Ebikestar 72CC Gas Backpack Leaf Blower

Ebikestar 72CC 2-Stroke Gas Backpack Leaf Blower User Manual

Model: 72CC Gas Backpack Leaf Blower

1. Introduction

Thank you for choosing the Ebikestar 72CC 2-Stroke Gas Backpack Leaf Blower. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new equipment. Please read this manual thoroughly before operating the leaf blower and retain it for future reference.

2. Safety Information

Always prioritize safety when operating power equipment. Failure to follow these safety instructions may result in serious injury or property damage.

- **Read the Manual:** Understand all instructions and warnings before use.
- **Personal Protective Equipment (PPE):** Always wear eye protection (safety glasses or goggles), hearing protection, long pants, sturdy footwear, and gloves.
- **Fuel Handling:** Handle gasoline with extreme care. It is highly flammable. Store fuel in approved containers, away from ignition sources. Refuel outdoors in a well-ventilated area with the engine off and cool.
- **Ventilation:** Operate the blower in well-ventilated outdoor areas only. Exhaust fumes contain carbon monoxide, which is a colorless, odorless, and deadly gas.
- **Clear Work Area:** Keep children, bystanders, and pets at a safe distance (at least 50 feet/15 meters) from the operating area. Inspect the area for debris that could be thrown by the air stream.
- **Secure Grip:** Maintain a firm grip on the control handle during operation.
- **Avoid Loose Clothing:** Do not wear loose clothing, scarves, or jewelry that could get caught in moving parts.
- **Inspect Before Use:** Before each use, check for loose fasteners, damaged parts, or fuel leaks. Do not operate if damaged.
- **Emergency Stop:** Familiarize yourself with the location and operation of the engine stop switch.

3. Package Contents

Carefully unpack all items and ensure you have received the following components:



Image: The Ebikestar 72CC Gas Backpack Leaf Blower shown with its accessories, including a wrench, funnel, hose clamps, and a fuel mixing bottle.

- Main Blower Unit (Engine and Fan Housing)
- Blower Tube Sections
- Flexible Blower Hose
- Control Handle Assembly
- Fuel Mixing Bottle
- Funnel
- Assembly Tools (Wrench, Hex Key)
- User Manual (this document)

4. Product Overview and Components

Familiarize yourself with the various parts of your leaf blower for proper assembly and operation.

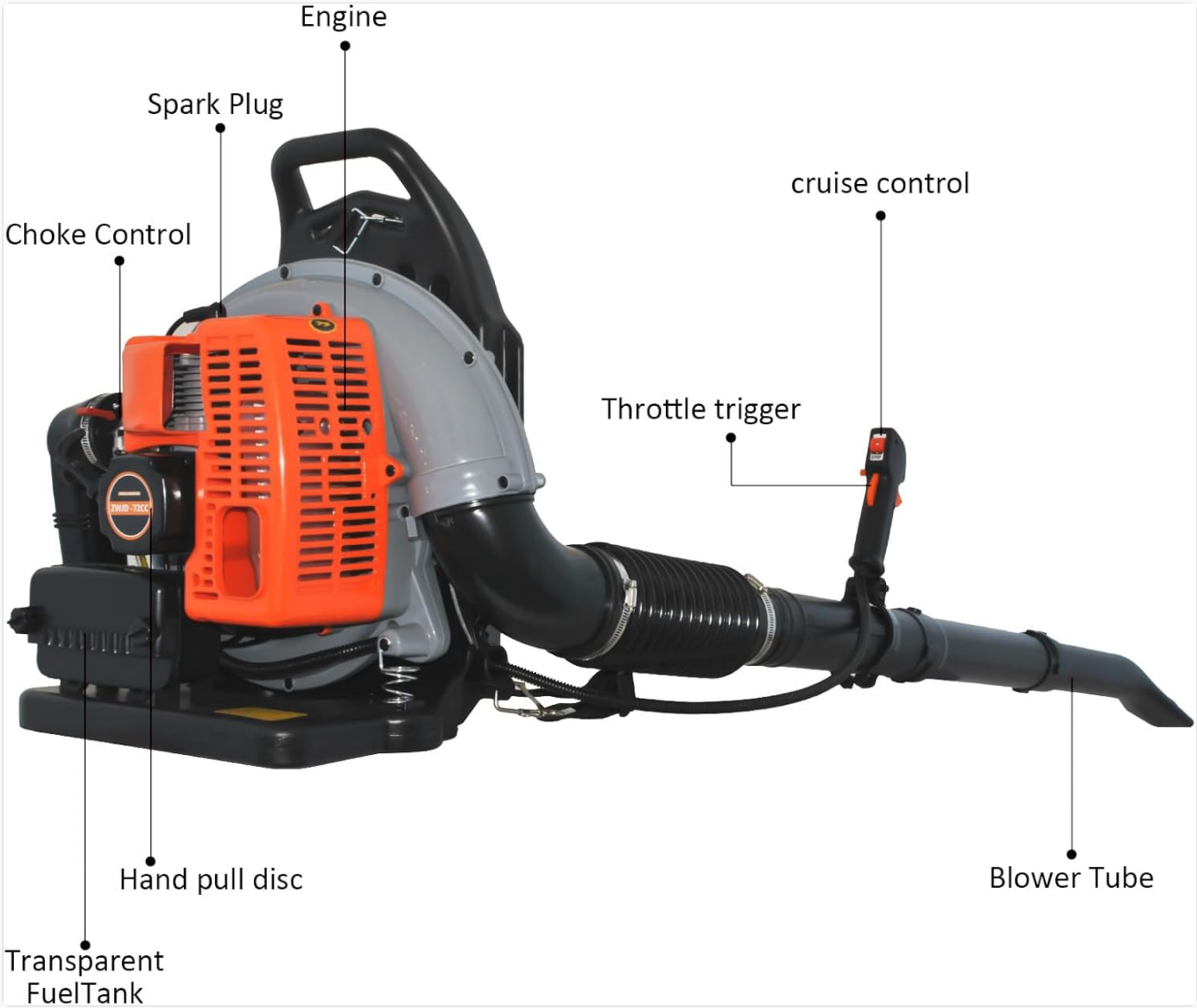


Image: A side view of the leaf blower with key components labeled, including Engine, Spark Plug, Choke Control, Hand Pull Disc, Transparent Fuel Tank, Cruise Control, Throttle Trigger, and Blower Tube.



POWER	AIR FLOW	SUTTLE	ROTATE SPEED	DISPLACEMENT
2.7KW	1440m³/s	24.3lbs	6800r/min	72CC

Image: An annotated diagram highlighting specific parts such as Spark Plug, Choke Control, Starter Knob, Muffler, Cruise Control, Throttle Trigger, and Blower Tube.

Key Components:

- **Engine:** The power source for the blower.
- **Spark Plug:** Ignites the fuel-air mixture.
- **Choke Control:** Used for starting a cold engine.
- **Hand Pull Disc (Recoil Starter):** Used to manually start the engine.
- **Transparent Fuel Tank:** Holds the fuel mixture.
- **Blower Tube:** Directs the airflow.
- **Throttle Trigger:** Controls engine speed and airflow.
- **Cruise Control:** Maintains a set engine speed without holding the throttle trigger.
- **Backpack Straps:** Adjustable straps for comfortable carrying.

5. Assembly

Follow these steps to assemble your leaf blower:

1. **Attach Flexible Hose:** Connect the flexible blower hose to the outlet on the main blower unit. Secure it with the provided hose clamp.
2. **Assemble Blower Tube:** Connect the various sections of the blower tube together. Ensure they are firmly seated.
3. **Attach Control Handle:** Slide the control handle assembly onto the blower tube and secure it at a comfortable operating position. Tighten any fasteners to prevent rotation.
4. **Connect Throttle Cable:** Connect the throttle cable from the control handle to the carburetor on the engine, ensuring smooth operation of the throttle trigger.

6. Fuel Mixture

This leaf blower uses a 2-stroke engine and requires a specific gasoline-to-oil mixture. **Do not use straight gasoline or automotive oil.**

- **Mixing Ratio:** The recommended fuel mixture ratio is **25:1 (Gasoline to 2-Stroke Engine Oil)**.
- **Fuel Type:** Use fresh, unleaded gasoline with an octane rating of 89 or higher.
- **Oil Type:** Use high-quality 2-stroke engine oil specifically designed for air-cooled engines.
- **Mixing Procedure:**
    a. Pour the correct amount of 2-stroke oil into the fuel mixing bottle.
    b. Add the corresponding amount of gasoline.
    c. Securely close the bottle and shake it vigorously to ensure thorough mixing.
    d. Always mix fuel in a well-ventilated area, away from sparks or open flames.
- **Filling the Tank:** With the engine off and cool, carefully pour the mixed fuel into the blower's fuel tank using the provided funnel. Do not overfill.

7. Starting Procedure

Follow these steps to start your Ebikestar 72CC Gas Backpack Leaf Blower:

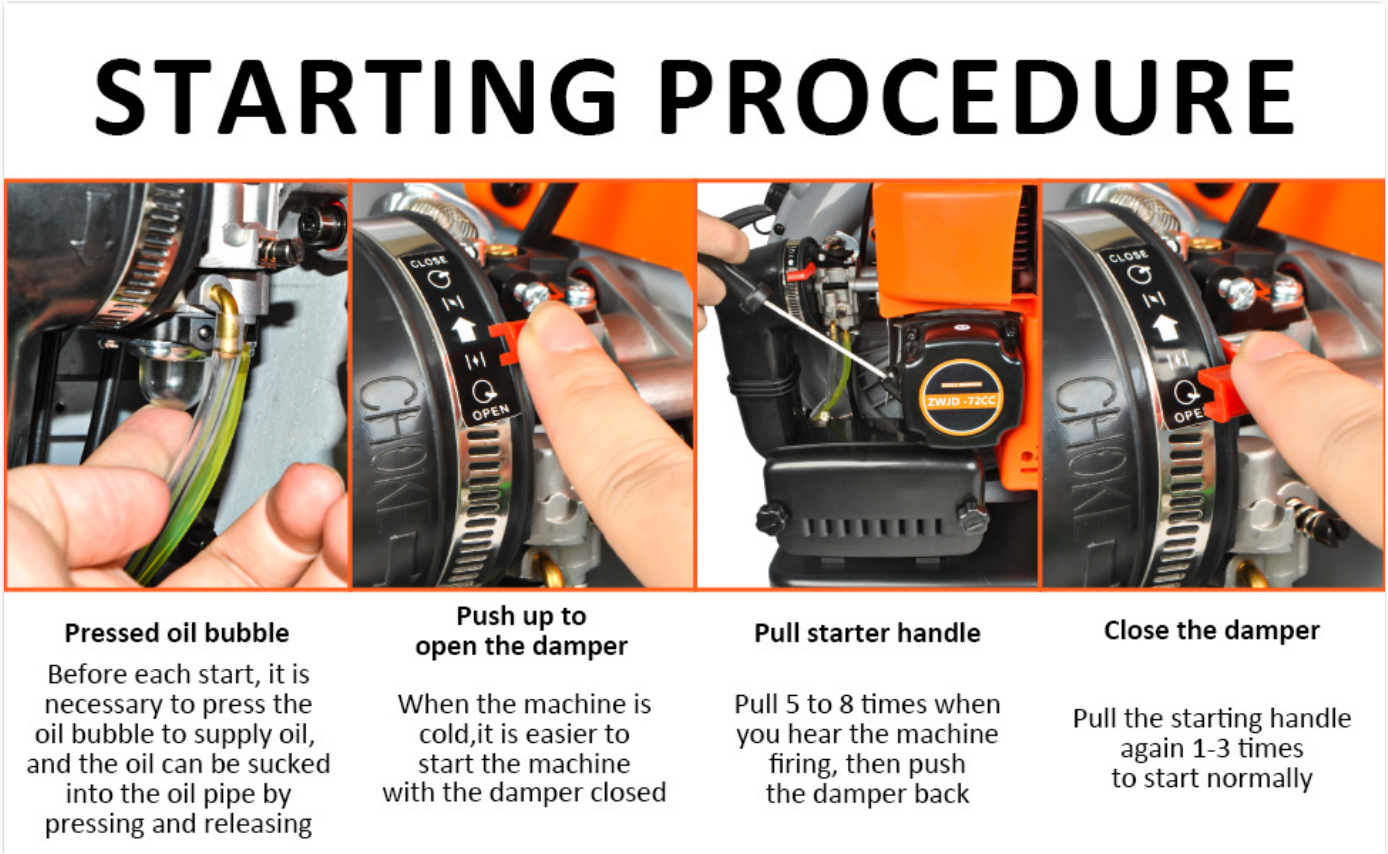


Image: A visual guide demonstrating the starting procedure, including pressing the oil bubble, opening the damper (choke), pulling the starter handle, and closing the damper.

1. **Fuel Primer Bulb:** Before each start, press the fuel primer bulb 6-7 times until fuel is visible in the bulb and lines. This supplies fuel to the carburetor.
2. **Choke Control:** For a cold engine, move the choke control lever to the 'CLOSED' (or 'START') position. For a warm engine, the choke may not be necessary or can be set to 'OPEN' (or 'RUN').

3. **Ignition Switch:** Ensure the ignition switch is in the 'ON' position.
4. **Starting Pull:** Place the blower on a flat, stable surface. Hold the unit firmly with one hand and pull the starter handle slowly until resistance is felt, then pull sharply 5-8 times. The engine should fire or attempt to start.
5. **Open Choke:** Once the engine fires or starts briefly, immediately move the choke control lever to the 'OPEN' (or 'RUN') position.
6. **Final Pulls:** Pull the starter handle again 1-3 times until the engine starts and runs smoothly.
7. **Warm-up:** Allow the engine to warm up for a few moments before applying full throttle.

Important Note: If the engine runs out of fuel during operation, it may be difficult to restart immediately after refueling. Allow the engine to cool down for a period before attempting to restart, and ensure the primer bulb is fully primed.

8. Operating Instructions

Once the engine is running, you can begin operation.



Image: A person wearing the backpack leaf blower, clearing leaves from a grassy area in a park.



Image: A rear view of a person operating the backpack leaf blower, showing the unit comfortably worn on the back while clearing leaves.

- **Wearing the Blower:** Adjust the backpack straps for a comfortable and secure fit. The weight should be evenly distributed across your shoulders and back to reduce fatigue.
- **Throttle Control:** Use the throttle trigger on the control handle to increase or decrease engine speed and airflow.
- **Cruise Control:** For extended periods of blowing at a consistent speed, engage the cruise control feature. This allows you to release the throttle trigger while maintaining the desired engine RPM, reducing hand fatigue.
- **Blowing Technique:** Sweep the blower tube from side to side, moving debris in front of you. Avoid directing the air stream at people, animals, or fragile objects.
- **Applications:** This blower is suitable for clearing leaves, grass clippings, light snow, dust, and other loose debris from various surfaces such as lawns, driveways, patios, and construction sites.

9. Maintenance

Regular maintenance ensures optimal performance and extends the life of your leaf blower.

- **Air Filter:** Check and clean the air filter regularly (every 5-10 hours of operation, or more frequently in dusty conditions). Remove the filter cover, clean the filter element with warm, soapy water, rinse thoroughly, and allow it to dry completely before reinstallation. Replace if damaged.
- **Spark Plug:** Inspect the spark plug every 20-30 hours of operation. Clean any carbon deposits and check the electrode gap. Replace if worn or fouled. Refer to the specifications for the correct spark plug type and gap.
- **Fuel Filter:** The fuel filter, located inside the fuel tank, should be checked periodically and replaced if clogged or damaged.
- **Cooling Fins:** Keep the engine's cooling fins clean and free of debris to prevent overheating.
- **General Cleaning:** After each use, clean the exterior of the blower with a damp cloth. Remove any accumulated debris from the fan housing and blower tube.
- **Fasteners:** Periodically check all nuts, bolts, and screws for tightness and tighten as necessary.

10. Troubleshooting

Refer to this section for solutions to common operational issues.

Problem	Possible Cause	Solution
Engine does not start	• No fuel or incorrect fuel mixture • Choke not set correctly • Ignition switch OFF • Fouled spark plug • Clogged fuel filter • Primer bulb not pressed	• Fill with correct 25:1 fuel mixture • Adjust choke to 'CLOSED' for cold start, then 'OPEN' • Turn ignition switch to 'ON' • Clean or replace spark plug • Replace fuel filter • Press primer bulb 6-7 times
Engine starts but stalls	• Choke still engaged (warm engine) • Clogged air filter • Improper fuel mixture	• Move choke to 'OPEN' position • Clean or replace air filter • Ensure correct 25:1 fuel mixture
Loss of power during operation	• Clogged air filter • Fouled spark plug • Incorrect fuel mixture • Overheating	• Clean or replace air filter • Clean or replace spark plug • Verify 25:1 fuel mixture • Clean cooling fins, allow engine to cool
Pull cord hard to pull or broken	• Engine seized (rare) • Recoil starter mechanism issue • Cord wear	• Contact service center • Inspect recoil starter, replace if necessary • Replace pull cord

11. Specifications

Technical specifications for the Ebikestar 72CC Gas Backpack Leaf Blower:



Image: A diagram illustrating the overall dimensions of the leaf blower unit and the individual lengths and diameters of its various blower tube sections.

Feature	Specification
Model Name	Gas Leaf Blower
Engine Type	2-Stroke, Air-Cooled

Feature	Specification
Displacement	72CC
Power Output	3.6 HP (2.7 KW)
Airflow Volume	665 CFM (1440 m^3/s)
Air Speed	Up to 250 MPH
Rotate Speed	6800 r/min
Fuel Mixture Ratio	25:1 (Gasoline : 2-Stroke Oil)
Form Factor	Backpack
Item Weight	22 pounds (10 Kilograms)
Product Dimensions (L x W x H)	16"L x 24"W x 66"H (approximate assembled)
Special Feature	Adjustable Speed, Cruise Control

12. Storage

Proper storage is crucial for maintaining your leaf blower, especially during off-season periods.

- **Short-Term Storage:** After each use, allow the engine to cool. Clean the exterior of the blower. Store in a dry, well-ventilated area, away from direct sunlight and heat sources.
- **Long-Term Storage (Over 30 days):**
    a. **Drain Fuel:** Run the engine until it runs out of fuel to empty the fuel tank and carburetor. This prevents fuel degradation and gumming.
    b. **Clean:** Thoroughly clean the entire unit, including the air filter and cooling fins.
    c. **Spark Plug:** Remove the spark plug and pour a small amount (approx. 1 teaspoon) of 2-stroke engine oil into the cylinder. Pull the starter cord a few times to distribute the oil, then reinstall the spark plug.
    d. **Store:** Store the blower in a clean, dry, and secure location, out of reach of children.

13. Warranty and Support

For warranty information, technical support, or to order replacement parts, please refer to the contact information provided at the point of purchase or visit the official Ebikestar website. Keep your purchase receipt as proof of purchase for warranty claims.

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