

## X-PRO MC-L001-Assembled

# X-PRO Orion 200 Gas Moped User Manual

Model: MC-L001-Assembled | Brand: X-PRO

## 1. INTRODUCTION

---

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your X-PRO Orion 200 Gas Moped. Please read this manual thoroughly before operating the moped to ensure proper use and to prevent injury or damage.

The X-PRO Orion 200 is an adult gas street moped featuring a 168.9cc 4-stroke engine, 14-inch wheels, and LED headlights, designed for reliable urban and street commuting.

## 2. SAFETY INFORMATION

---

Your safety and the safety of others are very important. Operating this moped requires careful attention to safety procedures. Always wear a helmet and appropriate protective gear. Observe all local traffic laws and regulations.

- Always wear a DOT-approved helmet and other protective gear (gloves, eye protection, sturdy footwear).
- Never operate the moped under the influence of alcohol or drugs.
- Perform pre-ride inspections before each use.
- Be aware of your surroundings and other vehicles.
- Do not exceed the maximum weight capacity of 265 lbs.
- Ensure the Manufacturer Statement of Origin (MSO) and Bill of Sale paperwork are received and processed for registration.

## 3. COMPONENTS OVERVIEW

---

Familiarize yourself with the main components of your X-PRO Orion 200 Gas Moped.



**Figure 3.1: Front Three-Quarter View.** This image displays the overall design of the X-PRO Orion 200 Gas Moped from the front-right side, highlighting its sleek black finish, prominent LED headlight, and the 14-inch front alloy wheel with disc brake.



**Figure 3.2: Side Profile.** A complete side view of the moped, illustrating its compact frame, the location of the 168.9cc engine, exhaust system, and the 14-inch alloy wheels. The seat and footrest area are also clearly visible.



**Figure 3.3: Frontal View.** This image provides a direct front view, emphasizing the distinctive LED headlight design, front fender, and the dual suspension system. The handlebars and mirrors are also visible from this angle.



**Figure 3.4: Rear Three-Quarter View.** A view from the rear-left side, showcasing the taillight, rear turn signal indicators, the rear 14-inch alloy wheel with drum brake, and the exhaust muffler.

## 4. SETUP AND INITIAL PREPARATION

---

Your X-PRO Orion 200 Gas Moped arrives 99% assembled. The following steps outline the final preparations before first use.



**Fully Assembled Version is packaged as shown.** All products are 100% brand new and unassembled in their original factory package. If you order fully assembled, your product is removed from its original packaging, assembled and tested. We then securely repackage to make suitable for transport as pictured above.

**Figure 4.1: Product Packaging for Fully Assembled Version.** This image shows how the fully assembled moped is securely wrapped in black material and placed on a pallet for transport, ensuring its protection during delivery.

#### 4.1 Unpacking and Inspection

1. Carefully remove all packaging materials.
2. Inspect the moped for any signs of shipping damage. Report any damage immediately to your dealer.
3. Ensure all components are present.

#### 4.2 Fluid Checks

- **Engine Oil:** Check the engine oil level using the dipstick. Add recommended oil if necessary.
- **Brake Fluid:** Verify brake fluid levels for both front (disc) and rear (drum) brakes.
- **Fuel:** Fill the 6.4L fuel tank with appropriate gasoline. Refer to local regulations for fuel type.

#### 4.3 Tire Pressure

Check and adjust tire pressure for both front (80/90-14) and rear (90/90-14) tires to the recommended PSI levels specified

on the tire sidewall or in the moped's quick reference guide.

## 4.4 Battery Connection

Ensure the 12V/7Ah battery is securely connected. If disconnected for shipping, connect the positive (+) and negative (-) terminals.

# 5. OPERATING INSTRUCTIONS

---

## 5.1 Starting the Engine

- **Electric Start:** Ensure the engine kill switch is in the "RUN" position. Insert the key and turn to "ON". Squeeze the brake lever (either front or rear) and press the electric start button.
- **Kick Start:** If the electric start fails or for cold starts, use the kick start lever located on the side of the engine.

## 5.2 Controls and Features

- **Throttle:** Located on the right handlebar. Gently twist to accelerate.
- **Brakes:** Front brake (disc) on the right handlebar, rear brake (drum) on the left handlebar. Apply smoothly and evenly.
- **Headlight:** LED headlight for improved visibility. Use the switch on the handlebar to turn on/off.
- **Turn Signals:** LED turn signal indicators. Use the switch to signal turns.
- **Horn:** Button located on the handlebar.
- **USB Charger:** Located conveniently for charging mobile devices.

## 5.3 Riding the Moped

Start slowly and practice in a safe, open area. Maintain a safe distance from other vehicles. The moped has an automatic transmission, simplifying operation. Top speed is 55+ Mph, depending on rider weight and road conditions.

# 6. MAINTENANCE

---

Regular maintenance is crucial for the longevity and safe operation of your moped.

## 6.1 Routine Checks

- **Tires:** Check pressure and tread wear weekly.
- **Brakes:** Inspect brake levers for proper feel and brake pads/shoes for wear.
- **Lights and Horn:** Verify all lights (headlight, taillight, turn signals) and the horn are functional.
- **Fluid Levels:** Regularly check engine oil and brake fluid.
- **Chain:** Inspect the final drive chain for proper tension and lubrication.

## 6.2 Scheduled Maintenance

Refer to a more detailed service manual (if available) for specific service intervals for oil changes, spark plug replacement, air filter cleaning, and valve adjustments.

# 7. TROUBLESHOOTING

---

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Engine won't start	No fuel; Engine kill switch off; Weak battery; Spark plug issue	Check fuel level; Ensure kill switch is ON; Charge/replace battery; Inspect/replace spark plug
Poor acceleration	Low tire pressure; Clogged air filter; Fuel quality	Check tire pressure; Clean/replace air filter; Use fresh, recommended fuel
Brakes feel spongy	Low brake fluid; Air in brake lines; Worn brake pads	Check fluid level and add; Bleed brake lines; Replace brake pads/shoes
Lights not working	Blown fuse; Faulty bulb/LED; Wiring issue	Check fuses; Replace bulb/LED; Inspect wiring connections

For issues not listed or if solutions do not resolve the problem, contact qualified service personnel or your dealer.

## 8. SPECIFICATIONS

Detailed technical specifications for the X-PRO Orion 200 Gas Moped.

<b>Engine Type</b>	168.9cc, 4-stroke, Air cooled
<b>Cylinder Arrangement</b>	Single
<b>Transmission</b>	Automatic
<b>Compression Ratio</b>	9.2:1
<b>Max Power</b>	8.3KW/8000 r/min
<b>Max Torque</b>	11.0 N·m/6000 r/min
<b>Start System</b>	Electric/Kick
<b>Final Drive</b>	Chain
<b>Ignition</b>	CDI
<b>Top Speed</b>	55+ Mph (Depending on Riders Weight and Road Conditions)
<b>Battery</b>	12V/7Ah
<b>Front Brake</b>	Disc
<b>Rear Brake</b>	Drum
<b>Front Tire</b>	80/90-14 Alloy
<b>Rear Tire</b>	90/90-14 Alloy
<b>Weight Capacity</b>	265 lbs
<b>Net Weight</b>	238 lbs
<b>Overall Length</b>	74.8"
<b>Overall Width</b>	28.7"

<b>Overall Height</b>	44"
<b>Wheelbase</b>	50.8"
<b>Seat Height</b>	30.3"
<b>Min Ground Clearance</b>	5.5"
<b>Fuel Capacity</b>	6.4L
<b>Headlight</b>	Yes, LED
<b>Tail Light</b>	Yes
<b>Turn Signal Indicators</b>	Yes, LED
<b>Horn</b>	Yes
<b>USB Charger</b>	Yes

## 9. WARRANTY AND SUPPORT

---

The X-PRO Orion 200 Gas Moped comes with a **1-month warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

For technical support, parts, or warranty inquiries, please contact your authorized X-PRO dealer or visit the official X-PRO website for contact information.

*Note: The Manufacturer Statement of Origin (MSO) and Bill of Sale paperwork will be sent to you by separate mail and are essential for vehicle registration.*