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Honda CHF50 Metropolitan

2002-2009 Honda CHF50 Metropolitan Scooter Service Manual

Detailed Repair and Maintenance Instructions by Cyclepedia Press LLC

INTRODUCTION

This manual provides comprehensive service and repair information for the **Honda CHF50 Metropolitan scooter models from 2002 to 2009**. It is an original publication by Cyclepedia Press LLC, designed to assist owners and technicians in performing maintenance and repairs.

The manual features 361 pages of detailed photographs, wiring diagrams, complete specifications, and step-by-step procedures, all performed and written by a veteran Honda dealer-trained technician.

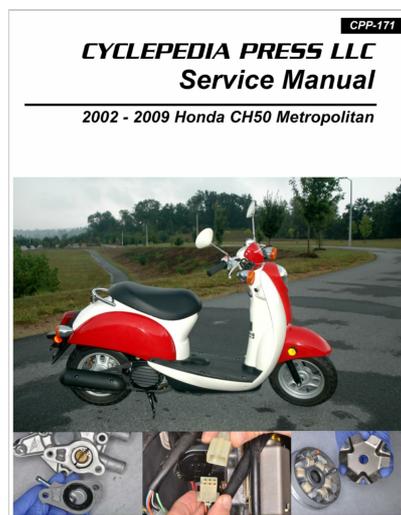


Image: Front cover of the service manual.

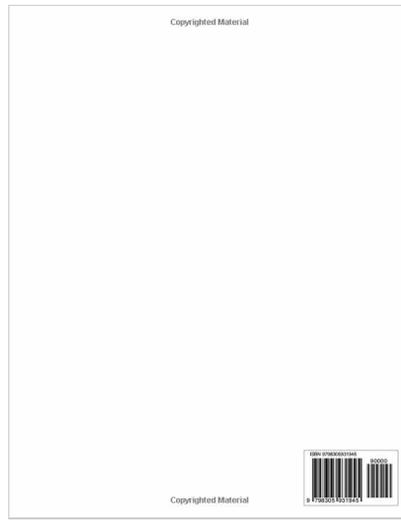


Image: Back cover of the service manual with ISBN barcode.

APPLICABLE MODELS

This service manual provides repair information for the following Honda CHF50 Metropolitan scooter models:

- 2002 Honda CHF50 Metropolitan
- 2002 Honda CHF50P Metropolitan II
- 2003 Honda CHF50 Metropolitan
- 2003 Honda CHF50P Metropolitan II
- 2004 Honda CHF50 Metropolitan
- 2004 Honda CHF50P Metropolitan II
- 2005 Honda CHF50 Metropolitan
- 2005 Honda CHF50P Metropolitan II
- 2006 Honda CHF50 Metropolitan
- 2007 Honda CHF50 Metropolitan
- 2008 Honda CHF50 Metropolitan
- 2009 Honda CHF50 Metropolitan

HOW TO USE THIS MANUAL

This service manual is organized into distinct sections, each covering a specific system or component of your Honda CHF50 Metropolitan scooter. To effectively use this manual:

1. **Identify the System:** Locate the section corresponding to the part of the scooter you need to service (e.g., Engine, Brakes, Electrical System).
2. **Review Procedures:** Read through the step-by-step instructions for the specific task you are performing.
3. **Consult Diagrams:** Utilize the detailed photographs and wiring diagrams to aid in component identification and assembly.
4. **Check Specifications:** Refer to the specifications tables for correct torque values, clearances, and fluid capacities.

Always prioritize safety. Ensure the scooter is stable, the engine is cool, and you are wearing appropriate personal protective equipment before beginning any maintenance or repair work.

PERIODIC MAINTENANCE

Regular periodic maintenance is essential for ensuring the reliability and performance of your Honda CHF50 Metropolitan scooter. This section outlines key maintenance tasks:

- Periodic Maintenance Chart
- Throttle Free Play Adjustment
- Engine Idle Speed Adjustment
- Engine Oil Inspection and Replacement
- Valve Adjustment
- Air Filter Servicing
- Brake Inspection
- Spark Plug Inspection and Replacement
- Compression Test
- Coolant Check and Replacement

ENGINE SYSTEM

This section provides detailed procedures for the inspection, removal, installation, and repair of engine components.

- Engine Specifications
- Kick Starter Service
- Alternator Removal and Installation
- Camshaft Inspection and Service
- Cylinder Head Service
- Valve Inspection and Adjustment
- Cylinder and Piston Service
- Oil Pump Service
- Engine Removal Procedures
- Engine Installation Procedures
- Crankcase Service

ELECTRICAL SYSTEM

This section covers the electrical components, wiring, and diagnostic procedures for the scooter.

- Electrical Specifications
- Ignition System Diagnostics and Service
- Charging System Diagnostics and Service
- Starting System Diagnostics and Service
- Switches Inspection and Replacement
- Lights Inspection and Replacement
- Wiring Diagram

BRAKE SYSTEM

Instructions for inspecting, maintaining, and repairing the front and rear brake systems.

- Front Brake Service
- Rear Brake Service

COOLING SYSTEM

This section provides information on the scooter's liquid cooling system.

- Water Pump Service
- Coolant Inspection and Replacement
- Radiator Service
- Thermostat Inspection and Replacement

FUEL SYSTEM

Guidance on the fuel delivery system, including carburetor service and fuel tank components.

- Airbox Service
- Carburetor Removal
- Carburetor Disassembly
- Carburetor Assembly
- Carburetor Installation
- Carburetor Specifications
- Fuel Tank Service
- Fuel Pump Service

EXTERNAL COMPONENTS

Instructions for the removal, installation, and service of the scooter's body panels and other external parts.

- Body Covers Removal and Installation
- Seat Removal and Installation
- Handlebar Service
- Front Fender Service
- Rear Fender Service
- Exhaust System Service

FINAL DRIVE

Service procedures for the scooter's automatic transmission and final reduction gear.

- Drive Pulley Service
- Drive Belt Inspection and Replacement
- Driven Pulley Service
- Clutch Service
- Final Reduction Gear Service
- Final Reduction Assembly

STEERING SYSTEM

Guidance on the inspection and service of the steering components.

- Steering Removal
- Steering Installation
- Bearing Replacement

SUSPENSION SYSTEM

Service information for the front forks and rear shock absorber.

- Shock Absorber Service
- Fork Service

WHEELS AND AXLES

Procedures for the inspection, removal, and installation of wheels and axle components.

- Wheel and Axle Inspection
- Front Wheel Service
- Rear Wheel Service
- Bearing Replacement

SPECIFICATIONS AND QUICK REFERENCE

This section compiles essential technical data and quick reference information to aid in service and repair.

- CHF50 Metropolitan Specifications
- VIN and Engine Number Location
- Torque Specifications (specific to components)
- General Torque Specifications

Manual Publication Details

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TROUBLESHOOTING ASSISTANCE

This service manual serves as a primary resource for troubleshooting issues with your Honda CHF50 Metropolitan scooter. By following the detailed inspection, testing, and repair procedures outlined for each system, users can effectively diagnose

and resolve problems. The comprehensive wiring diagrams are particularly useful for electrical troubleshooting.