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› Clymer Yamaha YZ WR250F 2001-2003 Motorcycle Repair Manual

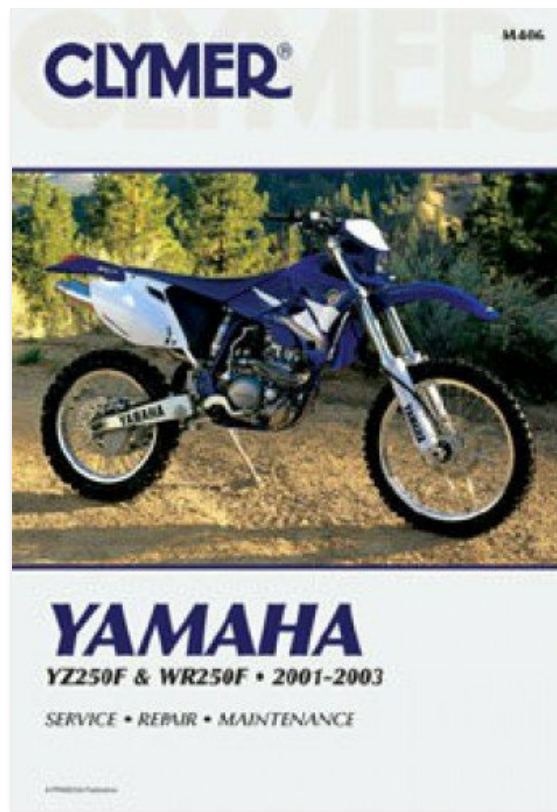
Clymer YZ WR250F 2001-2003

Clymer Yamaha YZ WR250F 2001-2003 Motorcycle Repair Manual

Brand: Clymer | **Model:** Yamaha YZ250F & WR250F (2001-2003)

1. INTRODUCTION

This manual provides comprehensive service, repair, and maintenance information for Yamaha YZ250F and WR250F motorcycles manufactured between 2001 and 2003. It is designed to assist owners and professional mechanics in performing various tasks, from routine maintenance to complex engine overhauls. Each section is organized to provide clear, step-by-step instructions, accompanied by illustrations and diagrams to ensure accuracy and ease of understanding.



This image displays the cover of the Clymer Yamaha YZ WR250F 2001-2003 Motorcycle Repair Manual. The cover features a blue and white Yamaha dirt bike, specifically a YZ or WR250F model, set against a natural outdoor background with trees. The Clymer logo is prominently displayed at the top, along with the manual's title indicating coverage for Yamaha YZ250F & WR250F models from 2001-2003, and keywords like 'SERVICE • REPAIR • MAINTENANCE'.

2. MANUAL OVERVIEW AND SAFETY

Before beginning any work on your motorcycle, it is crucial to familiarize yourself with the contents of this manual and understand all safety precautions. This section outlines general safety practices and provides guidance on how to effectively use the manual's various chapters and diagrams.

2.1. General Safety Precautions

- Always wear appropriate safety gear, including eye protection and gloves.
- Ensure the motorcycle is stable and secure before performing any work.
- Disconnect the battery before working on electrical components.
- Allow the engine and exhaust system to cool down before handling.
- Use only the specified tools and replacement parts.
- Work in a well-ventilated area, especially when dealing with fuels or chemicals.

2.2. How to Use This Manual

This manual is divided into chapters, each covering a specific system or component of the motorcycle. Refer to the chapter relevant to the task you are performing. Diagrams and exploded views are provided to aid in component identification and assembly. Torque specifications are listed where applicable and should be strictly adhered to.

3. MAINTENANCE PROCEDURES

Regular maintenance is essential for the longevity and optimal performance of your Yamaha YZ250F or WR250F. This section details routine maintenance tasks and their recommended intervals.

3.1. Engine Oil and Filter Change

1. Warm up the engine for a few minutes, then shut it off.
2. Place a drain pan beneath the engine.
3. Remove the oil drain plug and allow the oil to drain completely.
4. Remove the oil filter cover and replace the oil filter element and O-rings.
5. Reinstall the drain plug with a new washer and tighten to specification.
6. Fill the engine with the recommended type and quantity of new engine oil.
7. Check the oil level using the dipstick or sight glass.

3.2. Chain Adjustment and Lubrication

Proper chain tension is vital for safe operation and chain life. Check chain slack regularly and adjust as needed. Lubricate the chain after every ride or every 500 miles, whichever comes first.

- Measure chain slack at the tightest point.
- Loosen the axle nut and chain adjuster lock nuts.
- Turn the chain adjusters equally on both sides until the correct slack is achieved.
- Tighten the axle nut and then the chain adjuster lock nuts.
- Apply a suitable chain lubricant evenly to the entire chain.

4. TROUBLESHOOTING COMMON ISSUES

This section provides a guide to diagnosing and resolving common problems that may arise with your Yamaha YZ250F or WR250F. For more detailed troubleshooting, refer to the specific system chapters within this manual.

Symptom	Possible Cause	Solution
Engine will not start	No fuel, weak spark, fouled spark plug, low compression	Check fuel level, inspect spark plug, test ignition system, check valve clearances
Poor engine performance	Clogged air filter, carburetor issues, incorrect valve timing	Clean/replace air filter, clean carburetor, check camshaft timing
Brakes feel spongy	Air in brake lines, worn brake pads, low brake fluid	Bleed brake system, replace brake pads, top up brake fluid

5. SPECIFICATIONS

This section provides key technical specifications for the Yamaha YZ250F and WR250F models covered by this manual. These specifications are crucial for proper maintenance and repair.

- **Engine Type:** 4-stroke, liquid-cooled, DOHC, 4-valve single
- **Displacement:** 249cc
- **Bore x Stroke:** 77.0 x 53.6 mm
- **Compression Ratio:** Varies by model year (refer to specific chapter)
- **Fuel System:** Carburetor (Keihin FCR)
- **Ignition System:** CDI
- **Transmission:** 5-speed constant mesh
- **Front Suspension:** Inverted telescopic fork
- **Rear Suspension:** Swingarm (link suspension)

- **Brakes:** Hydraulic disc (front and rear)
- **Tire Sizes:**
 - Front: 80/100-21
 - Rear: 100/100-18 (WR250F), 100/90-19 (YZ250F)

Note: Specific values for torque settings, fluid capacities, and wear limits are detailed within the relevant chapters of the full manual. Always consult the detailed sections for precise figures.

6. WARRANTY AND SUPPORT INFORMATION

This repair manual itself does not come with a specific product warranty from the publisher beyond standard consumer rights for printed materials. For information regarding the warranty of your Yamaha YZ250F or WR250F motorcycle, please refer to the original owner's manual provided by Yamaha or contact an authorized Yamaha dealership.

For support related to the content of this Clymer manual, or if you require clarification on any repair procedure, it is recommended to consult with a qualified motorcycle mechanic or refer to official Yamaha service bulletins.