

MINI Cooper

2007 ▶ 2013 (R55, R56, R57)

Service Manual



This Bentley Manual is a comprehensive source of service information and specifications for MINI Cooper models from 2007 to 2013 (R55, R56, R57). The aim throughout this manual has been simplicity, clarity and completeness, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional or a do-it-yourself MINI owner, this manual will help you understand, care for and repair your car.

Though the do-it-yourself MINI owner will find this manual indispensable as a source of detailed maintenance and repair information, the owner who has no intention of working on his or her car will find that reading and owning this manual makes it possible to discuss repairs more intelligently with a professional technician.



Bentley technical authors testing fuel pump on the Cooper S engine.



Step-by-step instructions for resetting iCS service items, 600 Maintenance



Detailed engine service, including VANOS camshaft timing adjustment N12 Camshaft Timing Chain



High pressure fuel system service on turbo engine, including replacing HP fuel pump, 550 Fuel Tank and Fuel Pump



Comprehensive fuse, relay, and electrical component locations, ECU Electrical Component Locations

Features

- Procedures for everything from changing the ATF to replacing a dirty cabin microfilter and resetting the CBS (condition based service) system. This manual tells you what to do and how and when to do it.
- Engine and cylinder head service with variable camshaft timing (VANOS) setup and adjustment, including Valvetronic service on N12, N16, and N18 engines.
- Drivability troubleshooting and detailed repair information for the Siemens DME engine management systems.
- Turbocharger and intercooler information, including component removal and replacement (Cooper S, JCW).
- Drivetrain maintenance, including troubleshooting, adjustment and repair of clutch, gearshift linkage and drive axles.
- Suspension repairs, including strut and control arm replacement procedures.
- Manual and automatic transmission removal, installation, seal replacement and external service.
- System repair information for antilock brakes (ABS), automatic stability control (ASC) and dynamic stability control (DSC).
- Heating and air-conditioning repair (HKS / IHKA), including component replacement.
- Body adjustments and repairs for sunroof and convertible, including resetting of the rollover protection system.
- Electrical system service, including an easy to use electrical component section with detailed illustrations and photos.
- Comprehensive wiring schematics, including fuses and grounds.
- MINI OBD II diagnostic trouble codes, SAE-defined and OBD II P-codes, as well as basic scan tool information and OBD II diagnostic trouble codes (DTCs).
- MINI factory tolerances, wear limits, adjustments and tightening torques.

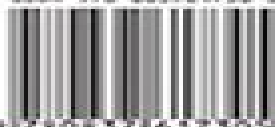
Models and engines covered

- | | |
|------------------|--|
| Cooper: | 1.6 liter normally-aspirated engine
(engine codes N12, N16) |
| Cooper S: | 1.6 liter turbocharged engine
(engine codes N14, N18) |

Transmissions covered

- | | |
|-------------------|---|
| Manual: | 6-speed Getrag (GS6-55BG for Cooper, GS6-53BG for Cooper S) |
| Automatic: | 6-speed with Agitronic, Aisin (GM6F21WA) |

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Mini Cooper S R55 Repair Service Manual

Haynes Publishing, Martynn Randall



Mini Cooper S R55 Repair Service Manual:

MINI Cooper (R55, R56, R57) Service Manual Bentley Publishers, 2011 The MINI Cooper Cooper S Clubman R55 R56 R57 2007 2011 Service Manual is a comprehensive source of service information and specifications for MINI Cooper models from 2007 to 2011 also known as the Mk II The aim throughout this manual has been simplicity clarity and completeness with practical explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself MINI owner this manual will help you understand care for and repair your car Engines covered N12 2007 2010 N14 2007 2010 N16 2011 N18 2011 Transmissions covered Automatic gearbox 6 speed AISIN GA6F21WA Manual gearbox 6 speed Getrag GS6 55BG for Cooper GS6 53BG for Cooper S

Mini Cooper (R55, R56, R57) Service Manual: 2007, 2008, 2009, 2010, 2011, 2012, 2013: Cooper, Cooper S, John Cooper Works (Jcw) Including Clubman, Con Bentley Publishers, 2014-10-01 The MINI Cooper Cooper S Clubman R55 R56 R57 2007 2013 Service Manual is a comprehensive source of service information and specifications for MINI Cooper models from 2007 to 2013 Mk II The aim throughout this manual has been simplicity clarity and completeness with practical explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself MINI owner this manual will help you understand care for and repair your car Engines covered Cooper 1 6 liter normally aspirated engine engine codes N12 N16 Cooper S 1 6 liter supercharged engine engine codes N14 N18 Transmissions covered Manual 6 speed Getrag GS6 55BG for Cooper GS6 53BG for Cooper S Automatic 6 speed with Agitronic Aisin GA6F21WA

MINI Cooper Service Manual ,2004 If you own one of these fabulous cars then you know how fun it is to drive And you probably know that your MINI is packed with some of BMW s latest automotive technology But if you want to maintain and repair your car yourself or just want to understand what s going on under the bonnet you ll be wanting the MINI Cooper Cooper S 2002 2004 Service Manual by Bentley Publishers This is the only comprehensive single source of service information and specifications available for MINI models from 2002 2004 The aim throughout this manual has been simplicity clarity and completeness achieved through practical explanations step by step procedures and accurate specifications Whether you re a professional technician or a do it yourself MINI owner this manual will help you understand care for and repair your car Bentley Publishers new MINI service and repair manual is based on factory information but is heavily supplemented by hands on experience and illustrations The service manual editorial team has disassembled and photographed several MINI models for this project in the Bentley Service Information Research Center

Amateur Radio ,1984 **CQ** ,1984 *Mini Cooper Service Manual 2002-2006* Bentley Publishers, 2007 The MINI Cooper Service Manual 2002 2006 is a comprehensive source of service information and specifications for MINI Cooper models from 2002 to 2006 This manual supersedes our previous 2002 2004 manual with two more model years of coverage as well as new repair information for the Convertible model The manual also includes coverage of the Cooper S models The aim throughout this manual has been simplicity clarity and completeness with practical

explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself MINI owner this manual will help you understand care for and repair your car Though the do it yourself MINI owner will find this manual indispensable as a source of detailed maintenance and repair information the owner who has no intention of working on his or her car will find that reading and owning this manual will make it possible to discuss repairs more intelligently with a professional technician

Chilton's Mini 2002-11 Repair Manual Martynn Randall,Peter T. Gill,2012 Covers U S and Canadian models of Mk I models R50 Cooper 2002 through 2006 R52 Cooper Convertible Cooper S Convertible 2005 through 2008 R53 Cooper S 2002 through 2006 Mk II models R55 Cooper Clubman Clubman S 2008 through 2011 R56 Cooper Cooper S 2007 through 2011 R57 Cooper Convertible Cooper S Convertible 2009 through 2011 Includes John Cooper Works JCW models Does not include Countryman models ro covertible top information

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Mini Service and Repair Manual Haynes Publishing,Martynn Randall,2014-12 Including step by step instructions for carrying out servicing and maintenance work this book includes hints tips and valuable short cuts that can help make car maintenance easier

Mini Coope Bentley Publishers,2009 Diagnostic tools and techniques Component descriptions and operation Circuit wiring schematics Pinout charts waveforms and nominal values Bus system operation and testing OBD II P code DTC lookup This MINI Cooper Diagnosis Without Guesswork handbook is a diagnostic manual written for the professional technician and the MINI enthusiast Not intended to be a repair manual this handbook is your comprehensive source for engine management and on board system diagnosis

Mini 2002 thru 2013 Haynes Repair Manual Editors of Haynes Manuals,2018-10-23 With a Haynes manual you can do it yourself from simple maintenance to basic repairs Haynes writes every book based on a complete teardown of the vehicle where we learn the best ways to do a job and that makes it quicker easier and cheaper for you Haynes books have clear instructions and hundreds of photographs that show each step Whether you are a beginner or a pro you can save big with a Haynes manual This manual features complete coverage for your Mini covering Routine maintenance Tune up procedures Engine repair Cooling and heating Air

conditioning Fuel and exhaust Emissions control Ignition Brakes Suspension and steering Electrical systems and Wiring diagrams This manual covers Mini Cooper Cooper S Clubman and Clubman S built between 2002 and 2013 Backpacker, 2000-03 Backpacker brings the outdoors straight to the reader's doorstep inspiring and enabling them to go more places and enjoy nature more often The authority on active adventure Backpacker is the world's first GPS enabled magazine and the only magazine whose editors personally test the hiking trails camping gear and survival tips they publish Backpacker's Editors Choice Awards an industry honor recognizing design feature and product innovation has become the gold standard against which all other outdoor industry awards are measured **Popular Photography**, 1990-10 **Digest of Technical Papers**, 1980 **The Complete Morris/Austin Mini Workshop Manual** Scientific Publications, 1968 **Popular Photography**, 1993-12 **Mini Petrol Service and Repair Manual** Martynn Randall, 2009 Mini One Cooper Cooper S Hatchback including option packs Does NOT cover models with CVT or Steptronic automatic transmission or features specific to Convertible or John Cooper Works conversions Does NOT cover new Mk II MINI introduced August 2006 Petrol 1.6 litre 1598cc including supercharged **The Complete BMC Workshop Manual**, 1968 *Mini Petrol and Diesel* Martynn Randall, 2013 With a Haynes manual you can do it yourself from simple maintenance to basic repairs Haynes writes every book based on a complete teardown of the motorcycle We learn the best ways to do a job and that makes it quicker easier and cheaper for you Our books have clear instructions and hundreds of photographs that show each step Whether you're a beginner or a pro you can save big with Haynes Step by step procedures Easy to follow photos Complete troubleshooting section Valuable short cuts Color spark plug diagnosis Complete coverage for your Honda XR250L 1991 thru 1996 XR250R 1986 thru 2004 and XR400R 1996 thru 2004 Routine Maintenance Tune up procedures Engine clutch and transmission repair Cooling system Fuel and exhaust Emissions control Ignition and electrical systems Brakes wheels and tires Steering suspension and final drive Frame and bodywork Wiring diagrams

Decoding **Mini Cooper S R55 Repair Service Manual**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Mini Cooper S R55 Repair Service Manual**," a mesmerizing literary creation penned by a celebrated wordsmith, readers set about an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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Mini Cooper S R55 Repair Service Manual Introduction

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