

BMW5 (E39) Fault Codes PDF

Control and measuring equipment

To check the fuel injection systems and reduce the toxicity of exhausts, it is necessary to use digital universal instrumentation, since they have greater measurement accuracy and greater internal loop resistance.

Handheld scanners are the most convenient and versatile devices for testing engine management systems on models of later years of production.

BMW E39 OBD-I systems (models up to 1995 of release)

The electronic control unit has a built-in On Board Diagnosis (OBD) system, which serves to troubleshoot the system and turns on the engine warning light on the dashboard in the event of a malfunction. The fault code is stored in the memory of the electronic control unit and is available for reading.

Reading fault codes OBD-I systems - warning lights

To read the fault codes stored in the memory of the electronic control unit, connect the STI and GND terminals of the [diagnostic connection socket](#).

Connect the voltmeter to the STO terminal and the vehicle's "mass". Turn the ignition on and calculate the number of deviations from the arrow of the instrument or the flashing of the engine warning light. For example, code 34 will be displayed as 3 long flashing lights, pause, 4 short flashes.

Clearing the OBD-I DTCs

To clear the fault codes, disconnect the negative battery cable and depress the brake pedal for longer than 5 seconds.

BMW OBD-I fault codes (1993-1995 models, except 1994 and 1995 models with 4-cylinder engine and automatic transmission)

FAULT CODE	THE FAILED COMPONENT OR SYSTEM
02	Crankshaft position sensor
03	Camshaft position sensor
08	Air flow sensor
09	Coolant temperature sensor
11	Air temperature sensor
12	Throttle position sensor
15	Oxygen sensor
16	Exhaust gas recirculation valve sensor
17	Oxygen sensor (check the ignition system)
25	Fuel pressure valve
26	Purge valve
28	Exhaust gas recirculation valve

Bmw Electrical Troubleshooting Manual E39

S Ben Porath

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BMW 3-Series ,199? BMW 5-Series 1976-1979 ,199? 1987 BMW 3 Series Electrical Troubleshooting Manual
,1987 BMW 5-Series 1982 ,1981 1984 BMW 318i Electrical Troubleshooting Manual ,1983 1992 BMW 318is, 325i
(E36) Electrical Troubleshooting Manual ,1992 BMW 7-Series 1978-1981 ,199? 1989 BMW M3 Electrical
*Troubleshooting Manual ,1989 **1982 BMW 7-Series** ,1982 1993 BMW 318i, 318is, 325i, 325is (E36) Electrical*
*Troubleshooting Manual ,1993 BMW 5-Series 1986 ,1986 **1995 BMW 318ti (E36/5) Electrical Troubleshooting***
Manual ,1995 1985 BMW 528e/535i Electrical Troubleshooting Manual ,1985 1991 BMW 318i/is/ic Electrical
*Troubleshooting Manual ,1991 **1988 BMW M3 Electrical Troubleshooting Manual** ,1988 *BMW 6-Series**
*1977-1982 ,199? **1985 BMW 325e/318i Electrical Troubleshooting Manual** ,1985 **1987 BMW M3 Electrical***
*Troubleshooting Manual ,1987 *1987/1988 BMW 535i, M5 Electrical Troubleshooting Manual ,1987 1983 BMW**
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