

PIN 4**HFM-SFI**

- 1 No fault found
- 2 Engine Coolant temperature sensor
- 3 Intake air temperature sensor
- 4 Hot film mass air flow sensor
- 5 CTP switch
- 6 Not used
- 7 Not used
- 8 Idle speed control (ISC) system at upper or lower control stop or CC or EA indicates "limp home" mode.
- 9 O2S 1 (before TWC) - voltage too high, circuit open or voltage implausible
- 10 O2S 2 (after TWC)voltage too high, circuit open or voltage implausible
- 11 O2S 1 heater (before TWC) - Current too high/low or short circuit.
- 12 O2S 2 heater (after TWC) - Current too high/low or short circuit.
- 13 O2S (Lambda) control system operating at rich or lean limit
- 14 Injector, cylinder 1
- 15 Injector, cylinder 2
- 16 Injector, cylinder 3
- 17 Injector, cylinder 4
- 18 Injector, cylinder 5
- 19 Injector, cylinder 6
- 20 Self-adaptation at idle speed or upper/lower partial load at rich or lean limit
- 21 Ignition output 3 or ignition coil for cylinder 1 and 6
- 22 Ignition output 1 or ignition coil for cylinder 2 and 5 (Engine 111, cylinder 1 and 4)
- 23 Ignition output 2 or ignition coil for cylinder 3 and 4 (Engine 111, cylinder 2 and 3)
- 24 CKP sensor or magnet for position sensor not recognized
- 25 CMP sensor not recognized or implausible
- 26 Not used
- 27 TN-signal (rpm signal) - open or short to ground
- 28 VSS - open circuit
- 29 Not used
- 30 Fuel pump relay module - open or short circuit
- 31 Not used
- 32 Knock sensors 1 and /or 2
- 33 Maximum retard setting on at least one cylinder has been reached or the ignition angle deviation between the individual cylinders is greater than 6 degrees crankshaft angle
- 34 Knock control-output switch in engine control module faulty Momentary fault in self-adaptation closed throttle speed/partial load
- 35 Model 124, 129 and 140 AIR pump switchover valve and/or electromagnetic AIR pump clutch.
- 36 Purge control valve - open/short to ground or B+
- 37 Upshift delay switchover valve
- 38 Adjustable camshaft timing solenoid - open/short to ground or B+
- 39 Exhaust gas recirculation switchover valve - open/short to ground or B+
- 40 Transmission overload protection switch - open/short to ground or B+ or open or closed or implausible
- 41 CAN communication from engine control module faulty
- 42 CAN communication from ASR, EA/CC/ISC module or diagnostic module (OBD II) faulty
- 43 Starter signal (circuit 50) not present
- 44 Not used
- 45 Fuel safety shut-off of electronic accelerator or cruise control active
- 46 Resonance intake manifold switchover valve - open/short to ground or B+
- 48 O2S 2 (after TWC) heating circuit relay module - open/short to ground or B+
- 49 Voltage supply at engine control module implausible/low volts
- 50 Engine control module faulty or not coded.