

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 rec'd	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:- SP, 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

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 - The Rise of Digital Reading Astra Fault Code List
 - Advantages of eBooks Over Traditional Books
2. Identifying Astra Fault Code List
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Astra Fault Code List
 - User-Friendly Interface
4. Exploring eBook Recommendations from Astra Fault Code List
 - Personalized Recommendations
 - Astra Fault Code List User Reviews and Ratings
 - Astra Fault Code List and Bestseller Lists
5. Accessing Astra Fault Code List Free and Paid eBooks

- Astra Fault Code List Public Domain eBooks
 - Astra Fault Code List eBook Subscription Services
 - Astra Fault Code List Budget-Friendly Options
6. Navigating Astra Fault Code List eBook Formats
 - ePub, PDF, MOBI, and More
 - Astra Fault Code List Compatibility with Devices
 - Astra Fault Code List Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Astra Fault Code List
 - Highlighting and Note-Taking Astra Fault Code List
 - Interactive Elements Astra Fault Code List
 8. Staying Engaged with Astra Fault Code List
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Astra Fault Code List
 9. Balancing eBooks and Physical Books Astra Fault Code List
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Astra Fault Code List
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Astra Fault Code List
 - Setting Reading Goals Astra Fault Code List
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Astra Fault Code List
 - Fact-Checking eBook Content of Astra Fault Code List
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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