

INFORMATION : FAULT CODE P0299 (ENGINE MANAGEMENT ECU)*DV6C TURBO DIESEL*

Engine ECU CONTINENTAL SID 807 branch 2	
Fault code	P0299
After sales description of the fault code	Charge pressure regulation : Air pressure below the reference value
Description of the diagnostics	For an engine speed between 2000 and 3000 rpm at full load, the turbocharged air pressure measured is 300 mbars lower than the reference value for 5 seconds (Thresholds weighted in relation to the engine speed, the load, the atmospheric pressure and the air temperature at the air flow sensor)
Conditions of activation of the diagnostics	The following conditions have to be met - Engine speed above 2000 rpm - Engine torque higher than 200Nm
Conditions of disappearance of the fault	3 drives in succession for 5 minutes with several full load accelerations for 10 seconds (Ignition off and restarting between each drive)
Down-grade modes if fault present	Closing of the EGR (exhaust gas recycling) valve
	Irreversible deactivation of the vehicle cruise control
	Switching of the turbocharging pressure regulation to controlled mode
	Deactivation of the request for regeneration of the particle filter from the diagnostic tool
	Sending of the information "torque uncertain" on the CAN network
Switching on of the warning light and/or warning message	Warning lamp MIL
Main customer complaints likely	Jerking/stalling
	Noise
	Lack of power
	Smoke from the exhaust
	Slightly higher fuel consumption
	Fluid leak/smells (diesel fuel, oil, etc.)
	Loss of braking
	Absence of automatic stopping of the internal combustion engine (Si le véhicule est équipé du système Stop and Start)
	Problem with automatic restarting of the internal combustion engine (Si le véhicule est équipé du système Stop and Start)
Suspect areas	Atmospheric pressure sensor in the engine management ECU
	Clogged air filter
	Air temperature sensor at the air flowmeter
	Leak between turbocharger and air mixer
	Leak between air mixer and engine inlet (including EGR take-off)

Blockage of the turbocharging air cooler
Manifold air entry pressure sensor
turbocharger
Turbocharger variable geometry control solenoid valve
Turbocharger variable geometry position repeat sensor
Exhaust gas recycling valve
oil
sump
Oil suction strainer
oil pump
Lubrication circuit of the turbocharger
vacuum pump
Vacuum circuit leak
Electrical harnesses
Connectors

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