

INFORMATION : FAULT CODE P0401 (ENGINE MANAGEMENT ECU)

DV6C TURBO DIESEL

Engine ECU CONTINENTAL SID 807 branch 2	
Fault code	P0401
After sales description of the fault code	Air circuit : Quantity of fresh air above the reference value
Description of the diagnostics	The measured air flow is greater than the reference by more than 110 mg/stroke for 10 seconds
Conditions of activation of the diagnostics	The following conditions have to be met - Engine speed between 700 and 3000 rpm - EGR regulation in operation (Mid-load or low load) - Do not be in particle filter regeneration
Conditions of disappearance of the fault	3 drives in succession during 5 minutes remaining below 2500 rpm and at half load (Ignition off and restarting between each drive)
Down-grade modes if fault present	Closing of the ECU valve
	Irreversible deactivation of the vehicle speed limiter
	Irreversible deactivation of the vehicle cruise control
	Deactivation of taking account of the tight spot information
	Switching of the turbocharging pressure regulation to controlled mode
	Deactivation of the request for regeneration of the particle filter from the diagnostic tool
	Deactivation of the "easy-move" (electric parking brake) functionality
Switching on of the warning light and/or warning message	Warning lamp MIL
Main customer complaints likely	Jerking/stalling
	Noise
	Lack of power
	Slightly higher fuel consumption
	Fluid leak/smells (diesel fuel, oil, etc.)
	Engine overheating with illumination of the engine coolant temperature indicator light
	Smoke from the exhaust
	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
	Manifold air entry pressure sensor
	Leak between air mixer and engine inlet (including EGR take-off)
	Air leak between turbocharger and mixer

	Air flow meter
	Leak on the air mixer
	Leak on the turbocharging air cooler
	Turbocharger
	Turbocharger variable geometry control solenoid valve
	Turbocharger variable geometry position repeat sensor
	EGR valve
	Air leak on the EGR exchanger with by-pass
	Leak on the EGR circuit
	Electrical harnesses
	Connectors

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