

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 (E92) and the 2012 BMW 3 Series Convertible (E93). The E90 and E91 models were extended through the 2012 model year.

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335i Bentley Manual

KJ Lindholm-Leary



335i Bentley Manual:

BMW 3 Series (E90, E91, E92, E93) Service Manual Bentley Publishers, 2011-06-01 This Bentley Manual contains in depth maintenance service and repair information for the BMW 3 Series from 2006 to 2010 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 **BMW 3 Series Service Manual (E90, E91, E92, E93) 2006, 2007, 2008, 2009 Service Manual** Bentley Publishers, Bentley Publishers Staff, 2010-09-01 This manual contains in depth maintenance service and repair information for the BMW 3 Series E90 E91 E92 E93 *BMW 3 Series (E90, E91, E92, E93) Service Manual 2006, 2007, 2008, 2009, 2010 2011* Bentley Publishers, 2014-06-02 The BMW 3 Series E90 E91 E92 E93 Service Manual 2006 2011 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 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 *Torque*, 2007-10 Singapore s best homegrown car magazine with an editorial dream team driving it We fuel the need for speed **BMW 3 Series (E90, E91, E92, E93)**, 2009 BMW 3 Series (F30, F31, F34) Service Manual: 2012, 2013, 2014, 2015: 320i, 328i, 328d, 335i, Including Xdrive Bentley Publishers, 2016-02-16 The BMW 3 Series F30 F31 F34 Service Manual 2012 2015 contains in depth maintenance service and repair information for the BMW 3 Series from 2012 to 2015 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 3 Series Engines Gasoline N20 engine 320i 328i including xDrive N26 SULEV engine 328i including xDrive N55 engine 335i including xDrive **Torque**, 2008-01 Singapore s best homegrown car magazine with an editorial dream team driving it We fuel the need for speed *BMW 3 Series (E90, E91, E92, E93)*, 2014 Road and Track, 2006 *BMW 3- & 5-Series Service and Repair Manual*, 2013

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