



## BMW 5 Series (E60, E61) Service Manual: 2004-2010 525i, 528i, 530i, 535i, 545i, 550i

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1734 pages, 2978 photos, illustrations and diagrams

The **BMW 5 Series (E60, E61) Service Manual: 2004-2010** contains in-depth maintenance, service and repair information for the BMW 5 Series from 2004 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.

### Technical features:

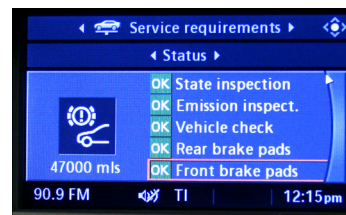
- Condition based service (CBS) maintenance procedures from replacing the cabin microfilter to checking and resetting service intervals. This manual tells you what to do and how and when to do it.
- Cylinder head cover gasket and crankshaft seal service (includes removal and installation of Valvetronic motor).
- Cooling system and radiator service.
- Fuel injection and ignition system diagrams and explanations.
- Information about advanced technical features such as Valvetronic, VANOS, twin turbochargers, DSC (dynamic stability control), dynamic drive (active stabilizer bars), active steering, and xDrive.
- 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.



Bentley technical editors removing motor cover on V8 (N62) engine.



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



Learn how to reset condition-based service (CBS) intervals.  
**020 Maintenance**

### Models and engines covered:

#### 525i and 530i

M54 engine (2004-2005)

N52 engine (2006-2007)

#### 528i

N52K engine (2008-2010)

#### 535i

N54 twin turbo engine (2008-2010)

#### 545i

N62 V8 engine (2004-2005)

#### 550i

N62 TU V8 engine (2006-2010)