

# 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.*  
**140 Fuel Tank and Fuel Pump**



*Detailed brake pad and rotor service.*  
**340 Brakes**



*Extensive electrical component location information.*  
**E01 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, iDrive, 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), 335xi (2011)
- N55 engine: 335i, 335xi (2011)

#### Manual transmissions (remove, install, external service)

- Getrag GS6-17BG
- ZF GS6-37BZ
- ZF GS6-53DZ

#### Double clutch transmission (fluid service)

- Getrag GS7D36SG

#### Automatic transmissions (remove, install, external service)

- GM GA6L45R
- ZF GA6HP10Z

\* This manual covers the 2012 BMW 3 Series Coupe (E90) and the 2012 BMW 3 Series Convertible (E93). The E92 and E93 models were extended through the 2012 model year.

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# Bmw 325i 1987 2005 Workshop Repair Service Manual

**R Sanford**



## **Bmw 325i 1987 2005 Workshop Repair Service Manual:**

**BMW 3-series** Robert Bentley, inc, Bentley Publishers, 1991 Engine coverage 1 8 liter 4 cylinder B18 2 7 liter 6 cylinder B27 2 5 liter 6 cylinder B25 Transmission coverage Getrag 240 4 cylinder cars Getrag 260 6 cylinder cars **BMW 320 320i 323i 325i 1977-1987 repair manual** Peter Strasman, BMW 3- & 5-series Service and Repair Manual Andrew K. Legg, Larry Warren, 1998 BMW 3 Saloon Touring Saloon 81 88 up to F 5 Series E34 518i 520i 525i 530i 535i Saloon Touring 88 91 F to J Does NOT cover models with DOHC V8 or Diesel engines or 4x4 For other 3 5 series models see manuals no 0276 0632 0815 1560 or 3210 Petrol 1 6 litre 1596cc 1 8 litre 1766 1795cc 2 0 litre 1990cc 2 5 litre 2494cc 2 8 litre 2788cc 3 0 litre 2986cc 3 5 litre 3430cc SOHC **BMW 3- & 5-Series Service and Repair Manual**, 2013 **BMW 5 Series Diesel (03-09) 52 to 10** Martyn Randall, 2011 BMW 5 Series Saloon E60 and Touring E61 with 4 6 cylinder turbo diesel engines 520d 525d 530d 2 0 litre 1995cc 2 5 litre 2497cc 3 0 litre 2993cc turbo diesel Does NOT cover petrol models 535d twin turbo diesel models or models with xDrive transmission Does NOT cover new 5 Series F10 F11 range introduced during 2010 **BMW 5-series** Bentley, 1991 This Bentley Manual is the only comprehensive single source of service information and specifications for BMW 5 Series E28 cars from 1982 1988 Whether you're a professional technician or a do it yourself BMW owner this manual will help you understand maintain and repair every system on 5 Series cars Features Complete preventative maintenance procedures for everything from the yearly brake fluid change to resetting the oil and service indicator light and oxygen sensor lights This manual tells you what to do how and when to do it and why it's important Many of the maintenance recommendations exceed factory recommended service intervals and are designed to extend your BMW's service life Detailed troubleshooting and repair information for these Bosch fuel injection and engine management systems Motronic 528e 533i 535i 535is and Motronic 1 1 528e from March 1987 This Motronic 1 1 service information is not covered in BMW's factory repair manual Comprehensive Engine Management information for specific BMW 5 Series driveability problems including troubleshooting electronically controlled idle speed faults that are frequently misdiagnosed Troubleshooting tips with fast proven repair procedures used by BMW technicians and specialists Critical updates and hard to find information from dealer service bulletins such as how to replace the camshaft timing belt sprocket and tensioner with the correct Z 127 update and cylinder head bolt replacement on 528e models Large easy to read wiring schematics for all major circuits along with a full listing of ground points connector and splice locations and electronic component locations Complete procedures and specifications for rebuilding these engines and transmissions Engines engine code 2 7 liter B27 528e model 3 3 liter B32 533i model 3 5 liter B34 535i 535is models Trans *Owners Workshop Manual for BMW 3-Series* Martyn Randall, 2015 *BMW 3 Series Service Manual 1984-1990* Bentley Publishers, 2010-11-01 This Bentley Manual is the only comprehensive single source of service information and specifications for BMW 3 Series E30 cars from 1984 1990 Whether you're a professional technician or a do it yourself BMW owner this manual will help you understand maintain and

repair every system on 3 Series cars      **Service and Repair Manual for BMW 3 Series** Peter G. Strasman,1995

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