

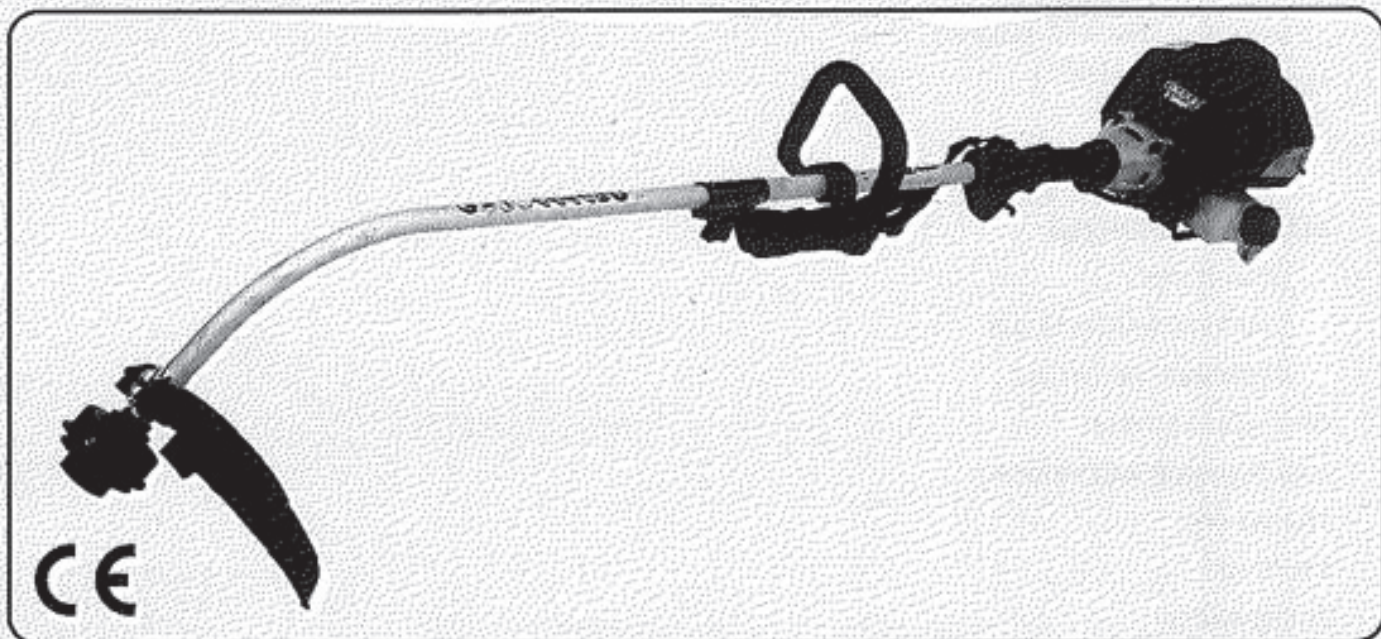


INSTRUCTIONS FOR 25cc Petrol Line Trimmer

Stock No.31087

Part No.GTP27

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

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DECLARATION OF CONFORMITY

We:
Draper Tools Ltd.,
Hursley Road,
Chandler's Ford,
Eastleigh, Hampshire.
SO53 1YF
England.

Declare under our sole responsibility that the product:

Stock No:- **31087.**

Part No:- **GTP27.**

Description:- **25cc Petrol Line Trimmer.**

To which this declaration relates is in conformity with the following directive(s)
2004/108/EC, 97/68/EC, 2006/42/EC, 2000/14/EC.

J.N. Draper
Chairman

05/02/2013



GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF, England.

Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

A proof of purchase must be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee period covering parts/labour is 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase. The guarantee is extended to 24 months for parts only. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

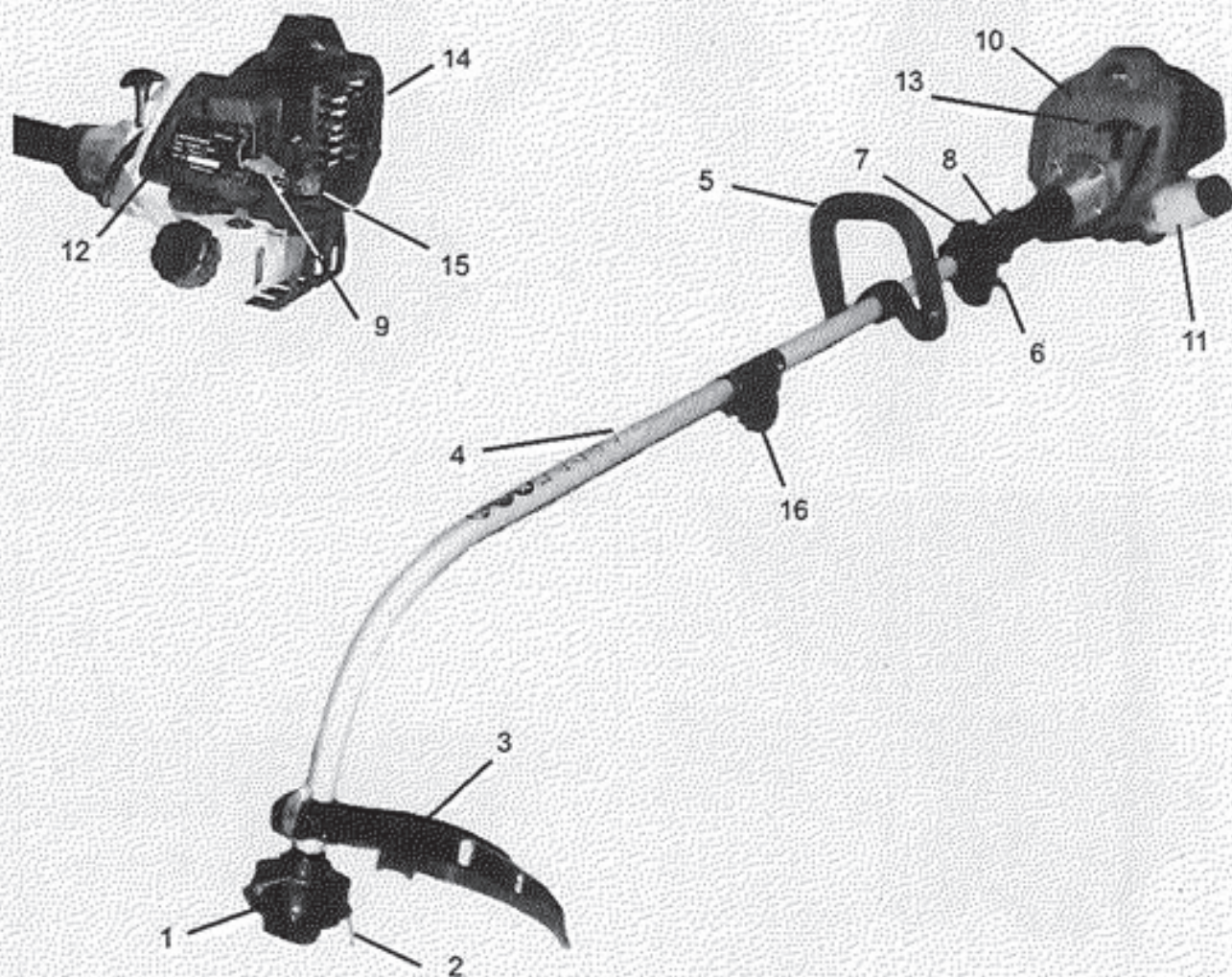
This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

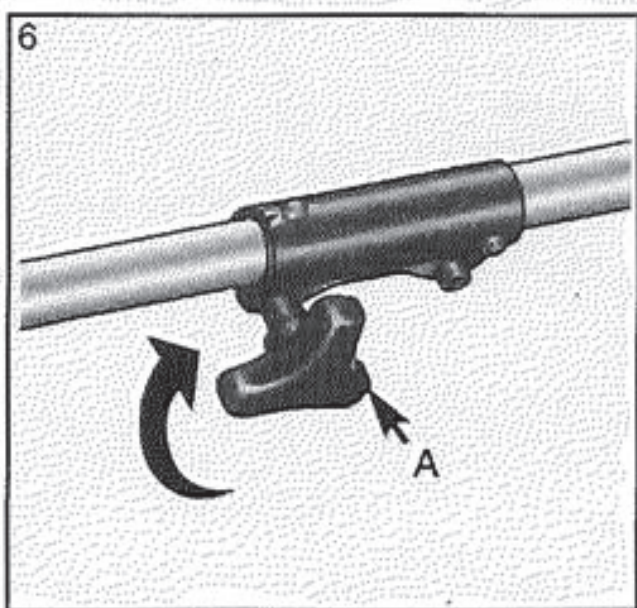
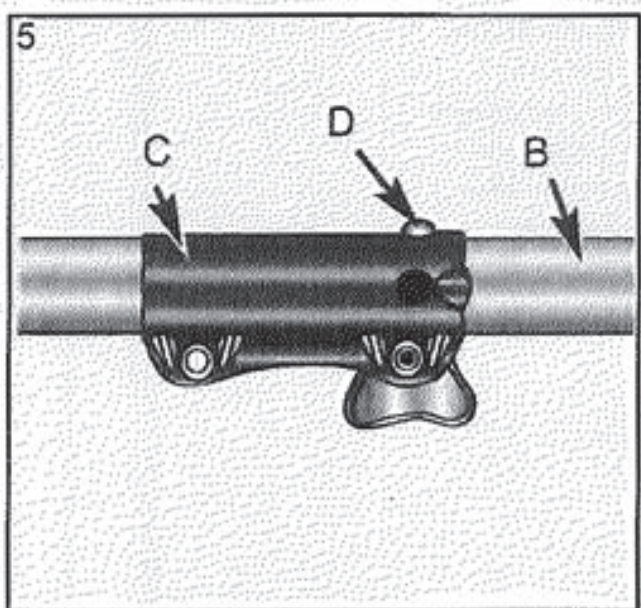
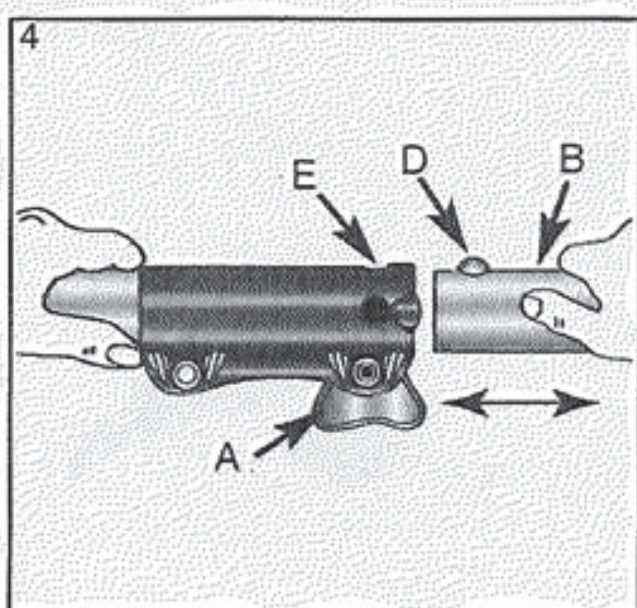
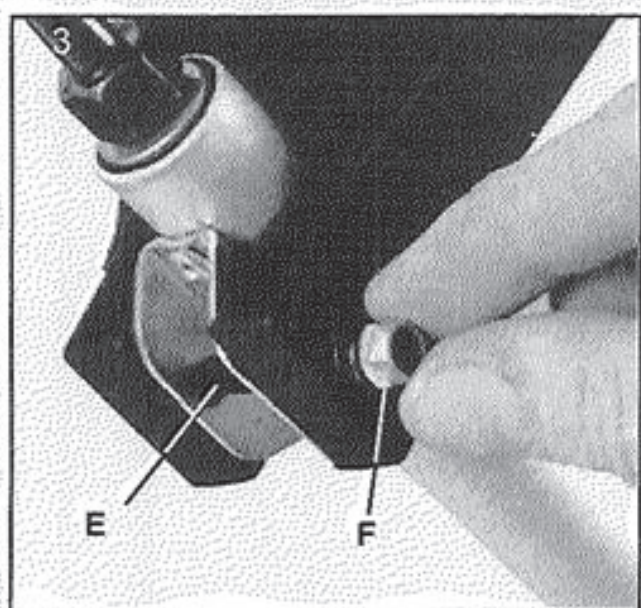
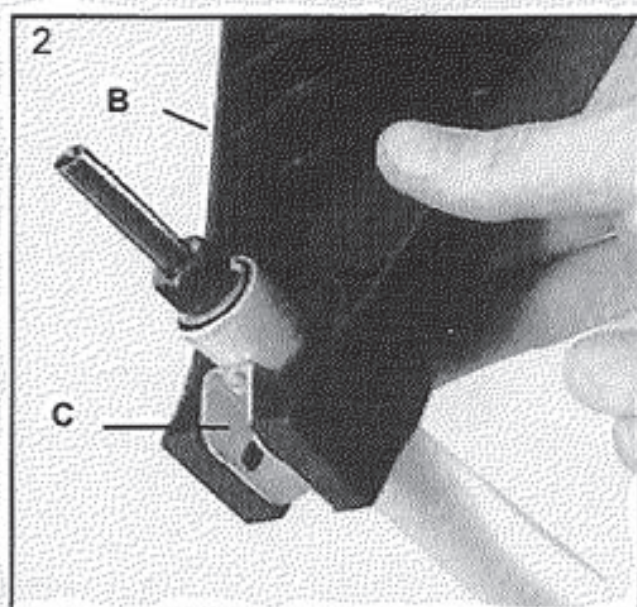
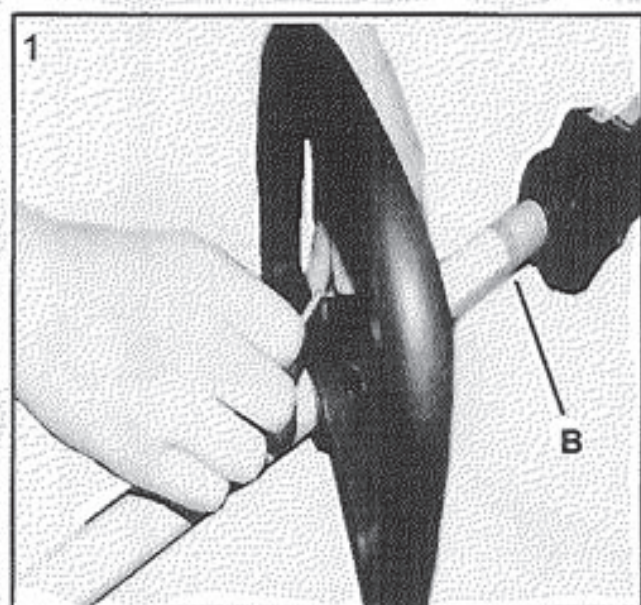
Draper Tools Limited.

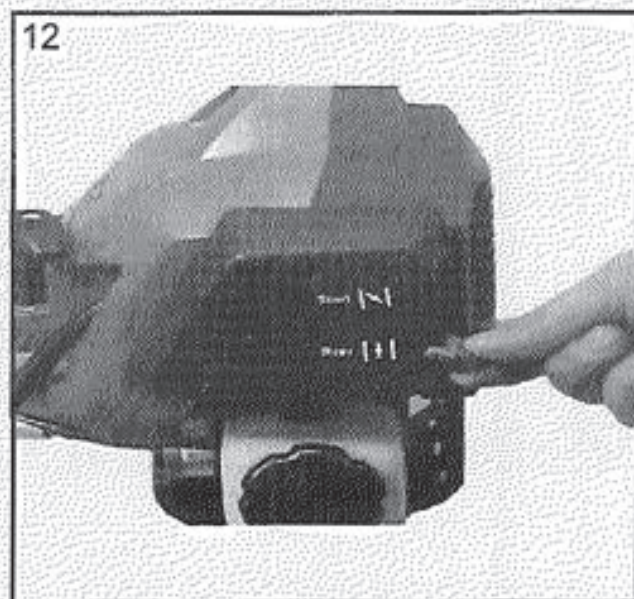
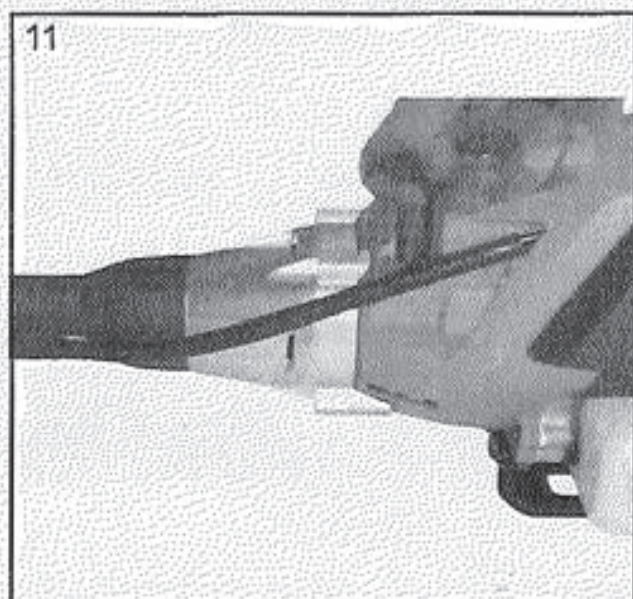
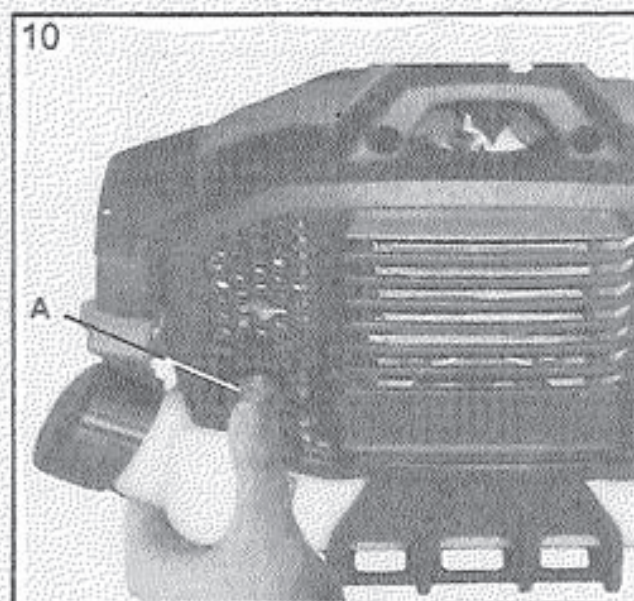
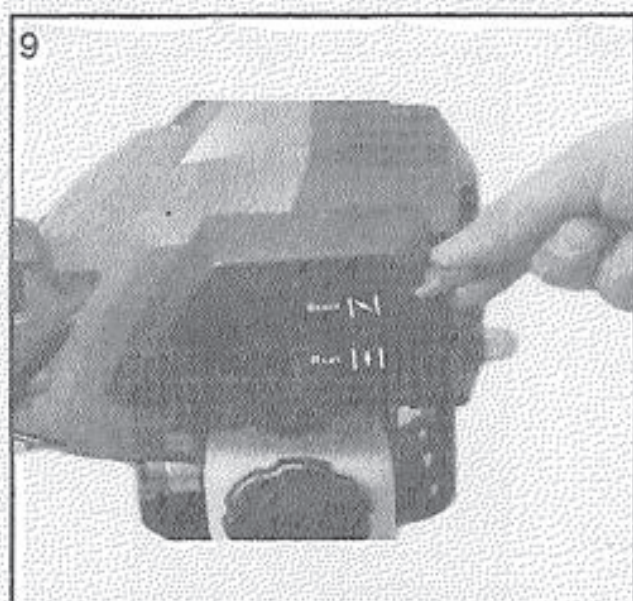
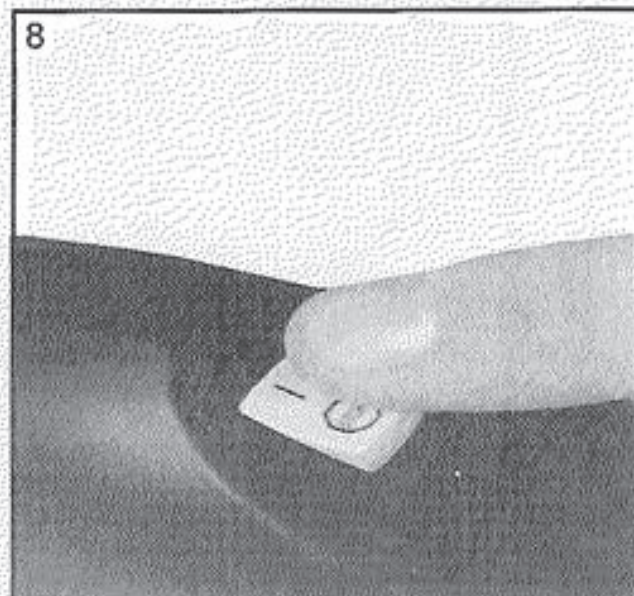
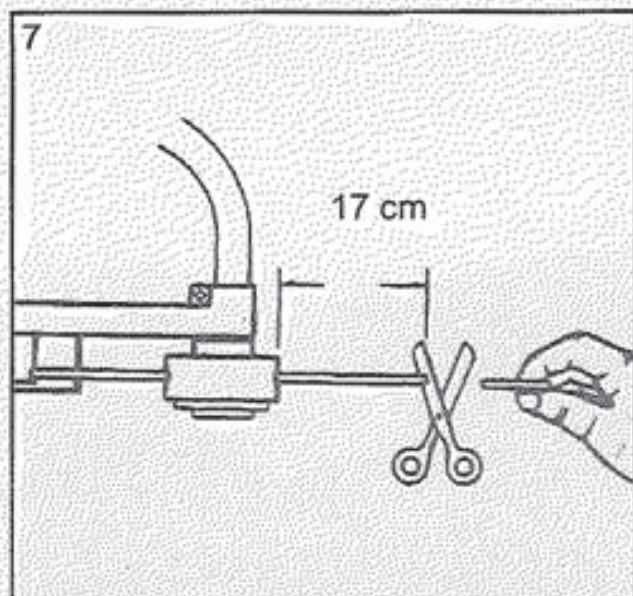
LIST OF COMPONENTS

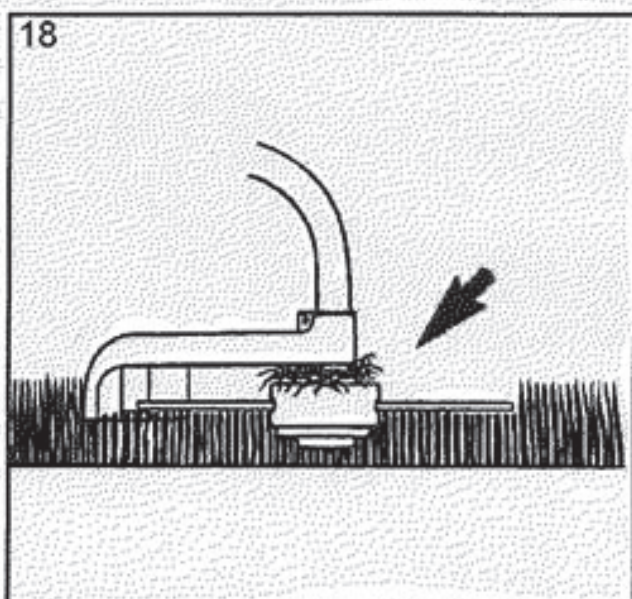
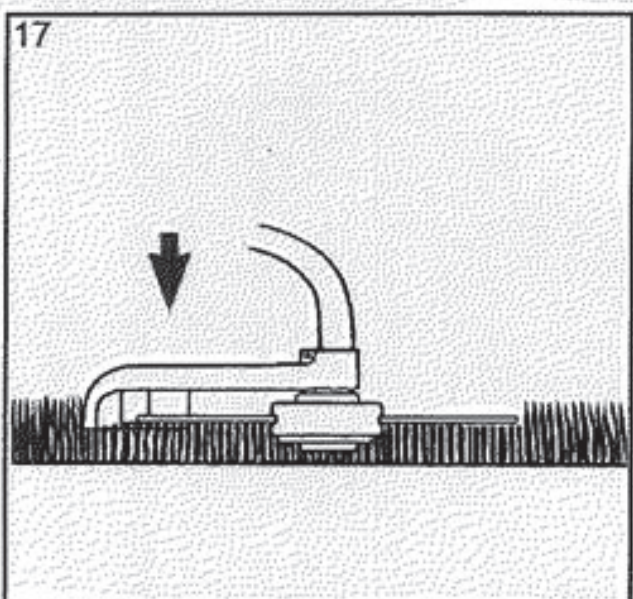
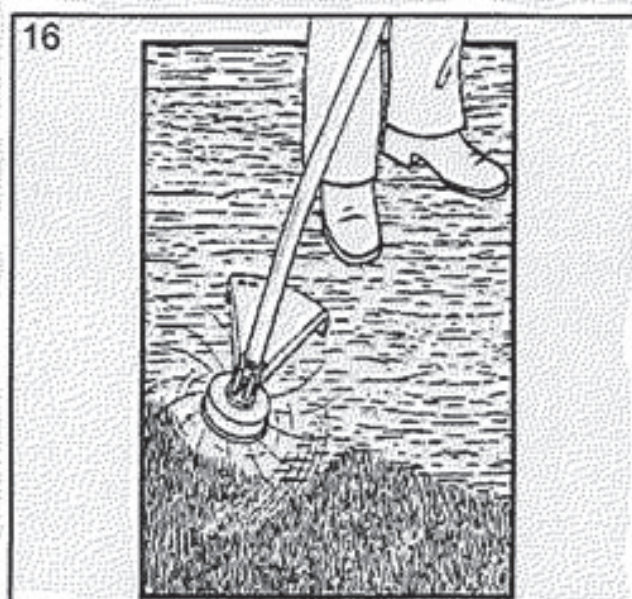
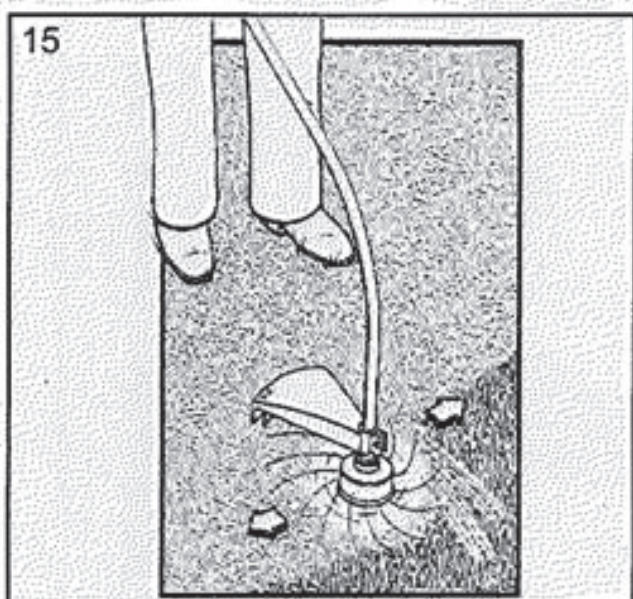
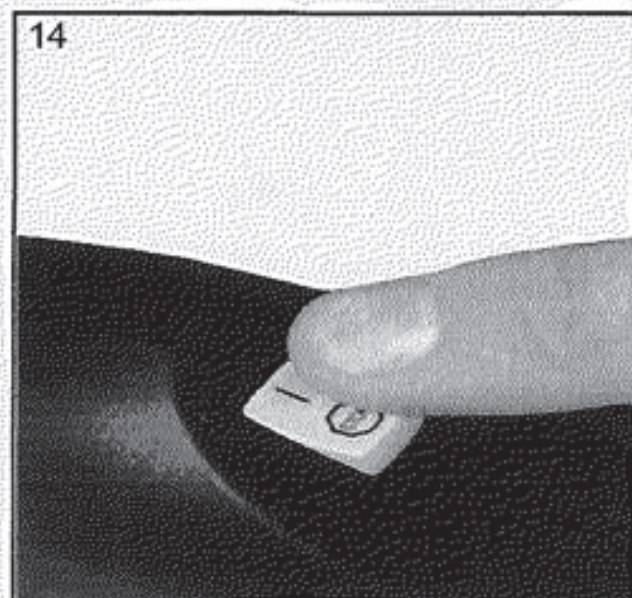
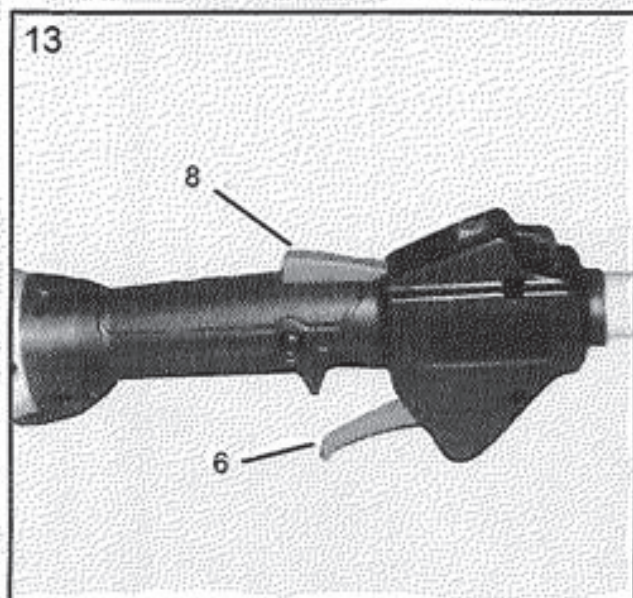


- 1. Cord cutting head
- 2. Cutting cord
- 3. Protection cover
- 4. Shaft
- 5. Handle
- 6. Throttle lever
- 7. Ignition switch
- 8. Locking lever

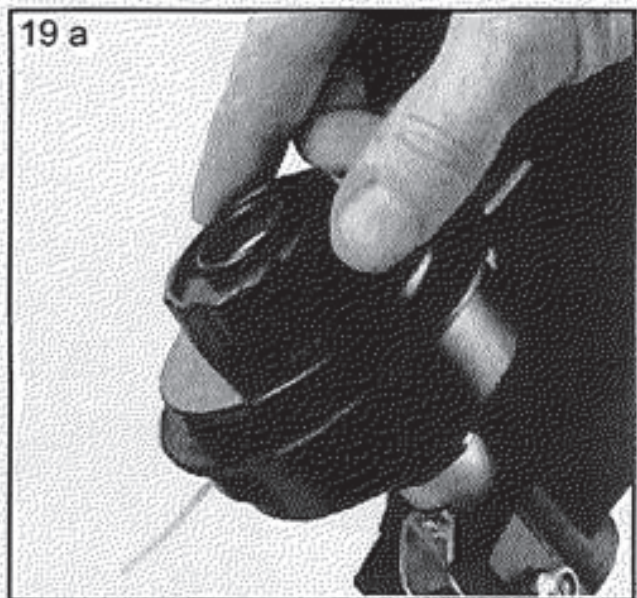
- 9. Choke
- 10. Starter housing
- 11. Fuel tank
- 12. Air filter housing
- 13. Starter handle
- 14. Silencer cover
- 15. Fuel pump
- 16. Shaft coupling



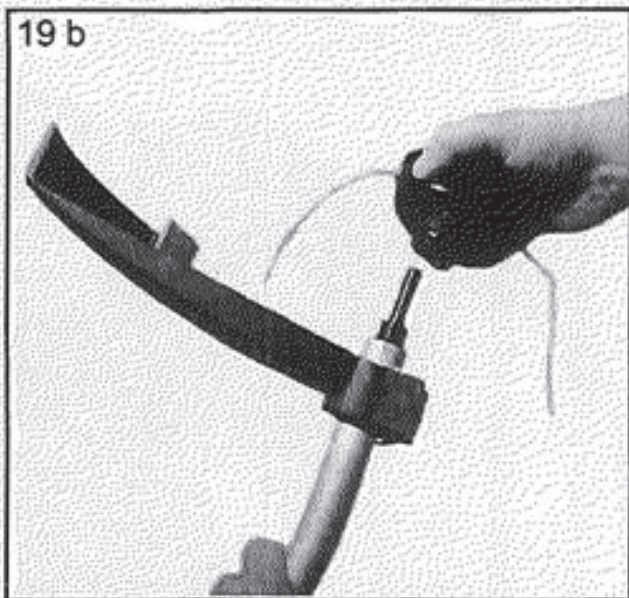




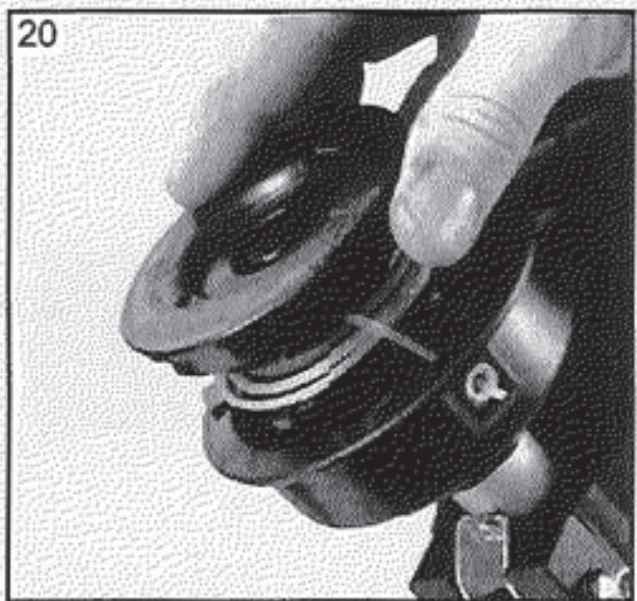
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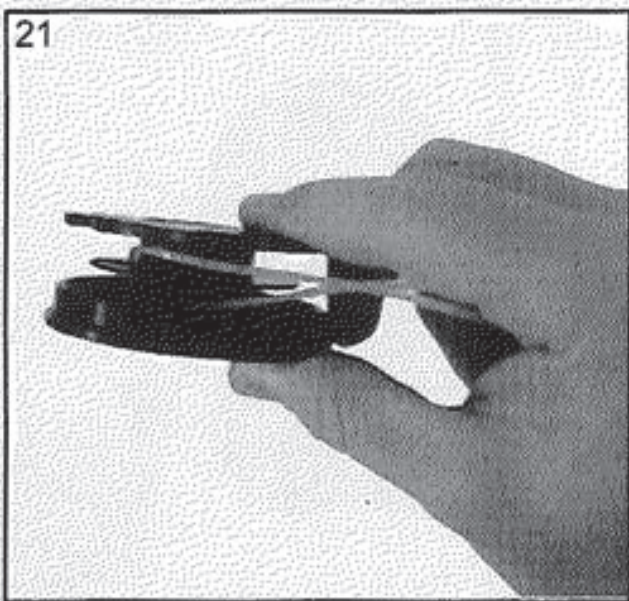
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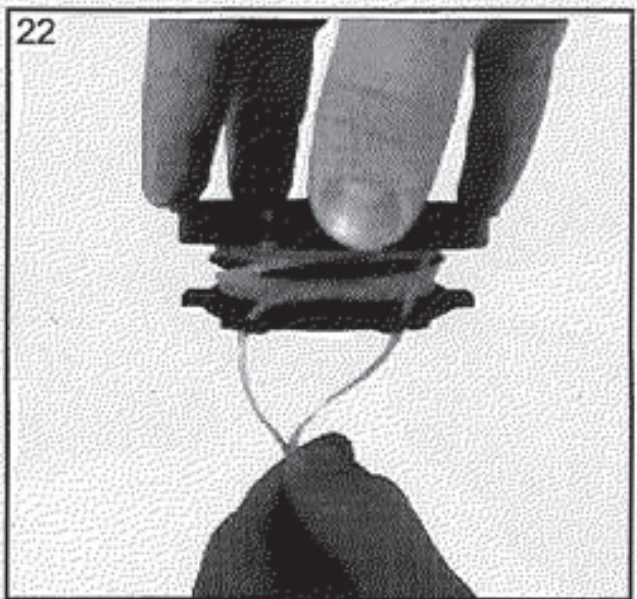
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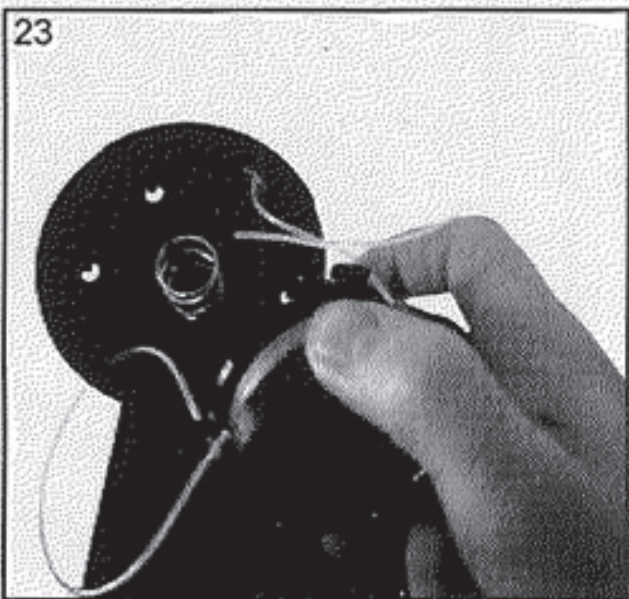
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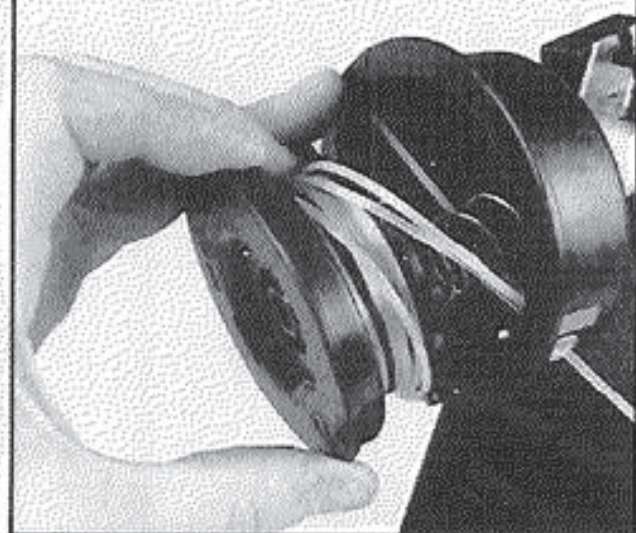
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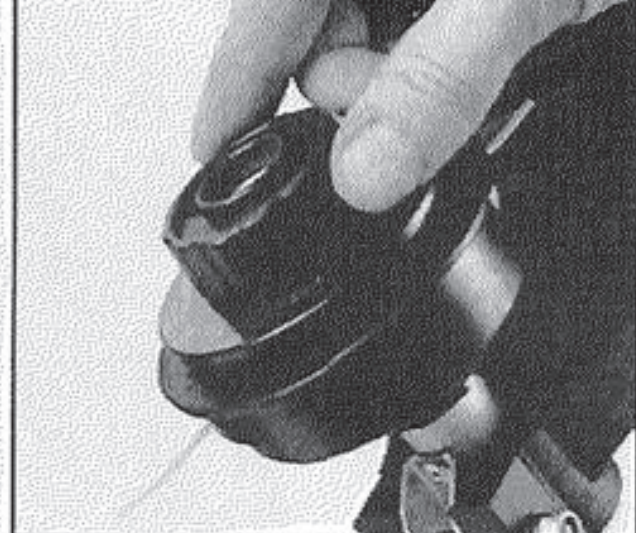
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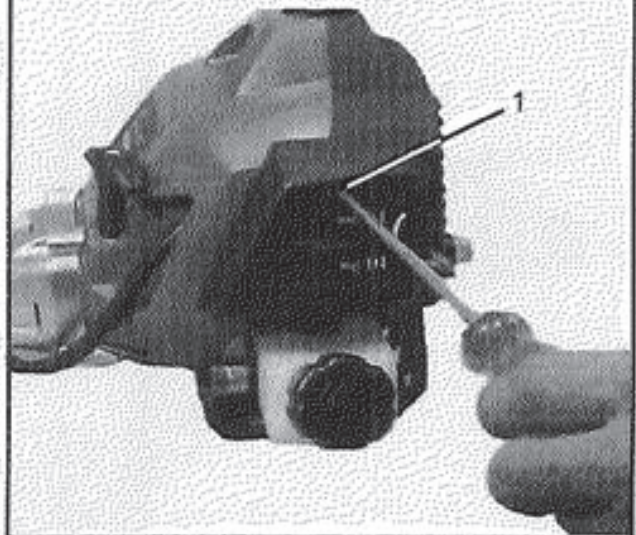
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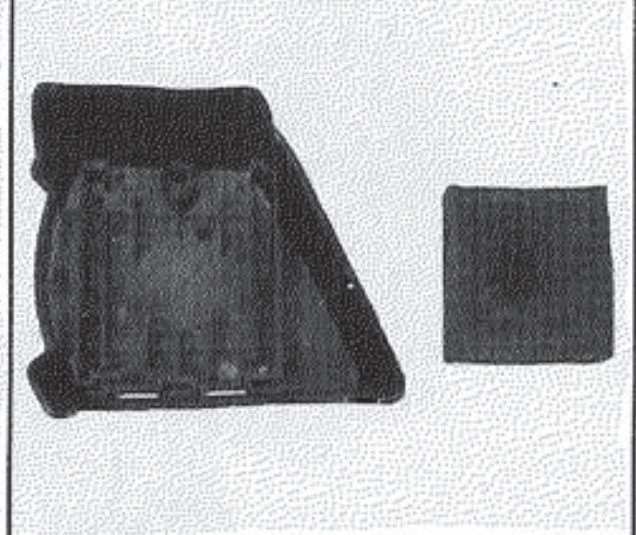
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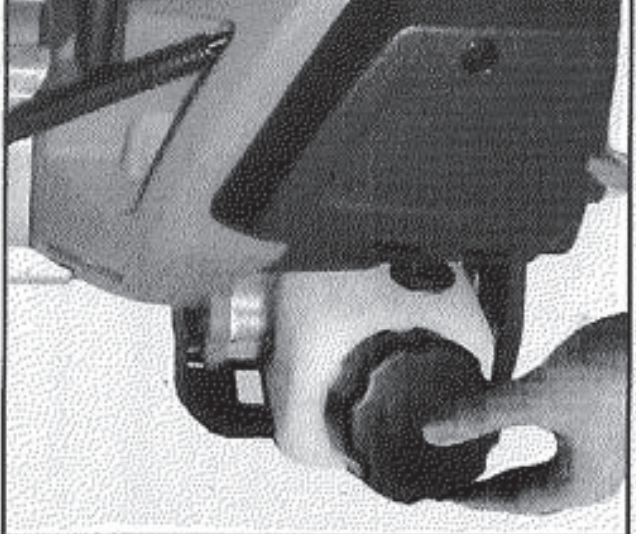
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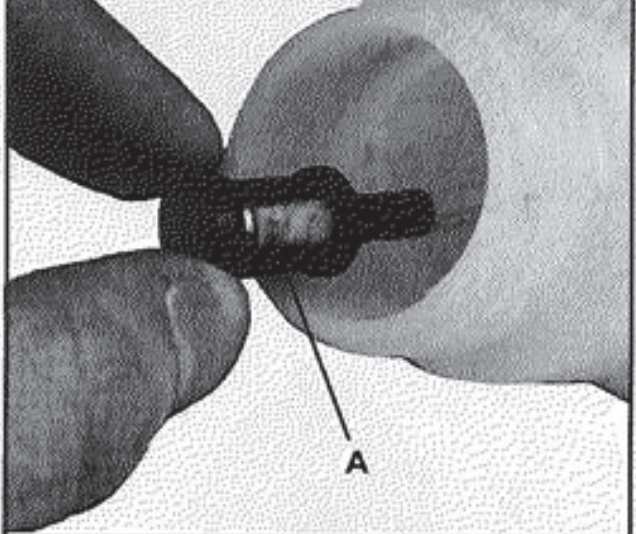
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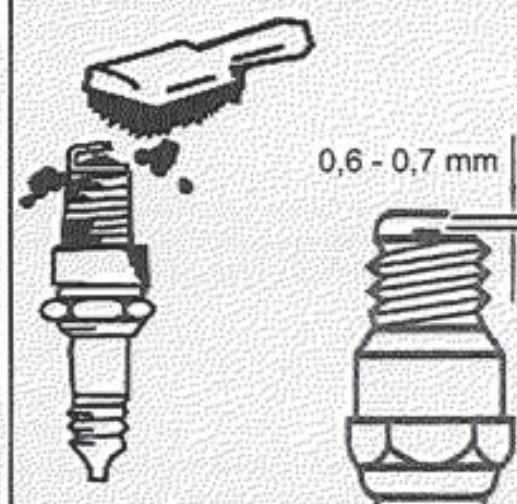
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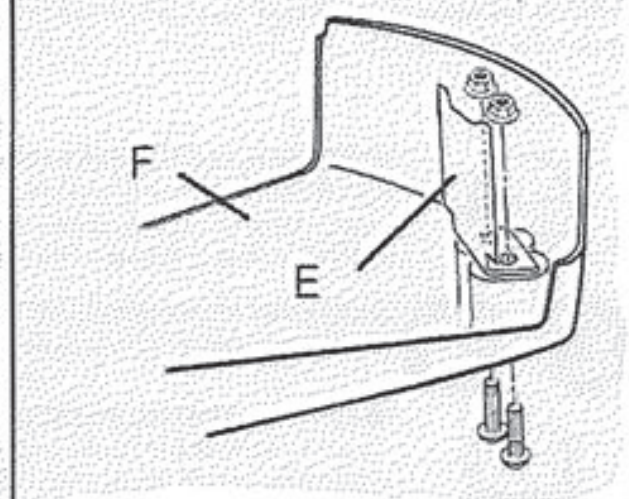
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EXPLANATION OF SYMBOLS/PICTOGRAMS

These Operating Instructions describe safety symbols and international symbols and pictographs that may be applied to the device. Read the Operating Instructions to familiarise with all information concerning safety, assembly, operation, maintenance and repair.

SYMBOLS

MEANING



WEAR HEAD, EYE AND EAR PROTECTORS

WARNING: Hurlled-away objects may lead to serious injuries of the eyes, excessive noise may result in deafness. Wear eye and ear protection devices when operating this device. Falling objects may cause serious injuries of the head; wear a head protection when operating this device.



WEAR FOOT PROTECTION AND GLOVES

Always wear safety boots and gloves when operating the device.



READ THE OPERATING INSTRUCTIONS

If you do not adhere to the instructions and safety measures described in the Operating Instructions severe injuries may occur. Read the Operating Instructions before you start and operate this device.



KEEP OTHER PERSONS ON A DISTANCE

WARNING: Take care that no other persons are standing within a radius of 15m around your working area. This particularly applies to children and animals.



DANGER OF INJURY !

Beware of hurled-away objects.



FIRE HAZARD!

The fuel is flammable and therefore may not be spilled.

Do not work next to open flames. Do not smoke. Only refill fuel when the motor is cool and is not running.



WARNING SYMBOL

Points to danger, warnings or reasons for particular carefulness. May be used in connection with other symbols or pictographs.



DO NOT USE METAL BLADES

WARNING: Do not use metal blades with this device to avoid serious injuries.



MAXIMUM SPEED

The maximum speed of the cutting unit. The device must not be operated at a speed higher than this.



POSITION OF THE HANDLE

Direction of arrow shows how to install the handle. Always keep the right position, you must never remain under the required distance !



ATTENTION: HOT SURFACE

Never touch a hot exhaust pipe, gear box or cylinder. Otherwise, you may suffer burns. These parts get extremely hot during operation and stay hot for some time after the device has been switched off.



DANGER OF INJURY !

Warning! Do not put hands under the cover of the machine when it is running
Caution! Rotating electrical tool!



GUARANTEED ACOUSTIC CAPACITY LEVEL L_{WA} 112 dB(A)

Petrol trimmer

SPECIFICATION

Model		GTP27
Engine output	kW	0.8
Engine type		2-stroke
Cubic capacity	cm ³	25
Fuel lubricated petrol		40:1
Tank volume	ml	600
Maximum engine speed	min ⁻¹	10.500
Max. speed of the cutting tool	min ⁻¹	9.000
Idling speed	min ⁻¹	3000
Fuel consumption	kg/h	0,38
Cutting diameter	cm	43
Cord diameter	mm	2.0
Overall cord length	m	2 x 3
Cord extension		Tap'n go
Weight	kg	4,5
Acoustic capacity level	dB(A)	112
Sound pressure level	dB (A)	99,5 [K 3,0 dB(A)]
Vibration – full throttle	m/s ²	11,186 [K 1,5 m/s ²]
Vibration – idling	m/s ²	7,677 [K 1,5 m/s ²]
Cutting attachments (type)		Nylon line cutting head

Technical changes reserved.

The devices are manufactured in accordance with the provisions of EN ISO 11806-1 and fully comply with the provisions of the German Product Safety Act.

Notice: The vibration value indicated was determined with a standardized tool and can be used to make comparisons with other petrol equipment as well as temporary estimates of the load through the vibrations.

WARNING! The vibration value may vary according to the usage of the machine and its fitted equipment, and be higher than the one indicated. Safety measures must be established to protect the user and must be based on the load estimate generated by the vibrations in real usage conditions. In this regard, all the operational cycle phases must be taken into consideration, such as switching off or idle running.

Warning: Prolonged exposure to vibrations can cause injuries and neurovascular disorders (also called "Renaud's syndrome" or "white hand"), especially to people suffering from circulation disorders. The symptoms can regard the hands, wrists and fingers and are shown through loss of sensitivity, torpor, itching, pain and discolouring of or structural changes to the skin. These effects can be worsened by low ambient temperatures and/or by gripping the hand-grips excessively tightly. If the symptoms occur, the length of time the machine is used must be reduced and a doctor consulted.

When working with the device, a certain level of noise cannot be avoided. Noisy work should be scheduled for hours, during which it is allowed by statute or other local regulations. Adhere to any applicable rest times and limit your working time to the necessary minimum time. For your personal protection and the protection of people nearby, suitable hearing protection must be worn.

Noise emission information in accordance with the German Product Safety Act (ProdSG) and the EC Machine Directive: the noise pressure level at the place of work can exceed 80 dB(A). In such cases the operator will require noise protection (e.g. wearing of ear protectors).



Please do also consider any local regulations concerning noise protection!

SAFETY INSTRUCTIONS

BEFORE OPERATION

- Always keep these Operating Instructions to hand together with your petrol trimmer.
- Read the instructions carefully. Familiarise with the control elements so that you are able to safely operate the device.
- Children and juveniles are not allowed to operate the device – except for juveniles working with the device under the guidance and supervision of an adult who is familiar with the device.
- Before each use of the device, check whether the cutting head is attached correctly and that the throttle lever returns to zero position automatically.
- All protection covers and safety devices must be correctly attached to operate the device.
- Thoroughly check the device for loose or defective parts before each use. Only start working with the device when all required repairs and settings have been effected.
- Use the device only during daylight or in sufficiently strong artificial light.
- Take care that no other persons are standing within a radius of 15m around your working area.
- Adjust the handle to your body height before starting the device and make sure that the cutting head is not in touch with any objects.
- Be aware of the possible dangers to your head, hands and feet that may develop.
- Carefully check the area to be cut down. Remove any fallen leaves that may get caught in the cutting cord. Also remove any objects that may be hurled away during cutting.

SAFETY INSTRUCTIONS FOR PETROL-POWERED TRIMMERS AND BRUSHCUTTERS



WARNING: Petrol is extremely flammable and its fumes may explode when ignited. Take care of the following:

- 1) Store petrol in containers designed and approved for the storage of such substances only.
- 2) Always switch off the engine and let it cool down before you refill the tank. As long as the engine is hot you must never remove the tank cap or refill the tank.
- 3) In the tank pressure may develop. Loosen the tank cap slowly to allow this pressure to gradually decrease.
- 4) Refuel the device in a clean, well-ventilated room only. Immediately wipe off spilled-over fuel. In such a case, you must keep all sources of ignition away from the device and wait with the starting of the engine until the fuel has evaporated.
- 5) Make sure that you use the right fuel or petrol/oil mix (lubricated petrol). To operate the device the tank cap must be closed tightly.
- 6) Start the device at least three meters away from

the place where you fuelled it. Do not smoke during fuelling or operation and take care that no sparks or open flames reach into the working area.

- 7) Caution: The exhaust gases are poisonous and can result in suffocation and death. Do not run the motor in closed or in badly ventilated areas.

DURING OPERATION

- Use this trimmer for its provided purpose only, i.e. for the cutting of grass, brushwood and weed.
- Avoid any inadvertent starting of the engine. Make sure, that the control lever is always in 'Start' position when you pull the starter rope.
- Always be attentive. To protect yourself and others from injuries you should not work with this device if you are tired.
- Do not work with this device under the influence of drugs, alcohol and medical drugs.
- Always wear protection goggles when operating this device.
- Wear appropriate clothes. Do not work with this device with bare feet or open sandals. Always wear robust footwear with rubber soles. We recommend to wear gloves, ear protection and long trousers.
- Do not wear wide clothing or scarves, chains, ties etc. These may get sucked into the air inlet. Do also take care that long hair does not get into the air inlet. Tie long hair together behind the head so that the neck and shoulders remain free from it.
- Keep your hands, face and feet away from any moving parts. Do not try to touch or stop the cutting cord as long as it is turning.
- Use this device in well-ventilated outdoor areas only. In closed rooms, exhaust gases containing carbon monoxide may have fatal effects.
- Do not bend forward too far. Always take care to have a safe stand and good balance.
- Do not touch the exhaust pipe or cylinder. These parts get extremely hot during operation and stay hot for some time after the device has been switched off.
- Always hold the trimmer with both hands during work. Hold on to both the front and back handle tightly.
- Check the condition of the cutting head regularly. All damaged parts must be replaced immediately. Follow the necessary safety measures when replacing any parts.
- If you touch an object or get caught (with the device) switch off the engine immediately and check the device for possible damage. Repair possibly existing damages before you try to continue your work. Do not operate the trimmer if it has loose or damaged parts.
- Do not run the engine faster than required for cutting, trimming or the clean-cutting of edges. Do not let the engine run on high speeds when you are not cutting.

- The cord protection cover must always be mounted when the trimmer is operated. If this should not be the case, the engine may overheat. **OPERATE THE DEVICE ONLY WITH THE PROTECTION COVER MOUNTED.**
- The cutting diameter must not exceed the length of the protection cover stated in this manual.
- Make sure that the trimmer is not soiled by parts of plants or other materials.
- Always switch the engine off if you make a break or move to another area.
- Replace the exhaust pipe and (if necessary) the spark protector if these are not in proper working order any more.
- To keep the danger of fire as low as possible the engine and exhaust pipe must be free from grass, leaves and excess grease.
- For any interventions, whether maintenance or repair works, the changing the cutting head or installation of safety devices, the engine must be switched off.
- Use original spare parts only. These parts are available from your appointed retailer. The use of deviating parts or other parts, accessories or attachments that are not designed for this trimmer may result in serious injuries to the persons using it and your warranty will become void.
- Only use the trimmer with the right trimming cord installed and with both trimming cords being at the right length.
- Please note that improper maintenance, the use of non-compliant spare parts, or the removal or modification of safety devices can cause damage to the tool and serious injuries to the operator.
- Please note that permissible uses for the tool could be limited by national regulations.

AFTER OPERATION

- Clean the trimmer from remainders of grass and dirt after use.
- Lock the device in a proper place to protect it from unauthorised use.

FURTHER SAFETY INSTRUCTIONS

- If there is still fuel in the device's tank do not store it in a building where the vapours may be ignited by open fire or sparks.
- Let the engine cool down, before you store the device in a closed room.
- Lock the trimmer in a proper, dry room to protect it from unauthorised use and damage.

ASSEMBLY

ASSEMBLY OF THE HANDLE (Fig. 1)

The petrol trimmer is fitted with an additional handle. You can adjust this handle to achieve a convenient working position:

Remove the lower handle bracket from the included additional handle. Put the lower handle bracket to the shaft (from below) and put the additional handle on the shaft exactly aligned with the bracket (from above). Connect the two parts with each other using screws. Position the handle according to the arrow – see warning label (B) (Fig. 1). Tighten the screw firmly.

ASSEMBLY OF THE CORD PROTECTION COVER (Fig. 2+3)

The protection cover must lock tightly into position at the tube. It may be required to strongly push it into position.

1. Put the protector (B) on the shaft mounting (C).
2. Use the included screw (E) and nut (F) to fix the protection cover (Fig. 3).



ATTENTION : Make sure that all components are mounted and assembled correctly and all screws properly tightened.



ATTENTION ! - Do always act in accordance with the applicable safety instructions and apply all required safety measures. The trimmer may only be used to cut grass or smaller weeds. It is explicitly forbidden to cut any other kind of material. Do not use the trimmer as a lever to lift, remove or crush objects; do also not fix it to rigid holding devices. It is forbidden to mount any devices or supplements to the trimmer's drive unit that are not explicitly released for that purpose by the manufacturer.

MOUNTING THE ATTACHMENT (Fig. 4–6)



Attention: Switch off the device before mounting the attachment. DANGER OF INJURY !

Note: To facilitate mounting and dismantling the attachment put the tool on the ground or a workbench.

1. Loosen the knob (A) by turning it anticlockwise (Fig. 4).
2. Hold the attachment (B) and push it straightly into the quick-change coupling (C) until the release button (D) engages into the corresponding hole (E) of the coupling (Fig. 4+5).
3. Turn the knob (A) clockwise to tighten it (Fig. 6).



Attention: Before operation, the release button must have engaged into the hole of the coupling and the knob must have been tightened firmly!

FUEL AND OIL

FUEL

For a maximum performance of your trimmer, use regular petrol (two-star, unleaded) mixed with a special 2-stroke engine oil (40:1). Please adhere to the mixing instructions.



ATTENTION : Do never use pure fuel without oil. This will damage the engine and you will lose your warranty rights. Do not use fuel mixtures that have been stored for more than 90 days.



ATTENTION : Only use high-quality 2-stroke mixing oil for air-cooled engines, mixture ratio 40:1.

FUEL MIXTURE

Mix the fuel with 2-stroke oil in an approved container. Refer to the mixing table to find the required mixture ratio for the fuel and oil. Shake the container to properly mix the two fluids.

Mixing table for fuel mixture

Petrol	2-stroke oil / 40:1
1 litre	25 ml
5 litres	125 ml

 **ATTENTION:** If you should use an improper mixture ratio you will lose your warranty rights.

STARTING THE ENGINE

Cold start

In order not to overtax the engine when starting it, cut the trimmer cord to 17 cm (Fig. 7).

1. Put the ignition switch in position 'I' (Fig. 8).
2. Slide the choke to position 'Start' (Fig. 9). This is not required in case of a warm start.
3. Push the fuel pump (A) 8 times (Fig. 10).
4. Pull the starter rope 2-3 times (Fig. 11); to start the motor it is required to evenly, quickly pull the rope.
5. Slide the choke to 'RUN' position (Fig. 12), slightly push the throttle lever (9) and pull the starter rope again until the motor starts running. (To push the throttle lever (6) it is necessary to first push the locking lever (8) (fig. 13).
6. Let the motor idle for about 10 seconds to warm up.
7. If the motor does not start repeat the steps 1-6.

NOTE: If the engine should not start after several tries proceed as described in the chapter 'Trouble-shooting'.

NOTE: Always pull out the starter rope straight. If you do not pull straight the rope will chafe at the eyelet. This chafe will cause the rope to fan out and thus to a higher wear and tear. Always hold the starter rope handle when the rope is pulled back. Do not let the rope flick back when it is pulled out. This could lead to a hook-up of the rope and/or a damage to the starter housing.

STARTING WARM ENGINE

DO NOT USE THE CHOKE!

If the fuel tank was empty, repeat steps 1, 4, 6 and 7 under STARTING COLD ENGINE after refilling.

STOPPING THE ENGINE (Fig. 14)

Release the throttle lever. Let the engine idle. Push the ignition switch to position 'Stop'. The motor will now stop.

 **Emergency stop:** If it should be necessary to stop the tool immediately push the "STOP" button.

OPERATING ADVICE

- If you are not familiar with the trimmer train the handling of the device with the engine not running (AUS / OFF).

- Always check the territory; solid objects as metal parts, bottles, stones etc. may be hurled away and cause serious injuries or permanently damage the device. Should you touch a solid object with the trimmer shut the engine off immediately (AUS / OFF) and examine the trimmer for possibly existing damages. Do not use the device when it is damaged or shows sign of defects.
- Always trim and cut with the engine running in the higher speed range. Do not let the engine run at low speed at the beginning of or during the trimming.
- Use the device for its provided purpose only, i.e., trimming and cutting grass and weeds.
- Never hold the cutting head higher than your knees during operation.
- If working on a slope always stand with the cutting unit above you. Only work on sloping sites if you stand on firm ground.

TRIMMING

The trimmer – properly equipped with protection cover and cutting head – trims high grass, brushwood and weeds at places that are difficult to access along fences, walls, foundations and around tree trunks. The trimmer may also be used for cutting down to the ground (e.g., clean-out works in the garden and in broken, thickly covered areas).

 **NOTE:** When trimming near foundations, stone walls etc., even extreme care cannot avoid an increased wear of the cutting cord.

TRIMMING / MOWING

Swing the trimmer in sickle-like movements from side to side. Always hold the cutting head parallel to the ground. Examine the territory and determine the desired cutting height. Lead and hold the cutting head in the desired height to achieve an even cutting result (Fig. 18).

TIGHT TRIMMING

Lead the trimmer straight with a slight angle in forward direction so that it moves just over the ground. Always trim away from your body, never lead it towards the operator (Fig. 15).

TRIMMING AT FENCES AND FOUNDATIONS

To trim at fences, posts, stone walls and foundations lead the device slowly and carefully without letting the cutting cord touch any obstacles. If the cutting tool encounters any solid obstacle (stone, wall, log etc.) there is the danger of a kickback and higher wear and tear of the cutting cord.

TRIMMING AROUND TREE TRUNKS

Lead the trimmer carefully and slowly around tree trunks so that the cutting cord does not touch the bark. Cut around trees from left to right. Capture grass and weeds with the tip of the cord and slightly tilt the cutting head in forward direction.

MOWING AWAY

When mowing away, you capture the whole vegetation down to the ground. To do so tilt the cutting head to the left with an angle of 30 degrees. Adjust the handle to the desired position. Be aware of the higher danger of injuries for the operator, surrounding persons and animals, and

the danger of damages to property through hurled-away objects (e.g., stones) (Fig. 16).

Extending the cutting cord

To extend the cutting cord let the engine run at full throttle and bump the cutting head on the ground. The cord is automatically extended. The cutter at the protection cover cuts the cord to the required length (Fig. 17).

 **Important note: Do not use metal wire or plastic-sheathed metal wire of any kind in the cutting head. This may lead to serious injuries of the operator.**

 **ATTENTION: Regularly remove any remainders of grass and weed to avoid an overheating of the shaft tube. Remainders of grass and weeds get caught under the protection cover (Fig. 17) avoiding a sufficient cooling of the shaft tube. Remove the remainders carefully with a screwdriver or a similar tool.**

Replacing the cutting cord

1. Remove the screw by turning it anticlockwise (Fig. 19).
2. Remove the coil and spring from the spindle (Fig. 20).
3. Remove the remaining cutting cord (Fig. 21).
4. Fold a 6m x 2mm cord in half. Put the loop end into the slot of the spool (Fig. 21). The slot is located in the centre wall that divides the two cord chambers from each other.
5. Roll both halves of the cord concurrently around the spool. The wrapping direction is engraved in the spool: "Wind Cord". Make sure that the cord is always tensioned and that each half of the cord stays in the proper separate spool housing. Roll up the cord until 15 cm of cord remain at each end (Fig. 22).
6. Lead each cord end through the openings at the respectively opposite side of the coil (Fig. 23).
7. Lead the spring over the spindle and thread the cord ends through the eyelets in the housing.
8. Lead the coil into the housing while pulling the cord ends through the eyelets. Make sure that the spring is positioned correctly in relation to the coil and housing (Fig. 24).
9. When the coil sits in its correct position in the housing, push it firmly into the housing so that the spring is tensioned. Firmly pull at both ends of the cord (H) so that the cord cannot be pinched between the coil and housing. Maintain the spring tension through continuous pressure on the coil in the housing and fix the screw by turning it clockwise. Fasten the screw fingertight only (Fig. 25).
10. Cut the cord to about 17cm to avoid excessive load to the engine during the starting and warm-up phase (Fig. 7).

MAINTENANCE AND REPAIR

 **ATTENTION! Always wear protective gloves when carrying out maintenance work. Never perform maintenance works with the engine still being hot.**

AIR FILTER

To clean the air filter:

1. Remove the fixing screw 1 of the air filter cover (Fig. 26a + b).
2. Clean the filter using soap and water.
Never use petrol or benzene!
3. Let the Filter dry in the air.
4. Now put the filter in again proceeding the other way round.

NOTE: Replace the filter if it is worn out, damaged or too dirty.

TANK CAP / FUEL FILTER

 **ATTENTION:** Please remove the fuel from the device and store it in an approved fuel can, before you start replacing these parts. Open the tank cap carefully to allow existing pressure to slowly decrease.

NOTE: Keep the ventilating valve and tank cap clean (Fig. 27).

1. Pull the fuel suction head (A) out of the tank using a hook or similar tool (Fig. 28).
2. Pull the suction head off by concurrently turning it (Fig. 28).
3. Replace the filter.

NOTE: Never use the trimmer without a fuel filter. This may result in severe damage to the engine.

CARBURETTOR SETTINGS

The carburettor has an optimised setting 'ex works'. If any further adjustments should be required contact your competent customer service.

SPARK PLUG

1. Spark plug air gap: 0,6-0,7 mm (Fig. 29)
2. Tighten the spark plug with a torque of 12-15Nm. Put the spark plug connector on the spark plug.

 **ATTENTION:** Any maintenance works that are not explicitly described in these Operating Instructions must be carried out by an authorized workshop. To ensure a consistent and proper operation use **ORIGINAL SPARE PARTS** only.

SHARPENING THE CORD CUTTER

1. Remove the cutter (E) from the protection cover (F) (Fig. 30).
2. Put the cutter into a vice and fix it firmly. Sharpen the cutter using a flat file. File with care and keep the sharpening angle. Always file in one direction only.

TRANSPORT

- When transporting the tool by car, it must be positioned so that it poses no danger, and secured.
- Make sure that no petrol escapes during transport. Avoid damage and injuries.
- During transport and storage of the tool, the blade guard must be attached.

STORAGE

1. Follow all aforementioned maintenance instructions.
2. Thoroughly clean the trimmer and grease the metal parts.
3. Empty the fuel tank and screw the tank cap back on.
4. After the tank has been emptied, start the engine.
5. Let the engine idle until it stops to free the carburettor from fuel.
6. Let the engine cool down (about 5 minutes).
7. Remove the spark plug using a spark plug wrench.
8. Fill a tea spoon of pure 2-stroke oil into the combustion chamber. Pull the starter rope several times slowly to distribute the oil inside the engine. Put the spark plug back in.
9. Store the device in a cool, dry place where it is protected from open flames and sources of heat as flow heaters, oil-fired boilers etc.

REOPERATION

1. Remove the spark plug.
2. Pull the starter rope quickly to its full extent to remove any remaining oil from the combustion chamber.
3. Clean the spark plug and check the gap. Replace the plug if required.
4. Prepare the device for operation.
5. Fill the tank with the proper fuel/oil mixture. See chapter 'Fuels and lubricants'.

SPARE PARTS

Please contact our service department if you need accessories or spare parts.

When working with this machine, do not use spare parts other than those recommended by us. Using spare parts not recommended by us can result in serious injuries to persons or damage to the machine.

WASTE DISPOSAL AND ENVIRONMENTAL PROTECTION

Never pour remainders of chain lubricant or 2-stroke fuel mixture in the drain or sewerage system or soil, but dispose of it in a proper, environmentally friendly way, e.g., at a special collecting point or dump.

If your device should become useless somewhere in the future or you do not need it any longer, do not dispose of the device together with your domestic refuse, but dispose of it in an environmentally friendly manner. Thoroughly empty the oil/lubricant and fuel tanks and dispose of the remainders at a special collecting point or dump. Please also dispose of the device itself at an according collecting/recycling point. By doing so, plastic and metal parts can be separated and recycled. Information concerning the disposal of materials and devices are available from your local administration.

CORRECTING FAILURES OF THE ENGINE

PROBLEM	POSSIBLE CAUSE	CORRECTION
Engine does not start or starts, but does not run further.	Wrong starting process.	Refer to the instructions in these operating instructions.
	Wrong setting of the carburettor.	Have the carburettor settings adjusted by an authorised customer service organisation.
	Fouled spark plug.	Clean/adjust or replace spark plug.
	Clogged fuel filter.	Replace the fuel filter.
Engine starts, but does not run at full power.	Wrong choke lever position.	Put the lever to position 'RUN' (OPERATION).
	Dirty/clogged spark grid.	Replace the spark grid.
	Dirty/clogged air filter.	Remove, clean and reassemble filter.
	Wrong setting of the carburettor.	Have the carburettor settings adjusted by an authorised customer service organisation.
Engine splutters.	Wrong setting of the carburettor.	Have the carburettor settings adjusted by an authorised customer service organisation.
No power under load.		
Engine does not run smoothly.	Wrong setting of the spark plug.	Clean/adjust or replace spark plug.
Excessive exhaust gases (smoke).	Wrong setting of the carburettor.	Have the carburettor settings adjusted by an authorised customer service organisation.
	Improper fuel mixture.	Use the proper fuel mixture (ratio – 40:1).

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