

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Honda](#) /

› [Honda CRF250F Service Manual](#)

## Honda CRF250F

# Honda CRF250F Service Manual

Comprehensive guide for maintenance and repair

## INTRODUCTION

This service manual provides detailed instructions for the maintenance, repair, and troubleshooting of the Honda CRF250F motorcycle. It is intended for use by qualified technicians and experienced owners. Always refer to the latest version of this manual and use genuine Honda parts for optimal performance and safety.

Before beginning any service procedure, ensure you have read and understood all safety warnings and precautions outlined in this manual.

## SAFETY PRECAUTIONS

Always wear appropriate safety gear, including eye protection and gloves, when performing maintenance. Ensure the motorcycle is stable on a level surface before working on it. Disconnect the battery before working on electrical components. Allow the engine and exhaust system to cool completely before handling to prevent burns.

**Warning:** Failure to follow safety instructions can result in serious injury or death. Always consult a professional mechanic if you are unsure about any procedure.

## SETUP AND PRE-RIDE INSPECTION

Before each ride, perform a thorough pre-ride inspection to ensure the motorcycle is in safe operating condition. This includes checking tire pressure, brake fluid levels, chain tension, and lighting.

### Initial Assembly (if applicable)

If the motorcycle was shipped partially disassembled, refer to the assembly instructions provided with the packaging. Key steps typically include:

1. Attach handlebars and tighten fasteners to specified torque.
2. Install front wheel and align brake caliper.
3. Connect battery terminals (positive first, then negative).
4. Check all fluid levels (engine oil, brake fluid).
5. Adjust chain slack.

## Pre-Ride Checklist

- **Tires:** Check pressure and tread wear.
- **Brakes:** Verify lever/pedal free play and fluid levels.
- **Chain:** Inspect tension and lubrication.
- **Controls:** Ensure throttle, clutch, and brake levers operate smoothly.
- **Lights:** Test headlights, taillights, and turn signals.
- **Fluids:** Check engine oil, coolant (if applicable), and brake fluid.

## OPERATING INSTRUCTIONS

---

This section covers basic operation of the Honda CRF250F. For advanced riding techniques, consult a certified instructor.

### Starting the Engine

1. Ensure the transmission is in neutral.
2. Turn the ignition key to the "ON" position.
3. If cold, pull the choke lever (if equipped).
4. Press the electric starter button.
5. Once started, allow the engine to warm up for a few minutes before riding.

### Shifting Gears

The CRF250F features a manual transmission. To shift up, close the throttle, pull in the clutch lever, shift the gear pedal up, and then release the clutch lever smoothly while opening the throttle. To shift down, close the throttle, pull in the clutch lever, shift the gear pedal down, and release the clutch lever smoothly.

### Braking

Apply both front and rear brakes simultaneously for effective stopping. Use the front brake lever for the front wheel and the rear brake pedal for the rear wheel. Practice braking in a safe, open area to become familiar with the motorcycle's stopping characteristics.

## MAINTENANCE SCHEDULE AND PROCEDURES

---

Regular maintenance is crucial for the longevity and safe operation of your Honda CRF250F. Adhere to the recommended service intervals.

### Periodic Maintenance Chart

Item	Interval	Procedure
Engine Oil	Every 15 hours or 3 months	Change oil and filter
Air Filter	Every 5 hours or monthly	Clean/replace
Spark Plug	Every 30 hours or 6 months	Inspect/replace
Chain	Every ride	Inspect tension, lubricate
Brake Pads	Inspect every 15 hours	Check wear, replace if necessary

## Engine Oil Change

1. Warm up the engine for a few minutes.
2. Place a drain pan beneath the engine.
3. Remove the oil drain bolt and allow oil to drain completely.
4. Replace the oil filter (if applicable).
5. Reinstall the drain bolt with a new washer and tighten to specified torque.
6. Fill with recommended engine oil to the proper level.
7. Start engine, check for leaks, and recheck oil level.

## TROUBLESHOOTING GUIDE

This section provides solutions to common issues you might encounter with your CRF250F.

Problem	Possible Cause	Solution
Engine won't start	Dead battery, no fuel, fouled spark plug, kill switch engaged	Check battery charge, fuel level, spark plug condition, kill switch position
Poor engine performance	Dirty air filter, incorrect fuel, carburetor issues, valve clearance	Clean/replace air filter, use fresh fuel, inspect carburetor, check valve clearance
Brakes feel spongy	Air in brake lines, low fluid, worn pads	Bleed brake system, top up fluid, replace pads

If you cannot resolve an issue using this guide, contact an authorized Honda service center.

## TECHNICAL SPECIFICATIONS

Key technical specifications for the Honda CRF250F.

Category	Specification
Engine Type	249cc air-cooled single-cylinder four-stroke
Bore x Stroke	76.0mm x 55.0mm
Compression Ratio	9.6:1
Fuel System	PGM-FI electronic fuel injection
Transmission	5-speed manual
Front Suspension	41mm telescopic fork; 8.5 inches travel
Rear Suspension	Pro-Link® single shock; 9.1 inches travel
Front Brake	Hydraulic disc
Rear Brake	Hydraulic disc
Fuel Capacity	1.6 gallons (including 0.4-gallon reserve)
Curb Weight	265 pounds (approx.)

*Note: Specifications are subject to change without notice. Always refer to the official Honda documentation for the most accurate and up-to-date information for your specific model year.*

## WARRANTY INFORMATION

---

Honda motorcycles typically come with a limited warranty covering defects in materials and workmanship. The exact terms and duration of the warranty may vary by region and model year. Please refer to the separate warranty statement provided with your motorcycle at the time of purchase for complete details.

**To maintain warranty validity:**

- Perform all scheduled maintenance as outlined in this manual and the owner's manual.
- Use genuine Honda parts or approved equivalents.
- Avoid unauthorized modifications or alterations.

Warranty claims must be processed through an authorized Honda dealer.

## CUSTOMER SUPPORT

---

For further assistance, technical support, or to locate an authorized service center, please contact Honda Customer Service or visit the official Honda Powersports website.

**Honda Powersports Official Website:** [powersports.honda.com](https://powersports.honda.com)

**Authorized Dealer Locator:** Use the dealer locator tool on the official website to find a service center near you.

When contacting support, please have your motorcycle's Vehicle Identification Number (VIN) and model year readily available.

