

Peugeot 1.7 and 1.9 Litre Diesel Engine

Peugeot 1.7 and 1.9 Litre Diesel Engine Owner's Workshop Manual

Models Covered: 1982 to 1990

Introduction

This Owner's Workshop Manual provides comprehensive information for the maintenance, service, and repair of Peugeot and Talbot vehicles fitted with 1.7 and 1.9 litre diesel engines manufactured between 1982 and 1990. It is designed for both the professional mechanic and the do-it-yourself enthusiast, offering step-by-step procedures and detailed illustrations to ensure proper vehicle care and repair. Adherence to the instructions within this manual will help maintain the vehicle's performance and longevity.

The manual is structured to guide users through various tasks, from routine servicing to more complex engine overhauls. Always prioritize safety and use appropriate tools and protective equipment when performing any work on the vehicle.

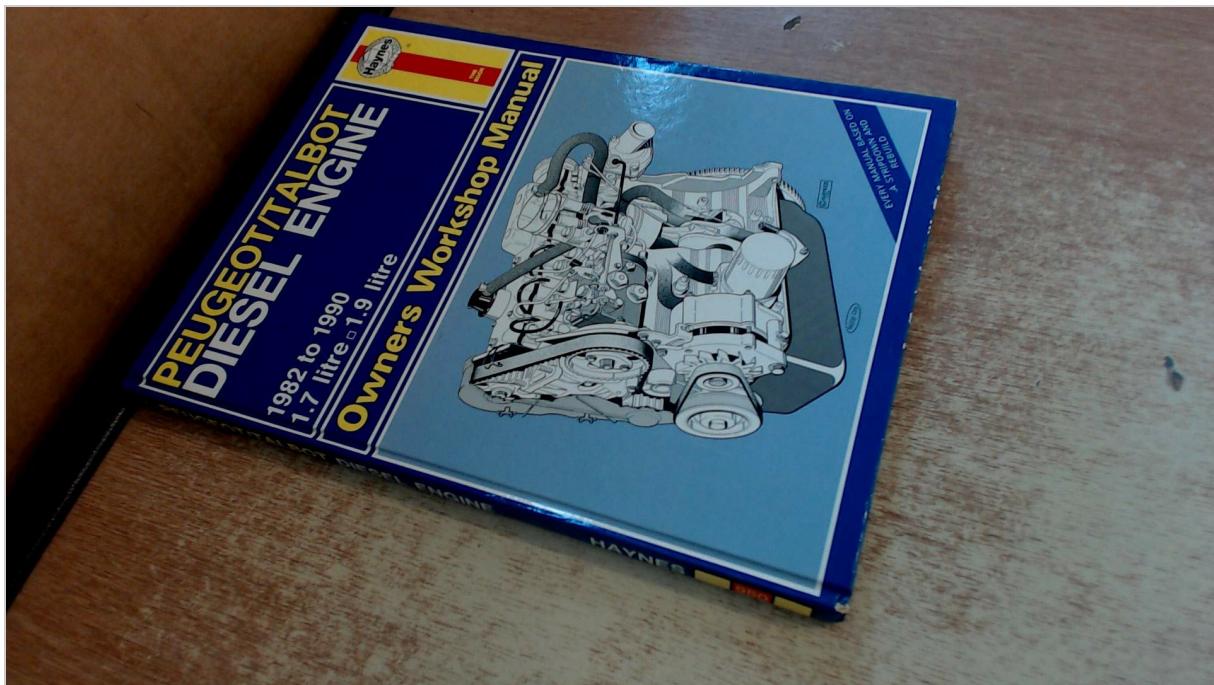


Image: Front cover of the Haynes Owner's Workshop Manual for Peugeot and Talbot 1.7 and 1.9 Litre Diesel Engines (1982-1990). The cover features the Haynes logo, vehicle models, engine sizes, and a detailed technical illustration of a diesel engine.

Setup and Preparation

Before commencing any work, ensure the vehicle is safely positioned on a level surface. Disconnect the battery's negative terminal to prevent accidental electrical activation. Gather all necessary tools and replacement parts as specified for the task. Refer to the manual's initial sections for general safety precautions and workshop practices.

- **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- **Vehicle Support:** Use jack stands to support the vehicle securely after lifting. Never rely solely on a jack.
- **Fluid Management:** Prepare containers for draining fluids such as engine oil, coolant, or fuel. Dispose of all fluids responsibly.
- **Workspace:** Ensure your work area is well-lit and free from obstructions.

Operating and Maintenance Procedures

This section outlines routine operating checks and scheduled maintenance tasks essential for the longevity and reliability of your Peugeot or Talbot diesel engine. Regular maintenance helps prevent major issues and ensures optimal performance.

1. **Engine Oil and Filter Change:** Detailed steps for draining old oil, replacing the oil filter, and refilling with the correct grade and quantity of new engine oil.
2. **Fuel Filter Replacement:** Instructions for safely replacing the diesel fuel filter, including bleeding the fuel system if necessary.
3. **Air Filter Inspection and Replacement:** Guidance on checking the air filter element and replacing it to ensure proper engine breathing.
4. **Coolant System Check:** Procedures for inspecting coolant levels, checking for leaks, and replacing coolant as per manufacturer specifications.
5. **Brake System Maintenance:** Information on inspecting brake pads, discs, fluid levels, and bleeding the brake system.
6. **Timing Belt Replacement:** Critical steps for inspecting and replacing the timing belt, including tensioning procedures.

Refer to the specific chapters within the manual for detailed diagrams, torque specifications, and special tool requirements for each procedure.

Troubleshooting Common Issues

This section provides a guide to diagnosing and resolving common problems that may arise with your diesel engine. It covers symptoms, probable causes, and recommended solutions.

- **Engine Fails to Start:** Check battery charge, fuel supply, glow plugs, and starter motor.
- **Engine Runs Roughly/Misfires:** Investigate fuel injector issues, air in the fuel system, or compression problems.
- **Excessive Smoke from Exhaust:** Diagnose based on smoke color (blue, black, white) to identify oil burning, rich fuel mixture, or coolant issues.
- **Overheating Engine:** Inspect coolant level, radiator, thermostat, water pump, and cooling fan operation.
- **Loss of Power:** Examine fuel delivery, air intake restrictions, turbocharger function (if applicable), and exhaust system integrity.

For detailed diagnostic charts and repair procedures, consult the dedicated troubleshooting chapters in the manual.

Specifications

This manual includes comprehensive technical specifications for the 1.7 and 1.9 litre diesel engines, covering various components and systems. These specifications are crucial for proper repair and assembly.

- **Engine Data:** Bore, stroke, displacement, compression ratio, power output.
- **Torque Settings:** Specific tightening torques for cylinder head bolts, main bearings, connecting rod caps, etc.
- **Fluid Capacities:** Engine oil, coolant, transmission fluid, fuel tank capacity.
- **Electrical System:** Battery specifications, alternator output, starter motor details.
- **Fuel System:** Injector pressure, fuel pump specifications.

Always refer to the specific tables and charts within the manual for precise values relevant to your engine variant.

Warranty and Support

This Owner's Workshop Manual is a third-party publication by Haynes Publishing, designed to assist with vehicle maintenance and repair. It does not include specific product warranty information for the vehicle itself. For vehicle warranty details, please consult your original vehicle manufacturer's documentation or an authorized Peugeot/Talbot dealership.

For support regarding the content of this manual, please refer to the publisher, Haynes Publishing. Contact information for the publisher is typically found on the manual's copyright page or their official website.

Related Documents - 1.7 and 1.9 Litre Diesel Engine

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