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- › [Volkswagen](#) /
- › [Volkswagen New Beetle 1998, 1999 : Service Manual, 2.0L Gasoline, 1.9L Tdi Diesel, 1.8L Turbo](#)

Volkswagen New Beetle 1998-1999

Volkswagen New Beetle Service Manual (1998-1999)

This manual provides comprehensive service and repair procedures for the Volkswagen New Beetle models from 1998 to 1999.

INTRODUCTION

This service manual, published by Bentley Publishers, offers detailed instructions and illustrations for maintenance, troubleshooting, and repair tasks for your Volkswagen New Beetle. It is designed for enthusiasts, do-it-yourselfers, and professional technicians seeking a thorough understanding of their vehicle.

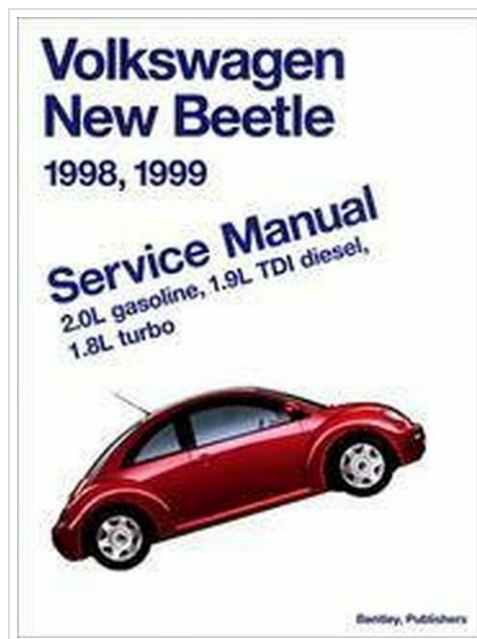


Image: Front cover of the Volkswagen New Beetle Service Manual, featuring the title, covered models (1998, 1999), engine types (2.0L gasoline, 1.9L TDI diesel, 1.8L turbo), and a red Volkswagen New Beetle car.

GETTING STARTED WITH YOUR SERVICE MANUAL

Before beginning any service or repair, familiarize yourself with the manual's layout and safety precautions. This manual covers various systems and components, providing step-by-step guidance.

Vehicle Identification

Ensure your vehicle matches the models covered: Volkswagen New Beetle 1998 and 1999. This manual specifically

addresses 2.0L gasoline (engine code AEG), 1.9L TDI diesel (engine code ALH) engines, and 02J 5-speed manual and 01M 4-speed automatic transmissions.

UNDERSTANDING VEHICLE SYSTEMS

This section provides insights into the operational principles of key vehicle systems, crucial for effective troubleshooting and repair.

Engine Management Systems

Detailed explanations of Motronic 5.9.2 and Diesel Turbo Direct Injection (TDI) engine management systems are included, along with information on OBD II (On-Board Diagnostics II).

Drivetrain Operation

Understand the function of the hydraulic clutch, gearshift linkage, and drive axles for proper maintenance and repair.

ROUTINE MAINTENANCE PROCEDURES

Regular maintenance is essential for the longevity and performance of your Volkswagen New Beetle. This manual provides comprehensive procedures for routine service.

Scheduled Service

- Routine oil changes
- Resetting automatic transmission basic settings
- Engine and cylinder head service, repair, and reconditioning, including camshaft toothed belt setup and adjustment.

Component Specific Maintenance

- Suspension component replacement (front struts, rear shocks, rear coil springs, wheel bearing/hub units).
- Heating and air conditioning repair, including A/C component replacement.

TROUBLESHOOTING AND DIAGNOSTICS

This section assists in diagnosing common issues and provides repair information for various vehicle systems.

Common Issues and Solutions

- Drivetrain maintenance, troubleshooting, adjustment and repair, including hydraulic clutch, gearshift linkage, and drive axles.
- Repair information for ABS and non-ABS brake systems.
- Body adjustment and repairs, including front and rear clip removal and installation.

Electrical System Diagnostics

Wiring schematics for all circuits are provided, including fuse/relay locations and a general explanation of electrical circuitry to aid in electrical troubleshooting.

TECHNICAL SPECIFICATIONS

Key technical details and specifications for the Volkswagen New Beetle (1998-1999) service manual.

Feature	Detail
Publisher	Bentley Pub
Publication Date	June 1, 1999
Edition	2nd
Language	English
Print Length	752 pages
ISBN-10	0837603854
ISBN-13	978-0837603858
Item Weight	3.3 pounds
Dimensions	8.5 x 1.5 x 11.25 inches
Engines Covered	2.0L gasoline (AEG), 1.9L TDI diesel (ALH)
Transmissions Covered	02J 5-speed Manual, 01M 4-speed Automatic

Note: This manual specifically covers the 1998 and 1999 model years of the Volkswagen New Beetle.

SUPPORT AND ADDITIONAL RESOURCES

For further assistance or inquiries regarding this service manual, please refer to the publisher, Bentley Publishers. Their manuals are known for their clarity and comprehensiveness. This manual is intended as a guide for service and repair. Always exercise caution and follow proper safety procedures when working on your vehicle.