

INFORMATION : FAULT CODE P1162 (ENGINE ECU)

MOUNTING DELPHI AND DIESEL TURBO DW10BTED4 OR MOUNTING BOSCH AND DV6ATED4 TURBO DIESEL OR SIEMENS ASSEMBLY AND DW10BTED4 TURBO DIESEL WITHOUT FAP OR SIEMENS ASSEMBLY AND DIESEL TURBO DW10BTED4 OR MOUNTING BOSCH AND DIESEL TURBO DV6TED4 FAP OR MOUNTING BOSCH AND DIESEL TURBO DV6TED4 WITHOUT FAP OR MOUNTING DELPHI AND DW10BTED4 TURBO DIESEL WITHOUT FAP OR MOUNTING BOSCH AND DIESEL TURBO DV6TED4 90HP FAP

SIEMENS ASSEMBLY AND DIESEL TURBO DW10BTED4 OR SIEMENS ASSEMBLY AND DW10BTED4 TURBO DIESEL WITHOUT FAP

Engine ECU Siemens SID803	
Fault code	P1162
After sales description of the fault code	Electric EGR valve operating fault : Sticking of the solenoid valve while driving
Main customer complaints likely	The switching on of the warning light depends on the engine - Lack of power - Engine hesitation - Noise : Cold - Smoke
Back-up mode following returning of the faults	If the warning lamp lights - The engine management ECU stops the EGR regulation (*) - The electric EGR valve auto-programming operations are no longer carried out - The ECU limits the flow of fuel and prohibits the cruise control/speed limiter
	If the warning lamp does not light : No back-up mode
Conditions for returning of the fault	These faults are returned to confirm the loop difference faults P0490 or P0489 : The electric EGR valve tends to jam
Suspect areas / Faulty components	Programming of the electric EGR valve
	Type of solenoid valve DW10B Siemens : The electric EGR valve should be of type U
	Particle filter (In the case of vehicles fitted with a particle filter (PEF)). If the particle filter is partially clogged it may create a counter-pressure at the exhaust which prevents the opening of the electric EGR valve
	Electric EGR valve
Appropriate tools	Adaptor harnesses
	multimeter
	Controlled terminal box (in manual mode) or manual terminal box
Engine concerned	DV6, DV4 Bosch, DW10B Delphi, DW12B Bosch

(*) Consequence for the parameter measurements :

- Electric EGR valve control OCR = 0 %
- Position repeat = 0 %

MOUNTING DELPHI AND DIESEL TURBO DW10BTED4 OR MOUNTING DELPHI AND DW10BTED4 TURBO DIESEL WITHOUT FAP

Engine ECU DELPHI DCM3.4	
Fault code	P1162
After sales description of the fault code	Position indicator signal of the EGR valve : Valve jammed during driving
Description of the diagnostics	Difference of 30% between the EGR valve position setting and the position measured (For 10 seconds)
Conditions of activation of the diagnostics	Consult the associated contexts for the Pcode forwarding conditions
Conditions of disappearance of the fault	Driving for 5 minutes
Down-grade modes if fault present	Cutting of the diagnosis of plausibility of the flowmeter
	Deactivation of the vehicle speed limiter until the next time the ignition is switched on
	Deactivation of the vehicle cruise control until the next time the ignition is switched on
	Cutting of the EGR valve
	Generic mode for reduced flow
Switching on of the warning light and/or warning message	Warning lamp MIL
Main customer complaints likely	Jerking/stalling
	Exhaust smoke
	Lack of power
	Starting problem
Suspect areas	Electrical harness
	Connections
	EGR valve
	Particle filter

MOUNTING BOSCH AND DIESEL TURBO DV6TED4 90HP FAP OR MOUNTING BOSCH AND DV6ATED4 TURBO DIESEL OR
MOUNTING BOSCH AND DIESEL TURBO DV6TED4 WITHOUT FAP OR MOUNTING BOSCH AND DIESEL TURBO DV6TED4 FAP

Engine ECU BOSCH EDC16C34	
Fault code	P1162
After sales description of the fault code	Position indicator signal of the EGR valve : Valve jammed during driving
Description of the diagnostics	Circuit open for 1 second
Conditions of activation of the diagnostics	Consult the associated contexts for the Pcode forwarding conditions
Conditions of disappearance of the fault	Ignition switched on
Down-grade modes if fault present	Cutting of all the principal air mixer EGR butterfly actuators ; EGR valve ; Bypass valve (In all operating modes)
	Irreversible cutting of the cruise control
	Deactivation of the cruise control
	Reduction in the time between 2 successive regenerations in the event of an EGR fault
Switching on of the warning light and/or warning message	Warning lamp MIL
Main customer complaints likely	Jerking/stalling
	Exhaust smoke
	Lack of power
	Starting problem
Suspect areas	Electrical harness
	Connections
	EGR valve
	Particle filter