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X-PRO PILOT150

X-PRO 150cc Moped Motorcycle S150 Adult Gas Moped User Manual

Brand: X-PRO | **Model:** PILOT150

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your X-PRO 150cc Moped Motorcycle S150.

1. INTRODUCTION

Thank you for choosing the X-PRO 150cc Moped Motorcycle S150. This vehicle is designed for adult use and offers reliable transportation with its 150cc 4-stroke engine and automatic transmission. Please read this manual thoroughly before operating the moped to ensure your safety and the longevity of the vehicle.

Important Note: This 150cc scooter cannot be shipped to Pennsylvania or New York. Additionally, the Manufacturer Statement of Origin (MSO) and Bill of Sale paperwork will be sent to you by separate mail.



Figure 1.1: The X-PRO 150cc Moped Motorcycle S150 in Red. This image shows the overall design of the moped, highlighting its red and silver body, black seat, and storage box at the rear.

2. SETUP AND ASSEMBLY

Your X-PRO 150cc Moped Motorcycle S150 requires some assembly upon arrival. Please ensure you have all necessary tools and a clear, safe workspace before beginning. It is recommended to have assistance for certain steps.

2.1. Unpacking and Inspection

Carefully remove the moped from its packaging. Inspect all components for any signs of shipping damage. Report any damage to the seller immediately.

2.2. Assembly Steps

Assembly typically includes the following components. Specific instructions and torque specifications will be provided in the detailed assembly guide included with your moped.

- **Handlebar:** Securely attach and align the handlebar.

- **Wheels:** Install the front wheel and ensure proper alignment and brake function.
- **Brakes:** Connect and adjust the brake system for both front and rear wheels.
- **Hub Odometer Counter:** Connect the odometer cable to ensure accurate mileage tracking.
- **Trunk (if included):** Attach the rear storage trunk.
- **Battery:** Install and connect the free-maintenance battery. Ensure proper polarity.

Note: Assembly requirements may differ slightly per model. Refer to the specific assembly instructions provided with your product for detailed steps.



Figure 2.1: Side view of the moped, illustrating the overall structure and components that may require assembly.

3. OPERATING INSTRUCTIONS

The X-PRO 150cc Moped Motorcycle S150 features a fully automatic transmission, making operation straightforward. Always wear appropriate safety gear, including a helmet, and adhere to all local traffic laws.

3.1. Pre-Ride Checks

- **Fuel Level:** Ensure sufficient fuel for your ride.
- **Tires:** Check tire pressure and condition. The 12-inch DOT approved tires offer great traction.
- **Brakes:** Test front and rear brakes for proper function.
- **Lights:** Verify headlights, tail lights, and turn signals are working.
- **Horn:** Test the horn.

3.2. Starting the Engine

1. Insert the key into the ignition and turn it to the "ON" position.
2. Ensure the kickstand is up.
3. Apply the brake lever (either front or rear).
4. Press the electric starter button. If the electric starter does not work, use the kick starter.
5. Allow the engine to warm up for a short period, especially in colder weather.

3.3. Riding the Moped

With the automatic transmission, simply twist the throttle to accelerate. To slow down, release the throttle and apply the brakes smoothly. The moped has a top speed of 55+ Mph.



Figure 3.1: Front view of the moped, showing the headlight and front wheel, crucial for safe operation.

4. MAINTENANCE

Regular maintenance is crucial for the performance, safety, and longevity of your X-PRO 150cc Moped. Follow the recommended service schedule in your detailed owner's manual.

4.1. Engine Oil Change

It is highly recommended to change the engine oil as specified in your owner's manual, especially after the initial break-in period. This is a critical step to prevent damage to the 150cc 4-stroke engine.

4.2. Tire Care

Regularly check the pressure of both front and rear 120/70-12 tires. Maintain proper inflation as specified to ensure optimal handling and tire life. Inspect tires for wear and damage.

4.3. Brake System

Periodically inspect the hydraulic ABS disc brake (front) and mechanical drum brake (rear) for wear on pads/shoes and proper fluid levels (for disc brake). Ensure brake levers operate smoothly.

4.4. Battery Maintenance

The moped is equipped with a free-maintenance battery. While it requires less upkeep, ensure terminals are clean and connections are secure. If the moped is stored for extended periods, consider using a trickle charger.

4.5. General Checks

- Inspect all lights (headlights, tail lights, turn signals) for proper function.
- Check the horn.
- Ensure all fasteners are tight and secure.
- Clean the moped regularly to prevent corrosion and maintain appearance.



Figure 4.1: Rear view of the moped, showing the tail lights, turn signals, and exhaust system, all critical for safety and performance.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your X-PRO 150cc Moped. For more complex problems, consult a qualified technician or contact customer support.

5.1. Moped Does Not Start

- **Battery:** Check if the battery is charged and properly connected. A dead or weak battery is a common cause.
- **Fuel:** Ensure there is enough fuel in the tank.
- **Kill Switch:** Verify the engine kill switch is in the "RUN" position.
- **Kickstand:** Ensure the kickstand is fully retracted.
- **Spark Plug:** Inspect the spark plug for fouling or damage.

5.2. Lights Not Functioning

- **Bulb:** Check if the bulb is burnt out and needs replacement.

- **Wiring:** Inspect wiring connections for looseness or corrosion.
- **Fuse:** Check the fuse box for any blown fuses.

5.3. Inaccurate Mileage Counter

- **Cable Connection:** Ensure the odometer cable is securely connected at both the wheel and the instrument cluster.
- **Cable Damage:** Check the cable for any kinks or damage that might impede its function.



Figure 5.1: A detailed view of the moped's engine area, which is relevant for troubleshooting starting issues and performing maintenance.

6. SPECIFICATIONS

Below are the detailed specifications for the X-PRO 150cc Moped Motorcycle S150.

Category	Specification
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Category	Specification
Engine	150cc, 4-Stroke, GY6 engine
Horsepower	10 hp
Cooling System	Forced Air Cooled
Transmission	Automatic (CVT)
Starter	Electric/Kick
Top Speed	55+ Mph
Ignition	CDI
Front Suspension	Twin Inverted Hydraulic Forks
Rear Suspension	Dual Rear Hydraulic Spring
Front Brake	Hydraulic ABS Disc Brake
Rear Brake	Mechanical Drum Brake
Front Tire	120/70-12
Rear Tire	120/70-12
Weight Capacity	350 lbs
Gross Weight	300 lbs
Overall Length	73 inches
Overall Width	26 inches
Overall Height	44 inches
Wheelbase	52.8 inches
Horn	Yes
Headlights	Yes
Tail Lights	Yes
Turn Signal Indicators	Yes
EPA Approved	Yes
D.O.T Approved	Yes
Tool Kit	Yes
Color	Red
Age Range	Adult
Special Feature	Seat, Lights, Upgraded GY6 engine and CVT transmission

Category	Specification
Number of Wheels	2
Wheel Material	Metal
Frame Material	Metal
Item Weight	350 Pounds
Handlebar Type	Adjustable
Wheel Size	12 Inches
Wheel Type	Solid
Warranty Type	Limited
Recommended Uses	Commuting
Manufacturer	X-Pro
UPC	731628684722
Product Dimensions	73 x 26 x 44 inches
Item Model Number	PILOT150
Manufacturer Part Number	MC-T33

7. WARRANTY AND SUPPORT

X-PRO is committed to providing quality products and support. Your moped comes with a limited warranty. Please refer to the warranty documentation included with your purchase for full details.

7.1. Protection Plans

Consider enhancing your coverage with available protection plans:

- 2-Year Protection Plan:** Offers extended coverage for your product.
- Complete Protect:** A comprehensive plan that can cover eligible past and future purchases.

7.2. Customer Support

As a product from a small business brand, X-PRO values direct customer engagement. For any inquiries, technical assistance, or to purchase parts, please visit the official X-PRO Store or contact their customer support directly.

[Visit the X-PRO Store](#)

This manual is for informational purposes only. Specifications are subject to change without notice.