

## Trailmaster MX250

# Trailmaster JHL Pro Series TM MX250 Dirt Bike Instruction Manual

Model: MX250 | Brand: Trailmaster

## 1. INTRODUCTION

Welcome to the Trailmaster JHL Pro Series TM MX250 Dirt Bike. This manual provides comprehensive instructions for the safe and efficient assembly, operation, and maintenance of your new dirt bike. Please read this manual thoroughly before operating the vehicle to ensure your safety and the longevity of the product.

## 2. SAFETY INFORMATION

**WARNING: Operating this vehicle can be dangerous. Always wear appropriate safety gear, including a helmet, eye protection, gloves, and protective clothing. This vehicle is intended for off-road use only.**

- Always perform a pre-ride inspection before each use.
- Ensure all bolts and fasteners are securely tightened.
- Never operate the dirt bike under the influence of alcohol or drugs.
- Maintain a safe distance from other riders and obstacles.
- Familiarize yourself with all controls before riding.
- This vehicle is not recommended for riders under 16 years of age.

## 3. PRODUCT OVERVIEW

The Trailmaster JHL Pro Series TM MX250 is a premium mid-size dirt bike designed for off-road enthusiasts. It features a powerful 223cc 4-stroke 16hp engine with both electric and kick start options. The bike is equipped with a 5-speed manual transmission, front and rear disc brakes, and an advanced suspension system for superior handling on various terrains.

### Key Features:

- High-performance Zhongshen 223cc 4-stroke 16hp engine

- Electric and kick start for versatile ignition
- Electronic CDI ignition for smooth running and consistent power
- 5-speed manual transmission
- 55-inch wheelbase and 35.4-inch seat height
- Front tire: 21 inches, Rear tire: 18 inches
- Inverted front shock absorber and Nitrogen air gas rear shock absorber
- Performance stainless steel muffler
- Alloy foldable handle levers, alloy rims, and hubs
- Quality front and rear disc brakes



Figure 3.1: The Trailmaster JHL Pro Series TM MX250 Dirt Bike in Blue.





Figure 3.2: Front view of the Trailmaster MX250, highlighting the headlight and front suspension.



Figure 3.3: Detail of the rear suspension and chain drive system.

## 4. SETUP AND ASSEMBLY

Your Trailmaster MX250 dirt bike requires some assembly. Please follow these steps carefully. It is recommended to have a second person assist with certain steps.

### 4.1 Unboxing and Frame Removal

1. Carefully cut the straps securing the cardboard box.
2. Lift the cardboard box off the metal frame to reveal the bike.
3. Cut the zip ties securing the front wheel and remove it from the frame.
4. Cut the remaining zip ties and remove the motorcycle from the metal frame.

### 4.2 Front Wheel and Fender Installation

5. Insert the front axle through the fork and wheel hub, ensuring the spacers are correctly positioned.
6. Secure the axle with the provided nuts and tighten them.
7. Attach the front brake caliper to the fork using the designated bolts.
8. Mount the front fender to the lower triple clamp using the provided screws and washers.

### 4.3 Handlebar and Controls Installation

9. Install the handlebar risers onto the top triple clamp and secure them with bolts.
10. Position the handlebars in the risers and tighten the clamps.
11. Connect the electrical wiring for the headlight and turn signals. Ensure all connections are secure and properly insulated.
12. Install the mirrors into their designated mounts on the handlebars.

### 4.4 Body Panels and Battery Connection

13. Attach the side body panels to the frame using the provided screws.
14. Connect the battery terminals, ensuring the positive (+) terminal (red cable) is connected first, followed by the negative (-) terminal (green/black cable).
15. Secure the battery in its compartment.
16. Install the seat onto the frame, aligning it with the mounting points.
17. Attach the rear rack (if included) to the designated mounting points on the rear fender.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Starting the Engine

- Ensure the fuel tank is filled with the appropriate fuel type (refer to specifications).
- Turn the ignition key to the "ON" position.
- For electric start: Press the electric start button.
- For kick start: Use the kick starter with a firm, downward motion.
- Allow the engine to warm up for a few minutes before riding.

### 5.2 Shifting Gears

The MX250 features a 5-speed manual transmission.

- To shift up, pull the clutch lever, lift the shift lever with your foot, and release the clutch.
- To shift down, pull the clutch lever, press the shift lever down with your foot, and release the clutch.
- Always ensure smooth transitions between gears to prevent damage to the transmission.

### 5.3 Braking

The bike is equipped with front and rear disc brakes.

- Apply both front and rear brakes smoothly and evenly for optimal stopping power.
- Avoid sudden or harsh braking, especially on loose or slippery surfaces.

## 6. MAINTENANCE

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Regular maintenance is crucial for the performance and longevity of your Trailmaster MX250. A basic tool kit is included with your purchase.

### 6.1 Pre-Ride Checks:

- **Tires:** Check tire pressure and condition.
- **Brakes:** Ensure front and rear brakes are functioning correctly and have adequate fluid levels.
- **Chain:** Inspect chain tension and lubrication. Adjust as necessary.
- **Fluids:** Check engine oil and coolant levels.
- **Controls:** Verify throttle, clutch, and brake levers operate smoothly.

### 6.2 Regular Maintenance:

- Change engine oil and oil filter at recommended intervals.
- Clean or replace the air filter regularly, especially after riding in dusty conditions.
- Inspect and adjust valve clearances periodically.
- Check and tighten all fasteners and bolts.

- Lubricate all pivot points and cables.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine won't start	No fuel, weak battery, spark plug issue, kill switch engaged.	Check fuel level, charge/replace battery, inspect spark plug, disengage kill switch.
Poor engine performance	Dirty air filter, old fuel, carburetor issues.	Clean/replace air filter, use fresh fuel, clean carburetor.
Brakes feel spongy	Air in brake lines, low brake fluid.	Bleed brake lines, top up brake fluid.
Excessive chain slack	Chain needs adjustment.	Adjust chain tension according to manufacturer guidelines.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact customer support.

## 8. SPECIFICATIONS

Feature	Detail
Bike Type	Powersports Dirt Bike
Age Range (Description)	Adult
Brand	Trailmaster
Number of Speeds	5
Color	Blue
Wheel Size	Front 21 Inches / Rear 18 Inches
Frame Material	Carbon Steel
Suspension Type	Dual (Inverted front shock, Nitrogen air gas rear shock)
Special Feature	Dual Suspension
Included Components	Tool Kit
Brake Style	Disc
Power Source	Electric Motor and Gasoline Engine
Bicycle Drivetrain Type	Manual
Model Number	MX250
Model Name	TM-MX250
Manufacturer	Trailmaster
Minimum User Height	38 Inches

## 9. WARRANTY AND SUPPORT

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### 9.1 Warranty Information:

The Trailmaster JHL Pro Series TM MX250 Dirt Bike comes with a **90-day manufacturer's limited warranty**. Please retain your proof of purchase for any warranty claims.

### 9.2 Customer Support:

For any questions, technical assistance, or warranty service, please contact TrailMaster Powersports customer support. Information regarding 30-day easy returns is also available through your retailer.