


AD07.61-P-4000-45L	Fault code description for pedal value sensor, ME-SFI		
--------------------	---	--	---

1	Fault code (USA) Display on generic scan tool	P200F Voltage difference between signal 1 and signal 2 (P0120) P200C Open-circuit in signal path 1 (P0120) P200D Open-circuit in signal path 1 (P0120) P200E Open-circuit in signal path 2 (P0120) P200F Open-circuit in signal path 2 (P0120) P20E3 Voltage supply for accelerator pedal sensor (P0120)
2	Fault storage Activation of the engine diagnosis indicator lamp (EURO3/4) or CHECK ENGINE (MIL) malfunction indicator lamp (USA)	after expiry of test duration and fault following two successive driving cycles with faults
3	Checking frequency	Continuous
4	Checked signal or status	Voltages on accelerator pedal sensor
5	Fault setting conditions Voltage difference between signal 1 and signal 2 Short circuit to positive Short circuit to ground/open circuit Voltage supply	In the idling position the signals must differ from each other by a maximum of 8 %.. For comparison purposes, signal 2 is multiplied by 2. If signal 1 is greater than 4.9 V or signal 2 is greater than 2.4 V, there is a short-circuit to positive (12 V or 5 V) or the pedal value sensor is defective. If signal 1 is less than 0.2 V or signal 2 is less than 0.1 V, the cause is a short to ground, a discontinuity or the pedal value sensor is defective. The voltage supply to the accelerator pedal sensor must lie between 4.75 and 5.25 V.
6	Check prerequisites	Ignition ON
7		The system switches over to emergency running mode in the event of a fault occurring.

B37 Accelerator pedal sensor (with 2 Hall elements)
N3/10 ME control unit
SP1M Ground Hall element for signal 1
SP1S Signal 1 (limited to 5 V)
SP2M Ground Hall element for signal 2
SP2S Signal 2 (limited to 2.5 V)
USP1 Voltage supply for accelerator pedal sensor - 5 V

P30.20-2033-11