Temperature Sensor" or Refer to section "Removal of the GHG14 Diesel Oxidation Catalyst Inlet Temperature Sensor".