

Cyclone 125CC

Matrix Cyclone 125CC ATV User Manual

Model: Cyclone 125CC

INTRODUCTION

This manual provides essential information for the safe and proper operation, assembly, and maintenance of your Matrix Cyclone 125CC ATV. Please read this manual thoroughly before operating the ATV to ensure a safe and enjoyable experience. This ATV is designed for young riders aged 8 and up, offering a balance of power and control for outdoor adventures.



Figure 1: Matrix Cyclone 125CC ATV. This image shows the overall design of the ATV, highlighting its black and orange color scheme and rugged tires.

SAFETY INFORMATION

Operating an ATV requires caution and adherence to safety guidelines. This ATV is intended for use by children aged 8 years and up. Adult supervision is required at all times. Always wear appropriate safety gear, including a helmet, eye protection, gloves, and sturdy footwear.

- **Age Recommendation:** Suitable for riders 8 years and older.

- **Supervision:** Always operate under direct adult supervision.
- **Protective Gear:** Always wear a helmet, eye protection, and appropriate riding attire.
- **Terrain:** Use only on designated off-road trails and suitable terrain. Avoid public roads.
- **Speed Control:** Utilize the built-in speed governor to match the rider's skill level.
- **Pre-Ride Check:** Before each ride, inspect tires, brakes, and controls for proper function.

SETUP AND ASSEMBLY

The Matrix Cyclone 125CC ATV arrives approximately 90% pre-assembled. Final assembly involves attaching a few key components to prepare the ATV for use. Follow these steps carefully:

1. **Unpacking:** Carefully remove all components from the packaging. Ensure all parts listed in the packing list are present.
2. **Handlebar Installation:** Attach the handlebar to the steering column. Secure it firmly using the provided bolts and tools. Ensure the controls (throttle, brakes) are correctly positioned and functional.
3. **Front Tire Installation:** Mount the front tires onto the front axles. Secure them with the appropriate nuts and cotter pins. Ensure tires are inflated to the recommended pressure.
4. **Rear Tire Installation:** Mount the rear tires onto the rear axles. Secure them with the appropriate nuts and cotter pins. Ensure tires are inflated to the recommended pressure.
5. **Battery Connection:** Connect the 12V, 5Ah battery. Ensure positive (+) and negative (-) terminals are connected correctly.
6. **Fluid Checks:** Verify engine oil level (0.9L capacity) and fuel level (2.2L capacity).



Figure 2: Side view of the ATV. This image illustrates the engine placement, suspension system, and tire assembly points, which are crucial during setup.

OPERATING INSTRUCTIONS

Familiarize yourself with the controls and features before starting the ATV.

Starting the ATV

1. Ensure the ATV is on a level surface and the parking brake is engaged.
2. Turn the ignition key to the "ON" position.
3. Press the electric start button.
4. Allow the engine to warm up for a short period before riding.

Riding the ATV

- **Transmission:** The ATV features an automatic transmission with reverse. Use the gear selector to choose between Forward, Neutral, and Reverse.
- **Throttle Control:** Gently apply the thumb throttle to accelerate. Avoid sudden acceleration.
- **Braking:** The ATV is equipped with a front drum brake (hand-operated) and a rear hydraulic disc brake (foot-operated). Apply both brakes smoothly and evenly for effective stopping.
- **Speed Governor:** The speed governor allows parents to adjust the maximum speed (30-40 MPH) to suit the rider's experience level. Adjust this setting before riding.
- **Suspension:** The double A-arm front suspension and single swing-arm rear suspension provide a comfortable ride over varied terrain.

Stopping the ATV

1. Release the throttle completely.
2. Apply both front and rear brakes gradually until the ATV comes to a complete stop.
3. Engage the parking brake.
4. Turn the ignition key to the "OFF" position and remove the key.



Figure 3: Front view of the ATV. This image highlights the front braking system and the robust bumper, important for safe operation.

MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your Matrix Cyclone 125CC ATV.

- **Pre-Ride Inspection:** Before each ride, check tire pressure, brake function, chain tension, and fluid levels.
- **Engine Oil:** Check engine oil regularly and change according to the manufacturer's recommendations (typically every 10-20 hours of operation or annually). Use recommended oil type.
- **Chain Maintenance:** Keep the drive chain clean, lubricated, and properly tensioned. Adjust as needed to prevent excessive slack.
- **Brakes:** Inspect brake pads for wear and ensure brake fluid levels (for hydraulic disc brake) are adequate. Adjust drum brakes as necessary.
- **Tires:** Maintain correct tire pressure. Inspect tires for wear, cuts, or punctures.
- **Air Filter:** Clean or replace the air filter regularly, especially when riding in dusty conditions.
- **General Cleaning:** Keep the ATV clean to prevent dirt and debris buildup, which can affect performance and component life.



Figure 4: Rear view of the ATV. This image shows the chain drive and rear hydraulic disc brake, key components for maintenance checks.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Matrix Cyclone 125CC ATV.

- **Engine Does Not Start:**

- Check if the ignition key is in the "ON" position.
- Ensure there is sufficient fuel in the tank.
- Verify battery connections are secure and the battery is charged.
- Check the spark plug for fouling or damage.

- **Loss of Power:**

- Check fuel level and quality.
- Inspect the air filter for clogging.
- Ensure the spark plug is clean and properly gapped.

- **Brakes Not Effective:**

- Inspect brake pads for wear.
- Check brake fluid level for hydraulic disc brake.
- Adjust brake cables for drum brake if too much slack.

- **Unusual Noises:**

- Investigate the source of the noise. Could be loose components, chain issues, or engine problems.
- If the noise persists or is severe, discontinue use and consult a qualified technician.

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

SPECIFICATIONS

Feature	Detail
Engine Type	125CC, 4 Stroke, Single Cylinder
Transmission	Automatic With Reverse
Cooling System	Air-cooled
Ignition	CDI
Starting System	Electric Start
Battery	12V, 5Ah
Final Drive	Chain Drive
Front Brakes	Drum Brake (Hand)
Rear Brake	Hydraulic Disc (Foot)
Max Speed	30-40 MPH (Adjustable via governor)
Fuel Capacity	2.2L
Front Tire	19x7.0-8
Rear Tire	18x9.5-8
Engine Oil Capacity	0.9L
Seat Height	700mm
Ground Clearance	90mm
Front Suspension	Double A-Arm
Rear Suspension	Single Swing Arm
Max Horsepower	6.1KW/7000R/Min
Max Torque	8.6N.M/5000R/Min
Bore Stroke	52.4/49.5MM
Max Load	175 LBS
Net Weight	232 LBS (105 kg)

Feature	Detail
Gross Weight	265 LBS (120 kg)
Product Dimensions (LWH)	153 x 94 x 94 cm
Recommended Age	8 years and up
Material	Metal
Manufacturer Reference	CYLN125BKORG
UPC	628774103040

WARRANTY INFORMATION

This Matrix Cyclone 125CC ATV is covered by a limited warranty against manufacturing defects. The specific terms and duration of the warranty may vary. Please retain your proof of purchase for warranty claims.

For detailed warranty information, including coverage specifics and how to make a claim, please refer to the warranty card included with your product or contact customer support.

- **Coverage:** Typically covers defects in materials and workmanship.
- **Exclusions:** Does not cover normal wear and tear, misuse, accidental damage, or unauthorized modifications.
- **Claim Process:** Contact customer support with your proof of purchase and product details.

CUSTOMER SUPPORT

If you have any questions, require assistance with assembly, operation, maintenance, or need to make a warranty claim, please contact our customer support team.

- **Manufacturer:** Matrix Motor Distribution Ltd
- **Phone:** 844-205-8008
- **Address:** 282 King Street, Unit 1, Barrie, Ontario L4N 6L2
- **Online Support:** Visit the official Matrix Motor Distribution Ltd website for FAQs and further assistance.

When contacting support, please have your product model (Cyclone 125CC) and proof of purchase readily available.