

G - TESTS W/CODES - 2.5L DIESEL

Selected Block

1992 Mercedes-Benz 300D

For Shop Name

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FAULT CODE DEFINITION

After identifying malfunctioning component or system, refer to appropriate 2.5L FAULT CODE DIAGNOSIS charts under DIAGNOSTIC TESTS in this article.

5-CYLINDER FAULT CODE IDENTIFICATION

Fault Code	Component/System	Manufacturer's Designation
1 (1)	All Functions Normal
2	Fuel Rack Position Sensor	L7
3	Airflow Sensor	B2/1
4 (2)	EDS Control Unit	N39
5 (3)	EGR Vacuum Transducer Or EGR Valve System	Y31/1
6	EDS Control Unit (Internal Power Supply)	N39
7	Starter Ring Gear Speed Sensor	L3
8	Engine Coolant Sensor	B11/4
9	Intake Air Temperature Sensor	B2/1a
10	Voltage Supply
11 (4)	ELR Actuator Or EGR Vacuum Transducer	Y22 Y31/1
12	Not Used
13	EDS Control Unit Defective (Internal Memory)	N39
14	Air Pressure Sensor	B5/1
15	Boost Pressure Control/Pressure Control Flap Vacuum Transducer Or Boost Pressure Control Circuit	Y31/5

- (1) - If no fault codes are displayed on pulse counter and driveability or customer complaints are present, perform functional test on ELR, EGR, and P-2 control. See FUNCTIONAL TEST CHARTS at the end of this article.
 - (2) - EDS control unit atmospheric pressure sensor is malfunctioning. Atmospheric pressure sensor is internal to EDS control unit.
 - (3) - Pulse counter will only display at 900 RPM for at least 5 seconds. Fault is not stored.
 - (4) - Pulse counter only displays fault code if a short circuit is present.
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CLEARING CODES

Disconnecting vehicle battery will not erase codes. Each code stored in EDS control unit must be erased individually. Start engine and idle. Press START button on pulse counter for 2-4 seconds maximum. Pulse counter will display fault code. Press START button again for 6-8 seconds. Fault code is erased when pulse counter no longer displays fault code. Repeat procedure for other stored fault codes. When pulse counter displays 1, no faults are stored. Disconnect test equipment.