

USER AND MAINTENANCE MANUAL

ZONDA 2T BLOWER



Wildfires | ZONDA 2T blower



INDEX

PRODUCT IDENTIFICATION

SAFETY AND WARNINGS

INSTALLATION AND START-UP

OPERATION AND USE

MAINTENANCE

TROUBLESHOOTING

ACCESSORIES AND PACKAGE CONTENTS

**LEGAL INFORMATION, WARRANTY,
AND LIABILITY**

PRODUCT IDENTIFICATION

ZONDA 2T BLOWER

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GENERAL DESCRIPTION:

High-flow portable backpack blower with an air-cooled, single-cylinder 2-stroke engine, integrated into a compact housing that promotes heat dissipation and protects the internal components.

Uses:

- Clearing land and clearing areas using high-velocity airflow.
- Removing leaves, branches, debris, and waste in open spaces.
- Emergency and firefighting operations: clearing areas affected by fires.
- Removing obstacles that hinder access and facilitating rescue efforts.
- Removing materials without direct contact with hazardous substances.

Technical Specifications:

Airflow	1.850 m³/h
Air velocity	115 m/s
Rated speed	7.500 r/min
Displacement	81,6 cc
Rated power	3,5 kW
Fuel tank capacity	2,3 L
Engine type	Single-cylinder 2-stroke
Recommended fuel	90# gasoline + 2-stroke oil (25:1)

Design and Materials:

- Air-cooled, single-cylinder, 2-stroke engine in a compact housing.
- Backpack-style unit with a structural frame, adjustable shoulder straps, and a back pad.
- Air intake system with a rigid tube and a flexible section for better maneuverability and reduced vibration.
- Flexible connection hose, blower tube, and interchangeable nozzle; quick-connect bayonet-style fittings.
- Integrated fuel tank, primed with a rubber bulb; easily accessible throttle and ignition controls.
- Integrated handle on the tube with built-in throttle control.
- Heavy-duty components: highly durable plastic tank, metal clamp connections, and corrosion protection.



SAFETY AND WARNINGS

General rules:



Read and fully understand the manual before using the machine.



Always consult the instructions and safety labels.



Wear tight-fitting work clothes; avoid loose clothing, scarves, jewelry, or loose hair.



Wear sturdy, non-slip boots with reinforced toe caps.



Wear safety goggles or a face shield, non-slip gloves, and hearing protection.



Do not smoke or bring open flames near the machine while refueling or near fuel.



Keep children, animals, and bystanders away.

Safe use: Fuel and maintenance.

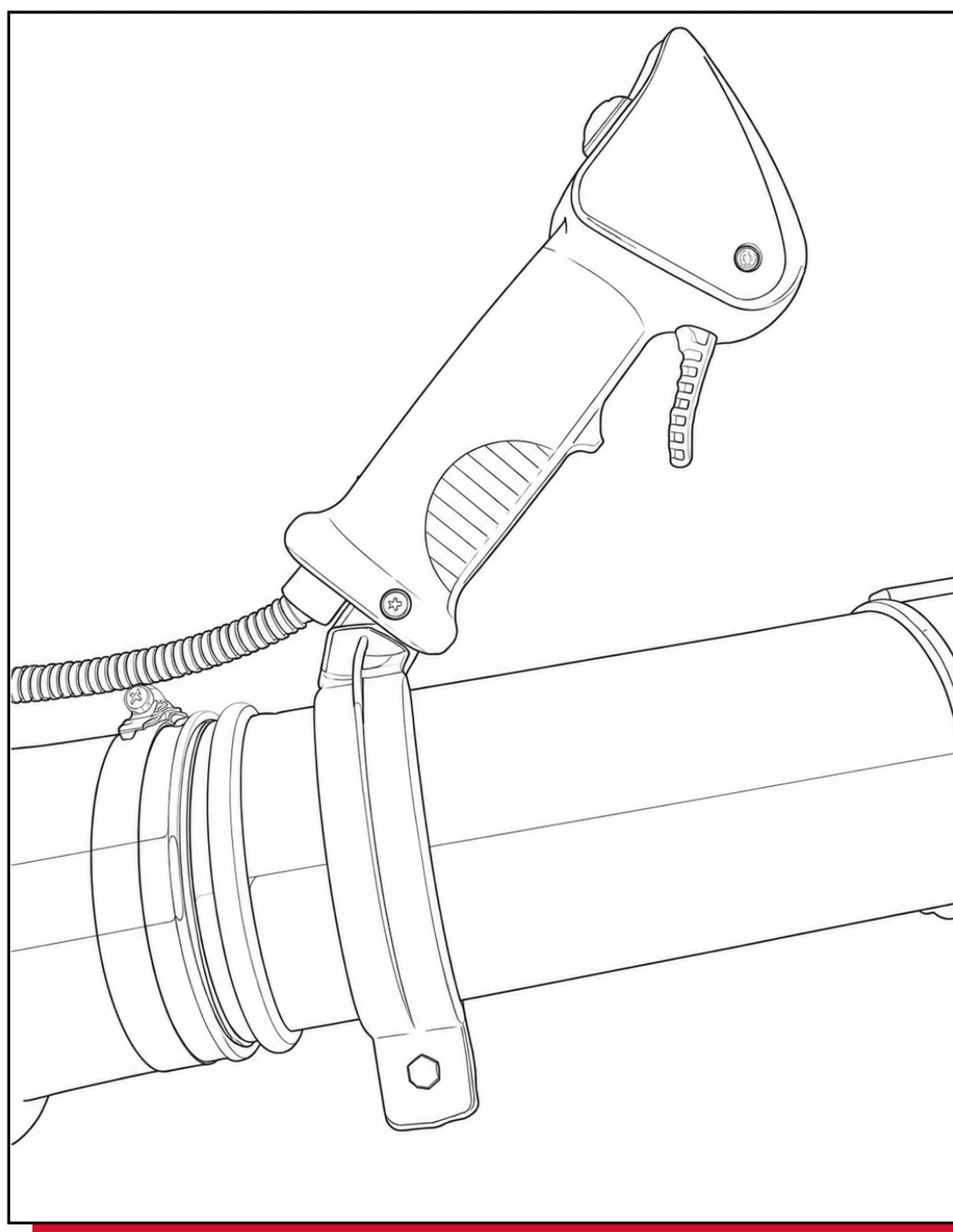
- Turn off the engine before refueling; refuel in a well-ventilated area, away from sources of ignition. Do not refuel while the engine is hot.
- Clean up any spilled fuel and change your clothes if they get wet with gasoline.
- Check for leaks before starting the engine.
- Start the engine outdoors, at least 3 meters away from the refueling area. Do not use indoors, in enclosed trenches, or in poorly ventilated areas.
- Maintain a stable position; do not direct the airflow toward people, animals, vehicles, or fragile objects.
- Do not modify the tool; for maintenance not described in the manual, contact an authorized service center.
- After use, clean the machine and store it away from fire, sparks, or flammable materials.

Before starting

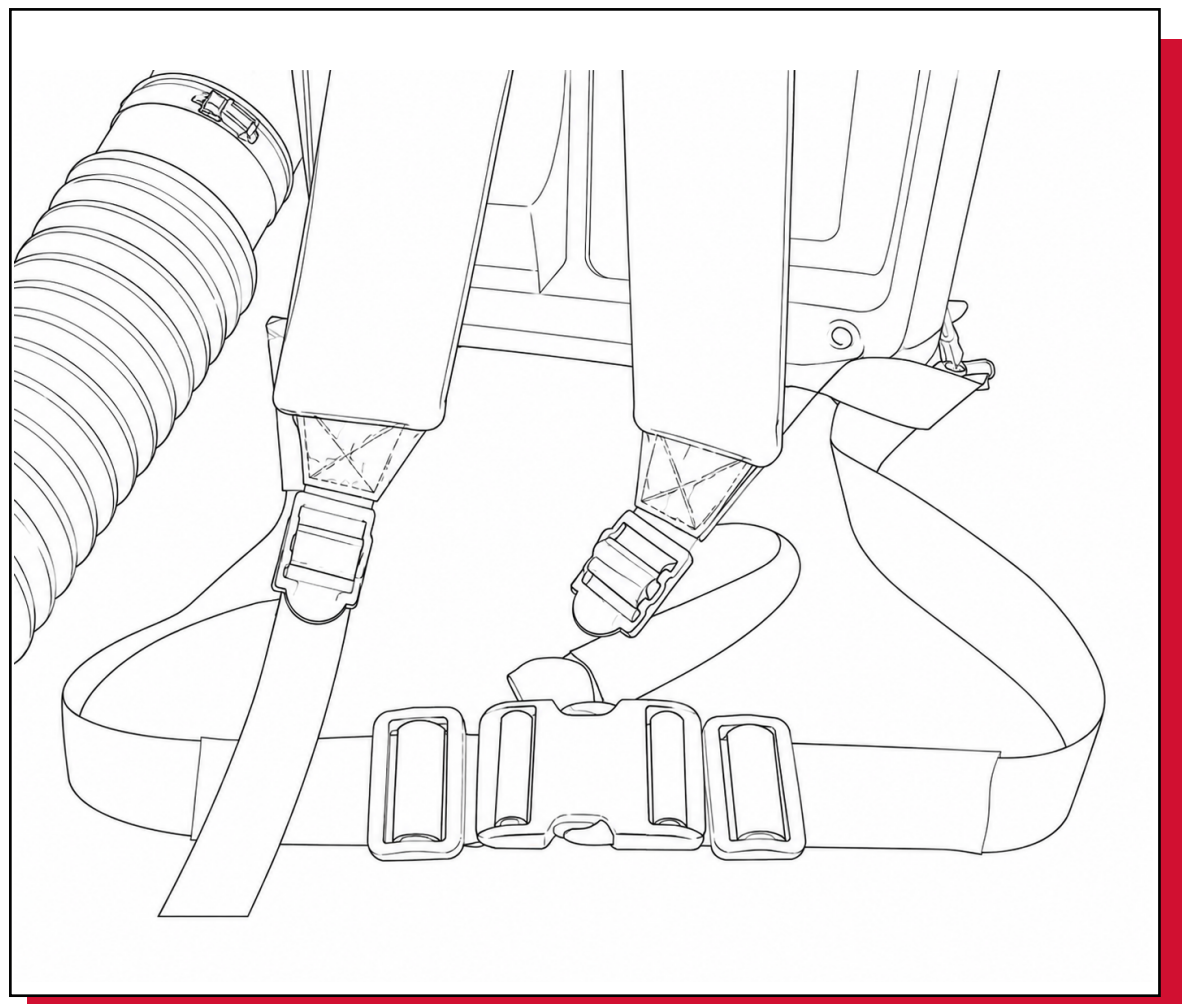
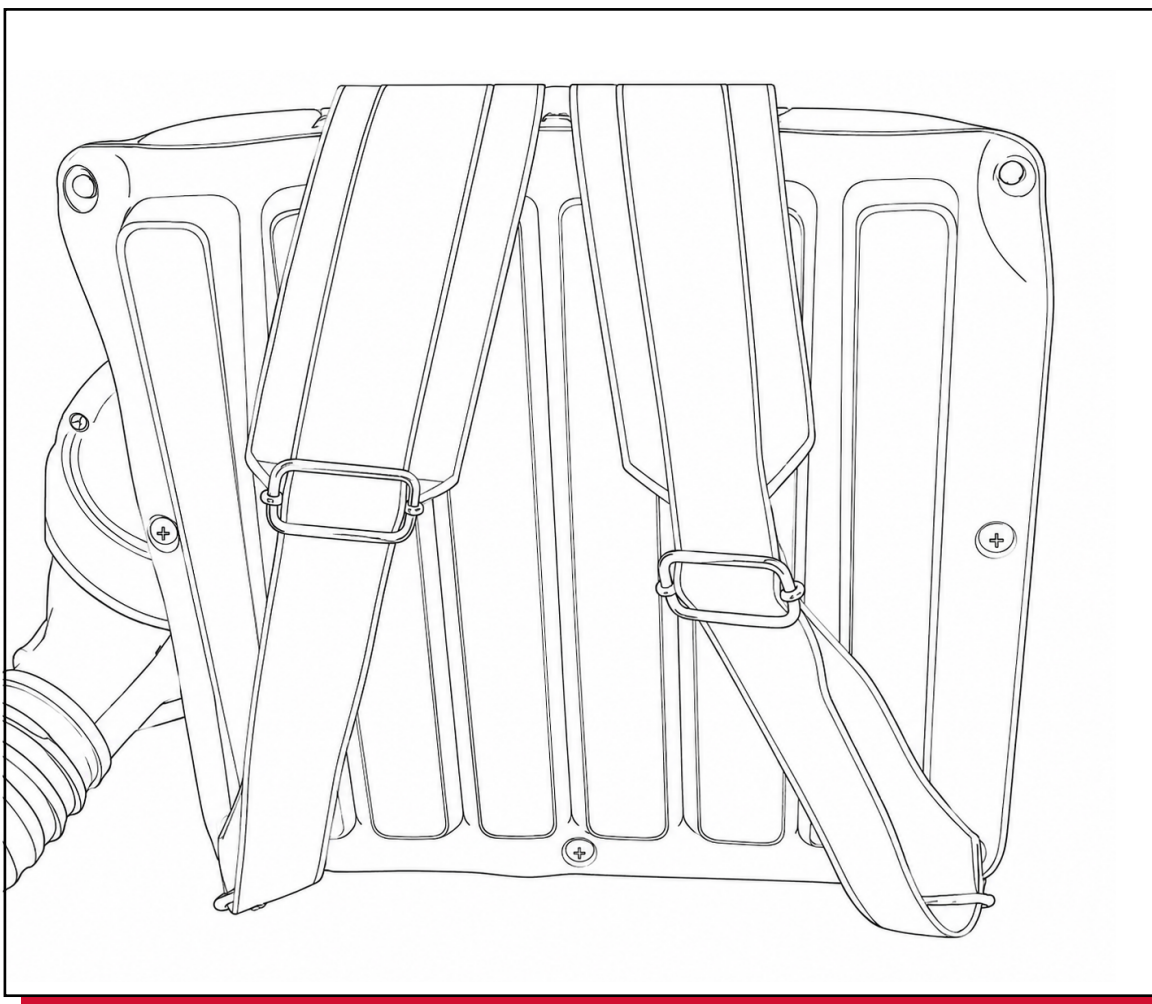
- Always transport the machine with the engine off; avoid tipping it over, which could cause fuel leaks.
- Check that the throttle lever moves freely and returns on its own to the off position.
- Check that the switch turns on and off easily.
- Check that the spark plug cap is securely fastened.

Adjusting the control handle and harness

- 1** Place the machine on your back to determine the most comfortable position for the control handle.
- 2** Loosen the clamp screws and slide the control assembly onto the straight tube, near the large flexible hose.
- 3** Tighten the clamp again once the correct position is reached.



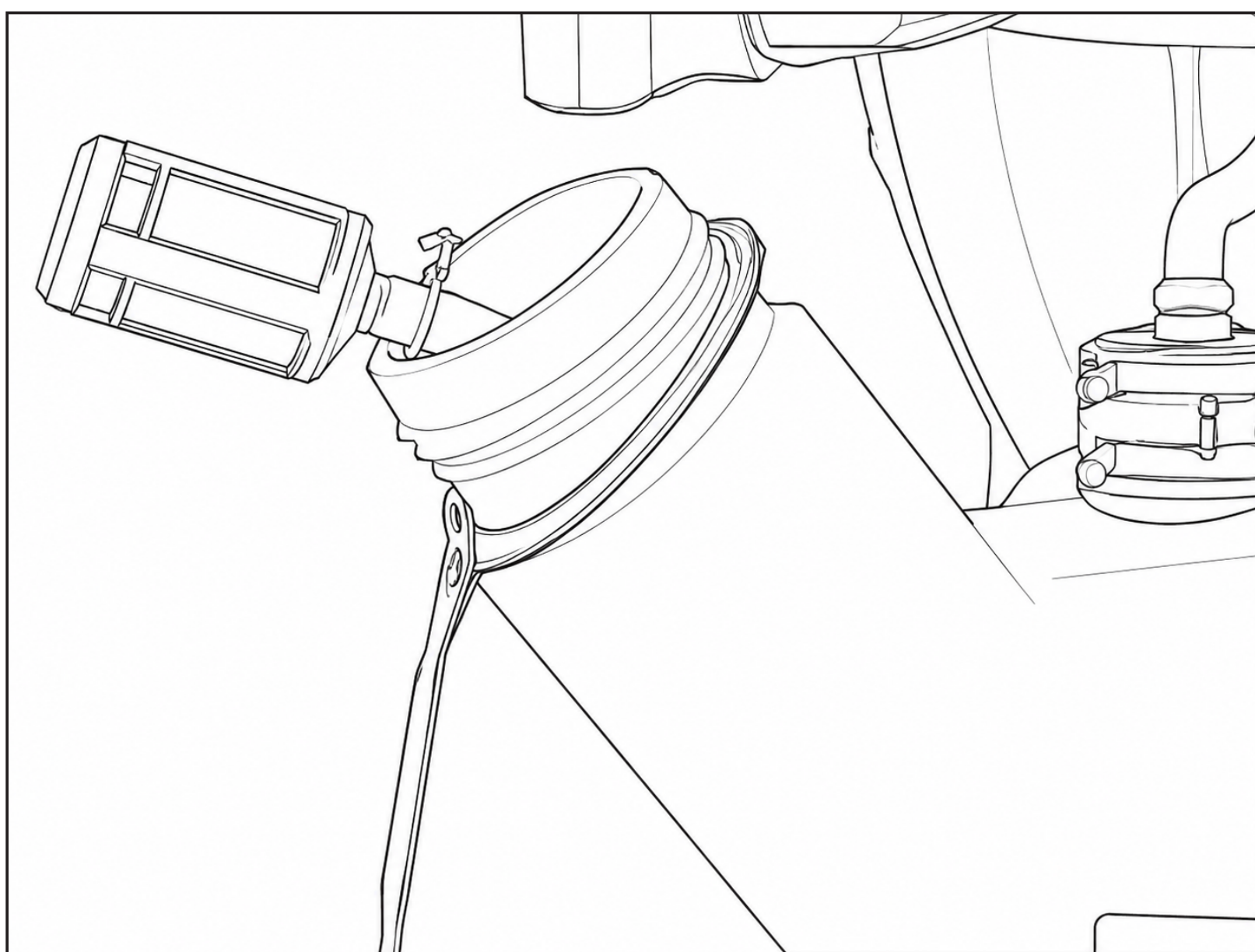
- 4** Thread the ends of the straps through the lower anchor points on the frame.
- 5** Adjust the straps until the back pad is secure and comfortable.



OPERATION AND USE

Fuel

- The engine requires a mixture of gasoline and 2-stroke engine oil in a 25:1 ratio (gasoline : 2-stroke oil).
- Use 90-octane gasoline or higher, preferably unleaded. Use high-quality 2-stroke engine oil.
- Pour in the oil first, then the gasoline, shaking until the mixture is uniform.
- Use the mixture within a few months of preparation; store it in a dry, safe place.
- Shake the container before refueling; clean the tank opening. Do not overfill; tighten the cap securely by hand.

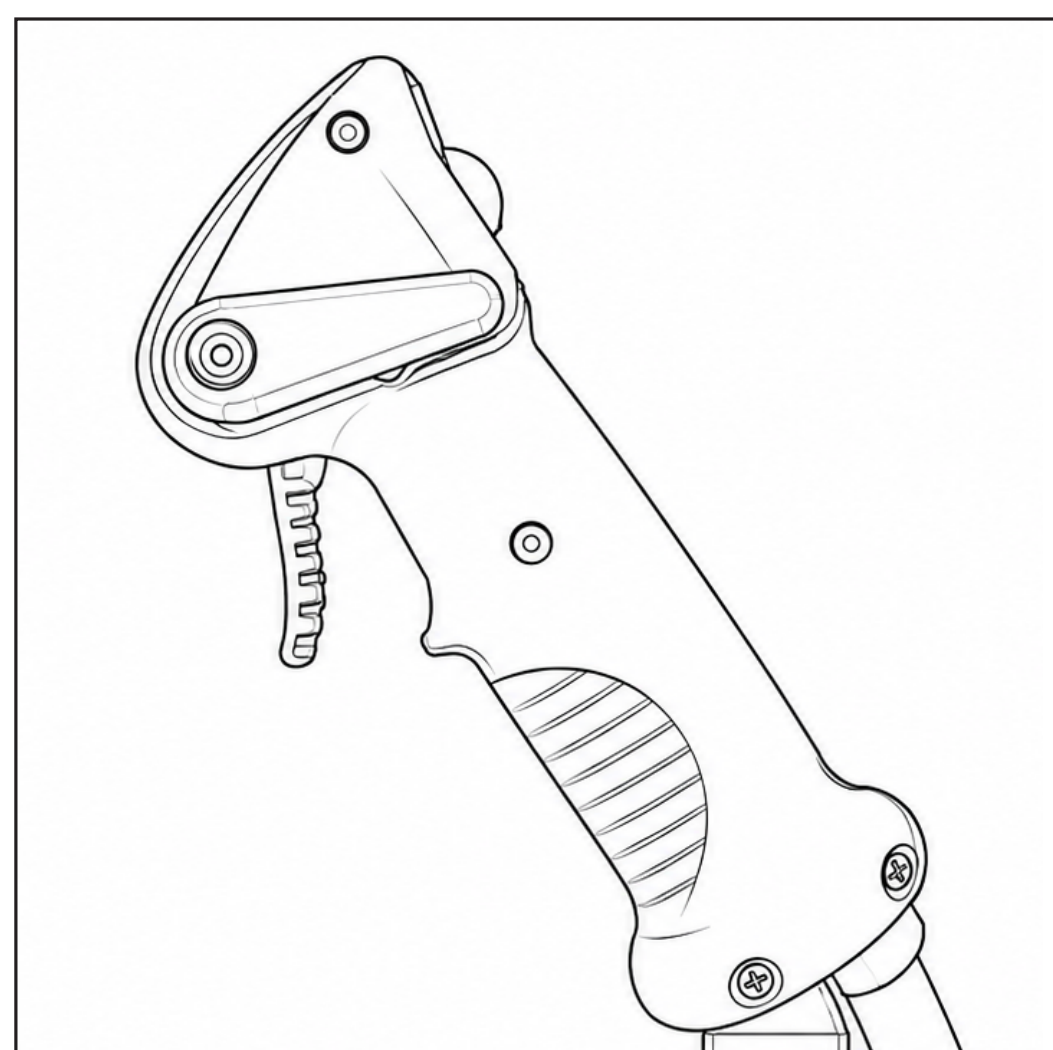
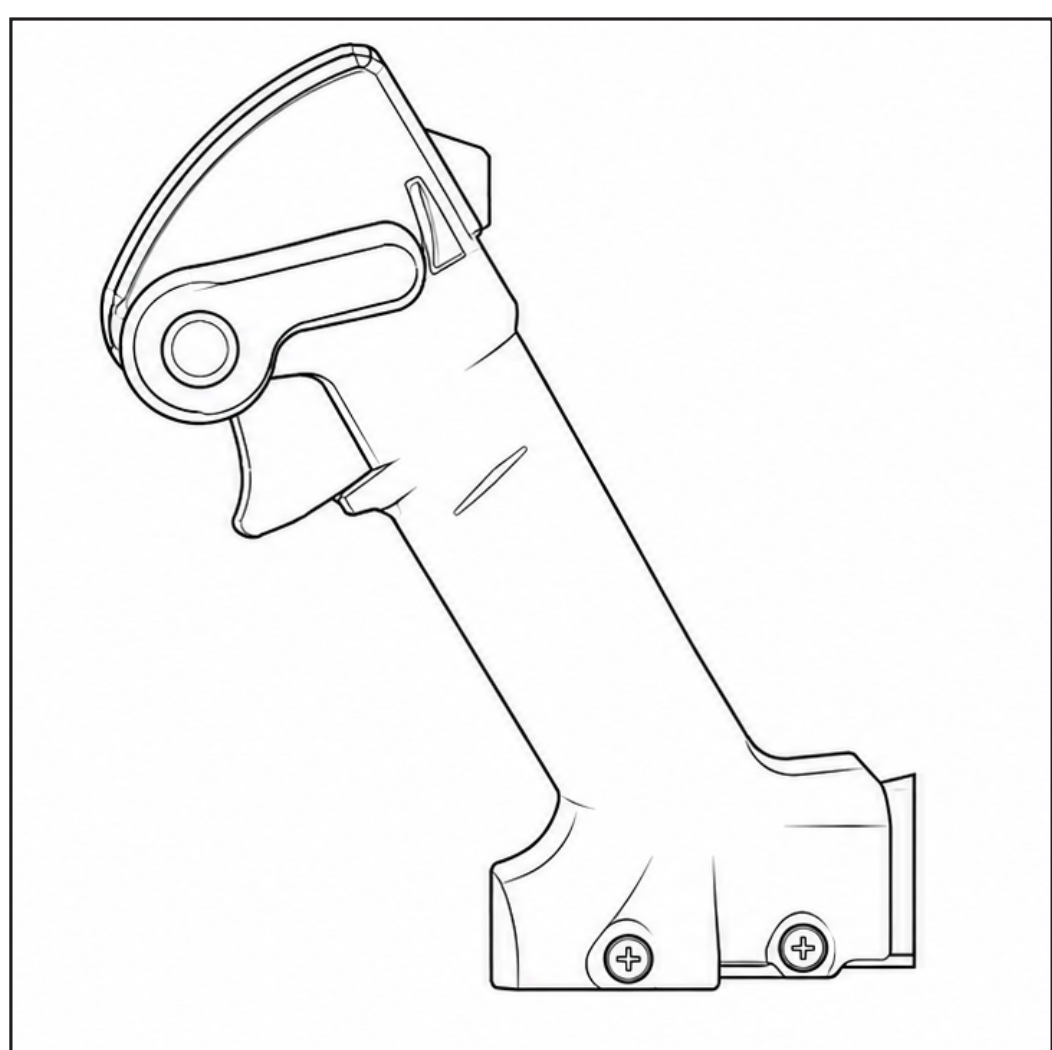


Starting and stopping — Basic controls

- Center-lock lever: Controls the amount of fuel during startup.
- Cold start: Close the choke; once the engine starts, open

it fully.

- Warm start: Keep the choke fully open and start the engine immediately.
- Press the primer bulb until you see fuel return through the return tube.



Starting and stopping — Procedure

1. Place the machine on the ground, ensuring the work area and the direction of the nozzle are clear.
2. Hold the frame with your left hand and step on the base to prevent it from sliding.
3. Slowly pull the starter cord out about 20 cm, then give it a quick, firm pull without letting go suddenly.
4. When the engine starts, move the throttle lever to the idle position.
5. To stop the engine, move the switch to the “STOP” position.

If the engine does not start: check the spark plug and clean the combustion chamber by pulling the starter cord with the switch in the “OFF” position; reinstall the spark plug and try again with the choke open. If the engine runs out of fuel, prime it again until you see fuel return, then try starting it again.

MAINTENANCE

Use and break-in

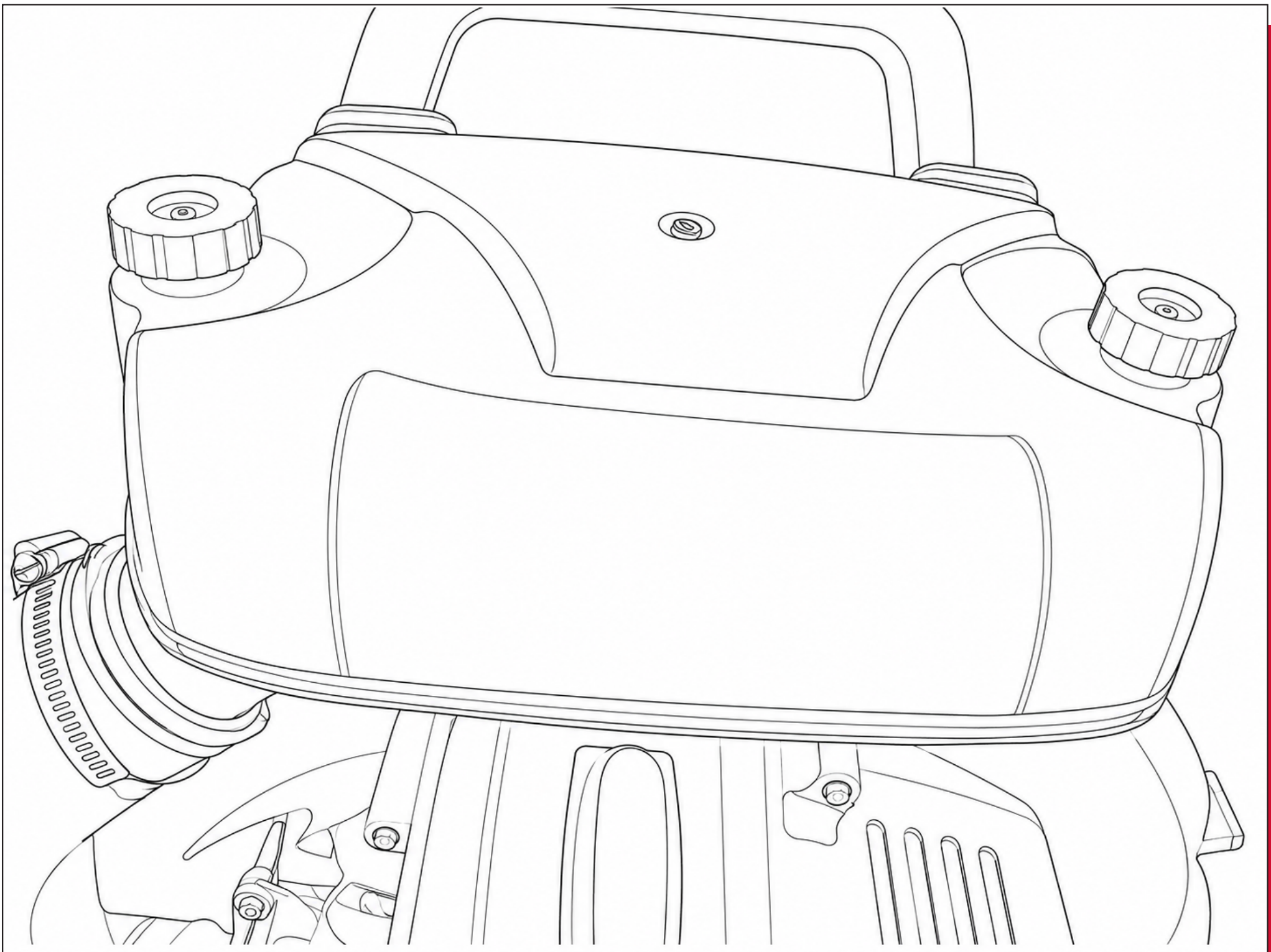
- During the first three fuel fill-ups, do not operate the machine continuously at high RPMs (break-in period).
- After approximately 5 to 15 uses, the engine reaches its maximum power.
- After prolonged use, let the engine idle for a few moments to dissipate heat and protect internal components.

- Allow the engine to cool down after use. For short-term storage, keep it in a dry place.

Cleaning the air filter

A dirty filter reduces power, increases fuel consumption, and makes starting difficult.

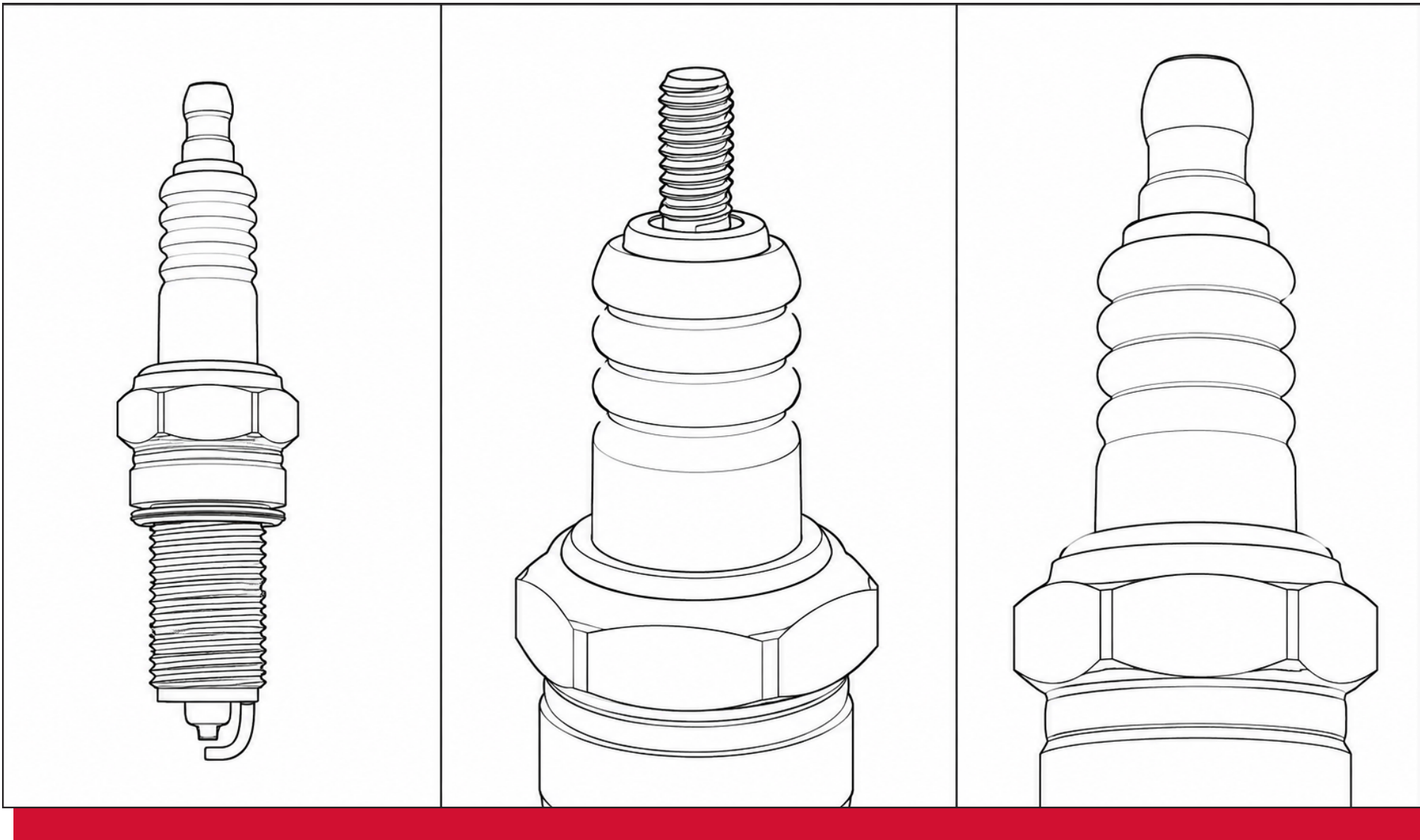
- 1 Close the choke.
- 2 Loosen the large screw and remove the filter cover.
- 3 Remove the filter element; clean it if it is dirty or replace it if it is damaged.
- 4 Reinstall the filter and tighten the cover.



Spark plug and long - Term storage

- Electrode gap: 0.6–0.7 mm.
- Common causes of a faulty spark plug: excess oil in the fuel mixture, a dirty air filter, or improper operating conditions.
- Replace the spark plug after 100 hours of use (or sooner if the electrodes are severely worn).
- To store the machine for 3 months or longer: empty and clean the fuel tank, run the engine until the

carburetor is dry, clean the machine, and store it in a high, dry, well-ventilated place out of the reach of children or unauthorized persons.



TROUBLESHOOTING

The engine is hard to start or won't start:

Symptom	Probable cause	Solution
No spark at the spark plug	Spark plug is wet, carbon-fouled, damaged, or has an incorrect gap	Dry, clean, or replace; adjust the gap to 0.6–0.7 mm
No spark from the ignition system	Damaged cable, faulty ignition coil, or open circuit	Repair or replace
There is a spark, but the engine does not start	Excess fuel; dirty or water-contaminated fuel; loose spark plug	Reduce priming, replace the fuel, tighten the spark plug
No fuel supply	Empty fuel tank, clogged filter, or blocked fuel cap vent	Refuel; clean the filter and fuel cap vent

The engine shuts off or there is insufficient power:

Symptom	Probable cause	Solution
Good compression, but the engine stalls	Clogged fuel filter; air entering through the connections; water in the fuel	Clean, tighten connections, and replace the fuel
Engine overheating	Prolonged operation under load or at high speed	Stop the engine and allow it to cool; avoid continuous overloading

Carbon buildup in the muffler	Accumulation of combustion residues	Clean the muffler
Insufficient power	Lean fuel mixture, inadequate lubrication, or carbon buildup in the combustion chamber	Adjust the carburetor, use suitable 2-stroke oil, and clean the combustion chamber

Shutdown during operation / unusual noises:

Symptom	Probable cause	Solution
Stops suddenly	Loose spark plug cable; short-circuited spark plug; no fuel	Repair or replace, remove carbon deposits, refuel
Se apaga lentamente	Clogged carburetor; blocked fuel tank vent	Clean
Abnormal noise or knocking	Unsuitable fuel; excessive carbon buildup; worn parts	Replace the fuel, clean, inspect, and replace worn parts

ACCESSORIES AND PACKAGE CONTENTS

Included accessories:

- Large flexible hose set (1 set)
- Blower hose (1 unit)
- Blower hose connector (1 unit)
- Flat nozzle (1 unit)
- Tool bag (1 unit)

Package Contents:

- Backpack blower (1 unit)
- Fuel mixing bottle (1 unit)
- Tools: hose wrench, open-end wrench, and 2 stainless steel clamps 90–110 (1 set)

LEGAL INFORMATION, WARRANTY, AND LIABILITY

INFOREST SRL warrants that the ZONDA 2T Blower is free from defects in materials and workmanship at the time of delivery.

The warranty covers defects attributable to the manufacturing process, provided that the product:

- Is used in accordance with the instructions and

procedures outlined in this manual.

- Is used solely for the purposes intended by the manufacturer.
- Is used by trained personnel.
- Undergoes the recommended inspections and maintenance.
- Has not been modified, tampered with, or repaired by personnel not authorized by INFOREST SRL.

The warranty does not cover:

- Normal wear and tear of components subject to regular use.
- Damage caused by misuse, negligence, or use outside the intended conditions.
- Damage caused by prolonged exposure to harsh chemicals, extreme temperatures, or unforeseen environmental conditions.
- Damage resulting from improper cleaning or maintenance.
- Damage caused by dragging the product over abrasive surfaces or improper transport.
- Damage caused by impacts, accidents, or external factors.
- Interventions, modifications, or repairs performed by unauthorized third parties.



WARNING

Any repairs, replacement of structural components, or technical work must be performed exclusively by personnel authorized by INFOREST SRL.

Unauthorized tampering with the product will result in the automatic voiding of the warranty.

Furthermore, INFOREST SRL shall not be liable for damage to the product, loss or deterioration of transported items, detachment of improperly installed accessories, injuries resulting from improper load distribution or incorrect harness adjustment, or any consequences arising from unauthorized modifications, repairs, or interventions, or from the use of the product outside the intended conditions.

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