



BMW Fault Codes (DTCs)

Below is a comprehensive listing of BMW DTCs and the corresponding SAE P-codes.

Table a. Diagnostic trouble codes (DTCs)

BMW code	P-code	Fault type and function	Signal type and range	Explanation
1		Ignition coil cyl.2	Input analog timing (100 mV)	DME initiates secondary ignition for each cylinder then looks for feedback through shunt resistor in harness to determine if ignition actually occurred.
2		Ignition coil cyl.4	Input analog timing (100 mV)	DME initiates secondary ignition for each cylinder then looks for feedback through shunt resistor in harness to determine if ignition actually occurred.
3		Ignition coil cyl.6	Input analog timing (100 mV)	DME initiates secondary ignition for each cylinder then looks for feedback through shunt resistor in harness to determine if ignition actually occurred.
5	P0202	Injector circuit cyl. 2	Output digital pulse width (active low)	DME final stage will set flag whenever a short to ground, a short to battery voltage or a disconnection between output transistor and component exists.
6	P0201	Injector circuit cyl. 1	Output digital pulse width (active low)	DME final stage will set flag whenever a short to ground, a short to battery voltage or a disconnection between output transistor and component exists.
8	P0101	Mass air flow circuit range/perf.	Input analog (0-5V)	Failed signal range check against predefined diagnostic limits.
10		Engine coolant temp. circuit range/perf.	Input analog (0-5V)	Signal range is checked against predefined diagnostic limits within specific engine operations.
11		Coolant temp. coolant outlet	Input analog (0-5V)	Signal range is checked against predefined diagnostic limits within specific engine operations.
14	P0111	Intake air temp. range/performance	Input analog (0-5V)	Signal range is checked against predefined diagnostic limits within specific engine operations.
18	P1397	Exhaust cam	Input analog	Internal check of phase shift from

Bmw E46 Obd Codes

James Taylor



Bmw E46 Obd Codes:

BMW M3 James Taylor, 2014-07-31 Few cars in recent years have inspired such devotion among enthusiasts as the BMW M3 Now entering its fifth generation BMW's compact performance car is recognized worldwide as the benchmark of its type BMW M3 The Complete Story looks in detail at the first four generations of the M3 which arrived in the mid 1980s as an E30 homologation special intended to keep BMW ahead of rivals Mercedes Benz on the racetracks But the M3 soon became very much more than that Before long buyers latched onto its exclusivity and turned it into a status symbol and BMW was only too happy to exploit that For all fans of the BMW M3 this book provides the essential background It is packed with facts and details that make the M3 legend come alive With over 250 photographs the book covers the original E30 M3 of 1986 from a homologation special to a status symbol design and development of the E36 M3 including a new 6 cylinder engine and more body choices the E46 M3 of 2000 with the developed 6 cylinder S54 engine and gearshift advances racing success for the E90 series M3s introduced in 2007 with V8 engines driving buying and special editions of all the models [European Car](#), 2006

BimmerLink for Beginners Alex Renn, 2026-01-15 This book is intended for educational and informational purposes only It does not provide professional mechanical advice and does not replace qualified automotive diagnosis or repair BMW vehicles vary by model year software version and condition Misuse or misinterpretation of diagnostic information may lead to incorrect conclusions The author is not affiliated with BMW or any diagnostic software provider All product and brand names are used solely for descriptive purposes Always prioritize safety and consult a qualified automotive professional when in doubt A BMW warning light appears A diagnostic code shows up unexpectedly Your car still drives fine but now you are unsure what to do Before you panic clear fault codes or book an unnecessary BMW dealer visit there is something you should understand first Modern BMW vehicles generate extensive diagnostic data Much more than the dashboard ever shows Apps like BimmerLink allow BMW owners to access that information but without proper guidance diagnostics can quickly become confusing intimidating or misleading BimmerLink for Beginners is written specifically for BMW owners who want to understand BMW diagnostics safely without technical jargon risky shortcuts or mechanical guesswork This guide explains BMW fault codes warning messages and live diagnostic data in plain English It helps you understand what diagnostic information actually means what it does not mean and how to respond responsibly using BimmerLink No mechanical experience required No coding or tuning involved No pressure to fix problems that do not exist Inside this beginner friendly BMW diagnostic guide you will learn how to Understand what BimmerLink does and does not do Read BMW fault codes safely and correctly Recognize normal BMW diagnostic behavior versus real problems Avoid common BimmerLink beginner mistakes Know when it is safe to clear fault codes and when it is not Observe BMW live data without panic or misinterpretation Decide when professional BMW service is the right choice This book is designed to help BMW owners avoid unnecessary repairs reduce diagnostic anxiety and communicate more confidently with mechanics and dealerships It is not a

repair manual It is a decision making guide If you own a BMW and want a clear safe introduction to BMW diagnostics using BimmerLink this book is the right place to start Read it before you connect Read it before you clear anything Read it before you spend money you may not need to spend

Diagnostic Trouble Code Definitions Vehicle E E System Diagnostic Standards Committee,2007 This document supersedes SAE J2012 APR2002 and is technically equivalent to ISO 15031 6 2005 with the exceptions described in Section 1 2 This document is intended to define the standardized Diagnostic Trouble Codes DTC that On Board Diagnostic OBD systems in vehicles are required to report when malfunctions are detected This document includes a Diagnostic Trouble Code format b A standardized set of Diagnostic Trouble Codes and descriptions c A standardized set of Diagnostic Trouble Codes subtypes known as Failure Types The prior version of SAE J2012 was technically equivalent to a draft version of ISO 15031 6 April 30 2002 The ISO document was subsequently edited and published as an International Standard ISO 15031 6 2005 including minor editorial changes This version of SAE J2012 includes all of the editorial changes that were included in the published version of the ISO document This version is updated to include the latest standardized fault codes and failure type byte subfaults provide a new fault code appendix format and remove certain figures that belong in the SAE J1930 standard SAE is offering the current Diagnostic Trouble Code DTC and Failure Type Byte FTB appendices in a new Digital DTC and FTB appendices web tool

The Friendly Guide to the BMW E46 Hank Pop Weaver,2025-12-30 You bought the Ultimate Driving Machine Don't let it become the Ultimate Financial Mistake The BMW E46 3 Series is a legend It has perfect 50/50 weight distribution hydraulic steering that talks to your hands and a timeless design It is arguably the best car BMW ever built It is also a 20 year old German car held together by plastic clips and prayers If you go to the forums you'll hear horror stories about subframes cracking engines overheating in seconds and repair bills that cost more than the car itself The purists will tell you that unless you have thousands of dollars for special tools and factory parts you shouldn't own one They are wrong Meet Hank Pop Weaver He's not a BMW service writer who speaks in part numbers He's a retired mechanic who believes that a car is just a machine whether it was built in Munich or Detroit He knows that underneath the fancy plastic covers your E46 is just nuts bolts and gaskets Pop wrote this guide to prove that you don't need a specialized shop to keep your Bimmer running You just need confidence a basic tool set and the truth about what actually matters Inside you'll learn The Cooling System Overhaul BMW radiators are famous for exploding Pop shows you exactly how to replace the big four parts in one afternoon so you never see a tow truck The Diesel Rattle Why your smooth inline six sounds like a tractor VANOS and the simple rebuild that restores your power The Subframe Truth The scariest myth about the E46 debunked How to check your chassis in five minutes and when to actually panic The Window Regulator Crunch Why BMW windows fall into the doors and how to fix them permanently for less than the cost of a lunch Diagnostics on a Dime How to read BMW specific error codes using a 20 cable instead of paying a shop 150 just to plug in a computer Most manuals are written for professionals This book is written for you the enthusiast who wants to drive their car not just look at it Stop

worrying about the next breakdown and start enjoying the drive

Unveiling the Magic of Words: A Review of "**Bmw E46 Obd Codes**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their ability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Bmw E46 Obd Codes**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound impact on the souls of its readers.

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Table of Contents Bmw E46 Obd Codes

1. Understanding the eBook Bmw E46 Obd Codes
 - The Rise of Digital Reading Bmw E46 Obd Codes
 - Advantages of eBooks Over Traditional Books
2. Identifying Bmw E46 Obd Codes
 - 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 E46 Obd Codes
 - User-Friendly Interface
4. Exploring eBook Recommendations from Bmw E46 Obd Codes
 - Personalized Recommendations
 - Bmw E46 Obd Codes User Reviews and Ratings
 - Bmw E46 Obd Codes and Bestseller Lists

5. Accessing Bmw E46 Obd Codes Free and Paid eBooks
 - Bmw E46 Obd Codes Public Domain eBooks
 - Bmw E46 Obd Codes eBook Subscription Services
 - Bmw E46 Obd Codes Budget-Friendly Options
6. Navigating Bmw E46 Obd Codes eBook Formats
 - ePub, PDF, MOBI, and More
 - Bmw E46 Obd Codes Compatibility with Devices
 - Bmw E46 Obd Codes Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Bmw E46 Obd Codes
 - Highlighting and Note-Taking Bmw E46 Obd Codes
 - Interactive Elements Bmw E46 Obd Codes
8. Staying Engaged with Bmw E46 Obd Codes
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Bmw E46 Obd Codes
9. Balancing eBooks and Physical Books Bmw E46 Obd Codes
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Bmw E46 Obd Codes
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Bmw E46 Obd Codes
 - Setting Reading Goals Bmw E46 Obd Codes
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Bmw E46 Obd Codes
 - Fact-Checking eBook Content of Bmw E46 Obd Codes
 - 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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