

Audi A4 (B5)

Audi A4 (B5) Service Manual: 1996-2001 Models

Comprehensive Repair and Maintenance Information for 1.8L Turbo and 2.8L Engines, Including Avant and Quattro

INTRODUCTION

This service manual provides in-depth maintenance, service, and repair information specifically for Audi A4 models built on the B5 platform, covering model years 1996 through 2001. It is designed to assist both professional technicians and do-it-yourself Audi owners in understanding, caring for, and repairing their vehicles.

The manual emphasizes clarity and simplicity, offering practical explanations, step-by-step procedures, and factory specifications to ensure accurate and effective vehicle servicing.

APPLICABLE MODELS AND ENGINES

This manual covers the following Audi A4 (B5) variants:

- **Model Years:** 1996, 1997, 1998, 1999, 2000, 2001
- **Body Styles:** Sedan and Avant (wagon)
- **Drivetrain:** Front-wheel drive and Quattro (all-wheel drive)

Engines Covered:

- **1.8L Turbo Gasoline:** Engine codes AEB, ATW, AWM
- **2.8L Gasoline:** Engine codes AFC, AHA, ATQ

Transmissions Covered:

- **5-speed Manual:** Transmission codes 012, 01W, 01A
- **5-speed Automatic:** Transmission code 01V

MAINTENANCE PROCEDURES

Regular maintenance is crucial for the longevity and optimal performance of your Audi A4. This manual details all factory-recommended service intervals and procedures, including:

- Fluid checks and changes (engine oil, coolant, brake fluid, power steering fluid, transmission fluid)
- Filter replacements (oil filter, air filter, fuel filter, cabin air filter)
- Spark plug inspection and replacement
- Belt and hose inspections
- Brake system inspection and service
- Tire rotation and pressure checks
- General inspection of suspension, steering, and exhaust systems

Following these guidelines will help ensure your vehicle remains in excellent operating condition.

REPAIR INFORMATION

The manual provides comprehensive repair instructions for various vehicle systems. Each procedure is presented with clear, step-by-step instructions and often accompanied by illustrations or diagrams to aid understanding. Key repair areas include:

- **Engine:** Diagnosis, removal, installation, and overhaul procedures for both 1.8L Turbo and 2.8L engines.
- **Transmission:** Service and repair for manual and automatic transmissions.
- **Brakes:** Component replacement, bleeding procedures, and system diagnostics.
- **Suspension and Steering:** Component replacement, alignment specifications, and troubleshooting.
- **Electrical System:** Wiring diagrams, component testing, and fault finding.
- **Body and Interior:** Removal and installation of various body panels, trim, and interior components.

Always refer to the specific section for your vehicle's system before attempting any repair.

TROUBLESHOOTING

This section assists in diagnosing common issues that may arise with your Audi A4. It includes:

- Diagnostic charts for various symptoms (e.g., engine not starting, poor performance, unusual noises).
- Guidance on interpreting diagnostic trouble codes (DTCs).
- Step-by-step diagnostic procedures to pinpoint the root cause of a problem.

Proper use of the troubleshooting guides can save time and prevent unnecessary component replacement.

SPECIFICATIONS

Detailed technical specifications are provided for various components and systems, including:

- Torque specifications for fasteners
- Fluid capacities and types
- Electrical component values
- Engine and transmission codes (as listed above)

These specifications are essential for correct assembly, adjustment, and operation.

USING THIS MANUAL EFFECTIVELY

To get the most out of this service manual:

- **Read Thoroughly:** Before starting any procedure, read the entire section to understand the steps involved and any warnings or cautions.
- **Safety First:** Always observe safety precautions, including wearing appropriate personal protective equipment and using proper tools.
- **Identify Your Vehicle:** Confirm the specific engine and transmission codes of your Audi A4 to ensure you are following the correct procedures.
- **Refer to Illustrations:** Use the provided diagrams and images to visualize components and steps.

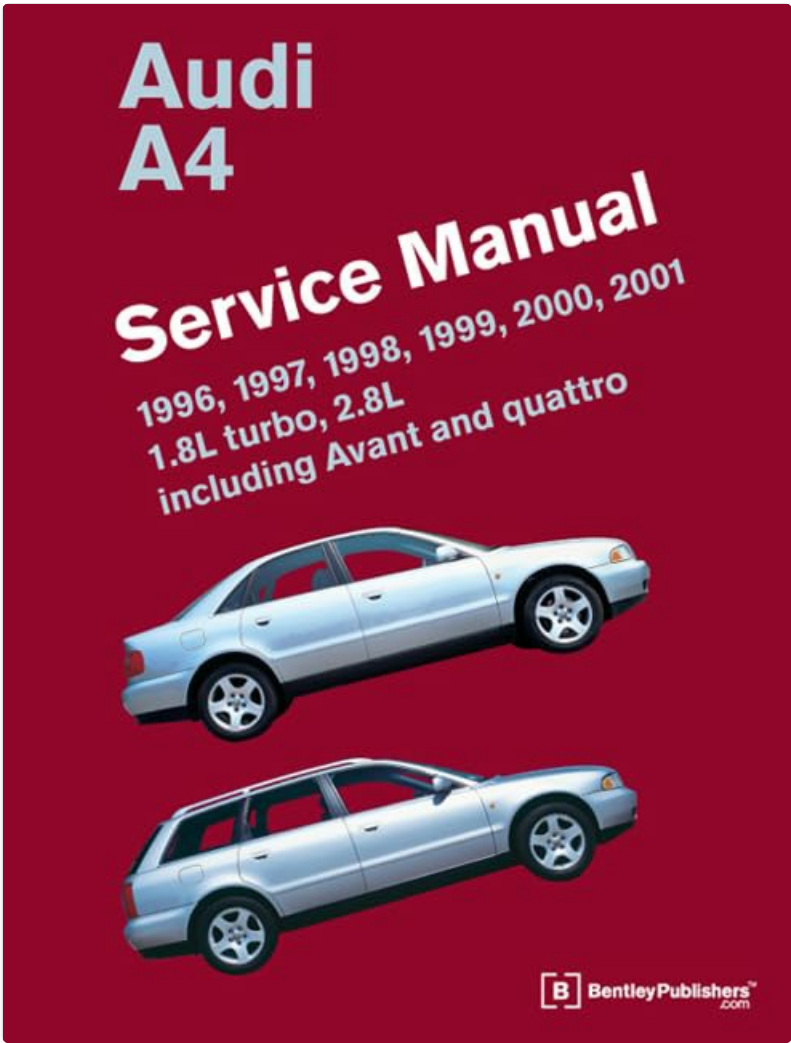
PUBLISHER INFORMATION

This service manual is published by **Bentley Publishers**, renowned for their comprehensive and accurate automotive repair literature. For additional resources or inquiries, please refer to the publisher's official channels.

Publication Details:

- **Publisher:** Bentley Publishers
- **Publication Date:** April 15, 2011
- **Edition:** Illustrated
- **Language:** English
- **Print Length:** 1524 pages
- **ISBN-10:** 0837616751
- **ISBN-13:** 978-0837616759



PRODUCT IMAGE



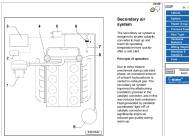
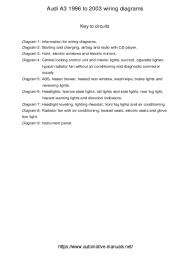


This image displays the front cover of the Audi A4 (B5) Service Manual. The cover features the title 'Audi A4 Service Manual' along with the applicable years (1996-2001) and engine types (1.8L turbo, 2.8L), including Avant and Quattro models. Two silver Audi A4 vehicles, a sedan and an Avant (wagon), are prominently shown on a red background. The Bentley Publishers logo is visible at the bottom right.

© 2024 Bentley Publishers. All rights reserved. This manual is for informational purposes only.

Related Documents - A4 (B5)

	<p>Audi A6 (1998-2004) Heating & Air Conditioning Electrical Testing Manual</p> <p>Comprehensive guide for electrical testing of Audi A6 (1998-2004) heating and air conditioning systems. Details tools, procedures, and troubleshooting for automotive technicians.</p>
	<p>Audi A6 (1998-2004) Exhaust System and Exhaust Gas Temperature Sensor Repair Guide</p> <p>Comprehensive guide for the removal, installation, alignment, and testing of the exhaust system and exhaust gas temperature sensor for Audi A6 Sedan, Avant, allroad quattro, S6 Avant, and RS6 models from 1998 to 2004. Includes detailed procedures, tightening torques, and diagnostic steps.</p>

	<p>Audi A6 Electrical Wiring Manual 1998-2000 Bentley Publishers</p> <p>Comprehensive electrical wiring manual for Audi A6 Sedan, Avant, and allroad quattro models (1998-2000). Includes detailed wiring diagrams, component locations, scan tool diagnostics, engine and transmission specifications, and more from Bentley Publishers.</p>
	<p>Audi A6 Heating & Air Conditioning: Output Diagnostic Test Mode Guide</p> <p>This document provides detailed instructions for performing the Output Diagnostic Test Mode (DTM) on the heating and air conditioning systems of various Audi A6 models (Sedan, Avant, allroad quattro, S6, RS6) from 1998 to 2004. It covers initiation, execution, and troubleshooting of HVAC components.</p>
	<p>Audi A6 4.2L V8 (BAS) Secondary Air Injection System Repair Guide</p> <p>Detailed technical guide for the Audi A6 (1998-2004) 4.2L V8 (BAS engine code) secondary air injection system. Covers system function, principle of operation, component identification, diagnostic procedures, and repair instructions for the AIR pump, solenoid valve, and combination valves.</p>
	<p>Audi A3 1996-2003 Wiring Diagrams and Technical Guide</p> <p>Comprehensive wiring diagrams and technical information for Audi A3 models manufactured between 1996 and 2003, covering electrical systems, components, and troubleshooting.</p>