

Bmw Engine Fault Codes

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Engine management
EDC 16 C(P) 35
Make: BMW
Model: 320d (E90)
Year: 03.2005 - 09.2007
Engine code: M 47N 20 4D 4

Code	Error	Error type
0000	Unknown fault	unknown fault
3E90	Crankshaft position sensor	No signal
3E91	Crankshaft position sensor	Incorrect signal
3EB0	Speed monitoring	Engine speed not OK
3EC0	Camshaft position sensor	No signal
3EC1	Camshaft position sensor	Incorrect signal
3EC7	Master/slave configuration	Coding not plausible
3EDC	Error in variant coding	incorrect coding
3EDD	Error in variant coding	EEPROM error
3EE0	Coolant temperature sensor	Short circuit to earth
3EE1	Coolant temperature sensor	Short circuit to earth
3EE2	Coolant temperature sensor	CAN bus: engine temperature
3EE3	Coolant temperature sensor	Signal compare faulty
3EEA	Battery management steady-state current	Too high
3EEB	Battery management steady-state current	Too low
3EEC	Battery management steady-state current	Faulty
3EED	Battery management steady-state current	Faulty
3EF3	Coolant temperature sensor	Temperature increase improbable
3EFA	Engine oil sensor	Faulty
3EFB	Engine oil sensor	Oil level out of range, min
3EFC	Engine oil sensor	open circuit/earth/positive short
3EFD	Engine oil sensor	signal faulty
3F00	Boost pressure sensor	Short circuit to plus
3F01	Boost pressure sensor	open circuit/earth short

3F02	Boost pressure sensor	Atmos. pressure sensor plausibility
3F03	Boost pressure sensor	Atmos. pressure sensor plausibility
3F05	Emission warning lamp (MIL)	Faulty
3F0A	Serial data bus CAN	CAN bus off
3F0B	Serial data bus CAN	Fault in CAN communication
3F0C	Serial data bus CAN	Hardware defective
3F0D	Serial data bus CAN	CAN signal to engine CU faulty
3F10	Accelerator pedal position sensor 1	Short circuit to plus
3F11	Accelerator pedal position sensor 1	open circuit/earth short
3F13	Accelerator pedal position sensor 1	Sensor 1/2 signal compare improbable
3F15	Emission warning lamp (MIL)	Faulty
3F1A	Control unit fault memory	Fault not of relevance to diagnosis
3F1B	Control unit fault memory	Fault not of relevance to diagnosis
3F1C	Control unit fault memory	Fault not of relevance to diagnosis
3F1D	Control unit fault memory	Fault not of relevance to diagnosis
3F20	Accelerator pedal position sensor 2	Short circuit to plus
3F21	Accelerator pedal position sensor 2	open circuit/earth short
3F23	Accelerator pedal position sensor 2	Sensor 1/2 signal compare improbable
3F25	Charge air hose	Component dropped out
3F2A	Control unit fault memory	Fault not of relevance to diagnosis
3F2B	Control unit fault memory	Fault not of relevance to diagnosis
3F2C	Control unit fault memory	Fault not of relevance to diagnosis
3F2D	Control unit fault memory	Fault not of relevance to diagnosis
3F30	Rail pressure sensor	Short circuit to earth
3F31	Rail pressure sensor	Short circuit to earth
3F35	Charge air hose	Component dropped out
3F40	Rail pressure monitoring	Offset error
3F41	Rail pressure monitoring	Offset error
3F50	Driving speed signal	Value implausible
3F51	Driving speed signal	signal faulty
3F52	Driving speed signal	signal faulty
3F53	Driving speed signal	Vehicle speed signal implausible
3F57	Boost pressure actuator	Component defective
3F62	Driving speed signal	CAN signal to engine CU faulty

3F70	IAT sensor	Short circuit to earth
3F71	IAT sensor	Short circuit to earth
3F72	IAT sensor	CAN signal not OK
3F77	Boost pressure actuator	signal faulty
3F80	Ambient air temperature sensor	Short circuit to earth
3F81	Ambient air temperature sensor	Short circuit to earth
3F82	Ambient air temperature sensor	Signal/message implausible
3F90	Engine oil pressure sensor	Short circuit to plus
3F91	Engine oil pressure sensor	Short circuit to earth
3F97	Boost pressure actuator	Supply voltage too low
3FA0	Engine oil temperature sensor	Faulty
3FA1	Engine oil temperature sensor	Faulty
3FA2	Engine oil temperature sensor	Faulty
3FA3	Engine oil temperature sensor	Faulty
3FC0	Hot-film air mass meter	signal too high
3FD0	Hot-film air mass meter	Deviation excessive
3FE0	Air- mass sensor	Deviation excessive
3FE1	Air- mass sensor	Deviation excessive
3FF0	Air- mass sensor	Deviation excessive
3FF1	Air- mass sensor	Deviation excessive
4000	Fuel-temperature sensor	Short circuit to plus
4001	Fuel-temperature sensor	Short circuit to earth
4010	Exhaust-gas pressure sensor before particulate filter	Short circuit to plus
4011	Exhaust-gas pressure sensor before particulate filter	open circuit/earth short
4020	Exhaust gas temperature sensor upstream of CAT	Short circuit to plus
4021	Exhaust gas temperature sensor upstream of CAT	Short circuit to earth
4030	Exhaust gas temperature sensor upstream of CAT	Short circuit to plus
4031	Exhaust gas temperature sensor upstream of CAT	Short circuit to earth
4032	Exhaust gas temperature sensor upstream of CAT	CAN comm. faulty / sig. not plaus
4060	Atmospheric pressure sensor	Short circuit to plus

4061	Atmospheric pressure sensor	open circuit/earth short
4062	Atmospheric pressure sensor	Faulty
4063	Atmospheric pressure sensor	Ambient pressure non-plausible
4072	Clutch switch	signal faulty
4073	Clutch switch	signal improbable
4082	Brake light/brake test switch	CAN comm. faulty / sig. not plaus
4083	Compare brake signal with redundant contact	Brake signal implausible
4093	Control unit fault memory	Fault not of relevance to diagnosis
40A0	Alternator load signal	Faulty
40A1	Generator load	Gen. signal DF not present
40B0	Air conditioner pressure signal	Faulty
40B1	Air conditioner pressure signal	Faulty
40B2	Air conditioner pressure signal	Faulty
40B3	Air conditioner pressure signal	Faulty
40C0	Air conditioner pressure signal	Faulty
40C1	Air conditioner pressure signal	Faulty
40D0	Air conditioner pressure signal	Faulty
40D1	Air conditioner pressure signal	Faulty
40E0	Generator	Malfunction
410C	Swirl flap actuator	open circuit/positive short
4112	Air conditioning Power setting	Faulty
4113	Air conditioning Power setting	Faulty
411A	Injector cylinder 1	Adaptation error
411B	Injector cylinder 1	Adaptation error
4120	Main relay monitoring	Switch pt too late
4121	Main relay monitoring	Switch pt too early
412A	Injector cylinder 2	Adaptation error
412B	Injector cylinder 2	Adaptation error
4130	Swirl flap actuator	Short circuit to plus
413A	Injector cylinder 3	Adaptation error
413B	Injector cylinder 3	Adaptation error
4141	Swirl flap actuator	Short circuit to earth
414A	Injector cylinder 4	Adaptation error

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414B	Injector cylinder 4	Adaptation error
4152	Swirl flap actuator	open circuit/earth short
4153	Swirl flap actuator	Output stage overheated
4155	Solenoid valve exhaust flap	Short circuit to plus
4156	Solenoid valve exhaust flap	Short circuit to earth
4157	Solenoid valve exhaust flap	open circuit
4158	Solenoid valve exhaust flap	Output stage overheated
415A	Injector cylinder 5	Adaptation error
415B	Injector cylinder 5	Adaptation error
4160	Relay for prefeed pump	Short circuit to plus
4161	Relay for prefeed pump	Short circuit to earth
4162	Relay for prefeed pump	open circuit
4163	Relay for prefeed pump	Output stage overheated
4165	Particulate filter system	Filter clogged
4166	Particulate filter system	Exh. gas volumetric flow implausible
416A	Injector, cylinder 6	Adaptation error
416B	Injector, cylinder 6	Adaptation error
4175	Exhaust gas temperature upstream of particulate filter	signal too high
4176	Exhaust gas temperature upstream of particulate filter	signal too low
4178	Exhaust gas temperature upstream of particulate filter	Exhaust gas temp. signal implausible
417A	Injector cylinder 7	Adaptation error
417B	Injector cylinder 7	Adaptation error
4180	Boost pressure actuator	Short circuit to plus
4185	Exhaust gas temperature sensor upstream of CAT	signal too high
4186	Exhaust gas temperature sensor upstream of CAT	signal too low
4188	Exhaust gas temperature sensor upstream of CAT	Signal non-plaus. f. intake-air temp
418A	Injector cylinder 8	Adaptation error
418B	Injector cylinder 8	Adaptation error
4191	Boost pressure actuator	Short circuit to earth
4195	Torque demand from air conditioner	Value implausible