

MINI Cooper Service Manual: 2002-2006 MINI Cooper, MINI Cooper S, convertible

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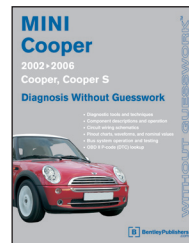
1424 pages, 2208 photos, illustrations and diagrams

Includes: 336 page MINI Cooper DTC-based diagnostic manual AND 16 page color MINI Familiarization section

The **MINI Cooper Service Manual: 2002-2006** is a comprehensive source of service information and specifications for MINI Cooper models from 2002 to 2006. Whether you're a professional or a do-it-yourself MINI owner, this manual will help you understand, care for and repair your car.

Features:

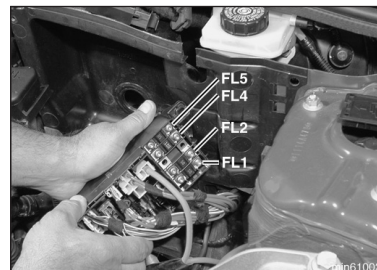
- Procedures for everything from basic oil change service to interpreting the malfunction indicator light (MIL). This manual tells you what to do and how and when to do it.
- Engine and cylinder head service, including camshaft timing chain setup and adjustment.
- Information for specific driveability problems, including explanation of the engine management system and OBD II diagnostic trouble codes (DTCs).
- Theory of operation and repair information for the EMS2000 engine management system.
- Supercharger and intercooler information, including component removal and replacement (Cooper S).
- Drivetrain maintenance, including troubleshooting, adjustment and repair of clutch, gearshift linkage and drive axles.
- Manual and automatic transmission removal, installation, seal replacement and external service.
- System description and repair information for Antilock Brakes (ABS), Automatic Stability Control (ASC) and Dynamic Stability Control (DSC).
- Heating and air conditioning repair (IHKS / IHKA), including component replacement.
- Body adjustments and repairs, including sunroof and convertible.
- Wiring schematics and extensive electrical component section specifying relay, control module and ground locations with detailed illustrations and photos.
- Includes bonus **Diagnosis Without Guesswork** manual. Written for the professional technician as well as the MINI enthusiast, this advanced DTC-based diagnostic troubleshooting manual is your comprehensive source of engine management and on-board system diagnosis.



Includes complete text of the **MINI Cooper - Diagnosis Without Guesswork: 200-2006** diagnostic trouble code manual



Measuring camshaft axial play.
116 Cylinder Head and Valvetrain



Locate difficult-to-find fuses.
610 Electrical Component Locations

Models & engines covered:

Cooper: 1.6 liter normally aspirated engine

Cooper S: 1.6 liter supercharged engine

Transmissions covered:

Cooper: Manual 5-speed transmission (Midlands, Getrag)
Automatic continuously variable transmission (CVT)

Cooper S: Manual 6-speed transmission (Getrag)
Automatic with Agitronic (Aisin)