299.1 SPN 2630/FMI 2 - EPA10

Engine air temperature - plausibility fault out of range (high box)

SPN 2630/FMI 2	
Description	Engine Air Temperature - Plausibility Fault Out of Range (High Box)
Monitored Parameter	Intake Manifold and Charge Air Cooler Outlet Temperature
Typical Enabling Conditions	Engine speed 1100-1600 RPM, torque 500-1200 N·m, EGR mass flow greater than .1 kg/s, coolant temperature greater than 70C, ambient temperature greater than -8C, barometric pressure greater than 755 mbar.
Monitor Sequence	none
Execution Frequency	Always enabled
Typical Duration	10
Dash Lamps	MIL, CEL
Engine Reaction	Derate 25%
Verification	Once engine is warmed up such that coolant temperature greater than 70C and ambient conditions are such that ambient temperature greater than -8C and barometric pressure greater than 755 mbar, run vehicle with a light load on a flat highway

1. Connect DiagnosticLink .
2. Are any other EGR system related faults also present?
   2.a Yes; repair those faults first.
   2.b No; Go to step 3.
3. Disconnect both charge air outlet and intake manifold temperature sensors.
4. Inspect temperature harness connectors for bent, spread or corroded pins, repair pin damage if found and replace the intake manifold temperature sensor. Refer to section "Removal of the Intake Manifold Air Temperature Sensor" .