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Service Information Bulletin

SUBJECT	DATE
SPN 190 (EPA10) (GHG14)	May 2014

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform - EPA10 - GHG14	SPN 190/FMI 0 - EPA10 - GHG14	Complete revision of procedure.
DDC-SVC-MAN-0184	EUROIV	SPN 190 (MCM1)	



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2 SPN 190/FMI 0 - EPA10 - GHG14

Engine Speed High

SPN 190/FMI 0 is an information code which indicates the Motor Control Module (MCM) detected an engine speed greater than 2500 rpm for a specific amount of time.

Check as follows:

NOTE: If the unit is a crank no-start, Refer to section "Hard Start/No Start - Two-Filter Fuel System (This Test Must Be Done First)".

1. Inspect the Exhaust Gas Recirculation (EGR) hot pipe for fuel. Is fuel present in the EGR hot pipe?
 - a. Yes, fuel is present. Refer to section "Test-E - Two-Filter Fuel System".
 - b. No; Go to step 2.
2. Connect using DiagnosticLink™. Go to step 3.
3. Turn the ignition ON (key ON, engine OFF). Go to step 4.
4. Review the extended fault data for SPN 190/FMI 0 Engine Speed High in DiagnosticLink™. Is the engine speed 3000 rpm or higher?
 - a. Yes; replace both camshafts. Inspect engine brake rocker arms for loose actuator piston retainers and loose or missing return springs. Repair as necessary; Go to step 6.
 - b. No; Go to step 5.
5. Check the maximum engine speed on DDEC reports. Is the maximum engine speed 3000 rpm or higher?
 - a. Yes; replace both camshafts. Inspect engine brake rocker arms for loose actuator piston retainers and loose or missing return springs. Repair as necessary; Go to step 6.
 - b. No; no repair is necessary. If no other issues are present, release the vehicle.
6. Perform a cylinder leak-down test. Refer to section "Cylinder Leak Down Test ". Did all cylinders pass the leak-down test?
 - a. Yes; reassemble the engine and road test to verify repairs.
 - b. No; remove the head and inspect for damage. Repair as necessary.