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Schröder SR-6400L

Schröder SR-6400L Backpack Leaf Blower

User Manual

1. Introduction

Thank you for choosing the Schröder SR-6400L Backpack Leaf Blower. This powerful and efficient tool is designed for effective outdoor cleanup, featuring a 63.3 cc, 2-stroke 3.7 HP engine. It delivers up to 230 MPH airspeed and 920 CFM air volume, making it suitable for both wet and dry debris. The ergonomic design with padded shoulder straps and back support ensures comfort during extended use. Please read this manual thoroughly before operation to ensure safe and proper use, maintenance, and optimal performance of your leaf blower.

2. Safety Information

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and sturdy footwear, during operation.
- Do not operate the blower in wet conditions or near flammable liquids or gases.
- Keep children, bystanders, and pets at a safe distance (at least 50 feet) from the operating area.
- Inspect the blower before each use for loose parts, damage, or fuel leaks. Do not operate a damaged blower.
- Ensure proper ventilation when refueling or operating the engine.
- Never point the blower nozzle at people or animals.
- Turn off the engine and allow it to cool before performing any maintenance or adjustments.

3. Setup and Assembly

3.1 Unpacking

Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged. If any parts are missing or damaged, contact customer support.

3.2 Assembling the Blower Tubes

1. Attach the flexible blower tube to the engine outlet using the provided clamp. Ensure a secure fit.
2. Connect the straight tube sections to the flexible tube, securing them with clamps or locking mechanisms as designed.
3. Attach the nozzle to the end of the last straight tube section.

4. Mount the ergonomic control handle onto the blower tube at a comfortable position, ensuring the throttle cable is routed correctly and securely.



Figure 1: Overview of the Schröder SR-6400L Backpack Leaf Blower with key components labeled, including the 63.3cc 2-stroke 3.7 HP engine, comfortable backpack design, 65 oz / 1.9 L fuel tank, ergonomic control handle, flexible blower tube, and durable construction.

3.3 Fuel Mixing

The SR-6400L uses a 2-stroke engine and requires a specific fuel mixture. Use fresh, unleaded gasoline with an octane rating of 89 or higher, mixed with high-quality 2-stroke engine oil at a ratio specified in the engine manual (typically 50:1 or 40:1). Always mix fuel in a separate, approved fuel container. Do not mix fuel directly in the blower's fuel tank.

- Fill the fuel tank (65 oz / 1.9 L capacity) carefully to avoid spills.
- Wipe up any spilled fuel immediately and move the blower away from the fueling area before starting.

4. Operating Instructions

4.1 Starting the Engine

1. Place the blower on a flat, stable surface.
2. Ensure the ON/OFF switch is in the 'ON' position.
3. Engage the choke lever (if applicable) to the 'CLOSED' or 'START' position.
4. Press the primer bulb several times until fuel is visible in the clear return line.
5. Pull the starter rope firmly and smoothly until the engine attempts to start (usually 1-3 pulls).
6. Once the engine 'pops' or briefly starts, move the choke lever to the 'OPEN' or 'RUN' position.
7. Pull the starter rope again until the engine starts and runs smoothly.
8. Allow the engine to warm up for a few moments before applying full throttle.

4.2 Using the Blower

- Wear the backpack harness comfortably, adjusting straps for a secure fit. The padded harness and back support system are designed to minimize fatigue.
- Use the variable-speed throttle control on the handle to adjust airflow as needed. The cruise control feature allows for sustained operation at a desired speed.
- Direct the airflow towards the debris you wish to move. Work in a sweeping motion to gather leaves and other materials.
- The powerful airflow (230 MPH airspeed, 920 CFM air volume) is effective for clearing leaves, grass clippings, small debris, and even light snow.



Figure 2: Operator control features, including the padded ergonomic harness and multi-speed throttle with cruise control.



Figure 3: The SR-6400L in action, demonstrating its versatility for clearing leaves, grass, sidewalk debris, and light snow.

4.3 Stopping the Engine

To stop the engine, simply move the ON/OFF switch to the 'OFF' position.

5. Maintenance

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

5.1 Air Filter

- Check the air filter regularly, especially in dusty conditions.
- Clean or replace the air filter as needed to prevent engine damage and maintain performance.

5.2 Spark Plug

- Inspect the spark plug periodically for wear or carbon buildup.
- Clean or replace the spark plug to ensure reliable starting and efficient engine operation.

5.3 Fuel System

- Drain the fuel tank and run the engine until it stops if storing the blower for an extended period (over 30 days).
- Alternatively, use a fuel stabilizer to prevent fuel degradation.

5.4 General Cleaning

- Keep the exterior of the blower clean and free of debris.
- Ensure cooling fins are clear to prevent overheating.

6. Troubleshooting

Problem	Possible Cause	Solution
Engine does not start	◦ ON/OFF switch in 'OFF' position ◦ No fuel or incorrect fuel mixture ◦ Choke not set correctly ◦ Fouled spark plug	◦ Move switch to 'ON' ◦ Fill with correct fuel mixture ◦ Adjust choke as per starting instructions ◦ Clean or replace spark plug
Loss of power during operation	◦ Dirty air filter ◦ Incorrect fuel mixture ◦ Clogged fuel filter	◦ Clean or replace air filter ◦ Ensure correct fuel mixture ◦ Replace fuel filter
Excessive vibration	◦ Loose components ◦ Damaged fan/impeller	◦ Check and tighten all fasteners ◦ Contact service for inspection/repair

7. Specifications

Feature	Specification
Model Name	SR-6400L
Engine Type	63.3 cc, 2-stroke
Engine Horsepower	3.7 HP
Max Airspeed	230 MPH
Max Air Volume	920 CFM
Fuel Tank Capacity	65 oz (1.9 L)
Item Weight	19.5 pounds
Noise Level	65 dB
Dimensions (L x W x H)	22"L x 18"W x 18"H
Power Source	Gas Powered
Form Factor	Backpack



Figure 4: Key performance metrics of the SR-6400L, highlighting its 230 MPH airspeed and 920 CFM air volume.



Figure 5: Engine specifications, including 63.3 cc displacement, 3.7 HP, and 2-stroke design.



Figure 6: Mobility and capacity details, including the 19.5 lb weight and 1.9 L fuel tank.

8. Warranty

The Schröder SR-6400L Backpack Leaf Blower is typically covered by a manufacturer's warranty. Additionally, extended protection plans, such as a 2-Year or 3-Year Protection Plan, may be available for purchase. Please refer to your purchase documentation or contact Schröder customer support for specific warranty terms and conditions.

9. Support

For further assistance, technical support, or to inquire about replacement parts, please visit the official Schröder website or contact their customer service department. Keep your model number (SR-6400L) and serial number (if applicable) ready when contacting support.

You can visit the Schröder Store on Amazon for more information:Schröder Store

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