

BMW 5 Series

2004 ▶ 2010 (E60, E61)

Service Manual



This Bentley Manual 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.

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 motor cover on V8 (N62) engine.



Learn how to reset condition-based service (CBS) intervals.
i320 Maintenance



Servicing the high-pressure fuel system on turbo models, including replacing HPFI 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

- 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.

Models covered

- 525i and 530i**
N54 engine (2004 - 2006)
N52 engine (2006 - 2007)
- 528i** N52K engine (2008 - 2010)
- 535i** N54 twin turbo engine (2008 - 2010)
- 545i** N62 V8 engine (2004 - 2006)
- 550i** N62 TU V8 engine (2006 - 2010)

Manual transmissions (remove, install, external service)

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

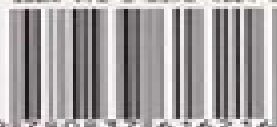
Sequential Manual Gearbox (SMG) (remove, install)

- ZF GS6S37B2, ZF GS6S53B2

Automatic transmissions (remove, install, external service)

- ZF GA6HP16Z, GA6HP16Z TU
- ZF GA6HP26Z, GA6HP26Z TU

ISBN 978-0-8379-5621-8



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BentleyPublishers
.com

Automotive Reference™

1734 Massachusetts Avenue
Cambridge, MA 02138 USA
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Manual E60 E61

Clemens Wendtner



Manual E60 E61:

BMW 5 Series (E60, E61) Service Manual: 2004, 2005, 2006, 2007, 2008, 2009, 2010: 525i, 525xi, 528i, 528xi, 530i, 530xi, 535i, 535xi, 545i, 550i Bentley Publishers, 2011-09-23 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 discuss repairs more intelligently with a professional technician Models 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

Solutions Manual for Actuarial Mathematics for Life Contingent Risks David C. M. Dickson, Mary R. Hardy, Howard R. Waters, 2020-04-30 This must have manual provides detailed solutions to all of the 300 exercises in Dickson Hardy and Waters Actuarial Mathematics for Life Contingent Risks 3 edition This groundbreaking text on the modern mathematics of life insurance is required reading for the Society of Actuaries SOA LTAM Exam The new edition treats a wide range of newer insurance contracts such as critical illness and long term care insurance pension valuation material has been expanded and two new chapters have been added on developing models from mortality data and on changing mortality Beyond professional examinations the textbook and solutions manual offer readers the opportunity to develop insight and understanding through guided hands on work and also offer practical advice for solving problems using straightforward intuitive numerical methods Companion Excel spreadsheets illustrating these techniques are available for free download

Manual of Clinical Microbiology, 4 Volume Set Karen C. Carroll, Michael A. Pfaller, 2024-11-19 Revised by a collaborative international interdisciplinary team of editors and authors this edition of the Manual of Clinical Microbiology includes the latest applications of genomics and proteomics and is filled with current findings regarding infectious agents leading edge diagnostic methods laboratory practices and safety guidelines This edition also features four new chapters Diagnostic Stewardship in Clinical Microbiology Salmonella Escherichia and Shigella and Morganellaceae Erwiniaceae Hafniaceae and Selected Enterobacterales This seminal reference of microbiology continues to set the standard for state of the science laboratory practice as the most authoritative reference in the field of microbiology If you are looking for online access to the latest from this reference or site access for your lab please visit www.wiley.com/learn/clinnmicronow

Technical Manual for Radar Set AN/SPS-51A. United States. Coast Guard, 1975

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outbreak investigation from identification to intervention and other core considerations along the way Modeled after Michael Gregg s seminal book Field Epidemiology this CDC manual ushers investigators through the core elements of field work including many of the challenges inherent to outbreaks working with multiple state and federal agencies or multinational organizations legal considerations and effective utilization of an incident management approach Additional coverage includes Updated guidance for new tools in field investigations including the latest technologies for data collection and incorporating data from geographic information systems GIS Tips for investigations in unique settings including healthcare and community congregate sites Advice for responding to different types of outbreaks including acute enteric disease suspected biologic or toxic agents and outbreaks of violence suicide and other forms of injury For the ever changing public health landscape The CDC Field Epidemiology Manual offers a new authoritative resource for effective outbreak response to acute and emerging threats Oxford University Press will donate a portion of the proceeds from this book to the CDC Foundation an independent nonprofit and the sole entity created by Congress to mobilize philanthropic and private sector resources to support the Centers for Disease Control and Prevention s critical health protection work To learn more about the CDC Foundation visit www.cdcfoundation.org

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facts and details that make the M5 legend come alive The M5 is still in production and remains the benchmark high performance saloon wherever it is sold This is essential background reading for all BMW M5 fans and motoring enthusiasts and is superbly illustrated with 211 colour photographs **Government Finance and Employment Classification**

Manual United States. Bureau of the Census,1992 Air Force Manual United States. Department of the Air Force,1976

Lippincott Nursing Procedures Lippincott,2015-10-06 Lippincott Nursing Procedures 7e is a start to finish guide to more than 400 nursing procedures from basic to advanced This reference outlines every procedure lists equipment details each step and includes rationales and cautions to ensure patient safety and positive outcomes Concise clear content targets key information needed to perform nursing procedures safely and accurately at the bedside Tips alerts checklists illustrations and tables provide clarity and quick access to key procedural information Organized alphabetically for easy accessibility the book includes basic and advanced procedures on key topics including infection control specimen collection physical treatments drug administration IV therapy and hemodynamic monitoring as well as procedures related to body systems such as chest tubes peripheral nerve stimulation and intra abdominal pressure monitoring *Operator's, Organizational, Direct Support, and General Support Maintenance Manual (including Repair Parts and Special Tools List) for Test Set, Organizational Maintenance AN/TPM-23 (4931-879-0905).* ,1990 **Instructors Solutions Manual** Susan Fry,David F. Groebner,2001-08-07

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