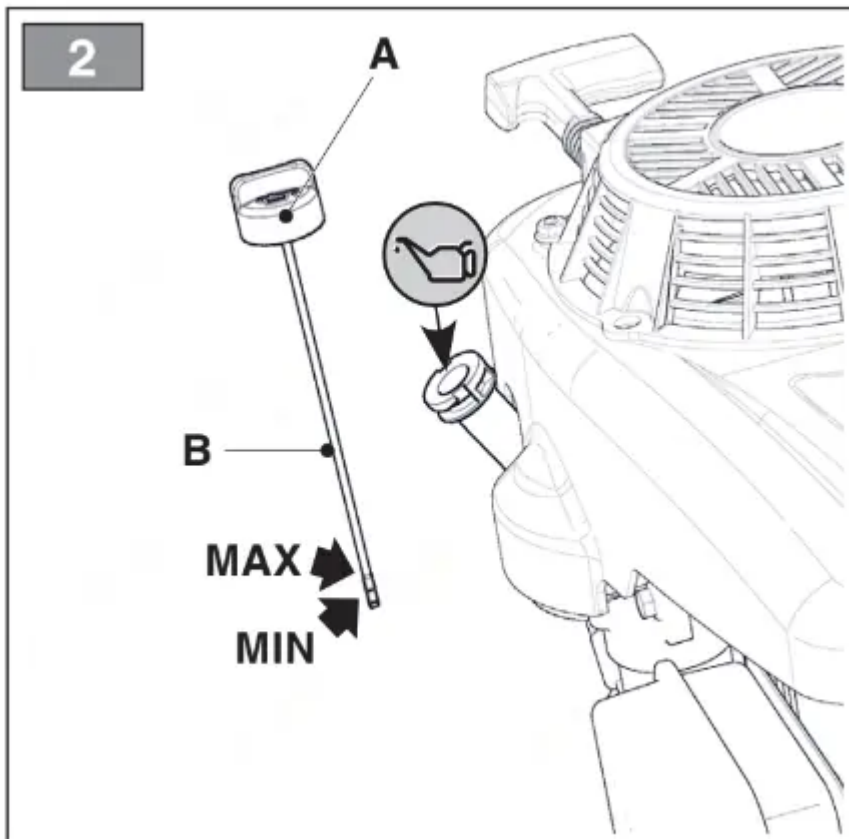
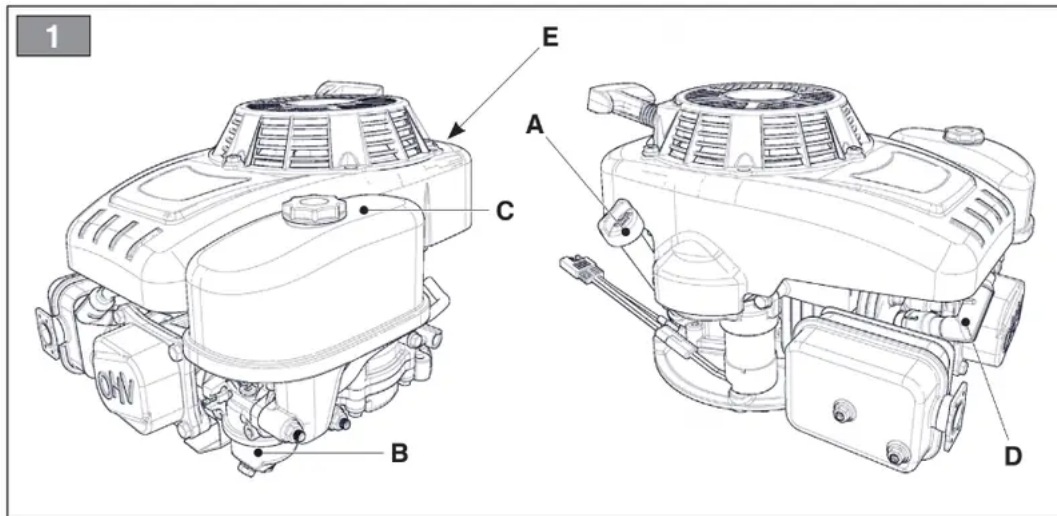
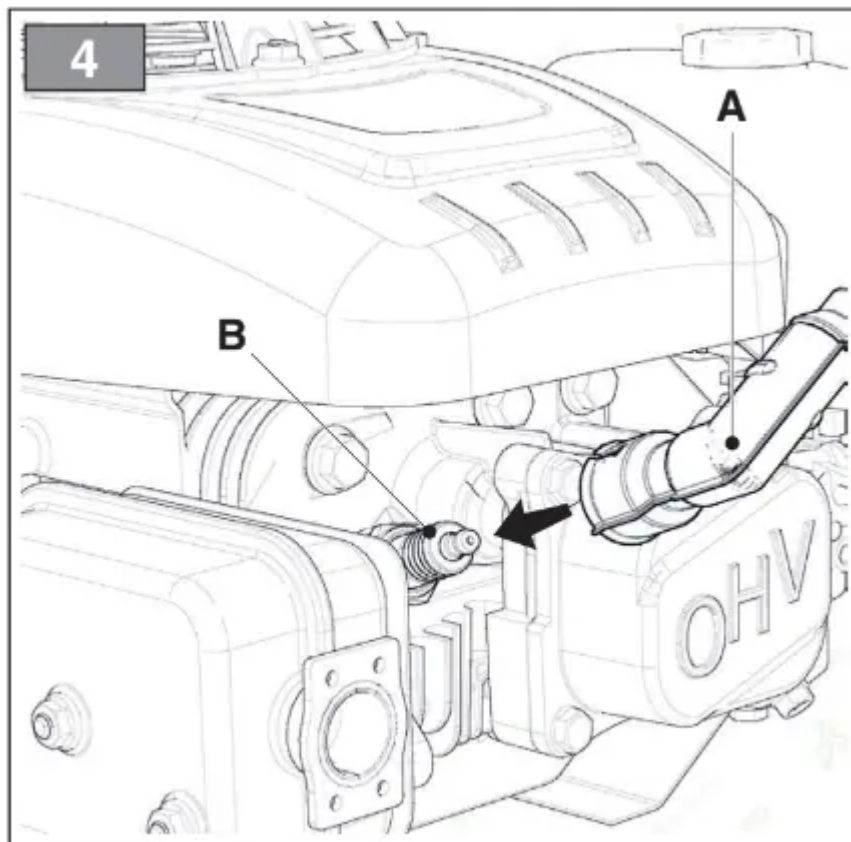
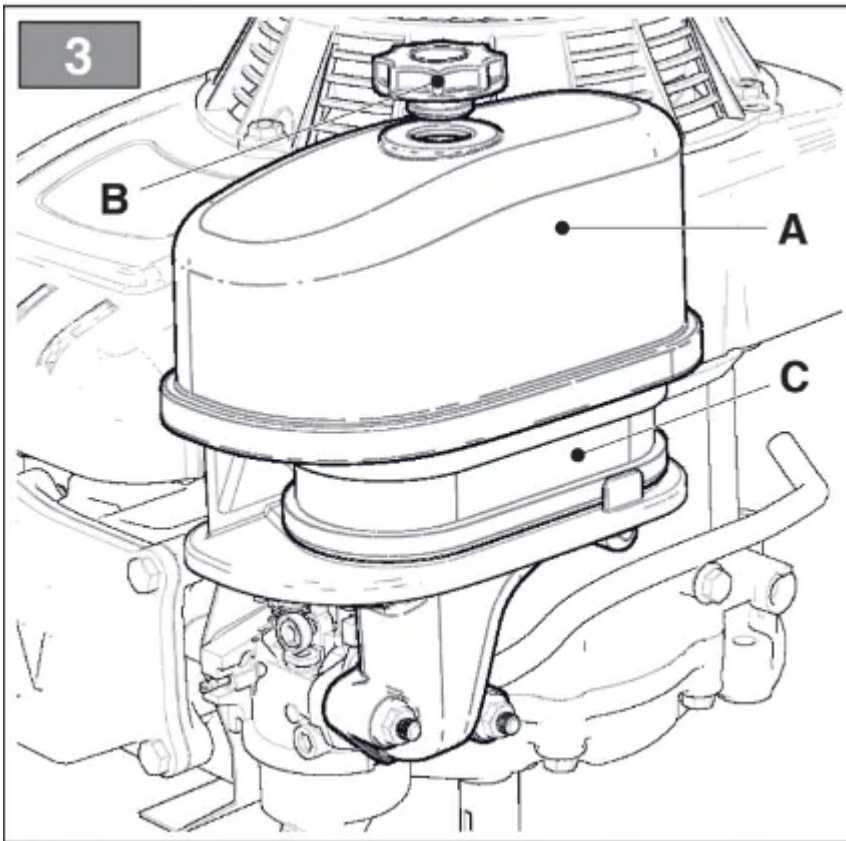
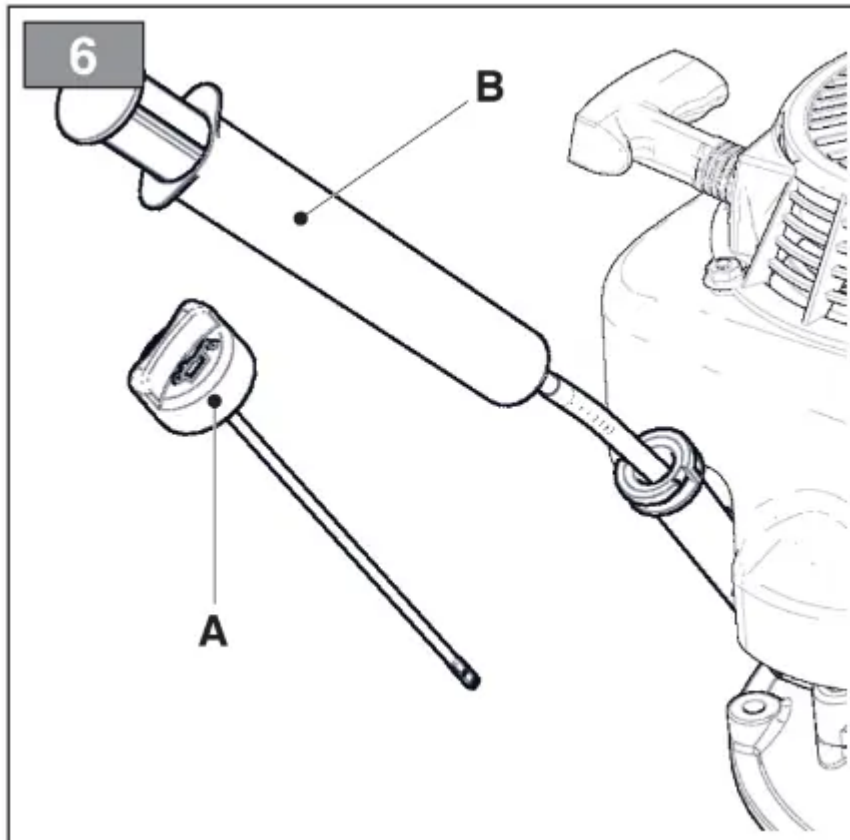
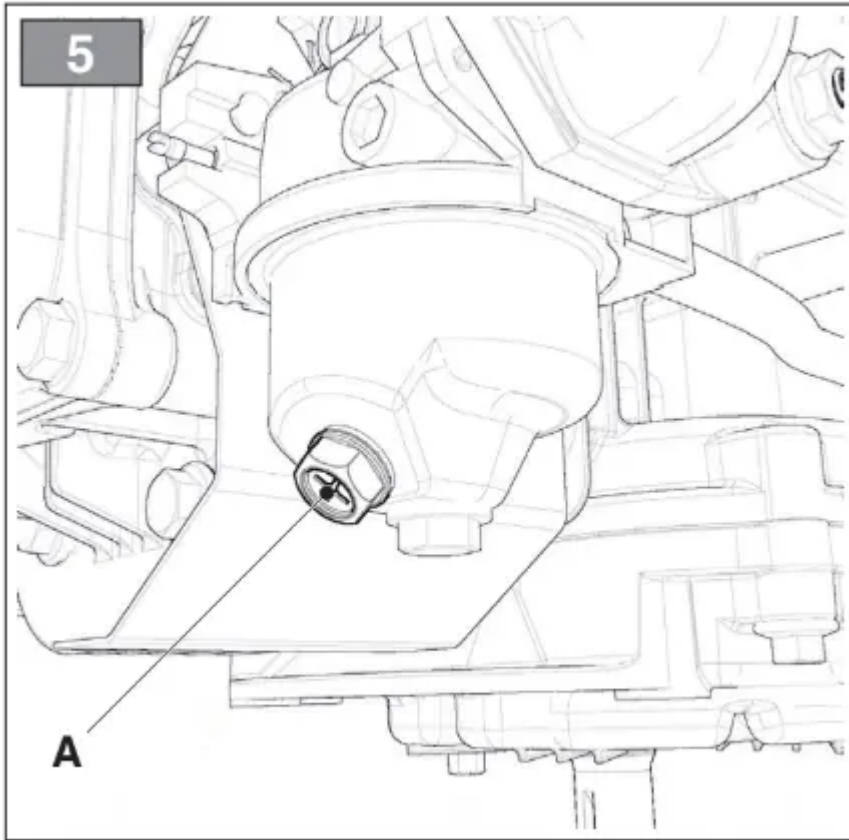
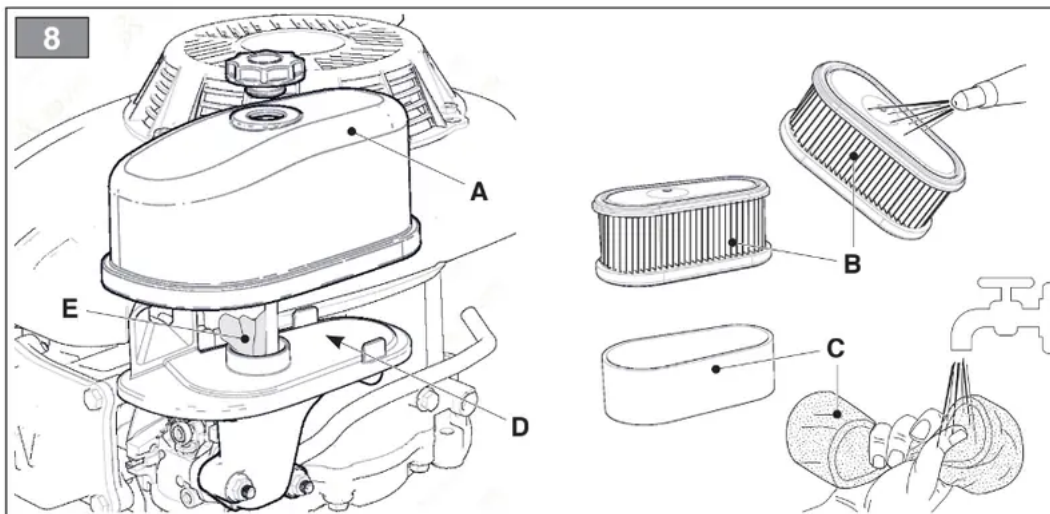
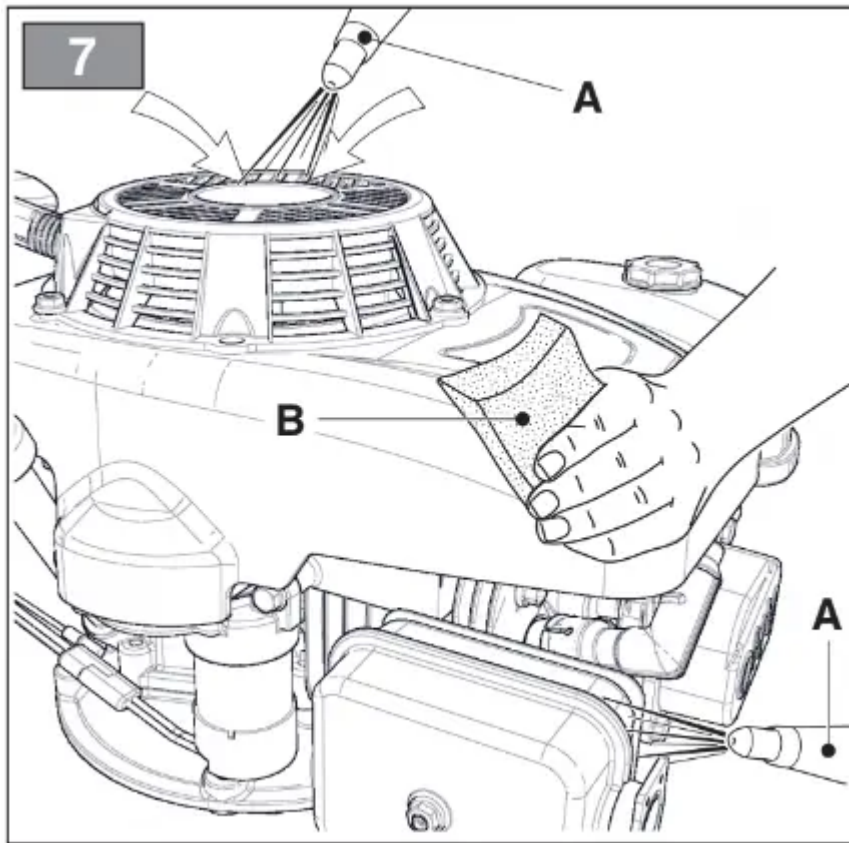


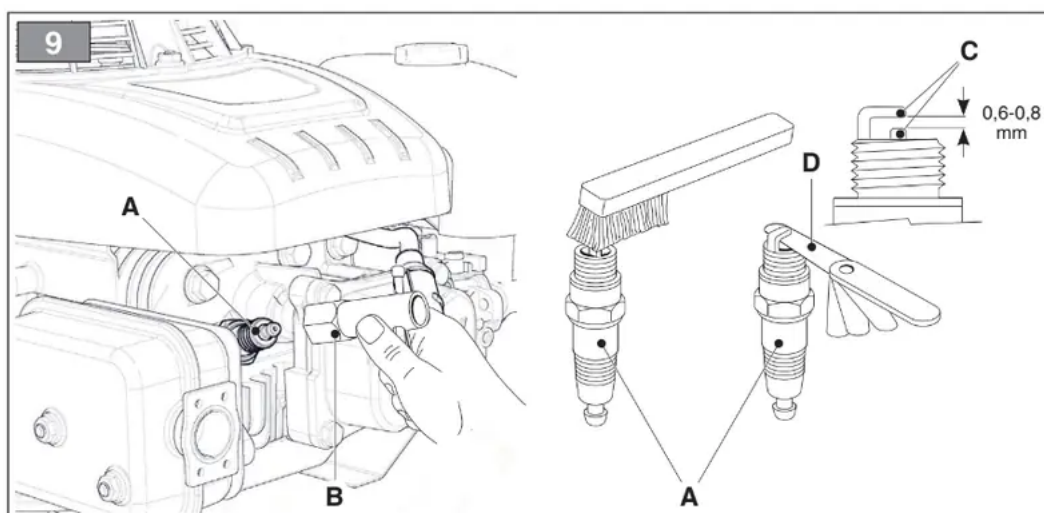
Translation of the original instruction











TECHNICAL DATA

[2] Fuel

[3] Engine oil

[4] Oil capacity

[5] Spark plug

[6] Electrode gap

[7a] CO₂

[7b] This CO₂ measurement results from testing over a fixed test cycle under laboratory conditions a(n) (parent) engine representative of the engine type (engine family) and shall not imply or express any guarantee of the performance of a particular engine.


GENERAL INFORMATION

HOW TO READ THIS MANUAL

Some of the paragraphs in this manual contain particularly important information in terms of safety and operation, and are highlighted differently, according to the following criteria:

NOTE or IMPORTANT this paragraph provides details or further information on what has already been said, with the aim of preventing damage to the machine or other damage.



The  symbol represents a danger. Failure to observe the warning can lead to possible personal and/or third party injury and/or damage.

REFERENCES

Figures

The figures in these instructions for use are numbered 1, 2, 3, and so forth. The components identified in the figures are marked with letters A, B C and so forth. A reference to component C in

figure 2 is represented by: “See fig. 2.C” or simply “(Fig. 2.C)”. The figures are provided by way of example. The effective prices can vary in comparison to the ones provided here.

Titles

The manual is arranged in chapters and paragraphs. The title of paragraph “2.1 Training” is a sub-title of “2. Safety regulations”. The references to titles or paragraphs are marked with the abbreviation chap. or par. and the relative number. Example: “chap. 2” or “par. 2.1”

SAFETY REGULATIONS

TRAINING



Read these instructions carefully before using the machine.



Familiarise with the controls and with appropriate use of the machine. Learn how to stop the engine quickly. Failure to observe warnings and instructions can cause fires and/or serious injury. Keep all warnings and instructions safe for future reference

- Never allow the machine to be used by children or individuals who are not familiar with the instructions. Local laws may establish a minimum age for users.
- Never use the machine if the user is tired or unwell, or has taken medication, drugs, alcohol or substances that impair reflexes and concentration.
- Remember that the operator or user is responsible for accidents and unexpected events that can occur to other people or property.

PRELIMINARY OPERATIONS

Personal Protective Equipment (PPE)

- Never use the machine without wearing suitable clothing.
- Never wear loose clothing, laces, jewellery or other objects that can get caught; tie back long hair and maintain the safety distance at start-up.
- Wear noise cancelling headphones.

Work / Machine Area

- Before starting the engine ensure that all of the controls operating the moving parts of the machine are disconnected.

Internal combustion engine: fuel

Warning: the fuel is highly flammable. Handle with care!

- Always store the fuel in suitable containers.
- Fill up or top up using a funnel, only outdoors and never smoke during these operations.

- Fill up before turning the engine on. Never open the tank cap or fill up when the engine is running or still warm.
- If any fuel spills out do not start the engine, rather, move the machine away from the spillage and immediately clean up every trace of fuel that has spilled on to the machine or ground.
- Firmly screw the fuel container tank cap back on.
- Avoid getting any fuel or your clothing and, if this should happen, change your clothes before starting the engine.

DURING USE

Work Area

- Do not use the machine in environments that pose the risk of explosion, in the presence of flammable liquids, gases or powders. Electrical contact or mechanical rubbing can generate sparks that can ignite powder or vapour.
- Do not operate the engine in confined spaces where dangerous carbon monoxide fumes can collect. The start-up operations must be carried out outdoors or in a well-ventilated area. Always remember that the exhaust gases are toxic.
- Keep people, children and animals away from the work area. Children must be supervised by another adult.

Conduct

- Before making repairs, cleaning, performing inspections, adjustments, turn the engine off and disconnect the spark plug cable (unless explained otherwise in the instructions).
- Do not touch the parts of the engine that heat up during operation. Risk of burns.

Restrictions of use

- Do not use the machine if there are not enough protections or if the safety devices are not set up correctly.
- Do not disconnect or tamper with the installed safety systems.
- Do not change the engine adjustments, or exceed the maximum rpm. If the engine is forced to run at an excessive speed, the risk of personal injury increases.
- Do not use starter fluids or other similar products.
- Do not tilt the machine onto its side to the point where fuel leaks from the fuel tank cap.
- Do not crank the engine without spark plug

MAINTENANCE, STORAGE, AND TRANSPORT

Servicing the machine on a regular basis and correct storage maintain machine safety.



Broken or worn parts must be replaced and never repaired. Only use original parts: using parts that are not original or installed incorrectly affects machine safety, and can therefore cause accidents or personal injury and relieve the Manufacturer of all obligations and liability.

Maintenance

- If the tank can be emptied, perform this operation outdoors and when the motor is cold.
- To reduce the risk of fire, check for oil and/or fuel leaks on a regular basis.

Storage

- Never leave fuel in the tank if the machine is stored in a building where the fuel vapours can come into contact with open flames, sparks or sources of heat.
- Let the machine cool down before storing it indoors.

Transport

- Transport the machine with an empty tank.

ENVIRONMENTAL PROTECTION

Protecting the environment must be a significant and top priority for machine use, to the benefit of civil co-habitation and of the environment that we live in.

- Avoid being an element of disturbance to the surrounding area.
- Follow local regulations closely for the disposal of packaging, oils, fuels, filters, worn parts or any element that strongly impacts the environment; this waste must not be disposed of with regular waste, but must be separated and taken to collection centres, who will recycle the materials.
- At the time of decommissioning, do not leave the machine in the environment, rather, contact a collection centre, in accordance with local regulations in force.

EMISSIONS

The combustion process generates toxic substances such as carbon monoxide, nitrogen oxides and hydrocarbons. It is important to control these substances because they can react with photochemical smog as well as with direct exposure to sunlight. Carbon monoxide does not react in the same way to exposure to sunlight but it must still be considered toxic.

Our machines are equipped with emission reduction systems for the substances mentioned above.

ABOUT THE MACHINE

MACHINE DESCRIPTION AND INTENDED USE

This machine is a spark-ignition engine. Engine performance, reliability and life are influenced by many factors, some external and some strictly associated with the quality of the employed products and with the scheduled maintenance. Additional information is provided below for greater

awareness of your machine. Any other use that does not comply with the above, can be dangerous and cause damage to people and/or property.

IMPORTANT Improper use of the machine causes the warranty to lapse and relieves the Manufacturer of any liability, placing all responsibility for damage or injury, to him/ herself or third parties, on the user.

Type of users

This machine is intended for use by consumers, i.e. non-professional operators. It is intended for "hobby-related activities"

SAFETY SIGNS

There are various symbols on the machine. Their function is to remind the operator of the correct conduct for use, with due care and caution. Meanings of the symbols:



ATTENTION! The muffler may be very hot. Do not touch.



ATTENTION! Top up the oil until it reaches the «MAX» level. Do not exceed the «MAX» level.

IDENTIFICATION LABEL

Write the serial number (S7n) of your machine on the space provided on the label at the back of the cover.

ENGINE COMPONENTS

The machine is comprised of the following main parts (fig. 1).

- A. Oil filler cap with dipstick
- B. Carburettor
- C. Air filter cover
- D. Spark plug cap
- E. Engine code

ENVIRONMENTAL CONDITIONS

The operation of a four-stroke endothermic engine is affected by:

a) Temperature:

- When operating at low temperatures cold starts may be difficult.

- When operating at very high temperatures warm starts may be difficult due to evaporation of the fuel in the float chamber of the carburettor or in the pump.
- In any case the right kind of oil must be used, according to the operating temperatures.

b) Altitude:

- The higher the altitude above sea level, the lower the max power developed by an endothermic engine.
- When there is a considerable increase in altitude, the load on the machine should be reduced and particularly heavy work avoided.

FUEL

A good quality fuel is the major issue for the engine reliability of operation.

Fuel must meet these requirements:

- a) Use clean, fresh unleaded gasoline, with a minimum of 90 octane.
- b) Do not use fuel formulated with ethanol greater than 10%.
- c) Do not add oil.
- d) To protect the fuel system from gum formation, mix a fuel stabilizer into the fuel.

Use of unapproved fuels will cause damage to engine components, which will not be covered under warranty.

NOTE Only use the fuel named in the technical data table. Do not use other types of fuel. It is possible to use ecological fuels, such as alkylate petrol. The composition of this petrol has less of an impact on people and animals. No negative effects have been reported in connection to their use. Nonetheless, there are types of alkylate petrol on the market for which it is not possible to provide specific indications on their use.

OIL

Use always high quality oils, choosing their viscosity grade according to the operating temperature.

- Only use detergent oil with a quality of no less than SF-SG.
- Choose the SAE viscosity based on the technical data table.
- The use of multigrade oil can lead to greater consumption in hot weather, accordingly it is necessary to check the level more frequently.
- Do not mix oils of different brands and characteristics.
- SAE 30 oil, if used below +5°C, could result in possible engine damage due to inadequate lubrication.

AIR FILTER

The air filter must always be in perfect working order, to prevent debris and dust from getting sucked into the engine, reducing the efficiency and life of the machine.

- Always keep the filtering element free of debris and in perfect working order (par. 6.5).
- If necessary, replace the filtering element with an original spare part. Incompatible filtering elements can impair the efficiency and life of the engine.
- Never start the engine without mounting the filtering element properly.

SPARK PLUG

Not all the spark plugs for endothermic engines are the same.

- Use only spark plugs of the recommended type, with the right heat range.
- Check the length of the thread, because - if too long - it will damage the engine beyond repair.
- Make sure that the electrodes are clean and that their gap is correct (par. 6.6)

CONTROLS

ACCELERATOR CONTROL

This controls engine rpm.

The throttle trigger (generally a lever), fitted to the machine, is connected to the engine by a cable.

Consult the machine's Instructions Manual to identify the throttle trigger and its positions, usually marked by symbols, corresponding to:

- FAST = corresponds to maximum revs; to be used when working.
- SLOW = corresponds to minimum revs.
- CHOKE = to be used for cold starts (when applicable)

. TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SOLUTION
1. Difficulty starting the engine	No fuel	Check and top up (chap. 5.1.3)
	Old fuel or deposits in the fuel tank	Empty the fuel tank and add fresh fuel
	Incorrect starting procedure	Perform start-up correctly (par. 5.2 and par. 5.3)
	Disconnected spark plug	Ensure that the cap is fitted onto the spark plug (par. 5.1.4)
	The spark plug is wet or the spark plug electrodes are dirty or placed inadequately	Check (par. 6.6)
	Clogged air filter	Check and clean (par. 6.5)
	Incorrect oil for the season	Replace with suitable oil (par. 6.3)
	Fuel evaporation in the carburettor (vapor lock) due to elevated temperatures	Wait a few minutes then try starting it up again (par. 5.3)
	Carburation fault	Contact an Authorised Assistance Centre
Ignition problems	Contact an Authorised Assistance Centre	
2. Irregular operation	Dirty spark plug electrodes or incorrect gap	Check (par. 6.6)
	The spark plug cap inserted incorrectly	Ensure that the cap is firmly fitted on (par. 5.1.4)
	Clogged air filter	Check and clean (par. 6.5)
		Move it to «FAST»

	Throttle on «CHOKE» (if applicable)	
	Carburation fault	Contact an Authorised Assistance Centre
	Ignition problems	Contact an Authorised Assistance Centre
3. Loss of power during operation	Clogged air filter	Check and clean (par. 6.5)
	Carburation fault	Contact an Authorised Assistance Centre

If problems persist after implementing the solution, contact your Dealer.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.