



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

Manual E46 Fault Code

Autodata



Manual E46 Fault Code:

Direct Support, General Support, and Depot Maintenance Manual ,1991 **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 ,2005 *Northeastern Geology and Environmental Sciences* ,2003 **Fault Code Manual** Haynes Publishing,2013-10 This DIY manual covers everything you need to know about automotive diagnostic fault codes **2007 Domestic Diagnostic Trouble Code Manual (1994-2007)** Autodata,2006 Model year coverage for the Domestic DTC manual is 1994 2007 The manual features domestic diagnostic trouble codes and list the probable cause of each code The manual provides MIL Codes OBD Codes and Fault locations Code retrieval techniques are described using concise text and clear illustrations in separate sections for each model Instructions for retrieval and erasure of trouble codes are provided as well as data link connector locations All data is based on OEM information The information is available on CD CDs contain both English and Spanish languages

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

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Automotive Diagnostic Fault Codes Techbook Charles White,1998 **2003**
Domestic Diagnostic Trouble Code Manual 1999-02 Autodata,2003 Designed for the professional technician Autodata s manuals feature minimum text numerous simplified illustrations and a rare clarity of presentation that saves the user time The 2003 Domestic Diagnostic Trouble Codes Manual is based on the vehicles manufacturers information and includes 1 Separate sections for specific vehicles and systems 2 Code accessing techniques described using concise text and clear illustrations most without the need for dedicated test equipment 3 Clear tables providing Flash Codes MIL OBD I and OBD II P Codes which identify the locations of the fault within the system 4 The probable cause for each code and 5 Trouble code erasing procedures

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

Diagnostic Fault Codes Manual Ал ь фамер Паблинг, ЗАО,

2003 Import Diagnostic Trouble Code Manual 1999-02 Autodata,2003 Designed for the professional technician Autodata s manuals feature minimum text numerous simplified illustrations and a rare clarity of presentation that saves the user time The 2003 Import Diagnostic Trouble Codes Manual is based on the vehicles manufacturers information and includes 1 Separate sections for specific vehicles and systems 2 Code accessing techniques described using concise text and clear illustrations most without the need for dedicated test equipment 3 Clear tables providing Flash Codes MIL OBD I and OBD II P Codes which identify the locations of the fault within the system 4 The probable cause for each code and 5 Trouble code erasing procedures Coverage is 1992 2002

2005 Diagnostic Trouble Codes - Domestic Vehicles 1992-2004

Autodata,2005-03 Model year coverage for the Domestic DTC manual is 1992 2004 The manual features domestic diagnostic trouble codes and lists the probable cause of each code The manual provides MIL Codes OBD Codes and Fault locations Code retrieval techniques are described using concise text and clear illustrations in separate sections for each model Instructions for retrieval and erasure of trouble codes are provided as well as data link connector locations All data is based on OEM information

2006 Systems Trouble Code Manual (1998-2006) Autodata,2006-04-01 **BMW 3-series Automotive**

Repair Manual Robert Rooney,John Harold Haynes,1997 There is a Haynes manual for most popular domestic and import cars trucks and motorcycles By conducting complete tear downs and rebuilds the Haynes staff has discovered all the problems owners will find in rebuilding or repairing their vehicle Documenting the process in hundreds of illustrations and clear step by step instructions makes every step easy to follow with the exact order of assembly and all the specifications needed to complete the job From simple maintenance to trouble shooting and incomplete engine rebuilds it s easy with Haynes

Chilton's Diagnostic Trouble Code Manual ,1992-01-01 [Chilton's Diagnostic Trouble Code Manual](#)

Chilton Automotive Books,1992-08-01 *OBD-II & Electronic Engine Management Systems* Bob Henderson,John Haynes,2006-11-01 This manual takes the mystery out of Second Generation On Board Diagnostic Systems allowing you to understand your vehicles OBD II sytem plus what to do when the Check Engine light comes on from reading the code to diagnosing and fixing the problem Includes a comprehensive list of computer codes Computer controlled car repair made easy For all car and light truck models manufactured since 1996 Understand your vehicle s On Board Diagnostic system How to deal with that Check Engine light from reading the code to diagnosing and fixing the problem Comprehensive computer codes list Diagnostic tools Powertrain management fundamentals OBD II monitors explained Generic trouble codes that

cover all models Manufacturer specific trouble codes for GM Ford Chrysler Toyota Lexus and Honda Acura vehicles Let your car s computer help you find the problem Component replacement procedures Glossary and acronym list Fully illustrated with over 250 photographs and drawings BMW 3-Series Automotive Repair Manual Robert Phillip Maddox,Joe L. Hamilton,John Harold Haynes,2011 BMW 3 Series (E46) Service Manual Bentley Publishers,2005 The BMW 3 Series E46 Service Manual 1999 2005 is a comprehensive source of service information and specifications for BMW 3 Series from 1999 to 2005 The aim throughout this manual has been simplicity clarity and completeness with practical explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself BMW owner this manual will help you understand care for and repair your E46 3 Series

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