

BMW5 (E39) Fault Codes PDF

Control and measuring equipment

To check the fuel injection systems and reduce the toxicity of exhausts, it is necessary to use digital universal instrumentation, since they have greater measurement accuracy and greater internal loop resistance.

Handheld scanners are the most convenient and versatile devices for testing engine management systems on models of later years of production.

BMW E39 OBD-I systems (models up to 1995 of release)

The electronic control unit has a built-in On Board Diagnosis (OBD) system, which serves to troubleshoot the system and turns on the engine warning light on the dashboard in the event of a malfunction. The fault code is stored in the memory of the electronic control unit and is available for reading.

Reading fault codes OBD-I systems - warning lights

To read the fault codes stored in the memory of the electronic control unit, connect the STI and GND terminals of the [diagnostic connection socket](#).

Connect the voltmeter to the STO terminal and the vehicle's "mass". Turn the ignition on and calculate the number of deviations from the arrow of the instrument or the flashing of the engine **warning light**. For example, code 34 will be displayed as 3 long flashing lights, pause, 4 short flashes.

Clearing the OBD-I DTCs

To clear the fault codes, disconnect the negative battery cable and depress the brake pedal for longer than 5 seconds.

BMW OBD-I fault codes (1993-1995 models, except 1994 and 1995 models with 4-cylinder engine and automatic transmission)

| FAULT CODE | THE FAILED COMPONENT OR SYSTEM |
|------------|---|
| 02 | Crankshaft position sensor |
| 03 | Camshaft position sensor |
| 08 | Air flow sensor |
| 09 | Coolant temperature sensor |
| 11 | Air temperature sensor |
| 12 | Throttle position sensor |
| 15 | Oxygen sensor |
| 16 | Exhaust gas recirculation valve sensor |
| 17 | Oxygen sensor (check the ignition system) |
| 25 | Fuel pressure valve |
| 26 | Purge valve |
| 28 | Exhaust gas recirculation valve |

Bmw Abs Fault Codes E39

RJ Alexander

A red circular graphic with a gradient, appearing as a stylized arrow or a light effect, positioned to the right of the author's name.

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Business Review Weekly ,1995 *Autocar* ,2002

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Table of Contents Bmw Abs Fault Codes E39

1. Understanding the eBook Bmw Abs Fault Codes E39
 - The Rise of Digital Reading Bmw Abs Fault Codes E39
 - Advantages of eBooks Over Traditional Books
2. Identifying Bmw Abs Fault Codes E39
 - 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 Bmw Abs Fault Codes E39
 - User-Friendly Interface
4. Exploring eBook Recommendations from Bmw Abs Fault Codes E39
 - Personalized Recommendations

- Bmw Abs Fault Codes E39 User Reviews and Ratings
- Bmw Abs Fault Codes E39 and Bestseller Lists
- 5. Accessing Bmw Abs Fault Codes E39 Free and Paid eBooks
 - Bmw Abs Fault Codes E39 Public Domain eBooks
 - Bmw Abs Fault Codes E39 eBook Subscription Services
 - Bmw Abs Fault Codes E39 Budget-Friendly Options
- 6. Navigating Bmw Abs Fault Codes E39 eBook Formats
 - ePub, PDF, MOBI, and More
 - Bmw Abs Fault Codes E39 Compatibility with Devices
 - Bmw Abs Fault Codes E39 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Bmw Abs Fault Codes E39
 - Highlighting and Note-Taking Bmw Abs Fault Codes E39
 - Interactive Elements Bmw Abs Fault Codes E39
- 8. Staying Engaged with Bmw Abs Fault Codes E39
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Bmw Abs Fault Codes E39
- 9. Balancing eBooks and Physical Books Bmw Abs Fault Codes E39
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Bmw Abs Fault Codes E39
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Bmw Abs Fault Codes E39
 - Setting Reading Goals Bmw Abs Fault Codes E39
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Bmw Abs Fault Codes E39
 - Fact-Checking eBook Content of Bmw Abs Fault Codes E39

- 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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