

## MotoTec MT-Phantom-49cc\_Black

# MotoTec Phantom Gas Pocket Bike

## 49CC 2-STROKE BLACK USER MANUAL

### 1. SAFETY INFORMATION

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Please read and understand all safety warnings and instructions before operating the MotoTec Phantom Gas Pocket Bike. Failure to follow these instructions may result in serious injury or death.

#### 1.1 General Safety Guidelines

- **Recommended Age:** This pocket bike is recommended for riders **13 years and older**.
- **Maximum Rider Weight:** Do not exceed the maximum rider weight of **170 lbs (77 kg)**.
- **Protective Gear:** Always wear appropriate safety gear, including a helmet, eye protection, gloves, and sturdy footwear.
- **Supervision:** Young riders should always be supervised by an adult.
- **Operating Environment:** Operate the pocket bike only in safe, open areas away from traffic, pedestrians, and obstacles. Do not operate on public roads.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

#### 1.2 Fuel Handling Safety

- **Flammable Fuel:** Gasoline is highly flammable. Handle with extreme care.
- **Ventilation:** Refuel in a well-ventilated area, away from open flames, sparks, or heat sources.
- **Engine Off:** Always turn off the engine and allow it to cool before refueling.
- **Spills:** Wipe up any spilled fuel immediately.

#### 1.3 Riding Safety

- **Pre-Ride Inspection:** Before each ride, check tires, brakes, throttle, and fuel level.
- **Control:** Maintain control of the pocket bike at all times. Avoid sudden turns or excessive speed.
- **Environmental Conditions:** Do not ride in wet conditions, on slippery surfaces, or in poor visibility.

### 2. PRODUCT OVERVIEW

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The MotoTec Phantom Gas Pocket Bike is a compact, gas-powered mini-motorcycle designed for recreational use. It features a powerful 49cc 2-stroke engine and a rigid steel frame.

## 2.1 Key Features

- Gas Powered 49cc 2-Stroke Engine
- Centrifugal Chain Drive Transmission
- Front & Rear Disk Brakes
- Variable Twist-Grip Throttle
- Padded Single Rider Seat
- Angle Adjustable Handlebars

## 2.2 Product Components



Front-left view of the MotoTec Phantom Gas Pocket Bike, showcasing its compact design and black and white color scheme.



Side view of the MotoTec Phantom Gas Pocket Bike, highlighting the exhaust and chain drive system.



Rear-left view of the MotoTec Phantom Gas Pocket Bike, showing the rear wheel and disc brake.

### 3. SETUP AND ASSEMBLY

The MotoTec Phantom Gas Pocket Bike requires some assembly before first use. Please follow these steps carefully.

### 3.1 Unpacking

- Carefully remove all components from the packaging.
- Inspect all parts for any damage during shipping. Contact customer support immediately if any damage is found.
- Ensure all listed components are present.

### 3.2 Assembly Instructions

While specific detailed instructions are not provided, general assembly typically involves:

- **Handlebar Installation:** Attach and secure the handlebars to the steering column. Ensure they are aligned and tightened properly.
- **Wheel Attachment:** If wheels are not pre-attached, secure them to the axles, ensuring all nuts and bolts are tightened.
- **Minor Component Attachment:** Install any remaining components such as fenders or footpegs as required.
- **Check All Fasteners:** Before operation, double-check that all nuts, bolts, and fasteners are securely tightened.

### 3.3 Initial Checks

- **Tire Pressure:** Ensure tires are inflated to the recommended pressure (refer to tire sidewall for details).
- **Brake Functionality:** Test both front and rear disc brakes to ensure they engage properly and stop the bike effectively.
- **Throttle Operation:** Verify that the variable twist-grip throttle operates smoothly and returns to the idle position when released.

## 4. OPERATION

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This section provides instructions on how to safely operate your MotoTec Phantom Gas Pocket Bike.

### 4.1 Fueling the Pocket Bike

- The gas tank capacity is **1.25 liters**.
- Use a mixture of **unleaded gasoline and 2-stroke oil at a 32:1 ratio**
- Carefully pour the pre-mixed fuel into the gas tank, avoiding spills. Securely close the fuel cap.

### 4.2 Starting the Engine

- Ensure the fuel valve (if present) is in the 'ON' position.
- Set the choke (if present) to the 'START' or 'CLOSED' position for a cold engine.
- Engage the **pull start** mechanism firmly and smoothly until the engine starts. Do not pull the cord to its full extension or let it snap back.
- Once the engine starts, gradually move the choke to the 'RUN' or 'OPEN' position as the engine warms up.

### 4.3 Riding Instructions

- Mount the bike and place your feet on the footpegs.
- Slowly and smoothly twist the **variable twist-grip throttle** to accelerate.
- To slow down or stop, release the throttle and apply the **front and rear disc brakes** evenly.
- Practice riding in a safe, open area to become familiar with the controls before attempting higher speeds or more complex maneuvers.

#### 4.4 Stopping the Engine

- Release the throttle completely.
- Locate and press the engine kill switch (if equipped) or turn the ignition key to the 'OFF' position.

## 5. MAINTENANCE

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

### 5.1 Regular Checks

- **Fasteners:** Periodically check all nuts, bolts, and screws for tightness. Tighten as necessary.
- **Tires:** Inspect tires for wear, damage, and proper inflation (Front: 90/65-6.5 Pneumatic (11 inch), Rear: 110/50-6.5 Pneumatic (11 inch)).
- **Brakes:** Ensure brake levers are firm and brakes engage effectively. Adjust or replace pads if worn.
- **Chain:** Keep the drive chain clean, lubricated, and properly tensioned.

### 5.2 Engine Maintenance

- **Air Filter:** Clean or replace the air filter regularly, especially if riding in dusty conditions.
- **Spark Plug:** Inspect and clean the spark plug periodically. Replace if worn or fouled.
- **Fuel System:** Keep the fuel tank and lines clean. Use fresh fuel mixture.

### 5.3 Cleaning and Storage

- Clean the bike after each use to remove dirt and debris.
- Store the pocket bike in a dry, secure location, away from direct sunlight and extreme temperatures.
- If storing for an extended period, drain the fuel tank and carburetor.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your MotoTec Phantom Gas Pocket Bike.

Problem	Possible Cause	Solution
Engine won't start	No fuel or incorrect fuel mixture Choke not set correctly Fouled spark plug Kill switch engaged	Check fuel level and mixture (32:1) Adjust choke position Clean or replace spark plug Ensure kill switch is off
Loss of power / Poor performance	Clogged air filter Improper fuel mixture Worn spark plug Carburetor issues	Clean or replace air filter Verify correct fuel/oil ratio Replace spark plug Consult a qualified technician
Brakes not effective	Worn brake pads Loose brake cable Contaminated brake discs	Inspect and replace brake pads Adjust brake cable tension Clean discs with brake cleaner
Excessive vibration or noise	Loose fasteners Damaged components Chain issues	Check and tighten all bolts and nuts Inspect for damaged parts Check chain tension and lubrication

## 7. TECHNICAL SPECIFICATIONS

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Feature	Specification
Model Number	MT-Phantom-49cc_Black
Motor	49cc 2-Stroke, Air Cooled, EPA Approved
Engine Start	Pull Start
Gas Tank Capacity	1.25 liters
Cruising Range	Approximately 20 miles per tank
Fuel/Oil Ratio	Unleaded Gasoline / 2-stroke Oil 32:1
Transmission	Centrifugal (chain drive)
Pocket Bike Dimensions (L x W x H)	40in x 21in x 23in
Seat Height	18.5in
Recommended Age	13+ years
Max Rider Weight	170 lbs
Frame Material	Rigid Steel
Front Tire	90/65-6.5 Pneumatic (11 inch)
Rear Tire	110/50-6.5 Pneumatic (11 inch)
Brakes	Front & Rear Disk Brakes
Throttle Type	Variable Twist-Grip
Seat Type	Padded (single rider)
Handlebars	Angle Adjustable, Not Height Adjustable
Assembly Required	Yes
Box Dimensions (L x W x H)	43in x 15in x 26in
Box Weight	56 lbs
Item Weight	43 pounds
Manufacturer	MotoTec

## 8. WARRANTY INFORMATION

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The MotoTec Phantom Gas Pocket Bike comes with a limited warranty.

- **Warranty Period:** 30 Days Parts Replacement.
- This warranty covers manufacturing defects in materials and workmanship.
- It does not cover damage caused by misuse, neglect, accidents, unauthorized modifications, or normal wear and tear.
- Keep your proof of purchase for warranty claims.

## 9. CUSTOMER SUPPORT

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For technical assistance, parts replacement, or any questions regarding your MotoTec Phantom Gas Pocket Bike, please contact MotoTec customer support.

Refer to the original packaging or the MotoTec official website for the most current contact information.

When contacting support, please have your model number (MT-Phantom-49cc\_Black) and purchase details ready.