

## BMW MOTRONIC PEDAL TEST FAULT CODES

All 1989-94 BMW vehicles are equipped with a self diagnostic system for the detection of injection faults.

When a fault is detected by the system the Electronic Control Unit (ECU) records the code corresponding to

the defect in the ECU's memory until either:

- 1) The vehicle battery or the ECU is disconnected.
- 2) The engine is started 60 times with no recurrence of the fault.
- 3) The ECU memory is cleared using the BMW MODIC, DIS, Bosch KTS300, KTS500, or the Baum Tools

CS1000 or CS2000 BMW hand held scanner. To review the FAULT CODES from the ECU memory use the

following procedure:

1) Turn the ignition switch to the 'engine run' position.

2) Depress the gas pedal to the floor 5 times.

The CHECK ENGINE light will blink out the

FAULT CODES starting with the lowest number first. These FAULT CODES consist of 4 digits each

separated by a short pause (ie. blink pause blink blink pause blink pause blink translates as 1 2 1 1).

## BMW 'PEDAL' FAULT CODES

(Models 1989-94)

### CODE MALFUNCTIONING SYSTEM

1211 DME Control Unit

1212 EGO(O<sub>2</sub>) Sensor 2

1213 Lambda Control 2

1215 Air Mass/Volume Sensor

1216 Throttle Potentiometer

1218 Output Stage, Group 1

1219 Output Stage, Group 2

1221 EGO(O<sub>2</sub>) Sensor 1

1222 Lambda Control 1

1223 Coolant Temp. Sensor

1224 Intake Air Temp. Sensor

1225 Knock Sensor 1

1226 Knock Sensor 2

1227 Knock Sensor 3

1228 Knock Sensor 4

1231 Battery Voltage/DME Main Relay

1232 Throttle Switch - Idle

1233 Throttle Switch - WOT

1234 Speedometer A Signal

1237 A/C Compressor cut off

1241 False Air Mass Sensor Code - Update EPROM and replace Idle Valve

1242 A/C Compressor

1243 Crankshaft Pulse Sensor

1244 Camshaft Sensor

1245 Intervention EGS

1247 Ignition Secondary Monitor

1251 Fuel Injector 1 (or group 1)  
1252 Fuel Injector 2 (or group 2)  
1253 Fuel Injector 3  
1254 Fuel Injector 4.