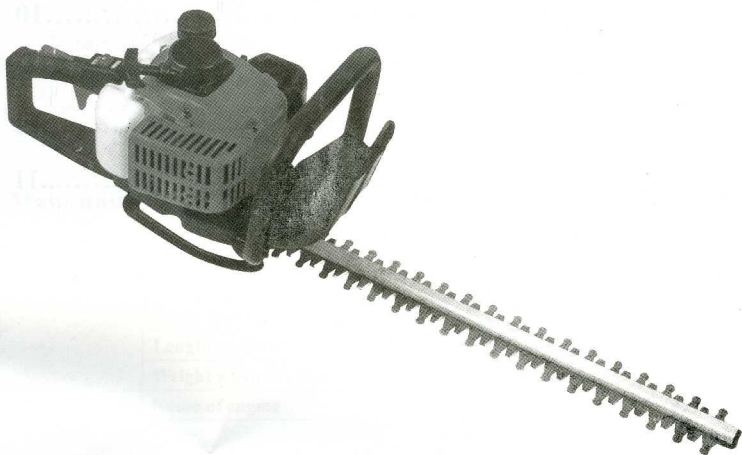




70949

Petrol Hedge Cutter



INSTRUCTION MANUAL

Please keep this instruction manual for future reference

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I. INTRODUCTION AND TECHNICAL DATA

MQE-SPK-510/600 hedge trimmers made by our company are a kind of engine-operated tools suitable for cutting and trimming of shrubbery or hedges. Nowadays they are well received by users owing to the advantages. With which not only the work efficiency can be increased but also the intensity of the work may be relieved.

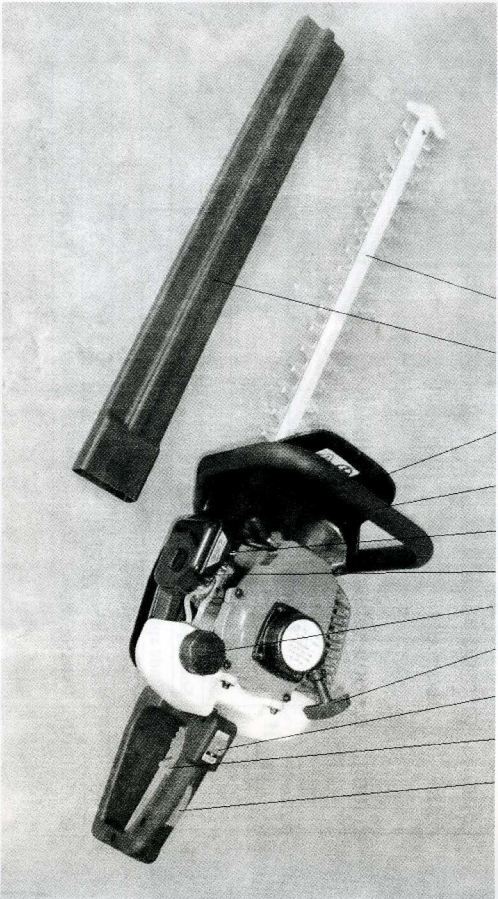
TECHNICAL DATA

Technical Data subject to changed without notice

MODEL	MQE-SPK-600
Remote type	Centrifugal Clutch
Maximum number of idle reciprocating motion of blades (/min)/engine speed (r/min)	1600/9000
Idle speed(r/min)	3000 ± 150
Vibration values at each handle(m/s ²)	≤ 15
Sound pressure values[dB(A)]	≤ 102
Sound power values[dB(A)]	≤ 111
Blade spacing	20mm
Length of blade	600mm
Weight when dry(kg)	5.0
Name of engine	1E32FL
Type	Air-cooled;2 cycle;vertical Piston valve;gasoline engine
Displacement(ml)	22.5
Maximum output(kW/r/min)	≥ 0.65/7500
Carburetor	Diaphragm-type
Ignition	Non-contact electronic ignition
Method of starting	Recoil type
Fuel used	Gasoline mixed with lubricating oil (ratio of 25-30:1)
Fuel tank capacity(L)	0.5

II. NAME OF COMPONENTS OF THE HEDGE TRIMMER

1. Cutter blades
2. Transport guard
3. Hand guard
4. Spark plug
5. Choke lever
6. Air filter
7. Fuel cap
8. Starter grip
9. Stop switch
10. Throttle trigger
11. Throttle trigger lock-out



III. SAFETY RULES & PRECAUTIONS

Proper safety precautions must be observed. Like all power equipment this unit must be handled carefully. **DO NOT EXPOSE YOURSELF OR OTHERS TO DANGER.** Follow these general rules. Do not permit others to use this machine unless they are trained in its operation.

1. Never allow children to use the machine;
2. Avoid operating while people, especially children are nearby;
3. Dress properly! Do not wear loose clothing or jewellery which can be caught in moving parts. Use of sturdy gloves, non-skid footwear, and safety glasses is recommended;
4. Stop the engine or disconnect from mains before:
 - a. cleaning or when clearing a blockage;
 - b. checking, maintenance or working on the machine.
5. While operating the machine always be sure of a safe and secure, operating position especially when using steps or a ladder;
6. Do not operate the machine with a damaged or excessively worn cutting device;
7. To reduce fire hazard keep engine and silencer free of debris, leaves, or excessive lubrication;
8. **DO NOT USE** any attachment with this power head other than the ones recommended by our company. Serious injury to the operator or bystanders could result as well as damage to the machine.
9. Always use proper handles and shoulder strap when cutting.
10. Never start or run the engine inside a closed room or building. Fumes from the exhaust contain dangerous carbon monoxide.
11. Never attempt to make engine adjustments while the unit is running and strapped to the operator. Always make engine adjustments with the unit resting on a flat, clear surface.
12. Do not use the unit if it is damaged or poorly adjusted.

Never remove the machine's guard. Serious injury to the operator or bystanders could result as well as damage to the machine.

13. Never leave the machine unattended.

14. Do not use this unit for any job other than those for which it is intended as described in this manual.

Ensure safe and proper performance of your product. These parts are available from your dealer. The use of any other accessories or attachments may cause a potential hazard or injury to the user, damage to the machine and void this warranty.

Clean the machine completely, especially, the fuel tank, its surroundings, and the air cleaner.

15. When ever approaching an operator of the machine, carefully call his attention and confirm that the operator stop the engine. Be careful not to startle or distract the operator which can cause an unsafe situation.

16. The engine should be turned off when the machine is moved between work areas.

17. In start-up or during operation of the engine, never touch hot parts such as the muffler, the high voltage wire or the spark plug.

18. After the engine has stopped, the muffler is still hot. Never place the machine in any places where there are flammable materials (dry grass, etc.), combustible gasses or combustible liquids.

19. Pay special attention to operation in the rain or just after the rain as the ground may be slippery.

20. If you slip or fall to the ground or into a hole, release the throttle lever immediately.

21. Be careful not to drop the machine or hit it against obstacles.

22. Before proceeding to adjust or repair the machine, be sure to stop the engine and detach the spark plug.

23. Keep the machine away from fire or sparks.

24. It is believed that a condition called Raynaud's phenomenon, which affects the fingers of certain individuals may be brought about by exposure to vibration and cold. Loss of color and numbness in the fingers. The following precautions are strongly recommended because the minimum exposure which might trigger the ailment is unknown.

25. Keep your body warm, especially the head, neck, feet, ankles, hands and wrists.

26. Maintain good blood circulation by performing vigorous arm exercises during frequent work breaks and also by not smoking.

27. Limit the hours of operation. Try to fill each day with jobs where operating the brush cutter or other hand-held power equipment is not required.

28. If you experience discomfort, redness and swelling of the fingers followed by whitening and loss of feeling, consult your physician before further exposing yourself to cold and vibration.

29. Always wear ear protection, loud noise for long time can make hearing debase even lost hearing.

30. Total face and head protection must be wear to prevent damage from plummet or branch.

31. Wear no-slip heavy duty work gloves to improve your grip on the brush cutter handle. Gloves also reduce the transmission of machine vibration to your hands.

32. Always ensure all handles and guards are fitted when using the machine. Never attempt to use an incomplete machine or one fitted with an unauthorized modification;

33. When transporting or storing the machine always fit the cutting device guard;

34. Always be aware of your surroundings and stay alert for possible hazards that you may not hear due to the noise of the machine.

IV. FUEL HANDLING

1. Petrol

Use unleaded or quality leaded petrol.

The lowest recommended octane rating is 90. If you run the engine on a petrol with a lower octane rating than 90 so-called "knocking" can occur.

This leads to an increased engine temperature. Which can result in a serious engine breakdown.

2. Two-stroke oil

For the best results use PARTNER two-stroke oil, which has been specially produced for trimmers. Mixing ratio 1:50 (2%).

If PARTNER two-stroke oil is not available you can use a high quality two-stroke oil intended for air cooled engines. Contact your dealer when selecting an oil. Mixing ratio: 1:33(3%)-1:25(4%).

Never use two-stroke oil intended for water cooled outboard motor oil.

Never use oil intended for four-stroke engines.

3. Mixture

Always mix petrol and oil in a clean container intended for petrol.

Always start by filling half the quantity of petrol required. Then add the entire oil quantity.

Mix (shake) the fuel mixture. Fill the remaining quantity of petrol.

Mix (shake) the fuel mixture carefully before filling in the machine's fuel tank.

Do not mix fuel for more than approx. 2 months use.

If the trimmer is not used for a long period of time, the fuel tank should be emptied and cleaned.

Clean around the fuel cap. Contamination in the tank can disrupt operations.

Ensure that the fuel is well mixed by shaking the container before filling the tank.

Keep the handles free from oil and fuel.

Do not smoke while mixing fuel or filling tank.

Do not mix fuel in an enclosed room or near open flames. Assure adequate ventilation.

Always mix and store the fuel in a properly marked container that is approved by local codes and ordinances for such usage.

Never remove the fuel tank cap while the engine is running.

When refueling, be sure to stop the engine and confirm that it is cooled down.. Never refuel when the engine is running or hot.

When gasoline spills, be sure to wipe it up completely dispose of those materials before starting the engine.

V. PREPARING FOR OPERATION

For your protection always wear work gloves, long pants, a long sleeved shirt, shoes, and safety glasses when operating the trimmer. Also, always operate the trimmer using both hands.

Warning

POTENTIAL HAZARD

- It is possible to attempt to use the trimmer with only one hand.

WHAT CAN HAPPEN

- Operating trimmer with only one hand could cause serious personal injury.

HOW TO AVOID THE HAZARD

- Always use both hands when operating the trimmer.

Warning

POTENTIAL HAZARD

- Trimmer has sharp blades.

WHAT CAN HAPPEN

- Contact with moving trimmer blades can cause serious personal injury or damage.

HOW TO AVOID THE HAZARD

- Stay alert and watch what you are doing.
- Do not operate trimmer when you are fatigued or under the influence of drugs, alcohol or medication.
- Do not operate trimmer if the guard is missing or damaged.
- Do not use the guard as a gripping surface.
- Do not use the trimmer with only one hand.
- If using a ladder, take care not to over reach, unbalancing yourself.

Warning

POTENTIAL HAZARD

- The operation of any hedge trimmer can result in foreign objects being thrown into your eyes or bystander's eyes.

WHAT CAN HAPPEN

- Contact with thrown objects can cause severe eye damage.

HOW TO AVOID THE HAZARD

- Always wear safety goggles, safety glasses with side shields, or a full face mask during operation. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields.
- Keep all bystanders and pets away from the area of operation.

VI. START AND STOP

1. Control before starting

Check that the trimmer blade and the trimmer guard are not damaged or cracked. Replace the trimmer blade or trimmer guard if it has been exposed to impact or if it is cracked. Make sure that no unauthorized persons are in the working area, otherwise there is a risk of serious personal injury. The safety distance is 15 meters.

2. Cold engine

IGNITION:

Set the stop switch to the start position.

CHOKE:

Set the choke control in the Z position.

-Press the primer bulb 6 times.

-Pull starter rope until engine run.

-Push Choke to Ξ position.

-Allow engine to run 3-5 minute, then keep trigger fully squeezed until engine runs smoothly.

3. Warm engine

IGNITION:

Set the stop switch to the start position.

CHOKE:

Set the choke control in the Ξ position.

-Pull starter rope sharply until engine run, but no more than 5 pulls.

-Keep trigger fully squeezed until engine runs smoothly.

4. Stop

Loose trigger, then set the stop switch to "STOP" position.

VII. TRIMMING A HEDGE

1. Hold the trimmer with both hands and with the blade away from you before squeezing the trigger.
2. Push the Lock-off button and squeeze the trigger.
3. Trim the hedge.
4. When finished, release the trigger, then set the stop switch to "STOP" position.
5. Cover the blade with the sheath.

Warning

POTENTIAL HAZARD

- When trimmer is in operation, sharp parts are moving.

WHAT CAN HAPPEN

- Any part of the body coming in contact with moving parts could result in serious personal injury.

HOW TO AVOID THE HAZARD

- Keep hands and fingers away from moving parts.

VIII. TRIMMING TECHNIQUES

- If desired, you can use a string to help cut your hedge lever. Decide how high you want the hedge. Then, stretch a piece of string along the hedge at this height. Trim the hedge just above this guide line of string.
- Do not try to trim hedges which are above your normal reach. You must hold the trimmer with both hands at all times while operating.
- Trim the side of a hedge so that it will be slightly narrower at the top. More of the hedge will be exposed when shaped this way and its growth will be more uniform.
- When trimming new growth, use a wide, sweeping action so

that the stems are fed directly into the cutter blade. Older growth will have thicker stems and will be trimmed easiest by using a sawing movement.

- Do not try to cut stems that are larger than 3/8 inch. thick or those obviously too large to feed into the cutter blade. Use a non-powered hand saw or pruning saw to cut the larger stems.

IX. STORE

Do not store in a closed area where fuel vapors can reach an open flame from hot water heaters, furnaces, etc. Store in a locked, well ventilated area only.

When the machine is placed in storage for a long time, drain fuel from the fuel tank and carburetor, clean the parts, move the machine to a safe place and confirm that the engine is cooled down.

X. MAINTENANCE

Below follow some general maintenance instructions. If you need further information please contact your service workshop.

Daily maintenance

1. Clean the outside of the trimmer.
2. Check that the stop switch functions.
3. Clean the air filter.
Replace if necessary.
4. Check guards for damage and ensure that they are not cracked. Replace the guards if they have been exposed to impact or are cracked.
5. Check that the trimmer blade is undamaged and not cracked. Replace the trimmer blade if necessary.

ROLSON TOOLS LTD

DECLARATION OF CONFORMITY

We, the importer
Rolson Tools Ltd.
ADD: Rolson House (Orchard House), London Road, Ruscombe, Iwyford, Berkshire, RG10 9HJQ

Declare that the product :
70949 Petrol Hedge Cutter

are in conformity with the following references to the specification under which conformity is declared.

THE LOW VOLTAGE DIRECTIVE (DIRECTIVE 73/23/EEC)
THE EMC DIRECTIVE (DIRECTIVE 89/336/EEC)
THE MACHINERY DIRECTIVE (DIRECTIVE 89/392/EEC)

ROLSON TOOLS LTD.
SIGN



6. Check that all nuts and screws are tightened.
- Weekly maintenance**
1. Check the starter, the starter cord and the return spring.
 2. Make sure that the vibration damping elements are not damaged.
 3. Clean the outside of the spark plug. Remove and check the electrode gap. Adjust the gap to 0.5 mm or change the spark plug.
 4. Clean the cooling fins on the flywheel.
 5. Clean or replace the spark arrest screen on the silencer.
 6. Clean the carburetor area.
 7. Clean the cooling fins on the cylinder and check that the air intake in the starter unit is not blocked.
 8. Clean the air filter.
- Monthly maintenance**
1. Clean the fuel tank using petrol.
 2. Clean the carburetor and the area surrounding it.
 3. Check the fuel filter and the fuel pipe, replace if necessary.
 4. Check all cables and connections.
 5. Change the spark plug.

WARNING!

Do not attempt to repair the machine unless you are qualified to do so;

Pay attention to loosening and overheating of parts. If there is any abnormality of the machine, stop operation immediately and check the machine carefully. If necessary, have the machine serviced by a authorized dealer. Never continue to operate a machine which may be malfunctioning.

Make periodic inspections to assure safe and efficient operation. For a thorough inspection of your machine, please contact a dealer.