



TG 2600 XP (1.55 cu.in) - **TG 2750 XP** (1.55 cu.in)

en OPERATOR'S INSTRUCTION MANUAL

fr MANUEL D'UTILISATION ET D'ENTRETIEN

es MANUAL DE INSTRUCCIONES



To correctly use the hedge trimmer and prevent accidents, do not start work without having first carefully read this manual. You will find explanations concerning the operation of the various parts plus instructions for necessary checks and relative maintenance.

Note: Illustrations and specifications in this manual may vary according to Country requirements and are subject to change without notice by the manufacturer.

THE OPERATOR'S MANUAL

Your operator's manual is for your protection. READ IT. Keep it in a safe place for reference. Know what you are doing before you begin assembly of the unit. Proper preparation and upkeep go hand-in-hand with satisfactory performance of the hedge trimmer and safety.

Contact your dealer or the distributor for your area if you do not understand any of the instructions in this manual.

In addition to the operating instructions, this manual contains paragraphs that require your special attention.

Such paragraphs are marked with the symbols described below:

Warning: where there is a risk of an accident or personal injury or serious damage to property.

Caution: where there is a risk of damaging the machine or its individual components.



WARNING - To ensure safe and correct operation of the hedge trimmer this operator's manual should always be kept with or near the machine. Do not lend or rent your hedge trimmer without the operator's instruction manual.



WARNING: Allow only persons who understand this manual to operate your hedge trimmer.

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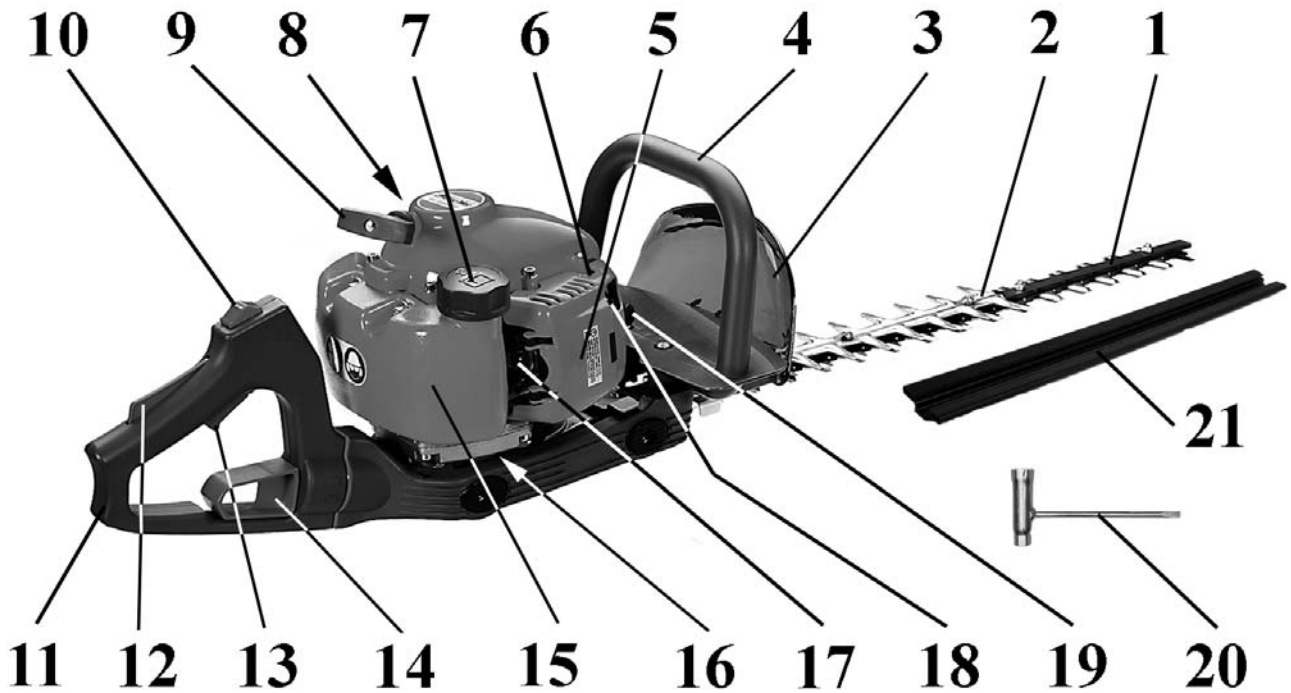
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Hedge Trimmer Components

- | | |
|----------------------|-------------------------------|
| 1 - Blade | 12 - Throttle Trigger Lockout |
| 2 - Blade Guard | 13 - Throttle Trigger |
| 3 - Hand Guard | 14 - Locking Lever |
| 4 - Front Handle | 15 - Fuel Tank |
| 5 - Air Filter Cover | 16 - Grease Nipple |
| 6 - Idle Speed Screw | 17 - Purge Bulb |
| 7 - Fuel Tank Cap | 18 - Choke Lever |
| 8 - Muffler | 19 - Spark Plug |
| 9 - Starter Handle | 20 - Combination Wrench |
| 10 - On/Off Switch | 21 - Blade Cover |
| 11 - Rear Handle | |

Understanding Safety Labels



- This symbol indicates Warning, and Caution.



- Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. **PLEASE READ ALL THE INFORMATION CAREFULLY TO AVOID INJURY AND MACHINE DAMAGE.**



- Wear eye, hearing and head protection when operating this equipment.



- Wear non-slip, heavy-duty protective gloves when handling hedge trimmer and blade.



- Wear safety strong shoes or boots having skid-proof sole and anti-piercing insert.



Refill gear housing every 20 working hours.

State and Local Requirements

This engine is **NOT** equipped with a Spark Arrester System complying with the requirements of SAE Recommended Practice J335 and California Codes 4442 and 4443. **All national forest land and land managed by the states of California, Maine, Washington, Idaho, Minnesota, New Jersey and Oregon require internal combustion engines to be equipped with a spark arrester screen by law. Other states and federal agencies are enacting similar regulations.**

Operating this engine in a state or locale where such regulations apply, could result in a violation of the law.

Note: When using this machine for logging purposes, refer to Code of Federal Regulations, Parts 1910 and 1928.



WARNING: The ignition system of your unit produces an electromagnetic field of a very low intensity. This field may interfere with some pacemakers. To reduce the risk of serious or fatal injury, persons with pacemaker should consult their physician and the pacemaker manufacturer before operating this tool.



WARNING: Muffler surfaces are very hot during and after operation of the hedge trimmer, keep all body parts away from the muffler. Serious burns may occur if contact is made with the muffler.



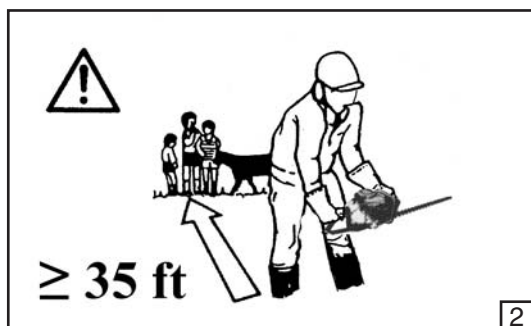
WARNING: Exposure to vibrations through prolonged use of gasoline powered hand tools could cause blood vessel or nerve damage in the fingers, hands, and wrists of people prone to circulation disorders or abnormal swellings. Prolonged use in cold weather has been linked to blood vessel damage in otherwise healthy people. If symptoms occur such as numbness, pain, loss of strength, change in skin color or texture, or loss of feeling in the fingers, hands, or wrists, discontinue the use of this tool and seek medical attention.



WARNING: The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Operate your hedge trimmer outdoors only in a well ventilated area.



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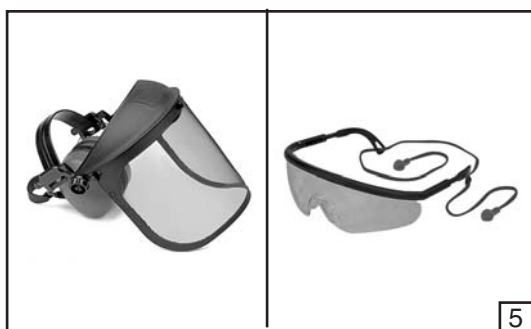
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Basic Safety Precautions

- Read this manual carefully until you completely understand and can follow all safety rules, precautions, and operating instructions before attempting to use the unit.
- Restrict the use of your hedge trimmer to adult users who understand and can follow safety rules, precautions, and operating instructions found in this manual. Minors should never be allowed to use a hedge trimmer.
- Do not handle or operate a hedge trimmer when you are fatigued, ill, or upset, or if you have taken alcohol, drugs, or medication. You must be in good physical condition and mentally alert. Hedge trimmer work is strenuous. If you have any condition that might be aggravated by strenuous work, check with your doctor before operating a hedge trimmer (Fig. 1). Be more cautious before rest periods and towards the end of your shift.
- Keep children, bystanders, and animals a minimum of 35 feet (10 meters) away from the work area. Do not allow other people or animals to be near the hedge trimmer when starting or operating the hedge trimmer (Fig. 2).
- While working with the hedge trimmer, always use safety protective approved clothing. The use of protective clothing does not eliminate injury risks, but reduces the injury effects in case of accident. Consult your trusted supplier to choose equipment in compliance with legislation. The clothing must be proper and not an obstacle. Wear adherent anti-cut clothing. **Protective jackets (Fig.3) and dungarees (Fig.3) are ideal.** Do not wear clothes, scarves, ties or bracelets that can stick in to twigs. Tie up and protect long hair (example with foulards, cap, helmets, etc.). **Safety boots having skid-proof sole and anti-piercing insert (Fig.4).** **Wear protective goggles or face screens (Fig.5)!. Use protections against noises: for example noise reduction ear guards (Fig.4) or earplugs.** The use of protections for the ear requests much more attention and caution, because the perception of danger audio signals (screaming, alarms, etc.) is limited. **Wear gloves (Fig.6, page 8).**
- Only loan your hedge trimmer to expert users who are completely familiar with hedge trimmer operation and correct use. Give other users the manual with operating instructions, which they have to read before using the hedge trimmer.
- Check the hedge trimmer each day to ensure that each device, whether for safety or otherwise, is functional.
- Never use a damaged, modified, or improperly repaired or assembled hedge trimmer. Do not remove, damage or deactivate any of the safety devices. Always replace blade, hand guard immediately if it becomes damaged, broken or is otherwise removed.
- Carefully plan your working operation in advance. Do not start cutting until you have a clear work area, secure footing.
- All hedge trimmer service, other than the operations shown in the present manual, have to be performed by competent personnel.
- The hedge trimmer must only be used to trim hedges or small bushes. It is forbidden to cut other types of material. Do not use the hedge trimmer as a lever to lift, move or break objects, nor lock it on fixed supports. It is forbidden to apply tools or applications that are not the ones indicated by the manufacturer onto the hedge trimmer's power take-off. Do not use it for pruning trees or cutting grass. It is inadvisable to cut other types of material.
- It is inadvisable to hitch tools or applications to the P.t.o. that are not specified by the manufacturer.



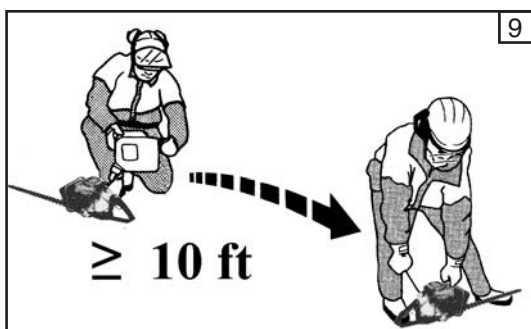
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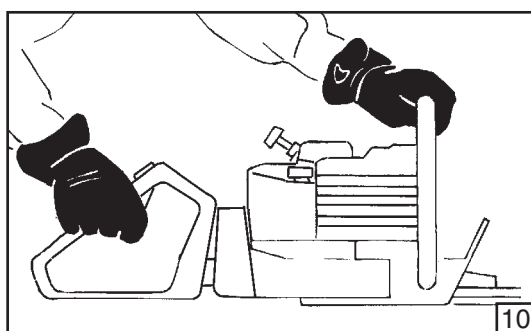
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Fuel Handling



WARNING: Gasoline is an extremely flammable fuel. Use extreme caution when handling gasoline or fuel mix. Do not smoke or bring any fire or flame near the fuel or the hedge trimmer (Fig. 7).

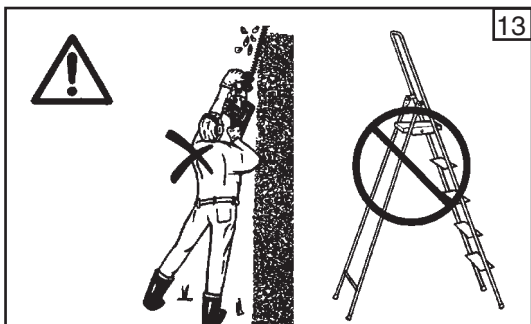
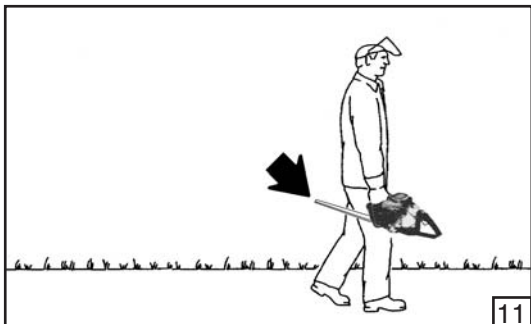
- **To reduce the risk of fire and burn injury, handle fuel with care. It is highly flammable.**
- Mix and store fuel in a container approved for gasoline (Fig. 8).
- Mix fuel outdoors where there are no sparks or flames.
- Select bare ground, stop engine, and allow to cool before refueling.
- Loosen fuel cap slowly to release pressure and to keep fuel from escaping around the cap.
- Tighten fuel cap securely after refueling. Unit vibration can cause an improperly tightened fuel cap to loosen or come off and spill quantities of fuel.
- Wipe spilled fuel from the unit. Move 10 feet (3m) away from refueling site before starting engine (Fig. 9).
- Never attempt to burn off spilled fuel under any circumstances.
- Do not smoke while handling fuel or while operating the hedge trimmer.
- Store fuel in a cool, dry, well ventilated place.
- Never place the hedge trimmer in a combustible area such as dry leaves, straw, paper, etc.
- Store the unit and fuel in an area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc.
- Never take the cap off the tank when the engine is running.
- Never use fuel for cleaning operations.
- Take care not to get fuel on your clothing.

Operation and Safety



WARNING: Always hold the hedge trimmer with both hands when the engine is running. Use a firm grip with thumbs and fingers encircling the hedge trimmer handles (Fig. 10).

- Keep all parts of your body away from the hedge trimmer when the engine is running.
- Always carry the hedge trimmer with the engine stopped the blade to the rear, and the muffler away from your body. When transporting your hedge trimmer, use the appropriate blade cover (Fig. 11). When transporting in a vehicle, keep blade covered with the blade cover. Properly secure your hedge trimmer to prevent turnover, fuel spillage and damage to the hedge trimmer.
- **Do not operate a hedge trimmer with one hand!** Serious injury to the operator, helpers, bystanders, or any combination of these persons may result from one-handed operation. **A hedge trimmer is intended for two-handed use.**
- Before you start the engine, make sure the hedge trimmer is not contacting any object.
- Shut off the engine before setting down the hedge trimmer. Do not leave the engine running unattended.



- Only use the hedge trimmer in well-ventilated places, do not operate the hedge trimmer in explosive or flammable atmospheres or in closed environments (Fig. 12). Beware of carbon monoxide poisoning.
- Do not operate hedge trimmer from a ladder or in a tree. Always cut from a firm-footed and safe position.
- Do not cut near electric cables.
- Keep the handles dry, clean, and free of oil or fuel mixture.
- When the hedge trimmer is running, grip the front handle firmly with your left hand and the rear handle with your right hand (Fig. 10).
- Never cut with the hedge trimmer above shoulder height (Fig. 13).

Precautions to Reduce Vibration Risk

- The hedge trimmer is provided with anti-vibration (AV) system; never alter or modify it.
- Wear gloves and keep your hands warm.
- Keep the blade sharp and the hedge trimmer, including the AV system, well maintained. A dull blade will increase cutting time, will increase the vibrations transmitted to your hands.
- Maintain a firm grip at all times, but do not squeeze the handles with constant, excessive pressures, take frequent breaks. All the above mentioned precautions do not guarantee that you will not sustain white-finger disease or carpal tunnel syndrome. Therefore, continual and regular users should monitor closely the condition of their hands and fingers. If any of the above symptoms appear, seek medical advice immediately.

Maintenance Precaution



WARNING: Never operate a hedge trimmer that is damaged, improperly adjusted, or is not completely and securely assembled.

- Be sure that the blade stops moving when the throttle control trigger is released. If the blade moves at idle speed, the carburetor may need adjusting, see Operation-Carburetor Adjusting Section. If the blade moves at idle speed after adjustment has been made, contact a Servicing Dealer for adjustment and discontinue use until the repair is made.



WARNING: All hedge trimmer service, other than items in the Operator's Manual maintenance instructions, have to be performed by competent hedge trimmer service personnel. (If improper tools are used to remove the flywheel or clutch, or if an improper tool is used to hold the flywheel in order to remove the clutch, structural damage to the flywheel could occur which could subsequently cause the flywheel to burst and serious injury could result.)

- Never modify your hedge trimmer in any way.
- Keep the handles dry, clean, and free of oil or fuel mixture.



WARNING: Use only accessories and replacement parts recommended.

- Never touch the blade or attempt to service the hedge trimmer while the engine is running.
- Never use fuel for cleaning operations.
- Keep the hedge trimmer in a dry place, off the ground with the blade cover on and the tanks empty.
- If your hedge trimmer is no longer usable, dispose of it properly without damaging the environment by handing it in to your local Dealer who will arrange for its correct disposal.
- Replace immediately any safety device when damaged or broken.



WARNING: The muffler and other parts of the engine (e.g. fins of the cylinder, spark plug) become hot during operation and remain hot for a while after stopping the engine. To reduce risk of burns do not touch the muffler and other parts while they are hot.

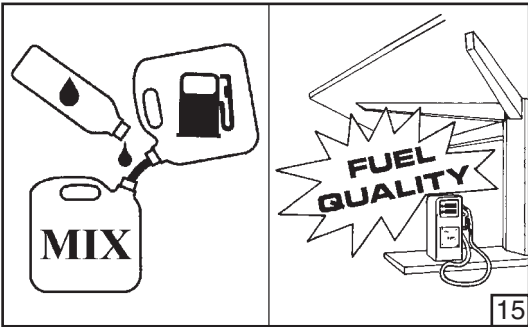


Fueling (Do Not Smoke!) (Fig. 16)

This product is powered by a 2-cycle engine and requires pre-mixing gasoline and 2-cycle oil. Pre-mix unleaded gasoline and 2-cycle engine oil in a clean container approved for gasoline (Fig. 14).

RECOMMENDED FUEL: THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE INTENDED FOR AUTOMOTIVE USE WITH AN OCTANE RATING OF 89 $([R + M] / 2)$ OR HIGHER (Fig. 15).

Mix 2-Cycle Engine Oil with gasoline according to the instructions on the package. If 2-Cycle Engine Oil is not available, use a high quality 2-cycle engine oil for correct mixing proportion see table below (Fuel Mixture).



CAUTION: DO NOT USE AUTOMOTIVE OIL OR 2-CYCLE OUTBOARD OIL.

CAUTION: Never use a fuel with an alcohol percentage higher than 10%; gasohol up to 10% alcohol or E10 fuel are acceptable.



When using an Oxygenated Gasoline a good practice of Fuel Management is necessary.

Gasoline Oxygenated with alcohol readily takes/up water when it is present; the water may be condensed out of humid air or be a contaminant in the fuel system, including tank.

CAUTION:

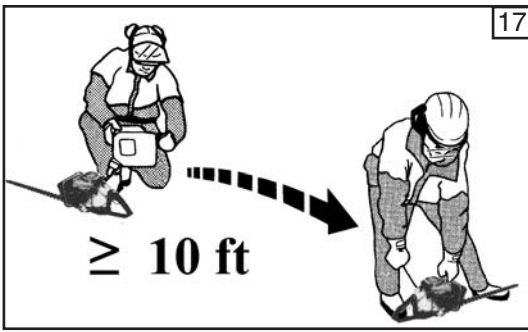
- Match your fuel purchases to your consumption; don't buy more than you will use in one or two months;
- Store gasoline in a tightly-closed container in a cool, dry place.

The use of Oxygenated Gasoline may cause the occurrence of vapor-lock easier.

NOTE: 2-Cycle Engine Oil contains a fuel stabilizer and will stay fresh up to 30 days. DO NOT mix quantities larger than usable in a 30 day period. A 2-cycle oil containing a fuel stabilizer is recommended.

**Fuel Mixture
2-Cycle Engine Oil (25:1) 4%**

Gasoline	Oil
1 Gallon (US)	5.2 oz.
1 Liter	40 cc (40 ml)



Filling the Tank (Fig. 18)



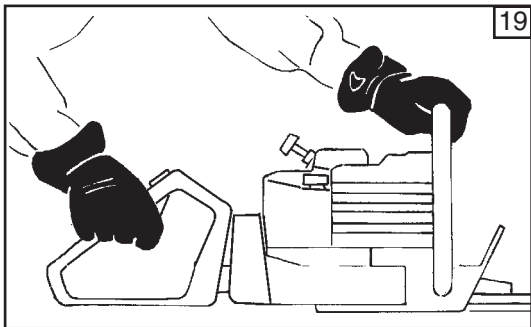
WARNING: Follow safety instruction for fuel handling. Always shut off engine before fueling. Never add fuel to a machine with a running or hot engine. Move at least 10 feet (3m) from refueling site before starting engine (Fig. 17). **DO NOT SMOKE!**

1. Clean surface around fuel cap to prevent contamination.
2. Loosen fuel cap slowly.
3. Carefully pour fuel mixture into the tank. Avoid spillage.
4. Prior to replacing the fuel cap, clean and inspect the gasket.
5. Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage.

NOTE: It is normal for smoke to be emitted from a new engine during and after first use.



WARNING: Check for fuel leaks, if any are found, correct before use. Contact a Servicing Dealer if necessary.



Preparation for Cutting

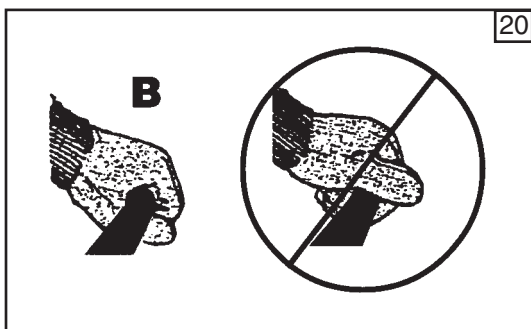
Proper Grip on Handles.

Refer to Safety Section for appropriate Safety Equipment.

1. Wear non-slip gloves for maximum grip and protection.



WARNING: Hold the hedge trimmer firmly with both hands. Always keep your **LEFT HAND** on the front handlebar and your **RIGHT HAND** on the rear (throttle) handle as shown in Fig. 19. Never use a cross-handed grip. Left-handers should follow these instructions too.



2. Maintain a proper grip (**B**, Fig. 20) on the hedge trimmer whenever the engine is running. The fingers should encircle the handlebar and the thumb is wrapped under the handlebar.



Work Area Precautions



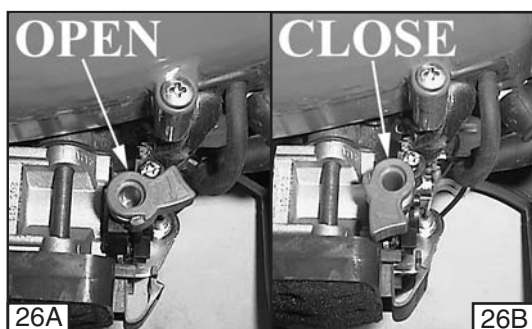
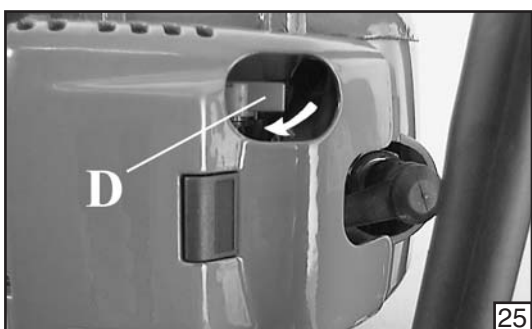
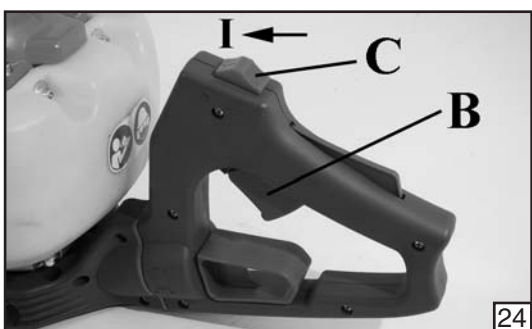
WARNING: Cut only hedges or materials made from wood. Do not cut metal, plastics, masonry, or non-wood building materials.

- Never allow children to operate your hedge trimmer. Only allow others to use this hedge trimmer who have read this Operator's Manual or received adequate instructions for the safe and proper use of this hedge trimmer.
- Keep everyone - helpers, bystanders, children, and animals a safe distance from the cutting area (**Fig. 21**).
- Always cut with both feet on solid ground to prevent being pulled off balance.
- Do not cut above chest height.
- Do not cut near electrical wires or buildings. Leave this operation for professionals.
- Cut only when visibility and light are adequate for you to see clearly.
- **Do not cut from a ladder, this is extremely dangerous.** Leave this operation for professionals.
- Stop the engine if the blade strikes a foreign object. Inspect the blade and repair parts as necessary.
- Keep the blade out of dirt and sand. Even a small amount of dirt will quickly dull a blade.
- Stop the engine before setting the hedge trimmer down.
- Be particularly cautious and alert while wearing hearing protection because such equipment may restrict your ability to hear sounds indicating danger (calls, signals, warnings, etc).
- Be extremely cautious when working on slopes or uneven ground.



Starting The Engine

- Place the hedge trimmer on level ground and ensure that no objects or obstructions are in immediate vicinity which could come in contact with the blade. Hold the front handle firmly with the left hand and put your right foot onto the base of the rear handle, see **Fig. 22**.



- Make sure that the throttle lever works properly.
- Fill the carburetor by pushing primer bulb a couple of times (A, Fig.23).
- Put the ON/OFF switch (C, Fig.24) in the "I" position.
- Put the choke lever (D, Fig.25-26B) in the CLOSE position.
- Holding the hedge trimmer down, pull the starting rope slowly until you meet resistance (Fig.22). Then pull it hard several times until the unit starts. When the engine starts, **wait for about 5÷10 seconds** and then pull the throttle lever (B, Fig.24), the choke lever (D, Fig.25-26A) will return automatically to the original "OPEN" position.
- When pulling the starter rope, do not use the full extent of the rope as this can cause the rope to break. Do not let starter rope snap back. Hold the handle and let the rope rewind slowly.
- When the engine starts at starting-throttle, engine speed will be fast enough for the clutch to engage and move the cutting tool.



WARNING: Do not cut material with the choke/fast idle lever at the FULL CHOKE position. Do not operate your hedge trimmer with the starting throttle lock engaged. Cutting with the starting throttle lock engaged does not permit the operator proper control of the hedge trimmer speed.

NOTE - STARTING WARM ENGINE:

Follow above starting instructions, but do not use the open (Fig. 26A) Choke position for start up again. To set fast idle for warm engine starting, pull choke out completely and push back in to the original Close (Fig. 26B) Position.



WARNING: Weather conditions and altitude may affect carburetion. Do not allow bystanders close to the hedge trimmer while adjusting the carburetor.



WARNING: Never attempt to start the hedge trimmer when the blade is in a cut or kerf.

Breaking-in the Engine

The engine reaches the maximum power after 5-8 hours of activity. During this period of breaking-in do not make the machine function idly at full throttle, to avoid excessive functioning stress.



CAUTION! – During the breaking-in period do not vary the carburetion to obtain a presumed power increment; the engine can be damaged.



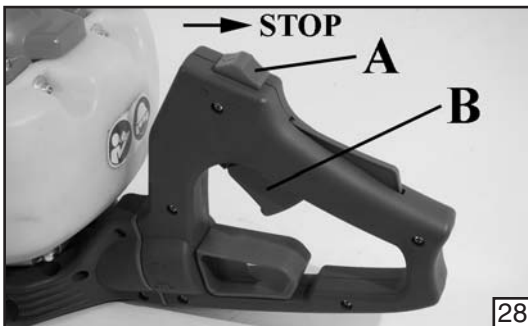
Difficult Starting (or starting a flooded engine)

The engine may be flooded with too much fuel if it has not started after 10 pulls. Flooded engines can be cleared of excess fuel by following the warm engine starting procedure listed above. Ensure the ON/STOP switch is in the ON position. Starting could require pulling the starter rope handle many times depending on how badly the unit is flooded. If engine fails to start refer to the TROUBLESHOOTING TABLE (page 23).

Engine is Flooded

If you did not move the choke lever to warm start, quickly enough after the engine began to fire, the combustion chamber is flooded.

- Set the on/off switch to **STOP**.
- Engage a suitable tool in the spark plug boot (**Fig. 27**).
- Pry off the spark plug boot.
- Unscrew and dry off the spark plug.
- Open the throttle wide.
- Pull the starter rope several times to clear the combustion chamber.
- Refit the spark plug and connect the spark plug boot, press it down **firmly**.
- Set the on/off switch to I, the starting position.
- Set the choke lever to warm start – even if engine is cold.
- Now start the engine.



Stopping The Engine

Release the throttle trigger (**B, Fig. 28**) and let the engine return to idle.

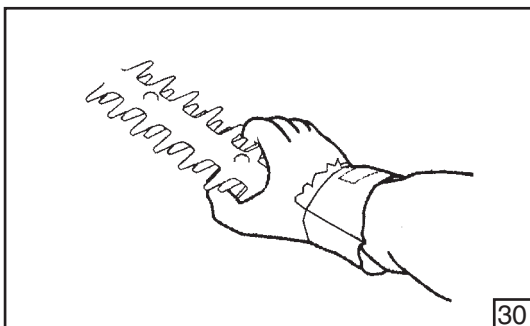
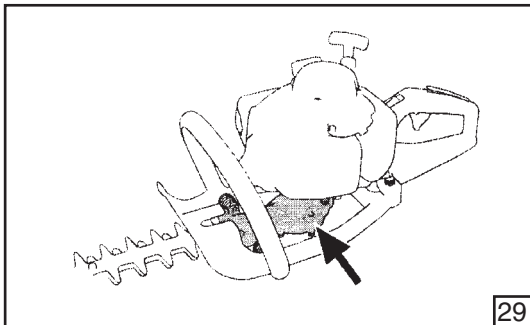
To stop the engine, move the on/off switch (**A**) to the “**STOP**” position. Do not put the hedge trimmer on the ground when the blade is still moving.

In the event that the “**STOP**” position of the switch will not function, pull the choke lever in **CLOSE** position (refer to **Fig. 26B**) to stop the engine.

Pre-operation checking



WARNING: THE HEDGE TRIMMER SHOULD NEVER MOVE AT IDLE. Turn the idle speed screw “**T**” counterclockwise to reduce the idle RPM and stop the blade, or contact a Servicing Dealer for adjustment and discontinue use until the repair is made. Serious personal injury may result from the blade moving at idle.



Working Techniques

General Working Instructions



WARNING: Do not cut during periods of high wind or heavy precipitation.



WARNING: Never cut, when visibility is poor or in very high or low temperatures or in freezing weather.



WARNING: Long-term exposure to noise can result in permanent hearing impairment. So always use approved hearing protection.



WARNING: Faulty blades can increase the risk of accidents.



WARNING - If correctly used, the hedge trimmer is a quick, easy to handle and efficient tool; if used improperly or without the due precautions it could become a dangerous tool. **THE MACHINE CAN CAUSE SERIOUS INJURY.** For pleasant and safe work, always strictly comply with the safety rules that follow and throughout this manual.

- The gear housing gets hot when the machine has been in use (**Fig.29**). To avoid burning yourself do not touch the gear housing.
- Check the cutting attachment. Never use blades that are dull, cracked or damaged.
- Check that the machine is in perfect working order. Check that all nuts and screws are tight.

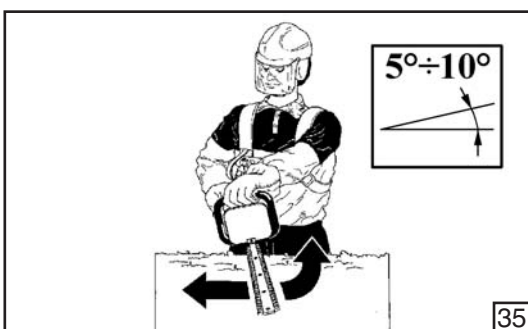
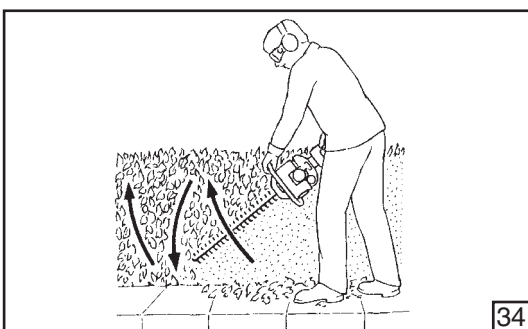
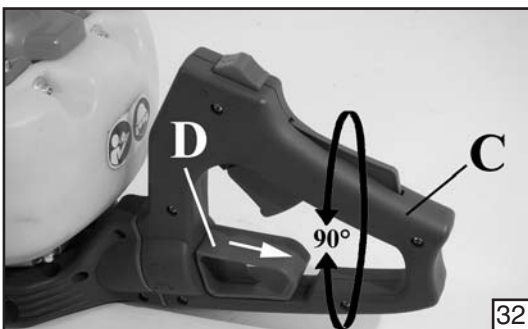
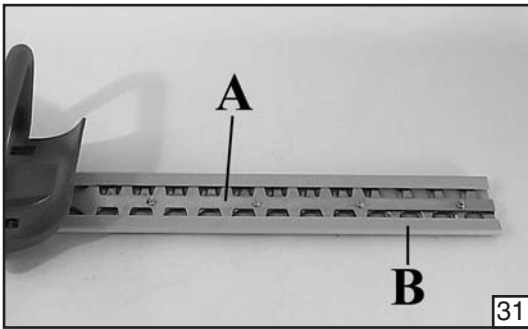


WARNING: The complete clutch cover and gear housing must be fitted before the machine is started, otherwise the clutch may come loose and cause personal injury.



WARNING: If you encounter a situation where you are uncertain how to proceed you should ask an expert. Contact your dealer or your service workshop. Avoid all usage which you consider to be beyond your capability.

- When the engine is switched off, keep your hands and feet away from the cutting attachment until it has stopped completely.
- Watch out for stumps of branches that can be thrown out during cutting.
- Do not cut too close to the ground. Stones and other objects can be thrown out.
- Check the working area for foreign objects such as electricity cables, insects and animals, etc, or other objects that could damage the cutting attachment, such as metal items.



- If any foreign object is hit or if high vibrations occur stop the machine immediately. Disconnect the HT lead from the spark plug. Check that the machine is not damaged. Repair any damage.
- If anything jams in the blades while you are working, switch off the engine and wait until it has stopped completely before cleaning the blades. Disconnect the HT lead from the spark plug.
- Always wear heavy-duty gloves when repairing the cutting attachment (**Fig.30**). This is extremely sharp and can easily cause cuts.
- Release the throttle trigger as soon as the cut is completed, allowing the engine to idle. **If you run the hedge trimmer at full throttle without a cutting load, unnecessary wear or damage can occur to the blade and engine.**
- If the cutter blades become jammed by thick branches or any other obstruction, switch off the engine immediately before attempting to free the blades.

Cutting season

Observe all country-specific and local regulations and ordinances regarding hedge trimming.

Preparations

Before starting work, scare away small animals so that they cannot be injured.

Cutting techniques



WARNING! - Do not start the hedge trimmer without the blade-guard (**A**, **Fig.31**). Do not use damaged or excessively worn blades. If the blade gets jammed, turn off engine before removing the obstruction.

Handle

To reduce fatigue when trimming hedges, the handle (**C**, **Fig.32**) can be swivelled through 90° to the left or right (**Fig.33**).

Do not press the throttle during this operation!

Proceed as follows:

1. Free the handle by pressing the locking lever (**D**, **Fig.32**);
2. Turn the handle until the locking lever clicks into place;
3. When the handle is locked in its new position, you can apply the throttle again.

You can swivel the handle even with the engine idling.

Hedge Trimming Techniques

Trim sides of a hedge first, and then the top.

Vertical cut: With the 2-sided blade model, use an arcing cut from the bottom upwards, then downwards, to use both sides of the blades (**Fig.34**).

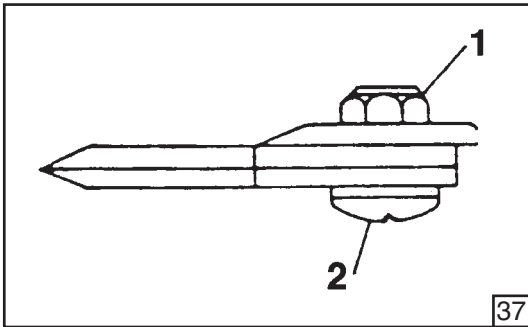
Horizontal cut: In order to get the best cutting results, slightly tilt the blade (5-10°) towards the cutting direction (**Fig.35**). Cut slowly, specially with thick hedges.

Transportation

When you walk with your hedge trimmer, turn off the engine and put on the blade cover (**B**, **Fig.31**). Grip the front handle and keep the cutter blades behind you.

Maintenance Chart

Please note that the following maintenance intervals apply for normal operating conditions only. If your daily work requires longer than normal or harsh cutting conditions are present the suggested intervals should be shortened accordingly.		Before Each Use	After Each Refueling Stop	After Finishing Daily Work	Weekly	Monthly	If Damaged or Faulty	As Required
Complete Machine	Inspect (Leaks, Cracks, and Wear)	X	X					
	Clean			X				
Controls (Ignition Switch, Choke Lever, Throttle Trigger, Trigger Interlock)	Check Operation	X	X					
Fuel Tank	Inspect (Leaks, Cracks, and Wear)	X	X					
	Clean					X		
Grease Nipple	Inspect (Leaks, Cracks, and Wear)	X	X					
	Clean					X		
Fuel Filter	Inspect				X			
	Clean, Replace Filter Element						X	Every 6 Months
Blade	Inspect (Damage, Sharpness, and Wear)	X	X					
	Sharpen (Check Gauge Depth)						X	X
Clutch Drum	Inspect (Damage, and Wear)				X			
	Replace						X	
All Accessible Screws and Nuts (Not Adjusting Screws)	Inspect	X						
	Retighten				X			
Air Filter	Clean	X						X
	Replace						X	Every 6 Months
Cylinder Fins	Clean					X		
Starter System Vents	Clean			X				
Starter Rope	Inspect (Damage and Wear)				X			
	Replace						X	
Carburetor	Check Idle (Chain must not rotate at Idle)	X	X					
Spark Plug	Check Electrode Gap					X		
	Replace						X	Every 6 Months
Vibration Mounts	Inspect (Damage, and Wear)				X			
	Replace by Dealer						X	X



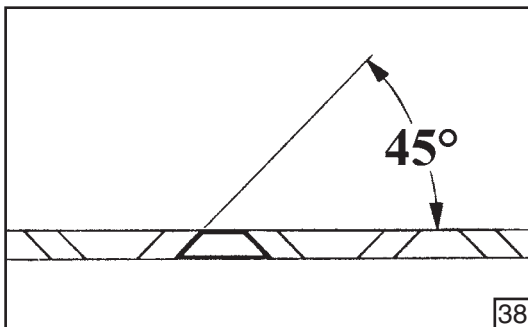
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Blade Maintenance

Clean (don't use grease solvent) any resin and plant residue from the blades before and after using the machine.

WITH NEW BLADES: after the first working hour you need to inspect the blades and if necessary adjust the gap between them for a correct play.

ADJUSTMENTS (Fig.37): loosen nut (1): slightly tighten screw (2), then unscrew it 1/4 of a turn. Tighten nut (1). Occasionally disassemble and clean screw and nut (1 and 2).



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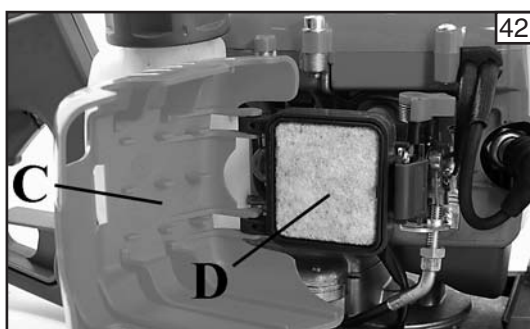
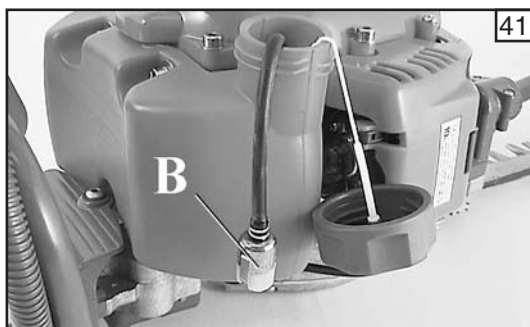
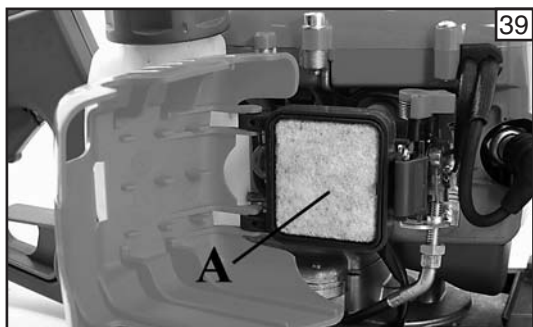
SHARPENING (Fig.38): always keep the file or sharpener at an angle of 45° to the blade, and:

- Always grind in the direction of the cutting edge;
- Files cut only in one direction; lift the file from the blade when returning to start a new pass;
- Remove all burr from the edge of the blade with a slip stone;
- Remove as little material as possible;
- Before refitting the sharpened blades, remove filings and then apply grease.



WARNING: Do not try to sharpen a damaged blade: change it or take it to a Service Dealer.

- Check that the blade guard is not damaged or distorted. Replace the blade guard if it is bent or damaged.
- Never repair damaged cutting attachments by welding, straightening or modifying the shape.



Carburetor Adjustment

This engine is designed and manufactured in order to comply with EPA (Environmental protection Agency) Phase 1 regulations. The carburetor is factory set and should not require adjusting. Before adjusting the carburetor, clean the air filter (**A, Fig. 39**) and warm up the engine.

Idle Speed Adjustment

- If the engine starts, runs, and accelerates but will not idle; turn the idle speed screw “T” clockwise to increase idle speed (**Fig. 40**).
- If the hedge trimmer turns at idle, turn the idle speed screw “T” counterclockwise to reduce the idle RPM and stop the blade movement. If the blade still moves at idle speed, contact a Servicing Dealer for adjustment and discontinue use until the repair is made.

WARNING: Don't tamper with the carburetor.

WARNING: With the engine idling (2800 rpm), the blade should not move. We recommend that you have the dealer or an authorised mechanic carry out any carburetor adjustments.

WARNING: Weather conditions and altitude may affect carburation.

WARNING: Do not allow anyone to stay close to the hedge trimmer while working or while adjusting the carburetor.

Fuel Filter

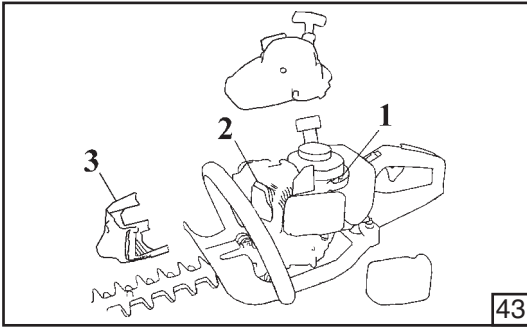
Check the fuel filter (**B, Fig. 41**) periodically. Replace it if contaminated or damaged.

Air Filter

WARNING: Do not clean filter in gasoline or other flammable solvent to avoid creating a fire hazard or producing harmful evaporative emissions.

Open air filter cover (**C, Fig. 42**) and check the air filter (**D**) each day; shake the filter. Reinstall the air filter. Close the air filter cover. An used air filter can never be completely cleaned. It is advisable to replace your air filter with a new one after six month of operation.

CAUTION: Never run the engine without the air filter, serious damage could result. Make sure the air filter is correctly placed in the air filter cover before reassembly. Always replace damaged filters. Do not clean a filter with a brush.



Cooling System

To keep the working temperature as low as possible the machine is equipped with a cooling system.

The cooling system (**Fig.43**) consists of:

1. Fins on the flywheel.
2. Cooling fins on the cylinder.
3. Cylinder cover (directs cold air over the cylinder - **Fig.44**).

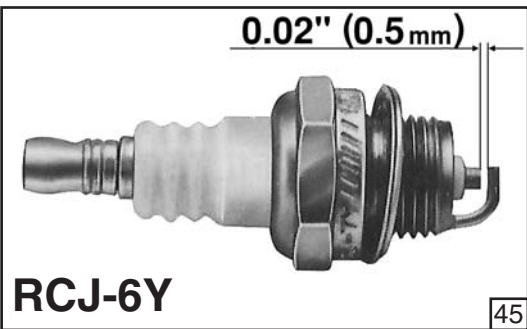
Clean the cooling system with a brush once a week, more often in demanding conditions. A dirty or blocked cooling system results in the machine overheating which causes damage to the piston and cylinder.



WARNING: The coil spring is under tension and could fly apart causing serious injuries. Never try to disassembly or modify it.



WARNING: Never run the hedge trimmer without all the parts, securely in place. Because parts can fracture and pose a danger of thrown objects, leave repairs to the flywheel and clutch to trained Servicing Dealers.



Spark Plug

This engine uses a Champion RCJ-6Y with .02" (0.5 mm) electrode gap (Fig. 45). Use an exact replacement and replace every six months or more frequently, if necessary.



WARNING: Never test the ignition system with ignition wire connector removed from spark plug or with unseated spark plug, since uncontained sparking may cause a fire. A loose connection between spark plug terminal and ignition wire connector in the boot may create arcing that could ignite combustible fumes and cause a fire.

Use only resistor type spark plugs of the approved range.

Factors such as:

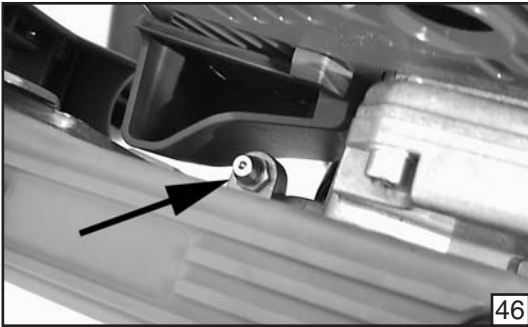
- too much oil in fuel mix;
- dirty air filter;
- unfavourable running conditions, e.g. operating at part load; may result in rapid deterioration of the spark plug.

Muffler

Free the engine and silencer of twigs, leaves and excess lubricant to prevent the risk of fire.



WARNING: Do not operate your hedge trimmer if the muffler is damaged, missing or modified. An improperly maintained muffler will increase the risk of fire and hearing loss.



Gear Housing

There is a grease nipple and a plug for filling lubricant on the gear housing (**Fig.46**). Use a grease gun to fill with grease. This should be done after every 15-20 working hours.



CAUTION: The gear housing must not be filled completely with grease. The grease expands as the machine heats up during operation. If the gear housing was completely filled with grease it could damage the seals and lead to leakage of grease.


The grease in the bevel gear does not normally need to be changed except if repairs are carried out.

Using Troubleshooting Chart



WARNING: Always stop unit and disconnect spark plug before performing all of the recommended remedies below except remedies that require operation of the unit.

When you have checked all the possible causes listed and you are still experiencing the problem, see your Servicing Dealer. If you are experiencing a problem that is not listed in this chart, see your Servicing Dealer for service.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Engine will not start or will run only a few seconds after starting. (Make sure Ignition switch is in start position "I")	1. No spark 2. Flooded engine.	1. Check Spark. Remove spark plug from cylinder. Reattach the spark plug wire and lay spark plug on top of cylinder. Pull the starter rope and watch for spark at spark plug tip. If there is no spark, repeat test with a new spark plug (RCJ-6Y). 2. With the ignition switch off, remove spark plug. Move choke lever to Run position (pushed in completely) and pull starter cord 15 to 20 times. This will clear excess fuel from engine. Clean and reinstall spark plug. Pull the choke lever all out and then insert it completely in order to activate the semi-acceleration device. Pull starter three times with choke lever at run. If engine does not start, move choke lever to choke and repeat normal starting procedure. If engine still fails to start, repeat procedure with a new spark plug.
Engine does not reach full speed and / or emits excessive smoke	1. Check oil fuel mixture. 2. Air filter dirty. 3. Muffler dirty.	1. Use fresh fuel and the correct 2-cycle oil mix. 2. Clean per instruction in Maintenance-Air Filter Section. 3. Clean per instructions in Maintenance-Muffler Section.
Engine starts, runs, and accelerates but will not idle.	Carburetor requires adjustment.	Turn idle speed screw "T" clockwise to increase idle speed. (If blade moves at idle, turn idle speed screw "T" counterclockwise to decrease speed); see Operation-Carburetor Adjustment.
Engine starts and runs, but blade is not moving  WARNING: Never touch the blade while the engine is running.	1. Blade assembly. 2. Blade damaged. 3. Clutch drum damaged.	1. Contact a Servicing Dealer. 2. Contact a Servicing Dealer. 3. Contact a Servicing Dealer.

***Note:** This engine complies with EPA (Environmental Protection Agency) regulations which require exhaust emission control. If your unit exhibits specific performance problems that can not be corrected by the Trouble Shooting Section, the unit should be taken to a Servicing Dealer for repair.

Storing Hedge Trimmer



WARNING: Stop engine and allow to cool, and secure the unit before storing or transporting in a vehicle. Store unit and fuel in an area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc. Store unit with all guards in place. Position so that any sharp object cannot accidentally cause injury to a passersby. Store the unit out of reach of children and other unauthorized persons.

1. Drain and clean the fuel tank in a well ventilated area.
2. Drain all fuel from tank into a container approved for gasoline. Run engine until it stops. This will remove all fuel-oil mix which could become stale and leave varnish and gum in the fuel system.
3. Clean all foreign material from the hedge trimmer. Keep away from corrosive agents such as garden chemicals and de-icing salts.
4. Abide by all Federal and local regulations for the safe storage and handling of gasoline. Excess fuel should be used in other 2-cycle engine powered equipment.
5. Lubricate the blade bars with special grease before long periods of storage.



CAUTION: It is important to prevent gum deposits from forming in essential fuel system parts such as the carburetor, fuel filter, fuel hose, or fuel tank during storage. Alcohol blended fuels (called gasohol or E10 or using ethanol, methanol) can attract moisture which leads to fuel mixture separation and formation of acids during storage. Acidic gas can damage the engine.

TECHNICAL DATA

TG 2600 XP - TG 2750 XP

ENGINE:

Displacement:	2.15 cu. in (24.5 cc)
Bore:	1.34 in (34 mm)
Stroke:	1.10 in (28 mm)

PERFORMANCE:

Idle Speed:	2,800 RPM
WOT (With Bar & Chain):	10,500 RPM
Power:	1.2 HP/0.9kW (7,500 RPM)

FUEL SYSTEMS:

Carburetor:	Multi Position Diaphragm
Fuel Tank Capacity:	20.3 oz. (600 ml)
Fuel Mix:	See Operation-Fueling Section

IGNITION SYSTEM:

Spark Plug:	Champion RCJ-6Y
Spark Plug Gap:	0.02 in. (0.5 mm)

CUTTING SYSTEM:

Blade pitch:	1.38 in. (35 mm)
Blade length:	23.6 in. (600 mm) (TG 2600 XP)
	29.5 in. (750 mm) (TG 2750 XP)



en

WARNING: To ensure safe and correct operation of the hedge trimmer, this operator's manual should always be kept with or near the machine. Do not lend or rent your hedge trimmer without the operator's instruction manual.

fr

AVERTISSEMENT: Afin de garantir un fonctionnement correct et en toute sécurité de la taille-haies, il est recommandé de toujours conserver le manuel de l'utilisateur à proximité de la machine. Ne prêtez ou ne louez jamais votre taille-haies sans fournir le présent manuel d'utilisation et d'entretien.

es

ADVERTENCIA: Para garantizar el funcionamiento seguro y correcto de la cortasetos, este manual del operador deberá conservarse siempre con la máquina o estar cerca de ella. No preste ni alquile la cortasetos sin el manual de instrucciones del operador.

