

141	Secondary air pump	Not enough air
142	Secondary air pump	Air without pump
143	Immobiliser function in ECU	No or incorrect signal
144	No immobiliser signal received	Faulty unit or break in wiring
145	Incorrect immobiliser signal received	Faulty unit or break in wiring

GM-Multec ECU Fault Codes

This fault code chart shows the GM-Multec fault codes for the following systems:- SPI, MPL, CFI, M and S.

GM-Multec Code Chart:



Code	Item:	Fault:
12	Initiation of diagnosis.	n/a
13	Oxygen sensor	No change in voltage/open circuit.
14	Coolant Temperature Sensor (CTS)	Low voltage
15	Coolant Temperature Sensor (CTS)	High voltage
16	Knock signal circuit	n/a
18	Knock control processor	n/a
19	Crank Angle Sensor (CAS)	Incorrect RPM signal
21	Throttle Potentiometer Sensor (TPS)	High voltage
22	Throttle Potentiometer Sensor (TPS)	Low voltage
24	Vehicle Speed Sensor (VSS)	No speed signal or low voltage
25	Injector valve	Low voltage
28	Fuel pump relay contacts	Contact problem
29	Fuel pump relay	Low voltage
32	Fuel pump relay	High voltage
33	Manifold Absolute Pressure (MAP) sensor	High voltage
34	Manifold Absolute Pressure (MAP) sensor	Low voltage
35	Idle stepper motor	Poor or no idle speed control
41	Amplifier control signal, cylinders 2 and 3 (Direct Ignition System (DIS))	High voltage
42	Amplifier control signal, cylinders 1 and 4 (Direct Ignition System (DIS))	High voltage
43	Primary ignition (distributor systems)	High voltage
44	Oxygen sensor	Air/Fuel mixture too lean (weak)
45	Oxygen sensor	Air/Fuel mixture too rich
46	Amplifier (Direct Ignition System (DIS)) control signal (A+B)	High voltage
47	Linear exhaust gas re-circulation (EGR) position	n/a
49	Battery supply to Engine Control Unit (ECU)	High voltage (greater than 17 volts)
51	Engine Control Unit (ECU)	Defective ECU (disconnect and reconnect (ECU), then recheck for fault codes). Memory failure
52	Secondary air pump relay	Low voltage
53	Secondary air pump relay	High voltage

Astra Fault Code List

SB Merriam

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the 'SB Merriam' text.

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