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› Haynes Fiat Punto Petrol Service and Repair Manual (Oct 1999 - July 2003)

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Haynes Fiat Punto Petrol Service and Repair Manual

Models Covered: October 1999 to July 2003 (V Reg Onwards)

Introduction **Using This Manual** **Routine Maintenance** **Repair**
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1. INTRODUCTION

This Haynes Service and Repair Manual provides comprehensive information for the Fiat Punto Petrol models produced between October 1999 and July 2003. It is designed to assist owners in performing routine maintenance, servicing, and various repair tasks. The manual details procedures with step-by-step instructions and accompanying photographs, making complex tasks accessible to both experienced mechanics and novice users.

The content covers essential aspects of vehicle care, aiming to help maintain the vehicle's reliability and extend its lifespan. Always prioritize safety when working on your vehicle and ensure you have the correct tools and protective equipment.

FIAT PUNTO



Oct 1999 to July 2003 (V reg onwards) Petrol

Haynes **Service and Repair Manual**



Includes **Roadside Repairs** and **MOT Test Checks**

Figure 1.1: Front cover of the Haynes Fiat Punto Petrol Service and Repair Manual. This image displays a light blue Fiat Punto with its bonnet open, revealing the engine bay. The Haynes logo and manual title are prominently featured.

2. USING THIS MANUAL

To effectively utilize this manual, it is recommended to read through the entire procedure before beginning any work. This will provide a complete understanding of the steps involved, required tools, and potential challenges. Each chapter focuses on a specific system or component of the vehicle.

- **Safety First:** Always disconnect the battery's negative terminal before working on electrical

components. Allow the engine to cool before working on hot components. Use jack stands when lifting the vehicle.

- **Tools:** Ensure you have the correct tools for each task. Using improper tools can cause damage or injury.
- **Step-by-Step Instructions:** Follow the numbered steps sequentially. Photographs are provided to illustrate key stages of the process.
- **Torque Settings:** Refer to the 'Specifications' section for correct torque settings for fasteners. Overtightening or undertightening can lead to component failure.
- **Fluid Types:** Use only the specified fluids and lubricants for your vehicle model.

3. ROUTINE MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your Fiat Punto. This section outlines routine checks and service procedures that should be performed at specified intervals.

3.1 Engine Oil and Filter Change

1. Warm the engine to operating temperature, then switch off and allow to cool slightly.
2. Position a drain pan beneath the sump plug.
3. Remove the sump plug and allow the old oil to drain completely.
4. Remove the old oil filter using a suitable filter wrench.
5. Apply a thin film of new oil to the rubber seal of the new filter, then screw it on by hand until snug. Tighten an additional half to three-quarters turn.
6. Refit the sump plug with a new washer and tighten to the specified torque.
7. Refill the engine with the recommended type and quantity of new engine oil.
8. Start the engine and check for leaks. Allow to run for a few minutes, then switch off and recheck the oil level after a short period.

3.2 Fluid Level Checks

- **Coolant:** Check the coolant level in the expansion tank when the engine is cold. Top up with the specified coolant mixture if necessary.
- **Brake Fluid:** Ensure the brake fluid level is between the MIN and MAX marks on the reservoir. A low level may indicate worn brake pads or a leak.
- **Power Steering Fluid:** Check the power steering fluid level with the engine off and cold.
- **Windscreen Washer Fluid:** Keep the reservoir topped up for clear visibility.

4. REPAIR PROCEDURES

This section provides detailed instructions for various repair tasks, ranging from minor component replacement to more complex system overhauls. Always consult the specific chapter relevant to the repair you are undertaking.

4.1 Brake Pad Replacement

Replacing brake pads is a common maintenance item. This manual provides step-by-step guidance for safely removing worn pads and installing new ones, including caliper removal and reassembly procedures. Ensure the vehicle is securely supported on jack stands before beginning work.

4.2 Engine Component Removal and Installation

Detailed procedures are included for removing and installing various engine components, such as the alternator, starter motor, and timing belt. Special attention is given to correct alignment, tensioning, and torque specifications to prevent damage and ensure proper operation.

5. TROUBLESHOOTING COMMON ISSUES

This section helps diagnose common problems that may arise with your Fiat Punto. It provides a guide to identifying symptoms and potential causes, directing you to the relevant repair sections.

Symptom	Possible Cause	Action/Reference
Engine fails to start	Flat battery, faulty starter motor, fuel system issue, ignition system fault.	Check battery terminals, test battery voltage, inspect starter motor wiring, check fuel pump operation, inspect spark plugs.
Brakes feel spongy	Air in the hydraulic system, low brake fluid, worn master cylinder.	Bleed brake system, check fluid level, inspect for leaks, consider master cylinder inspection.
Overheating engine	Low coolant level, faulty thermostat, blocked radiator, malfunctioning cooling fan.	Check coolant level, test thermostat, inspect radiator for obstructions, check fan operation.

6. SPECIFICATIONS

This section provides key technical specifications for the Fiat Punto Petrol models covered by this manual. Always refer to the specific sub-sections within the manual for detailed component specifications and torque settings.

- **Engine Types:** Various petrol engine capacities (e.g., 1.2L, 1.4L) are covered, with specific details for each.
- **Fluid Capacities:** Engine oil, coolant, transmission fluid, and brake fluid capacities are listed.
- **Torque Settings:** Critical fastener torque specifications for engine, chassis, and body components.
- **Electrical System:** Battery specifications, fuse box layouts, and wiring diagrams.
- **Dimensions and Weights:** General vehicle dimensions and weight information.

Note: Specific values for these specifications are detailed within the relevant chapters of the manual.