

**Two volume set**

Bentley Publishers is proud to announce the publication of the *BMW 5 Series (E39) Service Manual: 1997-2002*. This Bentley Manual is the only comprehensive, single source of service information and specifications available specifically for BMW 5 Series from 1997 to 2002. Whether you are a professional or a do-it-yourself BMW owner, this manual will help you understand, care for and repair your E39 5 Series.

**Features:**

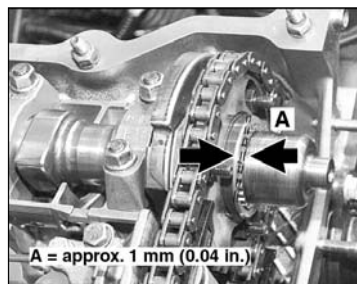
- Procedures for everything from the basic oil change service to interpreting the Malfunction Indicator Light (MIL). This manual tells you what to do and how and when to do it.
- Engine and cylinder head service, including camshaft timing chain setup and adjustment.
- Information for specific driveability problems, including explanation of engine management systems and BMW OBD II Diagnostic Trouble Codes (DTCs).
- Theory of operation and repair information for the Siemens and Bosch engine management systems.
- Drivetrain maintenance, troubleshooting, adjustment and repair of self-adjusting clutch (SAC), gearshift linkage, driveshaft, 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 (IHKA and IHKR), including component replacement.
- Body adjustments and repairs, including sunroof and tailgate.
- Wiring schematics and extensive electrical component section specifying relay, control module and ground locations with detailed illustrations and photos.

**BMW  
 5 Series (E39)  
 Service Manual: 1997-2002  
 525i, 528i, 530i, 540i  
 Sedan, Sport Wagon**

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Access Diagnostic Trouble Codes (DTCs) to diagnose engine management problems.  
**130 Fuel Injection**



Engine and cylinder head service, including Double VANOS timing chain setup and adjustment.  
**117 Camshaft Timing Chain**

**Models and engines covered**

6-cylinder engines: M52, M52 TU, M54  
 V-8 engines: M62, M62 TU

**Engine management systems covered (Motronic)**

Bosch M 5.2, M 5.2.1, ME 7.2  
 Siemens MS 41.0, MS 42.0, MS 43.0

**Manual transmissions covered**

Getrag S5D 250G, S6S 420 G  
 ZF S5D 320Z

**Automatic transmissions covered**

A4S 270R, A4S 310R  
 A5S 360R, A5S 390R  
 A5S 325Z  
 A5S 560Z, A5S 440Z