Stihl BR600

Stihl BR600 Backpack Blower Instruction Manual

Model: BR600 | Brand: Stihl

For safe and efficient operation of your Stihl BR600 Backpack Blower.

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and care of your Stihl BR600 Backpack Blower. The Stihl BR600 is a powerful backpack blower designed for extensive cleaning tasks, featuring a 4-MIX® engine for improved sound, low fuel consumption, and reduced emissions. It also incorporates an excellent anti-vibration system and an ergonomic carrying frame for user comfort.
Please read this manual thoroughly before initial use and keep it for future reference. Adherence to these instructions will help ensure the longevity and optimal performance of your equipment.

2. Safety Instructions

Operating power equipment requires careful attention to safety. Failure to follow safety precautions can result in serious injury or property damage.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including eye protection, hearing protection, long pants, sturdy footwear, and gloves.
- **Fuel Handling:** Handle gasoline with extreme care. Store fuel in approved containers, in a well-ventilated area, away from ignition sources. Never refuel a hot engine.
- **Work Area:** Keep the work area clear of bystanders, children, and pets. Be aware of your surroundings and potential hazards.
- **Inspection:** Before each use, inspect the blower for loose parts, damage, or wear. Ensure all connections are secure.
- **Operation:** Operate the blower only in well-ventilated areas. Do not operate in enclosed spaces where carbon monoxide fumes can accumulate.
- **Anti-Vibration System:** The BR600 features a low vibration system, but prolonged use can still cause vibration-related issues. Take regular breaks.

- **Emergency Stop:** Familiarize yourself with the location and operation of the engine stop switch.

3. Setup and Assembly

The Stihl BR600 Backpack Blower typically requires minimal assembly. Follow these steps to prepare your blower for first use.

3.1 Attaching the Blower Tube

1. Ensure the engine is off and cool.
2. Connect the flexible hose to the blower housing outlet. Secure it firmly with the provided clamp or locking mechanism.
3. Attach the various sections of the blower tube (elbow, straight sections, nozzle) as per the diagram, ensuring they click into place or are securely fastened. The BR600 features an adjustable blower tube for user convenience.
4. Mount the control handle onto the blower tube at a comfortable position, ensuring the throttle cable is routed correctly and not pinched.



Figure 1: Stihl BR600 Backpack Blower with the blower tube and control handle assembled. This image shows the complete unit ready for operation, highlighting the orange and white casing, black flexible hose, and the ergonomic control handle.

3.2 Fueling the Blower

The Stihl BR600 uses a 4-MIX® engine, which typically requires a specific gasoline-oil mixture. Refer to your engine's fuel cap or a sticker on the unit for the exact mixing ratio (e.g., 50:1). Use fresh, high-octane unleaded gasoline and Stihl 2-stroke engine oil.

- Mix fuel in an approved fuel container.
- Ensure the engine is off and cool before refueling.
- Open the fuel cap slowly to release any pressure.

- Fill the fuel tank, avoiding overfilling.
- Securely close the fuel cap.

4. Operating Instructions

4.1 Wearing the Backpack Blower

The BR600 features an ergonomic carrying frame and padded straps for comfort. Adjust the shoulder straps and hip belt to ensure a snug and balanced fit. This helps distribute the weight (approximately 24.2 pounds) evenly and reduces operator fatigue.



Figure 2: Rear view of the Stihl BR600, showcasing the padded shoulder straps and hip belt of the ergonomic carrying harness. Proper adjustment of these straps is crucial for comfortable operation.

4.2 Starting the Engine (Cold Start)

1. Place the blower on a flat, stable surface.
2. Move the master control lever to the **COLD START** position (choke fully closed).
3. Press the fuel primer bulb several times until fuel is visible in the return line.
4. Pull the starter cord firmly and steadily until the engine fires (usually a few pulls). Do not pull the cord to its full

extension or let it snap back.

5. Once the engine fires, immediately move the master control lever to the **RUN** position (choke open).
6. If the engine does not start, repeat the process. If it starts and then stalls, move the lever to the **WARM START** position and try again.



Figure 3: Side view of the Stihl BR600 engine housing, showing the starter cord handle and the fuel primer bulb. These components are essential for initiating the engine start-up sequence.

4.3 Operating the Blower

- Allow the engine to warm up for a few moments at idle.
- Use the throttle trigger on the control handle to increase or decrease engine speed and air output.
- Direct the blower tube towards the debris. Use a sweeping motion to move leaves and other materials.
- Be mindful of dust and debris. Avoid blowing towards people, animals, or open windows.
- The BR600's low vibration levels enhance comfort during extended use.



Figure 4: Close-up of the Stihl BR600's ergonomic control handle, featuring the throttle trigger and stop switch. This handle allows for precise control over the blower's operation.

4.4 Stopping the Engine

To stop the engine, move the master control lever to the**STOP** position. The engine should shut off immediately.

5. Maintenance

Regular maintenance ensures the reliability and extends the lifespan of your Stihl BR600.

- **Air Filter:** Clean the air filter regularly, especially in dusty conditions. Replace if damaged or excessively dirty.
- **Spark Plug:** Inspect the spark plug periodically. Clean or replace if fouled or worn. Ensure correct gap.
- **Fuel Filter:** Check and replace the fuel filter in the tank as needed.
- **Cooling Fins:** Keep the engine's cooling fins clean to prevent overheating.
- **General Cleaning:** After each use, clean the exterior of the blower, removing any debris from the air intake and housing.
- **Storage:** For long-term storage, drain the fuel tank or use a fuel stabilizer. Store the blower in a clean, dry place, out of reach of children.

6. Troubleshooting

This section addresses common issues you might encounter with your BR600.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, fouled spark plug, clogged fuel filter.	Check fuel level and mixture. Adjust choke. Inspect/clean/replace spark plug. Check/replace fuel filter.
Engine starts then stalls	Incorrect choke setting, air filter dirty, fuel line obstruction.	Move choke to RUN position. Clean air filter. Check fuel lines.
Reduced blowing power	Clogged air filter, damaged blower tube, engine running poorly.	Clean air filter. Inspect blower tube for blockages or damage. Refer to engine starting/stalling solutions.
Excessive vibration	Loose components, damaged fan/impeller.	Check all fasteners. If vibration persists, discontinue use and consult a Stihl service technician.

7. Specifications

Brand: Stihl

Model: BR600

Engine Type: 4-MIX® Engine (64.8cc)

Style: Backpack

Item Weight: Approximately 24.2 pounds (11 Kilograms)

Product Dimensions: 19.88 x 14.96 x 20.87 inches

Special Features: Anti-Vibration System, Ergonomic Design, Adjustable Blower Tube

Included Components: 1 x BR600 Backpack Blower

UPC: 795711373641

8. Warranty and Support

For warranty information, please refer to the warranty card included with your Stihl BR600 Backpack Blower or visit the official Stihl website. For technical support, service, or genuine Stihl replacement parts, contact your authorized Stihl dealer. Always use genuine Stihl parts to ensure compatibility and maintain product integrity.
You can find your nearest authorized Stihl dealer by visiting Stihl's official website.

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