

BMW 3 Series

2006 ▶ 2011 (E90, E91, E92, E93)

Service Manual



This Bentley Manual contains in-depth maintenance, service and repair information for the BMW 3 Series from 2006 to 2011*. The aim throughout has been simplicity and clarity, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional or a do-it-yourself BMW owner, this manual helps you understand, care for and repair your BMW.

The do-it-yourself BMW owner will find this manual indispensable as a source of detailed maintenance and repair information. Even if you have no intention of working on your vehicle, you will find that reading and owning this manual makes it possible to discuss repairs more intelligently with a professional technician.



Bentley technical editors removing Valvetronic motor on N51 engine.



Learn how to reset condition-based service (CBS) intervals using iDrive or stalk switch (cars without iDrive).
020 Maintenance



Servicing the direct injection system on turbo models, including replacing fuel pump.
160 Fuel Tank and Fuel Pump



Detailed brake pad and rotor service.
340 Brakes



Extensive electrical component location information.
ECL Electrical Component Locations

Features

- Maintenance procedures from changing the ATF to replacing the cabin microfilter. This manual tells you what to do and how and when to do it.
- Step-by-step variable camshaft timing (VANOS) service.
- Cylinder head cover gasket and crankshaft seal replacement.
- Cooling system and radiator service.
- Fuel injection and ignition system diagrams and explanations.
- Information on advanced technical features such as Valvetronic, xDrive, turbo boost and DSC (dynamic stability control).
- Suspension repair procedures.
- Brakes, steering and ABS troubleshooting and repair.
- Heating and air-conditioning repair, including A/C component replacement.
- Body and hood repairs and adjustments.
- Electrical system service, with an easy-to-use illustrated component locator section.
- Comprehensive wiring schematics, including fuses and grounds.
- BMW OBD II diagnostic trouble codes, SAE-defined OBD II P-codes, as well as basic scan tool operation.
- BMW factory tolerances, wear limits, adjustments and tightening torques.

Normally aspirated models (6-cylinder 3.0 engines)

N52 engine: 325i, 325xi, 330i, 330xi (2006)
N52KP engine: 328i, 328xi (2007–2011)
N51(SULEV) engine: 328i, 328xi (2007–2011)

Turbo-charged models (6-cylinder 3.0 engines)

N54 engine: 335i, 335xi (2009–2010), 335is (2011)
N55 engine: 335i, 335xi (2011)

Manual transmissions (remove, install, external service)

Getrag G56-17BG
ZF GS6-37B2
ZF GS6-53DZ

Double clutch transmission (fluid service)

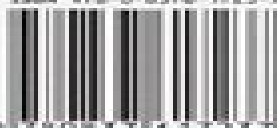
Getrag G57D36SG

Automatic transmissions (remove, install, external service)

GM GA6L45R
ZF GA6HP19Z

* This manual covers the 2012 BMW 3 Series Coupe (E93) and the 2012 BMW 3 Series Convertible (E93). The E92 and E93 models were extended through the 2012 model year.

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Bentley E46 Repair Manual

Charles O. Probst



Bentley E46 Repair Manual:

Bentley BMW 3 Series Service Manual 1992-1998 Bentley Publishers,1999 If you re looking for better understanding of your E36 BMW look no further See and learn how to perform routine maintenance procedures with the highest level of clarity and comprehensiveness This in depth manual provides maintenance procedures for everything from brake fluid changes to resetting the service indicator Covers M3 318i 323i 325i 328i sedan coupe and convertible models 1992 98

Bentley BMW 5-Series 1989-95 Service Manual Bentley Publishers,1998-07-03 If you re looking for better understanding of your BMW look no further This manual provides the highest level of clarity and completeness for all service and repair procedures Covers 525i 530i 535i 540i including touring *Volvo 240 Service Manual 1983 Through 1993* Bentley Publishers,1993 Vehicle Maintenance BMW 3-series Robert Bentley, inc,Bentley Publishers,1991 Engine coverage1 8 liter 4 cylinder B18 2 7 liter 6 cylinder B27 2 5 liter 6 cylinder B25 Transmission coverageGetrag 240 4 cylinder cars Getrag 260 6 cylinder cars **Bosch Fuel Injection and Engine Management** C Probst,1989-11-27 This Bosch Bible fully explains the theory troubleshooting and service of all Bosch systems from D Jetronic through the latest Motronics Includes high performance tuning secrets and information on the newest KE and LH Motronic systems not available from any other source **BMW Enthusiast's Companion** BMW Car Club of America,1995 BMW owners and BMW CCA members provide specific information for your BMW Valuable insights and technical information ranging from basic service tips to advanced driving theory Inside secrets on maintaining and preserving your BMW from properly washing and waxing your car to how to reset the service indicator lights Driving techniques ranging from basic car control to choosing apexes on the track Discover whether your car oversteers or understeers and how weight transfer affects traction and vehicle performance Learn the difference between torque and horsepower and how to select the right tires for your BMW Find out which performance modifications work which ones don t and why BMW Z3 Roadster ,1998 This Bentley Manual is the only comprehensive single source of service information specifications available for BMW Z3 Roadster from 1996 to 1998 The aim throughout this manual has been simplicity clarity completeness with practical explanations step by step procedures accurate specifications Whether you re a professional or a do it yourself BMW owner this manual will help you understand care for repair your Z3 Roadster The Official Ford Mustang 5.0 Al Kirschenbaum,2000 The essential Mustang resource for rebuilding researching restoring and upgrading 1979 through 1993 V 8 models including GT LX Cobra Cobra R police cars and limited editions **Ford Fuel Injection & Electronic Engine Control** Charles O. Probst,1993 The authoritative hands on book for Ford Engine Control Systems Author Charles Probst worked directly with Ford engineers trainers and technicians to bring you expert advice and inside information on the operation of Ford systems His comprehensive troubleshooting service procedures and tips will help you master your Ford s engine control system Supercharged! Design, Testing and Installation of Supercharger Systems Corky Bell,2002-01-07 The supercharger has become a modern environmentally

friendly and powerful piece of bolt on equipment For anyone interested in installing a system or just learning about them this book is a must have

The Enigmatic Realm of **Bentley E46 Repair Manual**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing lacking extraordinary. Within the captivating pages of **Bentley E46 Repair Manual** a literary masterpiece penned with a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of people who partake in its reading experience.

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