

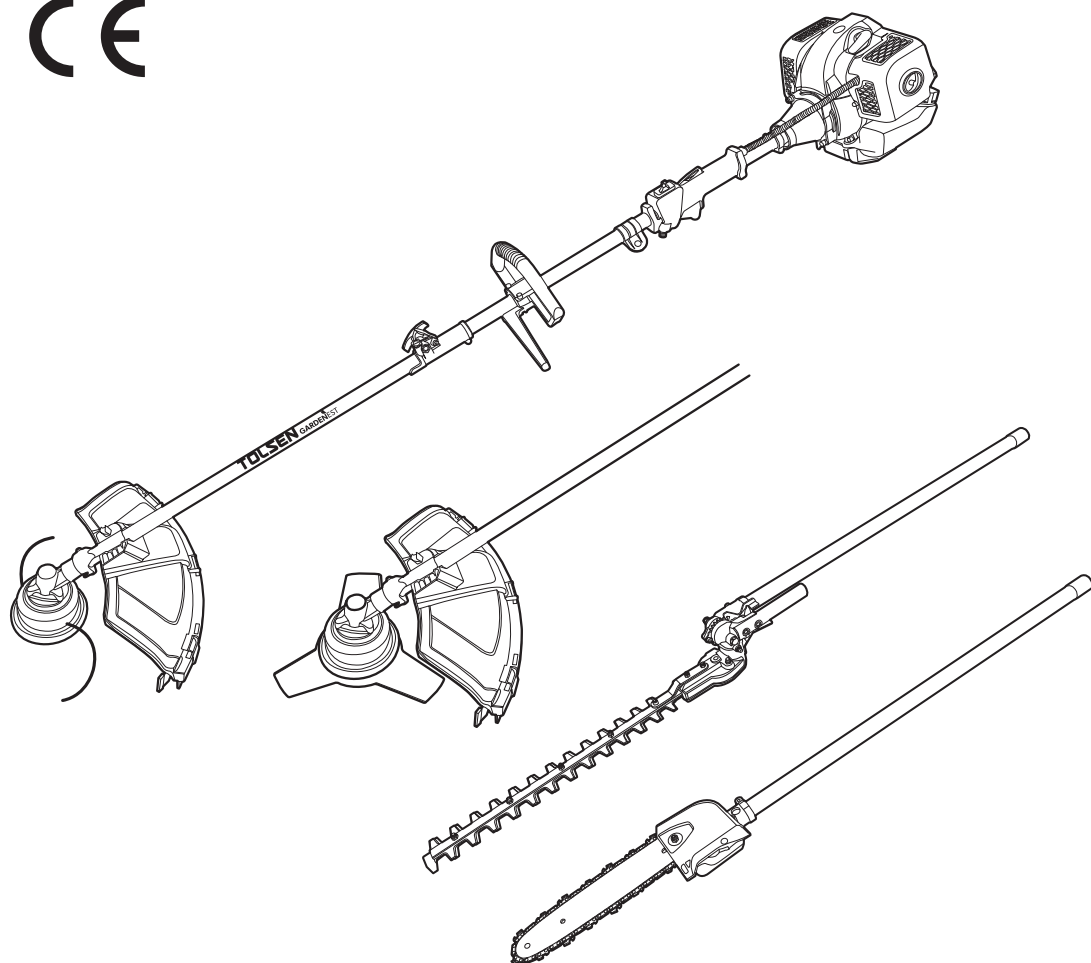
TOLSEN GARDENEST

79618

4-IN-1 MULTI-FUNCTION PETROL GARDEN TOOL

INSTRUCTION MANUAL

32.6cc



SAVE THIS MANUAL !

You will need this manual for safety instructions, operating procedures and warranty.
Put it and the original sales receipt in a safe dry place for future reference.

INTRODUCTION

Thank you for your purchasing the brush cutter of our company. The present manual explains how to handle the brush cutter well. Before using it, please read this operator's manual carefully, operate the machine correctly and engage in your task with safely. By the way, due to changes of specifications, all details of your machine may not agree with this manual. Please understand accordingly.


TECHNICAL DATA

| | | |
|-----------|---|--|
| Main unit | Idle speed of engine(min') | 3000 |
| | Line Max. Cutting Path / Diameter of line | 460mm(Ø2.4mm) |
| | Metal blade Diameter | 255mm(3T) |
| | Rotation direction of cutting device | Counter-clockwise(seen from the top) |
| Engine | Name of engine | 1E40F-5 |
| | Type | Air-cooled; 2 cycle; vertical Piston valve; gasoline engine |
| | Displacemen | 32.6cc |
| | Out put power | 900W |
| | Ignition | Non-contact electronic ignition |
| | Method of starting | Recoil type |
| | Fuel used | Gasoline mixed with lubricat ing oil (ratio of 25:1) |
| | Fuel tank capacity | 750ml |


GRAPHIC WARNINGS

Because a trimmer/cutter is a high-speed, fast cutting power tool, special safety precaution must be observed to reduce the risk of personal injury. Read this manual carefully. Be familiar with the controls and the proper use of the unit. Know how to shut it off, and how to unhook a harnessed unit quickly.

| | |
|---|---|
|  | This graphic accompanied by the words WARNING and DANGER calls attention to an act of a condition which can lead to SERIOUS INJURY. |
|  | READ & UNDERSTAND Operator's Manual and Safety Manual. |
|  | ALWAYS WEAR EYE PROTECTION, EAR PROTECTION AND HEAD PROTECTION. |
|  | WEAR FOOT PROTECTION |
|  | WEAR GLOVES |
|  | BEWARE OF FOOT INJURY BY CUTTING ATTACHMENT |
|  | BEWARE OF THROWN OBJECTS HIT BY CUTTING ATTACHMENTS. NEVER USE WITHOUT PROPERLY MOUNTED BLADE GUARD. |
|  | KEEP 15 METERS AWAY FROM ANY OTHER PERSON |

 **WARNING**

Always TURN OFF ENGINE and make sure the cutting tool has stopped before cleaning, removing or adjusting blade.

 **WARNING**

Never modify a trimmer or cutter in any way. Improper use of the machine can cause SERIOUS OR FATAL PERSONAL INJURY.

WARNING



DANGER

The engine exhaust from this product contains chemicals to cause cancer, birth defects, or other reproductive harm.

Specifications, descriptions and illustrative material in this manual are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.

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 thoroughly responsible and have read, and understand the machine manual and are trained in its operation.

- Always wear safety goggles for eye protection. Dress properly, do not wear loose clothing or jewelry that could become caught in moving parts of the unit. Safe, sturdy, nonskid footwear should always be worn. Long hair should be tied back. It is recommended that legs and feet be covered to protect from flying debris during operation.
- Inspect the entire machine for loose parts (nuts, bolts, screws, etc.) and any damage. Repair or replace as necessary before using the machine. **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.
- Keep the handles free from oil and fuel.
- Always use proper handles and shoulder strap when cutting.
- 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.
- Never start or run the engine inside a closed room or building. Fumes from the exhaust contain dangerous carbon monoxide.
- 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.
- 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. Inspect the area to be cut and remove all debris that could become entangled in the nylon cutting head. Also remove any objects that the unit may throw during cutting.
- Keep children away. Onlookers should be kept at a safe distance from the work area, at least 15 METER (30 FEET).
- Never leave the machine unattended.
- Do not use this unit for any job other than those for which it is intended as described in this manual.
- Do not overreach. Keep proper footing and balance at all times. Do not run the unit while standing on a ladder or on any other unstable footing location.
- Keep hands and feet clear of the nylon cutting head or blade while unit is in use.
- Do not use this type of machine for sweeping away debris.
- Do not use the unit when you are tired, ill or under the influence of medication drugs or alcohol.
- Use nylon cutting head which is free of damage. If a stone or any other obstacle is hit, stop the engine and check the nylon cutting head. A broken or unbalanced nylon cutting head must never be used.

FOLLOW INSTRUCTIONS FOR CHANGING ACCESSORIES.

- 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.
- 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.
 - 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.
 - 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.
 - Never touch the nylon cutting head or blade when ever the engine is running. If it is necessary to replace the protector or cutting attachment, be sure to stop the engine and confirm that the cutting device has stopped running.
 - The engine should be turned off when the machine is moved between work areas.
 - Be careful not to hit the nylon cutting bead against stones, or the ground. Unreasonable rough operation will shorten the life of the machine as well as create an unsafe environment for yourself and those around you.
 - 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.
 - 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. 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.
 - Pay special attention to operation in the rain or just after the rain as the ground may be slippery.
 - If you slip or fall to the ground or into a hole, release the throttle lever immediately.
 - Be careful not to drop the machine or hit it against obstacles.
 - Before proceeding to adjust or repair the machine, be sure to stop the engine and detach the spark plug.
 - 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.
 - Make periodic inspections to assure safe and efficient operation. For a thorough inspection of your machine, please contact a dealer
 - Keep the machine away from fire or sparks.
 - 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. Keep your body warm, especially the head, neck, feet, ankles, hands and wrists. Maintain good blood circulation by performing vigorous arm exercises during frequent work breaks and also by not smoking.
- Limit the hours of operation. Try to fill each day with jobs where operation the brush cutter or other hand-held power equipment is not required. If you experience discomfort, redness and swelling of the fingers fo by whitening and loss of feeling, consult your physician before exposing yourself to cold and vibration
- Always wear ear protection, loud noise for long time can make h debase even lost hearing.

WARNING: The cutter area is still dangerous while the mach coasting to a stop..

Befor Operation Checks

WARNING!

For your safety, and to maximize the service life of your equipment, it is very important to take a few moments before you operate the engine to check its condition. Be sure to take care of any problem you find, or have your servicing dealer correct it.

Before beginning your pre-operation checks, be sure the engine stop switch is in the OFF position.

Always check the following items before you start the engine:

- Cutting head correct mount
- Switches easy run
- The ignition plug safely mounted. If the plug is loose, sparkle and subsequent ignition of fuel-air mixture may occur.
- Make sure that handgrips are clean so that scythe may be led safely.
- The cutting head must move freely.
- Check and adjust the harness to suit for your body size.
- Check the damage of parts including the cutting device.
- To reduce fire hazards, keep the engine and silencer free of debris, leaves and excessive lubricant.

WARNING!

If in doubt when putting the machine in operation, take advice from a professional of an authorised servicing centre.

Non-professional advice may be dangerous to life!

Fuel And Chain Oil

WARNING!

Gasoline is very flammable. Avoid smoking or bringing any flame or sparks near fuel. Make sure to stop the engine and allow it cool before refueling the unit. Select outdoor bare ground for fueling and move at least 3 m (10 ft) away from the fueling point before starting the engine.

If the fuel tank is drained, this should be done outdoors.

- FUEL: Please use the lead-free pure gasoline
- CHAIN OIL: Use motor oil SAE #10W-30 all year round or SAE#30 -#40 in summer and SAE #20 in winter.

Safe Operating Precautions

Before operating the engine for the first time, please review the SAFETY INFORMATION and the

BEFORE OPERATION CHECKS!

- Hold the equipment firmly and safely with both the hands!
- Work thoughtfully and do not expose anybody to a risk while operation. Be calm and considerate while working.
- Observe the cutting head!
- Never work standing on a ladder!
- Work on firm and stable bases only!
- In the course of work procedure, make sure that no persons or animals are standing within 15 m diameter. Switch the machine off immediately if anybody, children in the first place, enter the reach of machine
- Use the machine at daylight only.
- Do not work unless the visual and lighting conditions are good! To turn the machine off, the switch has to be in "OFF" position.
- Respect municipal and communal regulations when operating the machine.
- Do not use the machine during general rest periods.
- Any hard objects — stones, metal parts etc. — have to be removed. They could be thrown away and cause personal or material damage.
- Working in high shrubs or bushes, the working height must be 15 cm as a minimum not to expose animals, such as hedgehogs at any risk.

Grass Trimming

- Working on grass areas, hold the machine at an angle of approx. 30° and make semicircle turns to the left and right. The best results are achieved with grass 15 cm high. If it is higher, it is recommended to repeat mowing several times.

CAUTION! When the machine is running never put the cutting head on the ground. If the trimming output decreases

- 1) Hold the running machine over the grass and knock the ground several times with the cutting head the nylon line will get prolonged in this way.
- 2) The cutter enclosed in the protection shield will cut the nylon line to the required length.

Caution! The nylon line remnant may be thrown off and cause an injury. If the machine is vibrating: Clean it or, where necessary, and remove the grass stuck on the cutting head and protection shield.

OPERATION

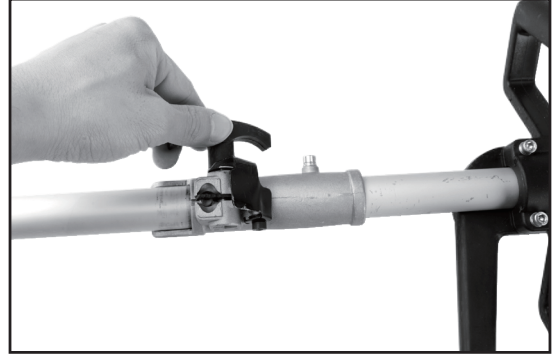
Using

SET UP THE EQUIPMENT - JOINT ATTACHMENT

Assemble the poles with coupler.

INSTALLING HANDLE

1. insert the barrier handle to the top handle
2. Fasten the 4 internal hexagonal screws with spanner.



Engine Starting And Stopping Procedures

STARTING COLD ENGINE

Move the stop switch to "START" position.

1. Give a gentle push on the primer pump repeatedly (7-10times) until fuel comes into the primer pump.
2. Cold Starta: Pull lever upto close choke.
3. Pull starter handle until engine flash fires.
- 4 Push choke lever inwards (excessive cranking with choke lever will cause flooding engine making it difficult to start).
5. Pull starter handle until engine starts6. Allow engine towam up for a few mnutes before using.

STARTING WARM ENGINE

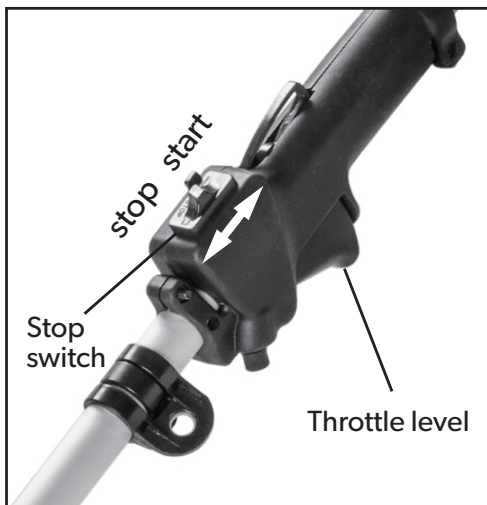
- If fuel tank was not run dry, pull starter. one to three times and should start

DO NOT USE CHOKE

- If fuel tank was run dry, after refilling repeat steps 3 thru 7 in

STOPPING THE ENGINE

- Move switch to STOP position



FUEL & OIL MIXTURE



- Never fill the fuel tank to the very top
- Never add fuel to the tank in a closed non-ventilated area
- Do not add fuel to this until close to an open fire or sparks
- Be sure to wipe off spilled fuel before attempting to start engine
- Do not attempt to refuel a hot engine

Fuel used for this model is a mixture of unleaded gasoline and approved engine lubricant. When mixing gasoline with two-cycle engine oil, use only gasoline which contains NO ETHANOL Or METHANOL (Types of Alcohol) Use Branded 89 octane or higher Unleaded gasoline known to be of good quality. This will help to avoid possible damage to engine fuel lines and other engine parts.

MIXTURE RATIO IS 25:1

GASOLINE-25 PART OIL-1 PART

Fuel mixture at the rate other than 25:1 may cause damage to the engine, Ensure mixture ratio is correct.

FUEL

The engine uses two-stroke fuel, a mixture of gasoline and 2-stroke lubricant 25:1

IMPORTANT

Two-stroke fuel may separate. Shake fuel container thoroughly before each use. Stored fuel ages. Do not mix more fuel than you expect to use within a month.

GASOLINE

Use branded 89 octane or higher unleaded gasoline known to be of good quality.

STORING FUEL

Store fuel only in a clean, safe, approved container. Check and follow local ordinances. on type and location of storage container.

FUEL AND OIL MIXTURE

Inspect fuel tank making sure that it is clean and fill with fresh fuel. Use a mixture of 25:1

PREPARING FOR OPERATIONS

IMPORTANT: Failure to follow proper fuel mix instructions may cause damage to the engine.

1. one month mixture, mix only the amount needed for the job you are to do. Do not use fuel that has been stored longer than two months. Fuel mixture stored longer than this will cause hard starting and poor performance. If fuel mix has been stored longer than this time. It should be removed and filled with fresh mixture.

WARNING



DANGER

2. Never fill the fuel tank to the very top.
3. Never add fuel to the tank in a closed non-ventilated area.
4. Do not add fuel to this unit close to an open fire or sparks.
5. Be sure to wipe off spilled fuel before attempting to start engine
6. Do not attempt to refuel a hot engine

CHECK POINTS BEFORE OPERATION

1. Check for loose bolts. Nuts and fittings.
2. Check the air cleaner for dirt. Clean the air filter of all dirt. Etc. before operation.
3. Check to be sure that protector is securely in place.
4. Check to be sure that is not leak.
5. Check to be sure the is

WARNING



DANGER

The engine exhaust from this product contains chemicals known to cause cancer, birth defects, or other reproductive harm.

MAINTENANCE & CARE

AIR FILTER

- Accumulated dust in the air filter will reduce engine efficiency. Increase fuel consumption and allow abrasive particles to pass into the engine. Remove the air filter as often as necessary to maintain in a clean condition.
- Light surface dust can readily be removed by tapping the filter. Heavy deposits should be washed out in suitable solvent.
- Remove filter cover by loosening air filter cover knob.

ADJUSTING CARBURETOR NOTE

Do not adjust carburetor unless necessary. If you have trouble with the Carburetor, see your dealer. Improper adjustment may cause engine damage And void warranty.

FUEL FILTER

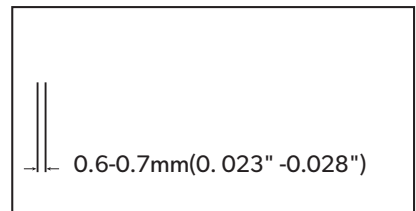
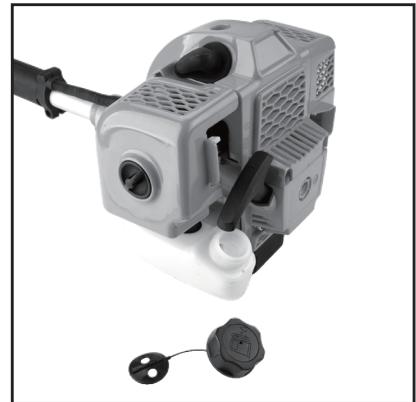
- Fuel tank is fitted with a filter. Filter is situated at the free end of fuel pipe and can be picked out through fuel port with a piece of hooked wire or The like.
- Check the fuel filter periodically. Do not allow dust to enter into fuel tank. Clogged filter will cause difficulty in starting engine or abnormalities in starting engine or abnormalities in engine performance.
- When filter is dirty, replace the filter.
- When the inside of the fuel tank is dirty, it can be cleaned by rinsing the tank out with gasoline.

CHECK SPARK PLUG

- Do not attempt to remove the plug from a hot engine in order to avoid possible damage to the threads.



FILTER COVER KNOB



0.6-0.7mm(0.023"-0.028")

TROUBLE SHOOTING

- Clean or replace the plug if fouled with heavy oily deposits.
- Replace the plug if the center electrode is worn rounded at the end.
- Spark gap 0.6-0.7mm (.023"-.028")
- Fastening torque = 145-155kg. cm (125-135in.lb)

WARNING: Always cover the metal blade with the transportation guard while transportation and storage.

TRANSPORT, HANDLING

- The engine should be turned off when the unit is moved between work areas.
- After the engine has stopped, the muffler is still hot. Never touch hot parts such as the muffler.
- Confirm that the fuel is not leaked from tank.

EXTENDED STORAGE

- Inspect, clean and repair unit if necessary.
- Remove all fuel from tank.
- Start engine-This will consume all fuel in fuel line and carburetor.
- Remove spark plug and pour one tea spoon of clean motor oil into spark plug hole of cylinder-replace spark plug.
- Store in clean, dry, dust free area.

FAILURES such as difficulty in starting engine, irregularity in functions and abnormality in performance can normally be prevented if careful attention is paid to all operating instructions and maintenance procedures.

Should the engine not function properly, check the following:

- That the fuel system is in good condition and fuel is flowing to the engine.
- The ignition system is in good condition and the spark plug, sparks correctly;
- Compression of the engine is adequate.

FAILURE TO START

- Dispose of fuel in tank.
- Insure that fuel is fresh and clean.
- Check fuel filter to make sure it is clean. (Replace filter if necessary).
- Make sure air filter elements are clean.
- Install new, properly, gapped spark plug.
- When there is serious trouble with the unit. do not try to repair it yourself but have your distributor or dealer do it for you.

FAILURE TO START

| symptom | | | | probable cause | remedy |
|-----------------------------------|-------------------------|--------------------------------|--|---|---|
| cylinder compress pressure normal | spark plug spark normal | fuel system abnormality | | these is no fuel in tank fuel filter obstruct | Add fuel in tank Clean fuel filter |
| | | fuel system normal | fuel | fuel is too dirtythere is water in fuel there is too much mixture ratio is improper | instead fuel instead fucltear down spark plug and dry itmixture peroration |
| | fuel system normal | high voltage wire spark normal | spark plug | spark plug fouled with oily depositsSpark plug insulation damage Spark gap is too large or small | clean the oil depositsreplace spark plugadjust spark gap 0.6-0.7mm |
| | | high voltage spark abnormality | | high voltage wire breach or break offcoil looseness | replace or tighten tighten |
| fuel system normal | Ignition System normal | compress press is shortage | piston ring attritepiston ring is broken piston ring cementation spark plug looseness conjoint surface of the cylinder and crank cast leak | | replace a new replaceeliminatetightene liminate |
| | | Compress normal | High voltage wire and spark Plug contact badnessStop switch failure or short circuit | | tighten the spark plug caprepair or replace |

LOW OUTPUT

| symptom | probable cause | remedy |
|--|---|--|
| flameout when speedup the smoke is thin, carburetor spout backward | fuel filter obstruct, fall short of fuel muffler fouled with oily deposits | clean fuel filter clean fue lroad,adjust carburetor clean the oily deposits |
| compress press is shortage | piston, piston ring cylinder attrite | replace piston、 piston ring |
| engine leak | Conjoint surface of the Cylinder and crank cast leak | repair |
| the end of two crank shaft leak | the seal is bad | replace seal |
| | engine overheats burning room fouled with oily deposits | avoid use it for long time.high speed and heavy load clean the oily deposits |

ENGINE RUNNING UNSTABLE

| symptom | probable cause | remedy |
|-----------------------------|--|--|
| there are metal knock sound | piston, piston ring cylinder attrite.piston pin, piston attrite bearing of crank shaft attrite | replace piston, piston ring replace piston pin, piston replace bearing |
| there are metal knock sound | engine overheats burning room fouled with oily deposits gasoline branded is unfit | avoid use it for long time.high speed and heavy load clean the oily deposits replace require branded octane |
| engine ignition break off | there is water in fuel spark gap is wrong coil gap is wrong | instead fuel adjust spark gap 0.6-0.7mm adjust coil gap 0.3 |

GRASS TRIMMER OR BRUSH CUTTER SET UP

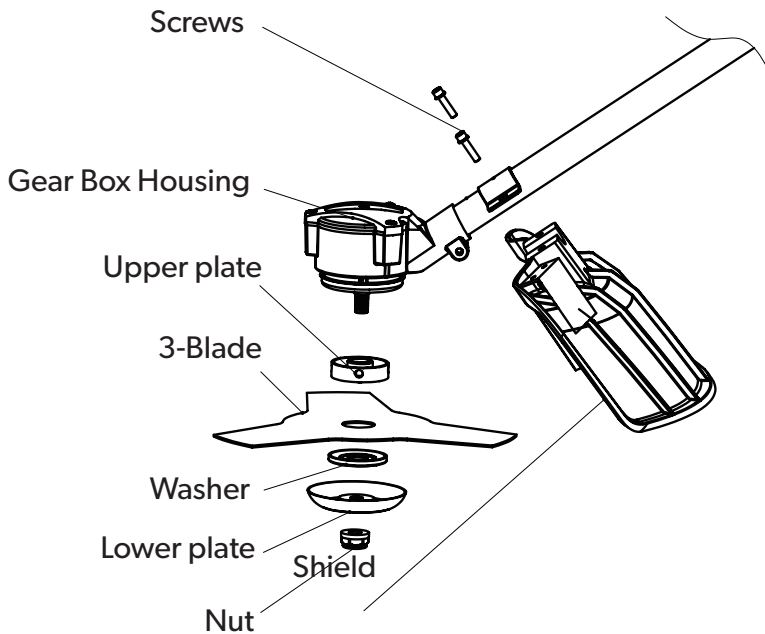
Fit the metal shield to the gear box housing. Using three screws and secure to box housing. Fit the lining to the gear box housing. Secure metal blade between upper and lower plate with nut. Make sure that cotter pin is installed.

WARNING**CAUTION**

METAL SHIELD ONLY TO BE USED WITH STEEL CUTTING BLADE

WARNING**CAUTION****EXCESSIVE VIBRATION. STOP ENGINE IMMEDIATELY**

Excessive vibration of blade means that it is not properly installed-stop engine immediately and check blade. Blade not properly installed will cause injury.



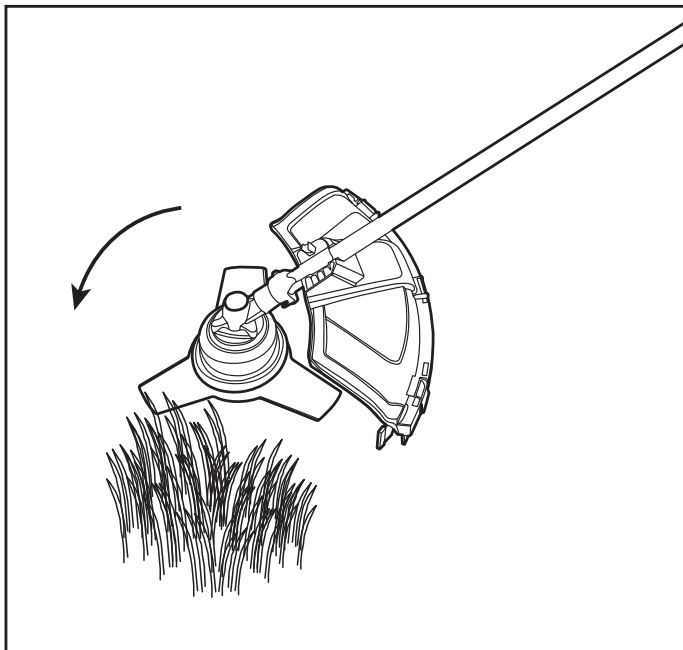
Hold the device with the right hand at the rear handle and with the left hand at the front handle. Try to hold the device at a comfortable level at your hip and always use both hands. Always make sure you maintain a steady firm, stance to maintain balance at all times.

BLADE THRUST

Take great care using the blade with the device. Thrust is a reaction that occurs when the blade hits objects that it can not cut. This can make the blade stop and “push away” the tool from the object that was unable to be cut. This reaction can be intense enough to lose control about the object, this process can occur without a warning, as soon as the blade hits an obstacle and stands still. It will occur in areas, where you cannot see exactly what you are cutting. This is why you always should cut from right to left to minimize the reactions.

CUTTING TECHNIQUES OF BLADE

1. Take great care with the blade.
2. Read SAFETY INSTRUCTIONS in your instruction manual
3. Keep the device with both hands at the handle on your right side.
4. Ensure a secure hold.
5. Make sure you stand firmly on both feet, to not loose balance because of possible setbacks.
6. Check and clean the area from hidden objects like stones, glass, fences, wood etc.
7. Never use the blade near curbs, fences, buildings or other immobile objects.



OPERATION OF POLE HEDGE TRIMMER

WARNING!

This product is equipped with extremely sharp blades, and when used improperly these blades can be extremely dangerous. Improper handling can cause accidents, which may lead to serious injury or death. For this reason, you should always be careful to follow the following instructions when using your trimmer.

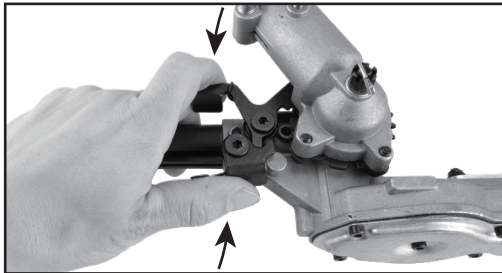
- Ensure that no one is in your work area prior to use.
- Keep away from children and pets.
- Never hold the trimmer in a way in which the blades are pointed towards someone else.
- Never allow the blades to come into proximity with your body while the engine of the trimmer is in operation.
- Always be sure to turn off the engine before changing the angle of the blades, removing branches which have become stuck in the blades, or at any other time when coming into close proximity with the blades.
- Always wear work gloves made of leather or some other sturdy material when using the trimmer.
- Always place the blade cover provided with the trimmer over the blades when not in use.
- Falling branches may fall onto the face or into the eyes, resulting in injuries, scratches, and cuts, and for this reason you should always be sure to wear a helmet and face protector when using your trimmer.

IMPORTANT

The thickness of branches, which may be cut using this trimmer, is limited to up to approximately 24 mm. Never try to cut branches thicker than this, as doing so may result in damage to the trimmer.

Adjusting The Angle Of The Cutting Blades

Adjust the Angle of the blade



1. Stop the engine.
2. Lift the lock lever and press down the adjusting lever.
3. Adjust the angle of the blades to the desired angle and loose your hand.

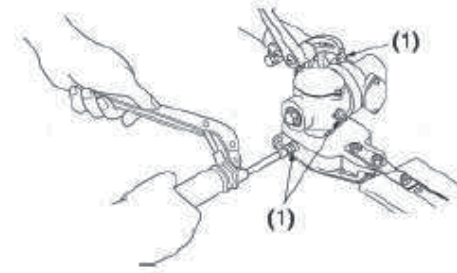
MAINTENANCE OF POLE HEDGE TRIMMER

TRANSMISSION

The reduction gears are lubricated by multipurpose grease in the transmission.

Grease should be added every 25 hours of use or more often depending on the job condition.

When adding lubricant, use a grease gun to insert lubricant into the three grease nipples located on the transmission.



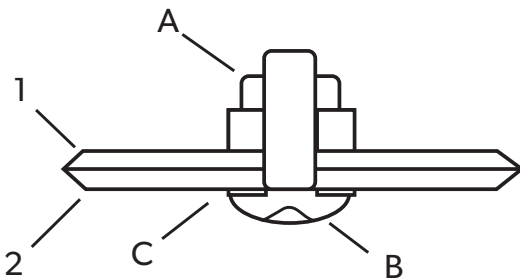
HEDGE TRIMMER BLADE:

- When refilling the tank or resting, it is often a good idea to use the time to oil the cutting blades.
- If a gap exists between the upper and lower blades, follow the procedure below to adjust them so that they fit more closely together.

1. Loosen lock nut (A) as shown in the diagram.
2. Tighten screw (B) fully, and then turn one-third to one half of a rotation backward.
3. While holding onto the screw to keep it in position, tighten the lock nut.
4. Check to make sure that the flat washer (C) is loose enough so that it may be turned by pressing on it with

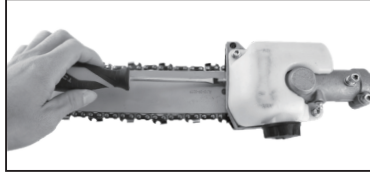
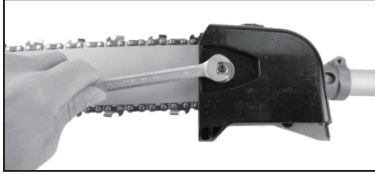
NOTE!

Screwing in the screw too tightly may make it impossible for the blades to move. Conversely, not screwing in the screw tightly enough may make the blades of the trimmer feel dull and cause leaves and branches to become caught in the blades of the trimmer



INSTALLING THE GUIDE BAR AND SAW CHAIN

Chain Tension Set Up



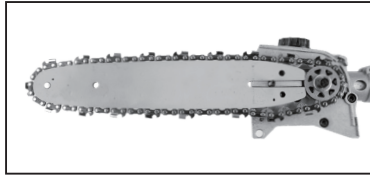
The saw chain has very sharp edges. Use protective gloves for safety.

Always pay attention to the chain tension. A slackened chain will increase the risk of backlash. If slackened, the chain could spring out of the guide, could cause injury to the operator and as well as damage to the unit. A slackened chain wears out very quickly and the sprocket wheel and the guide bar wears out

Change Guide Bar or Saw Chain

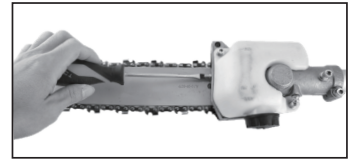
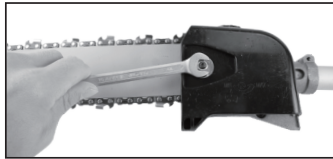
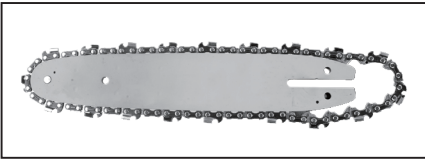
REMOVE THE GUIDE BAR AND SAW CHAIN

1. Unscrew the fixing nut and remove the chain wheel guard.
2. Remove the saw chain and guide bar.
3. Now you can change the bar or the saw chain.

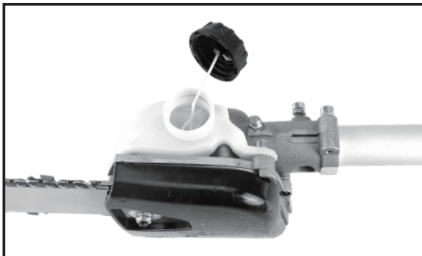


Installing The Guide Bar and Saw Chain

1. Place the sawing chain onto the sawing rail.
2. Position the guide bar so that the chain tensioning stud projects into the guide bar, Ensure that the saw chain runs in the correct direction!
3. Attach the chain wheel protection and then tighten the fixing bolt lightly.
4. Tighten the tensioning screw.
5. Tighten the fixing nut.



Pole chain saw only:
Feed the chain oil into the oil tank and tighten the cap securely.



NOTE!

The chain should not sag, but it should be possible to pull it a few millimeters away from the saw rail.

Operation Of Pole Saw

WARNING

1. Always wear work gloves made of leather or some other sturdy material when using the pole saw.
2. Falling branches may fall onto the face or into the eyes, resulting in injuries, scratches, and cuts, and for this reason you should always be sure to wear a helmet and face protector when using your pole saw.
3. Beware of the rebound branches after they fall down and hit the ground.

CHECKING OIL SUPPLY

After starting the engine, run the chain at medium speed and see if chain oil has scattered off.

NOTE!

The oil reservoir has a capacity sufficient to provide about 40 minutes of cutting time (when set to deliver the minimum flow rate, or about as long as you'll get from a tank of fuel). Be sure to refill the oil tank every time when refueling the saw.

ADJUSTING OIL FLOW RATE

WARNING

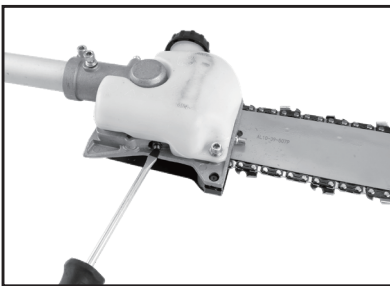
Never fill the oil reservoir nor adjust the oiler with the engine running.

An increase in bar oil flow rate will speed oil consumption, requiring more frequent checks on the oil reservoir. To ensure sufficient lubrication, it may be necessary to check the oil level more frequently than at fuel tank refills.

The guide bar and chain are lubricated automatically by a pump that operates whenever the chain rotates. The pump is set at the factory to deliver a minimum flow rate, but it can be adjusted in the field. A temporary increase in oil flow is often desirable when cutting things like hardwood or wood with a lot of pitches.

Adjust the pump as follows:

1. Stop the engine and make sure the stop switch is in the "O" position.
2. Place the unit on its side with the oil reservoir up.
3. With a screwdriver, push in on the oil flow rate adjusting screw and turn in the desired direction



IMPORTANT

The oil flow adjusting screw must be pressed in slightly in order to turn. Failure to do so could damage the pump and screw.

Working with the pole chain saw:

- Do not work with an angle higher than 60°. The pole saw will work under higher degrees, but there is the danger of being injured by branches falling without warning. Keep an eye at the ground while working to avoid tripping over fallen branches.
- Never use the pruner without oil, use bio-degradable chainsaw oil. Please keep in mind that this pruner, like all chainsaws, flings oil from the chain during operation. Protect yourself from falling oil drops with suitable protective glasses and clothing.
- To operate the pruner, press down the throttle lockout and then pull the throttle trigger.
- The pruner is equipped with a low-kickback chain and it was also done everything from an engineering point of view to keep kickback low. Nevertheless, some kickback can not be avoided when cutting with the upper tip of the blade. Be prepared for some kickback when using this area of the blade or hitting another branch with this area. Always hold the unit firmly in both hands.
- Thin branches can be cut off with one single cut. To prevent the branch from splintering and buckling the branch should be cut off in several pieces.
- When cutting off larger branches, you should first cut into the branch from below. First cut into the branch from below outside the place where you intend to cut off the branch. The cut should go from one third to halfway through the branch. This prevents the branch from buckling when you cut into the branch from the top outside the first cut. Last, cut off the stump with one clean cut. You might want to seal the cut with a suitable compound.

OPERATION

1. Always be sure to turn off the engine before changing the angle of the blades, removing branches which have become stuck in the blades, or at any other time when coming into close proximity with the blades.
2. Always wear work gloves made of leather or some other sturdy material when using the trimmer.
3. Always place the blade cover provided with the trimmer over the blades when not in use.
4. Falling branches may fall onto the face or into the eyes, resulting in injuries, scratches, and cuts, and for this reason you should always be sure to wear a helmet and face protector when using your trimmer.



First cut



Second cut



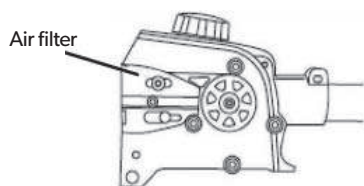
Third cut

**POLE CHAIN SAW
OILING PORT**

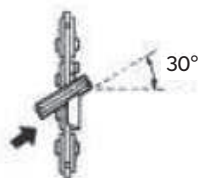
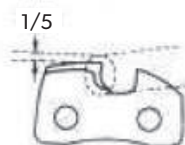
Dismount the guide bar and check the oiling port for clogging.

GUIDE BAR

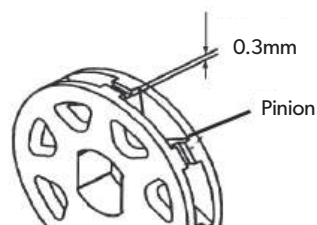
Remove sawdust in the bar groove and the oiling port.

**CUTTER SETTING STANDARDS**

The bar rail should always be a square. Check for wear of the bar rail. Apply a ruler to the bar and the outside of a cutter. If a gap is observed between them, the rail is normal. Otherwise, the bar rail is worn. Such a bar needs to be corrected or replaced.

**SPROCKET**

Check for extensive wear, and replace it when the teeth are worn over 0.3 mm.



SAW CHAIN

WARNING!

It is very important for smooth and safe operation to keep the cutters always sharp.

Your cutters need to be sharpened when:

1. Sawdust becomes powder-like.
2. You need extra force to saw in.
3. The cut way does not go straight.
4. Vibration increases.
5. Fuel consumption increases.

CUTTER SETTING STANDARDS

WARNING!

Be sure to wear safety gloves. Before filing:

6. Make sure the saw chain is held securely
7. Make sure the engine is stopped.
8. Use a round file of proper size for your chain.
9. Chain type : 91PJ
10. File size : 5/32 in (4.0 mm)

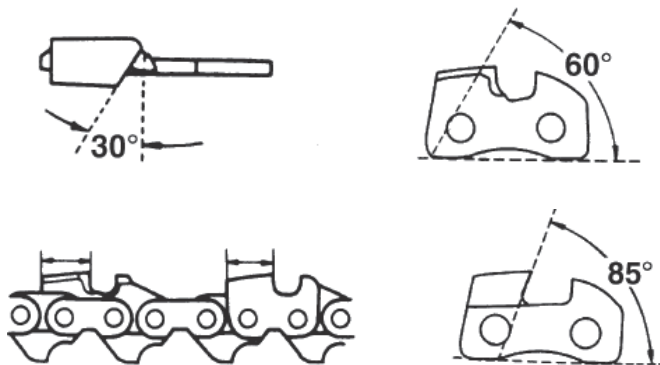
Place your file on the cutter and push straightforward. Keep the file position as illustrated.



After every cutter has been set, check the depth gauge and file it to the proper level as illustrated.

NOTE!

Be sure to round off the front edge to reduce the chance of kickback or tie-strap breakage. Make sure every cutter has the same length and edge angles as illustrated.



TRANSMISSION

The reduction gears are lubricated by multipurpose, lithium-based grease in the transmission. Supply new grease every 25 hours of use or more often depending on the job condition. When adding lubricant, use a grease gun to insert lubricant into the three grease nipples located on the transmission.

CE DECLARATION OF CONFORMITY

WE

SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA

Declare that the product

79618

4-IN-1 MULTI-FUNCTION

PETROL GARDEN TOOL

Complies with the essential health and safety requirements of the following

Directices:

EC Council Directive 2006/42/EC Machinery

Standards and technical specifications referred to:

EC Council Directive 2006/42/EC Machinery

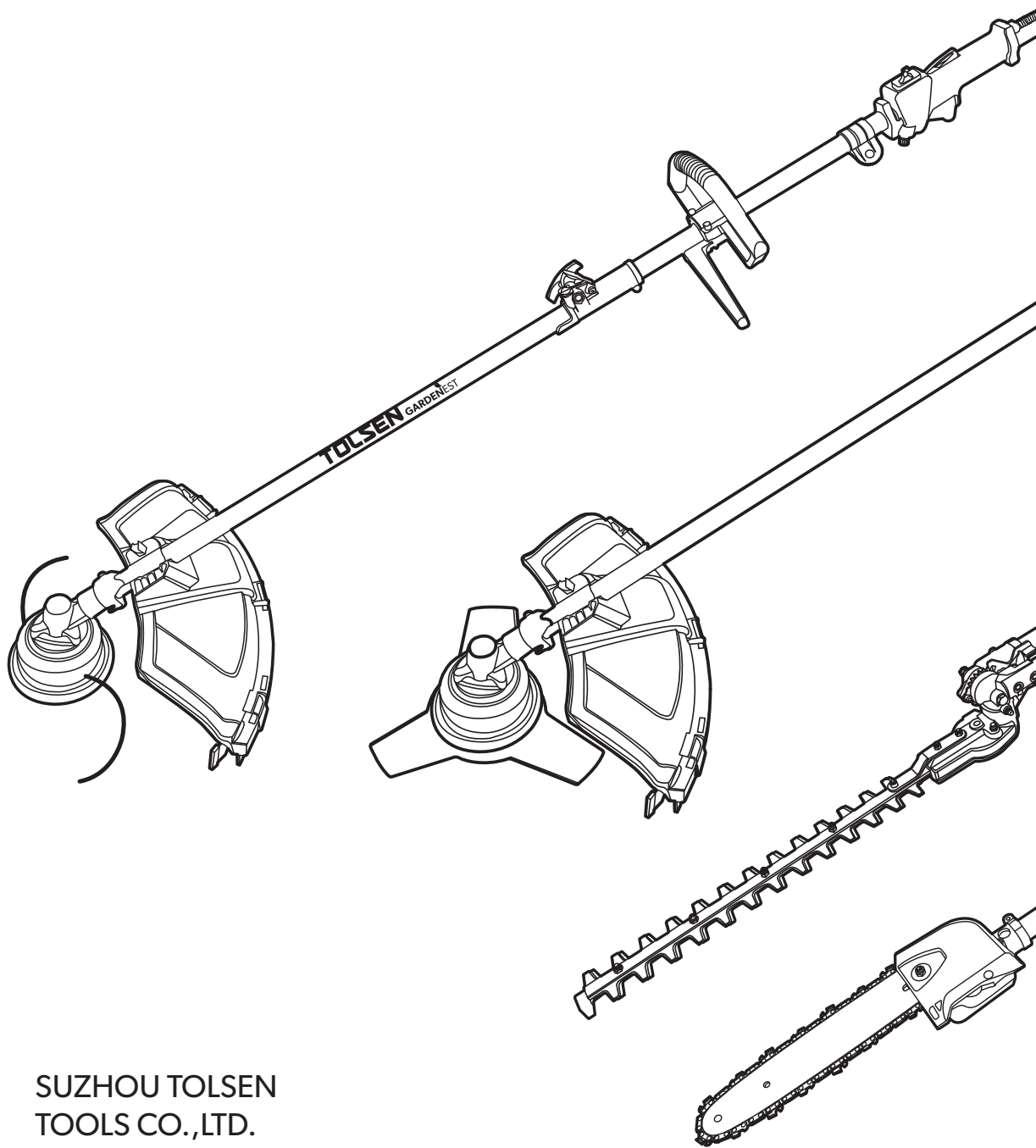
Authorised Signatory and technical file holder

Signed for and on behalf of:

SUZHOU TOLSEN TOOLS CO.,LTD.
198 HUASHAN ROAD, ZHANGJIAGANG,
JIANGSU, CHINA
ZHANG XING YU
Group Quality Director

on:12/01/2024





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TOOLS CO.,LTD.**

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