



Kiam Sherwood Multi-Tool

Petrol Strimmer, Brush Cutter, Hedge Trimmer, Pruner

Instructions Manual

Read instructions manual before use!



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SAFETY FIRST

Instructions will contain warnings within this manual, they will be marked with a  symbol concerning critical points which must be taken into consideration to prevent any possible serious bodily injury. You are requested to read all such instructions carefully and follow them without fail.

WARNINGS IN THE MANUAL

WARNING

This mark indicates instructions which must be followed in order to prevent accidents that could lead to serious bodily injury or death.

IMPORTANT

This mark indicates instructions which must be followed to prevent any mechanical failures, breakdowns and/or damage.

NOTE

This mark indicates hints or directions that are useful in the use of this machine.

1. Specification

Description	5in1 Petrol Multifunction Garden Tool
Model / Type	Sherwood 58G
Accessories	1 Adjustable carrying strap with shoulder pad 1 Mixing tank 1 Tool Kit

Engine

Engine model	IE44-5F
Engine type	2-Stroke - vertical single cylinder
Engine speed (Idle / Max)	3200 min ⁻¹ / 9000 min ⁻¹
Compression ratio	7:1
Fuel / oil ratio	25:1
Fuel tank capacity	1200cm ³
Ignition	CDI system
Spark plug	L7T or equivalent
Starting method	Recoil (manual)
Cooling system	Forced air
Sound pressure level (LPA)	102dB(A) K=3dB(A)
Sound power level (LWA)	112dB(A) K=3dB(A)
Vibration level max. (idling /running)	5.11m/s ² / 9.66m/s ² (K=1.5m/s ²)
Dry weight (approx.)	7.5kg

Brush cutter and strimmer

Cutting device	Metal blade (3 teeth)	Nylon thread spool
Cutting device dimensions	255 x 25.4 x 1.6mm	Thread diameter 2.5mm
Cutting diameter	255mm	380mm
Blade rotation direction	Counterclockwise (from operator's view)	
Max rotation speed (max engine speed)	7100 min ⁻¹	6600 min ⁻¹
Dry weight with attachment	5.9kg (approx.)	5.2kg (approx.)

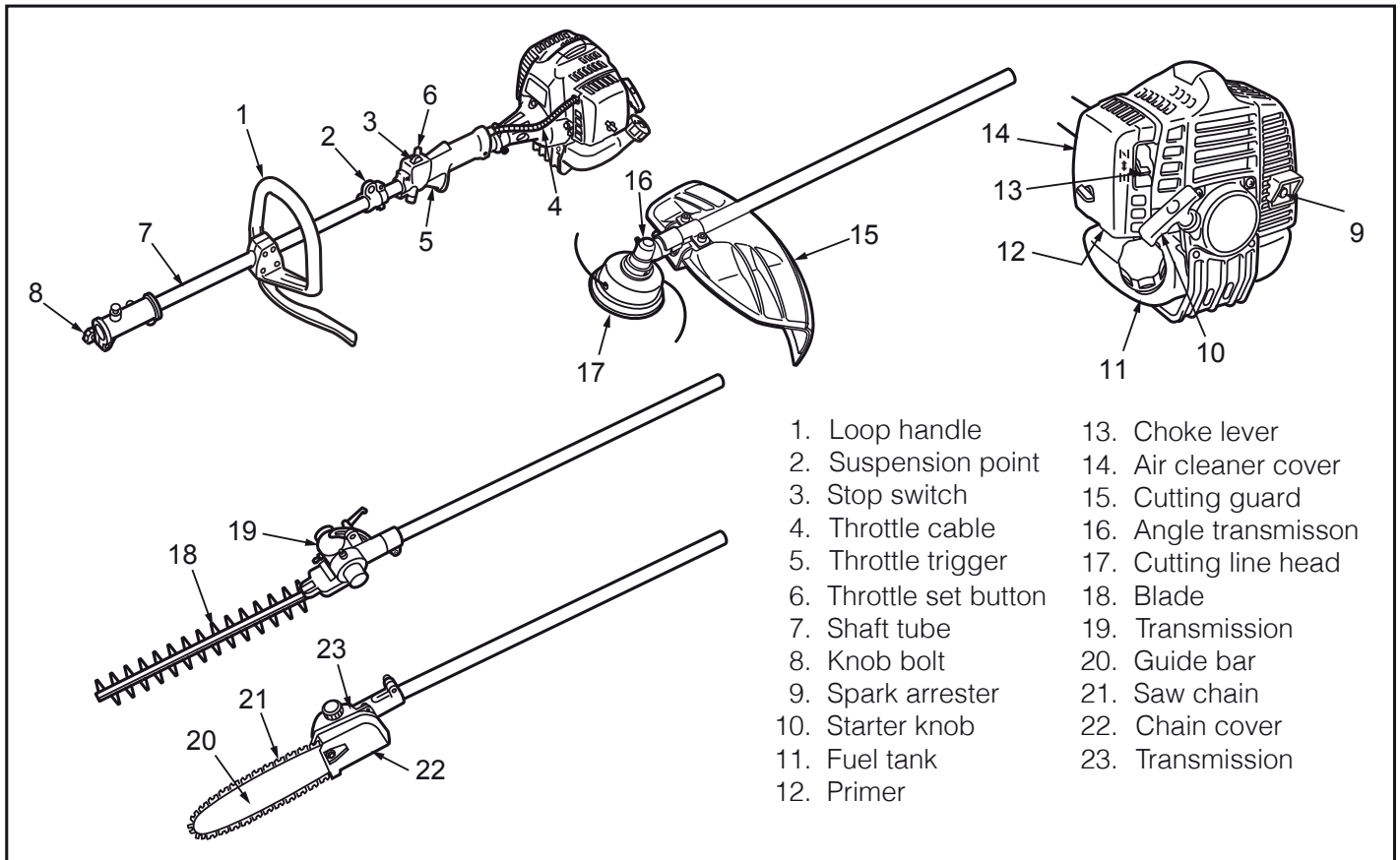
Pole Pruner

Chain and Guide Bar	8" (200mm)
Cutting length	200mm
Chain: Teeth: 40 / Gauge: 0.050" / Pitch 3/8" / no load speed 15m/s	
Oil tank	120cm ³
Dry weight with attachment	7.5kg (approx.)

Hedge trimmer

Blade holder	400mm
Blade spacing	19mm
Max cutting diameter	≤ 5mm
Working angle adjustment	From 90° to 270°
Dry weight with attachment	8.9kg (approx.)

2. Parts location



3. Warning labels on the machine



- (1) Read owner's manual before operating this machine.
- (2) Wear head, eye and ear protection.
- (3) Wear foot protection.
- (4) Wear gloves.
- (5) Beware of thrown objects.
- (6) Warning / Attention.
- (7) Keep all people 15 meters away from the machine.

⚠ Never modify your machine. We will not warrant the machine if you use a modified machine or if you do not follow the proper usage written in this manual.

4. Symbols on the machine

For safe operation and maintenance, symbols are carved in relief on the machine. According to these indications, please be careful not to make a mistake.



The opening to refuel the "PETROL MIX"
Position: FUEL TANK CAP



The direction to close the choke
Position: AIR CLEANER COVER



The direction to open the choke
Position: AIR CLEANER COVER



Screw direction to increase/decrease chain oil flow.
Position: Bottom of the TRANSMISSION

▲ 5. For safe operation

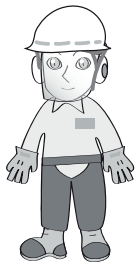


1. Read this manual carefully until you completely understand and follow all safety and operating instructions. Also know how to stop the machine quickly in the case of an emergency.
2. Keep this manual handy so that you may refer to it later whenever any questions arise. Also note, if you have any questions which cannot be answered herein, contact the dealer from whom you purchased the product.
3. Always be sure to include this manual when selling, lending, or otherwise transferring the ownership of this product.
4. Never allow children or anyone unable to fully understand the directions given in the manual to use the machine.



WORKING CONDITION

1. When using the product you should wear proper clothing and protective equipment. (Available at www.kiamproducts.co.uk)



- (1) Helmet
- (2) Ear protectors
- (3) Protection goggles or face protector
- (4) Thick work gloves
- (5) Non-slip-sole work boots

2. And you should carry with you.
 - (1) Attached tools
 - (2) Properly reserved fuel
 - (3) Spare blade
 - (4) Things to notify your working area (rope, warning signs)
 - (5) Whistle (for collaboration or emergency)
 - (6) Hatchet or saw (for removal of obstacles)
 - (7) First-aid kit



3. Do not wear loose clothing, jewelry, short trousers, sandals, or go barefoot. Do not wear anything which might be caught by a moving part of the unit. Secure hair so it is above shoulder length.



WORKING CIRCUMSTANCE

1. Never start the engine inside a closed room or building. Exhaust

gases contain dangerous carbon monoxide.

2. Never use the product,
 - a. when the ground is slippery or when you can't maintain a steady posture.
 - b. At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the working area.
 - c. During rain, during storms at times of strong or gale-force winds, or at any other times when weather conditions might make it unsafe to use the product.



WORKING PLAN

1. You should never use the product when under the influence of alcohol, when suffering from exhaustion or lack of sleep, when suffering from drowsiness as a result of having taken cold medicine or at any other time when a possibility exists that your judgment might be impaired or that you might not be able to operate the product properly and in a safe manner.
2. When planning your work schedule, allow plenty of time to rest. Limit the amount of time over which the product is to be used continuously to somewhere around 30 ~ 40 minutes per session, and take 10 ~ 20 minutes of rest between work sessions. Also try to keep the total amount of work performed in a single day under 2 hours or less.



▲ WARNING

1. If you don't observe the working time, or working manner (See "USING THE PRODUCT"), Repetitive Stress Injury (RSI) could occur.

If you feel discomfort, redness and swelling of your fingers or any other part of your body, see a doctor before getting worse.

2. To avoid noise complaints, in general, operate product between 8 a.m. and 5 p.m. on weekdays and 9 a.m. to 5 p.m. on weekends.



⚠ 5. For safe operation

BEFORE STARTING THE ENGINE



1. The area within a perimeter of 15 m of the person using the product should be considered a hazardous area into which no one should enter. If necessary, yellow warning rope, warning signs should be placed around the perimeter of the area. When work is to be performed simultaneously by two or more persons, care should also be taken to constantly look around or otherwise check for the presence and locations of other people working so as to maintain a distance between each person sufficient to ensure safety.
2. Check the condition of working area to avoid any accident by hitting hidden obstacles such as stumps, stones, cans, or broken glass.

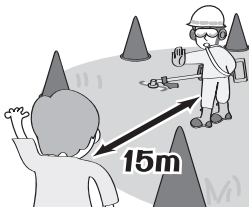
❗ IMPORTANT

Remove any obstacle before beginning work.

3. Inspect the entire unit for loose fasteners and fuel leakage. Make sure that the cutting attachment is properly installed and securely fastened.
4. Be sure the cutting attachment guard is firmly attached in place.
5. Always use the harness. Adjust the strap for comfort before starting the engine. The strap should be adjusted so the left hand can comfortably hold the handlebar grip approximately waist high.

STARTING THE ENGINE

1. Keep bystanders and animals at least 15 m away from the operating point. If you are approached, immediately stop the engine.
2. The machine is equipped with a centrifugal clutch mechanism, so the cutting attachment will begin to rotate as soon as the engine is started. When starting the engine, place it onto the ground in a flat open area and hold it firmly into place to ensure neither the cutting part or throttle come into contact with any obstacle when the engine starts.



⚠ WARNING

Never place the throttle into the high-speed position when starting the engine.

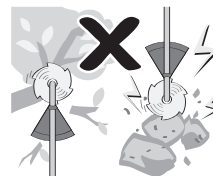
3. After starting the engine, check to make sure that the cutting attachment stops rotating when the throttle is moved back fully to its original position. If it continues to rotate even after the throttle has been moved back fully, turn off the engine and call your authorized Kiam dealer.

USING THE PRODUCT

❗ IMPORTANT

Cut only materials recommended by the manufacturer. And use only for tasks explained in the manual.

1. Grip the handles firmly with both hands using your whole hand. Place your feet slightly apart (slightly further apart than the width of your shoulders) so that your weight is distributed evenly across both legs, and always be sure to maintain a steady, even posture while working.
2. Keep cutting attachment below waist level.
3. Maintain the speed of the engine at the level required to perform cutting work, and never raise the speed of the engine above the level necessary.
4. If the unit starts to shake or vibrate, turn off the engine and check the whole unit. Do not use it until the trouble has been properly corrected.
5. Keep all parts of your body away from rotating cutting attachment and hot surfaces.
6. Never touch the muffler, spark plug, or other metallic parts of the engine while the engine is in operation or immediately after shutting down the engine. Doing so could result in serious burns or electrical shock.
7. Never operate the pruner at an angle greater than 60° in order to reduce the risk of being struck by falling objects during operation.



⚠ 5. For safe operation

⚠ WARNING

Approaching or contacting electric power lines with pruning saw may cause serious injury or death from electrocution.

Electricity can jump from one point to another by means of arcing or may be conducted through damp branches. Maintain a clearance of at least 15m between Pole saw and any electrical line carrying live current.

• IF SOMEONE COMES

1. Guard against hazardous situations at all times. Warn adults to keep pets and children away from the area. Be careful if you are approached. Injury may result from flying debris.
2. If someone calls out or otherwise interrupts you while working, always be sure to turn off the engine before turning around.

MAINTENANCE

1. In order to maintain your product in proper working order, perform the maintenance and checking operations described in the manual at regular intervals.
2. Always be sure to turn off the engine and disconnect the spark plug wire before performing any maintenance or checking procedures.

⚠ WARNING

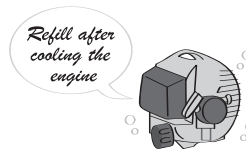
The metallic parts reach high temperatures immediately after stopping the engine.

3. In the event that any part must be replaced or any maintenance or repair work not described in this manual must be performed, please contact your authorized Kiam dealer.
4. Under no circumstances should you ever take apart the product or alter it in any way. Doing so might result in the product becoming damaged during operation or the product becoming unable to operate properly.



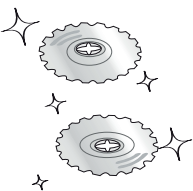
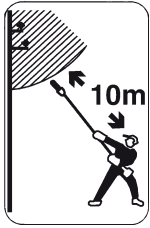
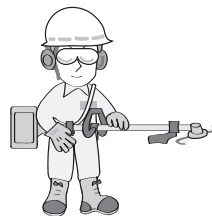
HANDLING FUEL

1. The engine is designed to run on mixed fuel which contains highly flammable petrol. Never store cans of fuel or refill the tank in any place where there is a boiler, stove, wood fire, welding sparks, electrical sparks or any other source of heat or fire which might ignite the fuel.
2. Never smoke while operating the unit or refilling its fuel tank.
3. When refilling the tank, always turn off the engine and allow it to cool down. Take a careful look around to make sure that there are no sparks or open flames anywhere nearby before refueling.
4. Wipe spilled fuel completely using a dry rag if any fuel spillage occurs during refueling.
5. After refueling, screw the fuel cap back tightly onto the fuel tank and then carry the unit to a spot 3 m or more away from where it was refueled before turning on the engine.



TRANSPORTATION

1. When hand-carrying the product, cover over the cutting part if necessary, lift up the product and carry it paying attention to the blade.
2. Never transport the product over rough roads over long distances by vehicle without removing all fuel from the fuel tank. If doing so, fuel might leak from the tank during transport.



⚠ 5. For safe operation

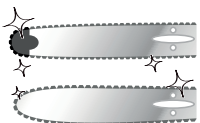
KICKBACK SAFETY PRECAUTIONS FOR PRUNER USERS

⚠ WARNING



- Kickback may occur when the nose or tip of the guide bar touches an object or when the wood closes in and pinches the pruner in the cut. Contact with the tip may in some cases cause a sudden jolt kicking the guide bar up and back towards the operator. Pinching the chain along the top of the guide bar may suddenly push the guide bar back towards the operator. Either of these reactions may cause you to lose control of the machine which could cause serious personal injury.
- Do not entirely rely on safety devices built onto your machine. As a pruner user you should take several steps to keep cutting jobs free from accidents or injury.

- (1) With basic understanding of kickback you can reduce or eliminate the element of surprise. Sudden surprise contributes to accidents.
- (2) Keep a good grip on the machine with both hands, the right hand on the throttle and the left hand on the handle. Always use a firm grip to help reduce kickback and maintain control of the machine.
- (3) Make certain that the area in which you are cutting is free from obstructions. Do not let the nose of the guide bar touch a log, branch or any other obstruction which could be hit whilst you are operating the machine.
- (4) Cut at high engine speeds.
- (5) Follow the chainsaw chain manufacturers for sharpening and maintenance instructions.
- (6) Only use replacement bars and chains specified by the manufacturer.



⚠ WARNING

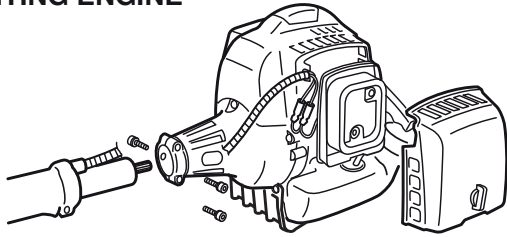
- Make sure the chain and sprocket are correctly adjusted before operating the pruner. Never attempt chain adjustment with the engine running!
- Always make sure the cutting attachment is properly installed and firmly tightened before operation.
- Never use a cracked or warped guide bar: replace it with a serviceable one and make sure it fits properly.
- If a saw blade should bind fast in a cut, shut off the engine immediately. Push the branch or tree to ease the bind and free the blade.
- Do not operate the pole pruner with the muffler removed.
- When cutting a limb that is under tension, be alert for springback so that you will not be struck by the moving limb.
- Always stop the engine immediately and check for damage if you strike a foreign object or if the machine becomes tangled. Do not operate with broken or damaged equipment.

❗ IMPORTANT

- Do not make unauthorized modifications or substitutions to the guide bar or chain.
- Never allow the engine to run at high RPM without a load. Doing so could damage the engine.
- Keep the pruner as clean as possible. Keep it free of loose vegetation, mud, etc

6. Setup

MOUNTING ENGINE



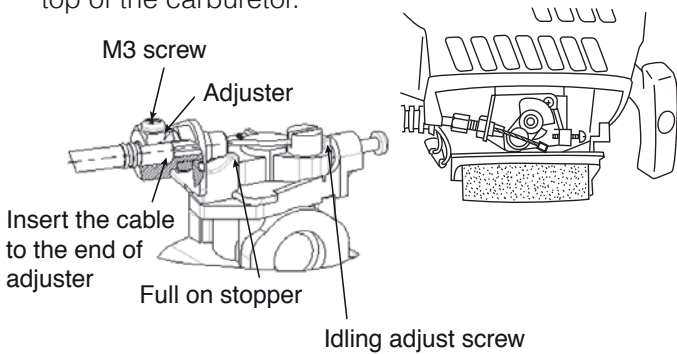
1. Push the shaft tube towards the clutch housing and rotate the drive by hand to check that it is engaged with the gears.
2. Insert the shaft tube into the clutch housing and align the positioning hole on the clutch housing and the shaft tube. Install the screw.
3. Fasten the clamp securely with two screws.

IMPORTANT

Tighten the screws gradually.

CONNECTING THROTTLE WIRE

1. Remove the air filter cover.
2. Connect the end of the throttle wire to the joint on the top of the carburetor.



3. Connect throttle wire with carburetor. Insert the cable to the end of adjuster fix the throttle cable by tightening M3 screw. (Tightening torque: 0.4 ~ 0.8 N.m.)
4. Make sure the 'STOPPER-PLATE' of carburetor moves to contact with 'IDLING ADJUST SCREW' and the 'SWING-ARM' of carburetor moves to contact with 'FULL ON STOPPER' by gripping throttle lever.

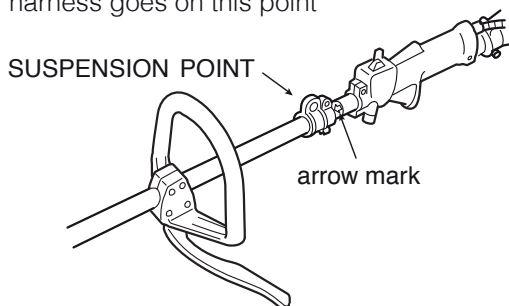
CONNECTING SWITCH WIRES

- Connect the switch wires between the engine and the main unit. Pair the wires of the same colour.

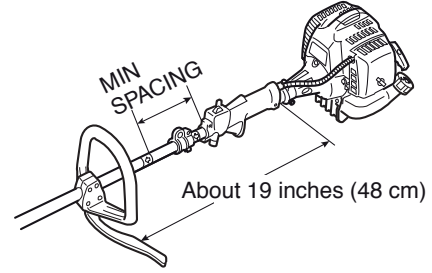
SUSPENSION POINT

NOTE

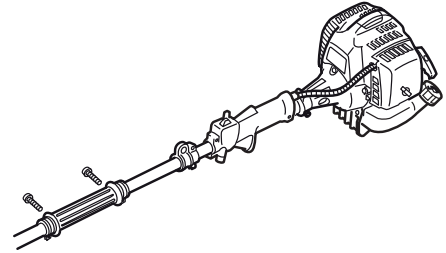
Shoulder harness goes on this point



INSTALLING HANDLE

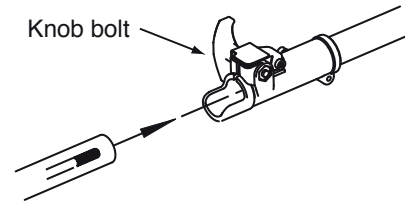


- Mount the handle to the shaft tube and suspension point at a location that is comfortable for you.



- Install the shaft grip to the shaft tube and clamp down at a position most suitable for you.

JOINT ATTACHMENT



- Insert the attachment to the main shaft.
- Tighten the knob bolt securely.

HARNES

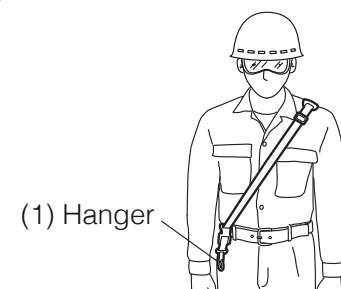
WARNING

ALWAYS WEAR THE PROVIDED HARNES WHEN USING THE MACHINE!

Always make sure the machine is hooked securely to the harness. If you don't, you will not be able to control the machine safely. This may result in injury to yourself and/or others. Never use a harness with a defective quick release or any other damage.

HOW TO WEAR HARNES

1. Wear the provided harness with the hanger on your right side.



6. Setup

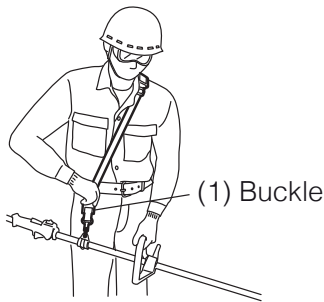
HARNESS QUICK RELEASE

The harness is equipped with a quick release mechanism to help release the machine from the harness in emergency situations.

▲ WARNING

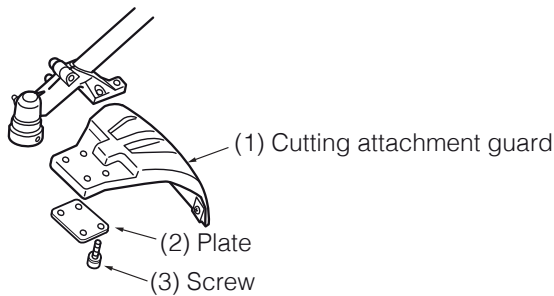
Make sure to check the quick release mechanism is working correctly BEFORE operating the machine. Make sure to hold the machine securely when using the quick release.

While holding the unit by your right hand securely, press both sides of the buckle.

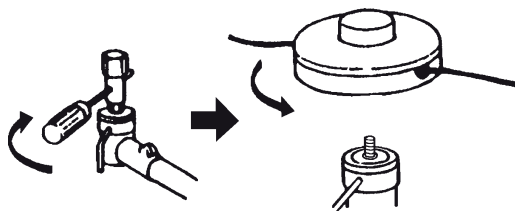


INSTALLING CUTTING ATTACHMENT GUARD

- Put the cutting attachment guard on the gearbox, attach it with 4 screws.



INSTALLING CUTTING HEAD

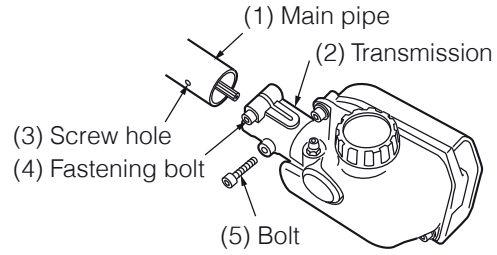


- Lock the gear shaft into position to stop it from rotating by inserting the supplied tool into the upper holder on the gearbox, loosen and remove the nut.
- Screw in the cutting head to the gear shaft over the holders and tighten securely.

BALANCING THE UNIT

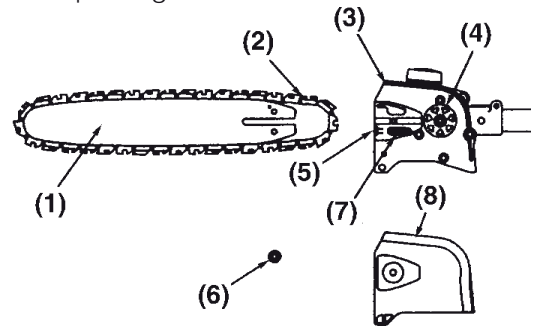
- Adjust the bands of the harness to have the blade parallel to the ground when standing in your normal working position to provide you with the most comfort whilst operating the machine

ATTACHING THE PRUNER



- Remove the cap on the end of the drive shaft.
- Remove the screw from the end of the transmission.
- Insert the end of the gear case into the drive shaft
- Line up the hole on the end of the transmission with the hole on the drive shaft and screw in firmly.
- Screw the bolt to fix the mechanism into place.

A standard package contains the items as shown below.



- (1) Guide bar
- (2) Saw chain
- (3) Transmission
- (4) Sprocket
- (5) Chain tension adjust screw
- (6) Nut
- (7) Chain tensioner nut
- (8) Chain cover

Install the guide bar and the saw chain on the transmission as follows.

▲ WARNING

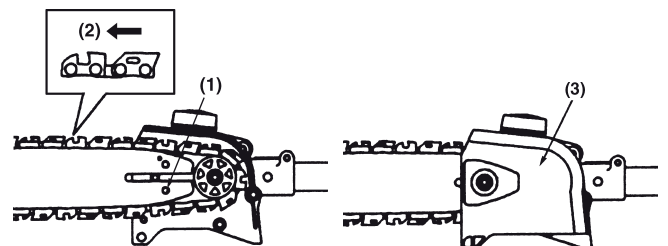
The chain has very sharp edges, always use protective gloves for safety.

- Loosen the nut and remove the chain cover.
- Mount the guide bar then fit the chain around the bar and sprocket.

▲ WARNING

Pay attention to the correct direction of the chain.

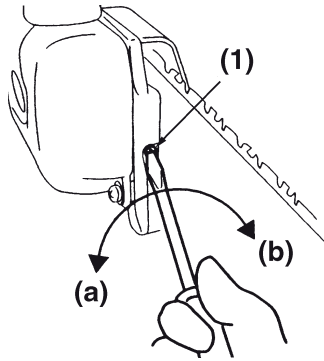
- Fit the chain tensioner nut into the lower hole of the guide bar, then install the chain cover, and fasten the mounting nut to finger tightness.



- (1) Hole
- (2) Moving direction
- (3) Chain tensioner nut

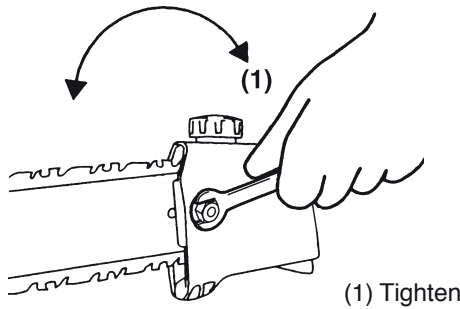
6. Setup

- Adjust the chain tension by turning the tensioner screw until the bottom of the chain touches the bottom of the guide bar.



(1) Chain tension adjusting screw
(a) Loosen (b) Tighten

- Tighten the mounting nut securely with the bar tip held up (TORQUE: 9.0 ~ 1.7 N.m. / 90 ~ 120kg-cm-). Then check the chain for smooth rotation and correct tension while moving it by hand. Re-adjust if necessary.



(1) Tighten

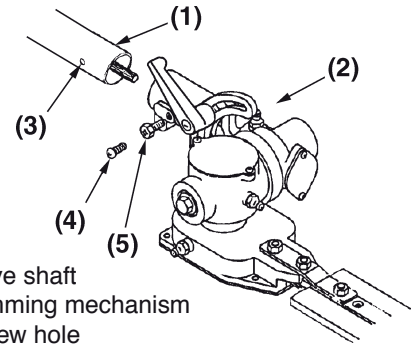
▲ WARNING

It is very important to maintain the correct chain tension. Rapid wear of the guide bar or the chain coming off easily can be caused by incorrect tension. Check chain tension regularly, especially with a new chain, as it should expand after first use.

BALANCING THE UNIT

- Depending on your working posture, slide the harness suspension point up/down the main shaft of the machine until the unit balances.

ATTACHING THE HEDGE TRIMMER



(1) Drive shaft
(2) Trimming mechanism
(3) Screw hole
(4) Screw
(5) Fastening bolt

- Remove the screw from the end of the hedge trimmer.
- Insert the end of the hedge trimmer into the drive shaft.
- Line up the hole on the end of the hedge trimmer with the hole in the drive shaft, screw firmly into place.
- Screw the bolt in to fix the hedge trimmer into place.

BALANCING THE UNIT

- Depending on your working posture, slide the harness suspension point up/down the main shaft of the machine until the unit balances.

7. Fuel

■ FUEL

⚠ WARNING

- **Petrol 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. Use outdoor grounds for refueling and move at least 3m (10 ft) away from the fueling point before starting the engine.**



- The engines are lubricated by oil specially formulated for air-cooled 2-stroke petrol engine use. If Kiam 2-stroke oil is not available, use a red semi-synthetic 2-stroke oil.
- Do not use BIA or TCW (2-stroke water-cooling type) mixed oil.



■ RECOMMENDED MIXING RATIO PETROL 25 : OIL 1

- **Exhaust emission are controlled by the fundamental engine parameters and components (eq., carburation, ignition timing and port timing) without addition of any major hardware or the introduction of an inert material during combustion.**
- These engines are certified to operate on unleaded petrol.
- If you use petrol of a lower octane value than described there is danger that the engine temperature may rise which may cause an engine pistone to seize.
- Unleaded petrol is recommended to reduce the contamination of the air for the sake of your health and the environment.
- Poor quality petrol or oils may damage sealing rings, fuel lines or fuel tank of the engine.

■ HOW TO MIX FUEL

⚠ WARNING

- Pay attention to agitation.
1. Measure out the quantities of petrol and oil to be mixed.
 2. Put some of the petrol into a clean, approved fuel container.
 3. Pour in all of the oil and mix thoroughly.

4. Pour in the rest of the petrol and mix thoroughly again. As some oils may be more difficult to mix depending on the oil ingredients, sufficient mixing is necessary to help improve the engines life. Be careful that if mixing is insufficient there is increased danger of early piston seizing due to lack of lubrication.
5. Indicate the contents inside the container by placing a clear indication on the outside of the container for easy identification and to avoid mixing up with petrol or any other containers.

■ FUELING THE UNIT

1. Untwist and remove the fuel cap. Rest the cap on a dustless place.
2. Put fuel into the fuel tank to 80% of the full capacity.
3. Fasten the fuel cap securely and wipe up any fuel spillage around the unit.

⚠ WARNING

1. Select clear flat ground for fueling.
2. Move at least 10 feet (3 meters) away from the fueling point before starting the engine.
3. Stop the engine before refueling the unit. At that time, be sure to sufficiently agitate the mixed gasoline in the container.

■ FOR YOUR ENGINE LIFE, AVOID:

1. **FUEL WITH NO OIL (PURE PETROL)** - It WILL cause severe damage to the internal engine parts immediately.
2. **GASOHOL** - It can cause deterioration of rubber and/or plastic parts and disrupt engine lubrication.
3. **OIL FOR 4-STROKE ENGINES** - It can cause spark plug fouling, exhaust blockages or piston ring sticking.
4. Mixed fuels which have been left unused for a period of one month or more may clog the carburetor and result in the engine failing to operate properly.
5. In the case of storing the product for a long period of time, clean the fuel tank after completely emptying it. Start the engine to empty the carburetor of any remaining fuel.
6. In the case of disposing of used mixing containers, only scrap it at authorized sites.

📖 NOTE

- As for details of quality assurance, read the description section Limited Warranty carefully. Normal wear and change in product with no fuctional influence are not covered by the warranty. Also, be careful that if the usage in the instruction manual is not followed (mixed petrol, etc.) as described, it may not be covered by the warranty.

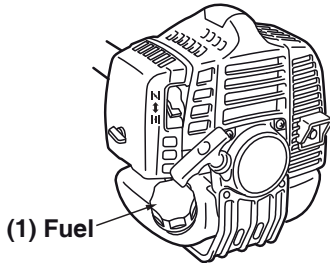
8. Operation

STARTING THE ENGINE

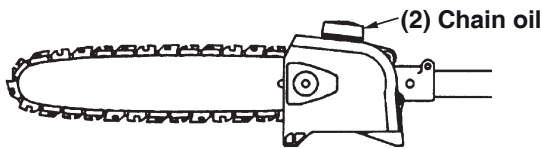
▲ WARNING

The cutting head will start rotating upon the engine starting.

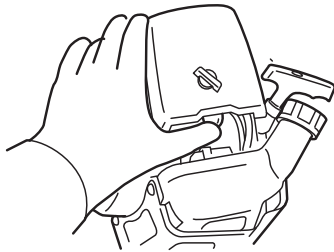
1. Pour fuel into the fuel tank and tighten the cap securely.



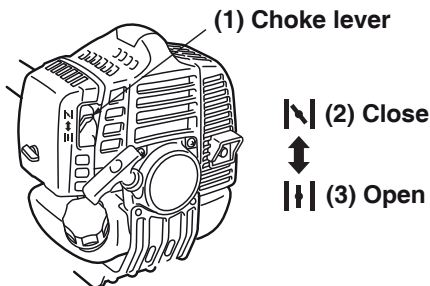
If using the pruner, pour chain oil into the oil tank and tighten the cap securely.



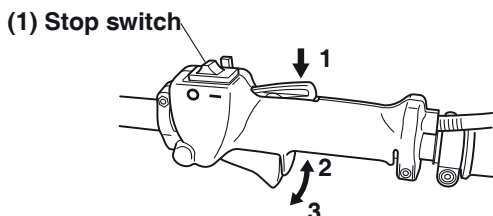
2. Rest the machine on a flat clear surface. Keep the cutting attachment off the ground and clear of any surrounding objects as it will start rotating upon starting the engine.
3. Push the primer several times until overflow fuel flows out in the clear pipe.



4. Move the choke lever to the closed position.



5. Set the stop switch to the "start" position. Set the throttle trigger to the start position (1 > 2 > 3).

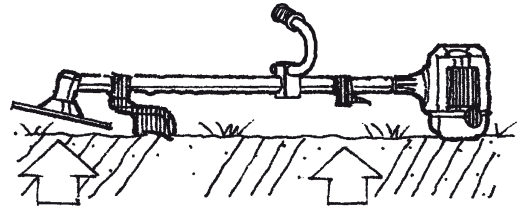


6. While holding the unit firmly, pull out the starter rope quickly until engine fires.



▲ WARNING

The machine is equipped with a centrifugal clutch mechanism so the cutting attachment begins to rotate as soon as the engine is started. When starting the engine, place the product onto the ground in a flat and clear area, holding it firmly in place to ensure neither the cutting part nor the throttle comes into contact with any objects when the engine starts.



ⓘ IMPORTANT

Avoid pulling the rope to its end or returning it by releasing the knob, such actions can cause starter failures.

7. Move the choke lever downward to open the choke and restart the engine.
8. Allow the engine to warm up for a several minutes before starting operation.

📖 NOTE

1. When restarting the engine immediately after stopping it, leave the choke open.
2. Overchoking can make the engine hard to start due to excess fuel. When the engine fails to start after several attempts, open the choke and repeat pulling the rope, or remove the spark plug and dry it.

STOPPING THE ENGINE

1. Release the throttle lever and run the engine for half a minute.
2. Move the stop switch to the STOP position.

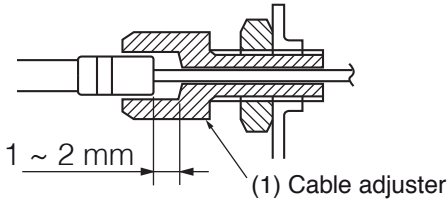
ⓘ IMPORTANT

Except for an emergency, avoid stopping the engine while pulling the throttle lever. If the stop switch doesn't stop the engine, move the choke lever down to the closed position.

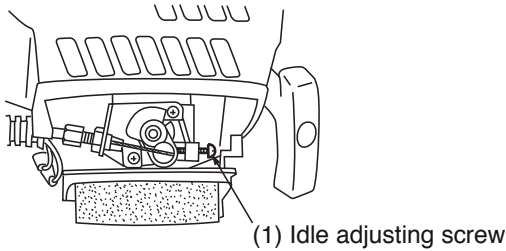
8. Operation

ADJUSTING THE THROTTLE CABLE

The normal play is 1-2mm when measured at the carburetor end. Readjust with the cable adjuster if required.



ADJUSTING THE IDLING SPEED



NOTE

Warm up the engine before adjusting the idle speed.

1. When the engine tends to stop frequently at idling mode, turn the adjusting screw clockwise.
2. When the cutting head keeps rotating after releasing the trigger, turn the adjusting screw counter-clockwise.

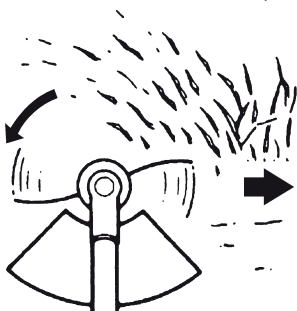
STRIMMER / BRUSH CUTTER

WARNING

1. Always wear eye protection such as safety goggles. Never lean over the rotating cutting head. Rocks or other debris could be thrown into eyes or face and may cause serious personal injury.
2. Keep the cutting attachment guard in place at all times when the unit is operated.

TRIMMING GRASS AND WEEDS

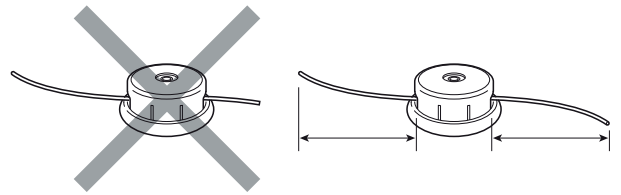
- Always remember that the TIP of the line does cutting. You will achieve better results by not crowding the line into the cutting area. Allow the unit to trim at its own pace.
1. Hold the unit so the head is off the ground and is tilted about 20 degrees toward the sweep direction.



2. You can avoid thrown debris by sweeping from your left to the right.
3. Use a slow movements to cut heavy growth. The rate of the cutting motion will depend on the material being cut. Heavy growth will require slower movements than light growth.
4. Never swing the unit quickly/roughly as you will be in danger of losing your balance or control of the machine.
5. Try to control the cutting motion from the hip rather than placing the full workload on the arm or hands.
6. Take precautions to avoid wire, grass or weeds from wrapping around the head shaft. Such materials can stall the head and cause the clutch to slip resulting in damage to the clutch system.

ADJUSTING THE LINE LENGTH

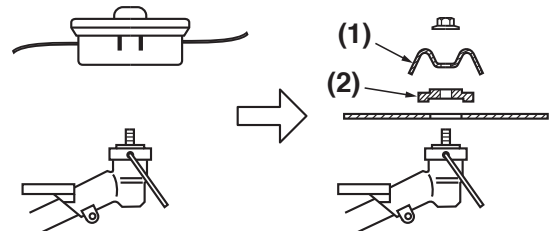
- Your strimmer is equipped with a semi-auto type nylon line head that allows the operator to increase the line length without stopping the engine. When the line becomes short, lightly tap the head on the ground while running the engine on full throttle.
- Each time the head is bumped, the line increases about 1 inch (25.4mm). For better effect, tap the head on clear ground or hard soil. Avoid bumping in thick growth.



SETTING UP BRUSH CUTTER BLADE

WARNING

When sharpening, removing or attaching the blade, be sure to wear thick sturdy gloves and use only proper tools and equipment to prevent injury.



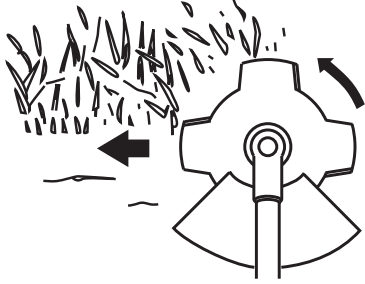
- (1) Cover: 3540-13283
(2) Holder: 6019-13250 (Attachment)

1. Detach the line head assembly completely.
2. Put on the blade, making the marked side face the holder, put on the outer holders, and fasten the blade with the blade nut.

8. Operation

CUTTING METHOD

1. Use the left side of the blade for cutting.
2. Guide the blade from your right to the left with it tilted at a slight angle to your left.
3. The blade may be seized by weeds if the engine speed is too low or the blade cuts too deep into weeds. Adjust the engine speed and cutting depth according to the condition of the object.



▲ WARNING

- If the grass or other objects get caught in the blade or if the unit starts to shake or vibrate, turn off the engine and check the whole unit. Change the blade if it has been damaged.
- Make sure to turn off the engine and the blade has come to a complete stop before checking the blade and removing any objects caught on it.

OPERATING THE BRUSH CUTTER

1. Check the bolt fastened to the blade to make sure the bolt has no fault or abrasion.
2. Make sure that the blade and holder have been fastened according to instruction and that the blade rotates smoothly without abnormal noise or vibration.



▲ WARNING

Rotating parts that are fitting incorrectly may cause serious accidents and/or serious injury. Make sure the blade is not bent, warped, cracked, broken or damaged. If you find a problem with the blade, dispose of it and replace with a new one.

Use the shoulder strap with the unit hanging to your right side. Adjust the strap length so the cutting head becomes parallel to the ground.



▲ WARNING

Always use the shoulder strap and cutting attachment guard.

CONTROLLING BLADE BOUNCE

▲ WARNING

Blade bounce can cause serious personal injury, carefully study this section as it is important that you understand the causes, how you can reduce the chance of it occurring and how you can remain in control of the unit.

1. What causes blade bounce:

It can occur when the moving blade contacts an object that it cannot cut. This causes the blade to stop for an instant and then suddenly move or bounce away from the object that it hit. The operator can lose control of the machine and the blade can cause serious personal injury and/or to any person nearby.

2. How you can reduce the chance of blade bounce:

Cut weeds and grass only, do not let the blade contact materials it cannot cut such as hard woody vines and brushes or rocks, fences, metal, etc.

Be extra prepared for bounce if you must cut where you cannot see the blade making contact such as in areas with dense growth.

Keep the blade sharp.

Avoid cutting too quickly.

Cut only from your right to your left.

Keep your path clear of material that has been cut and any other debris.

3. How you can maintain the best control:

Keep a good firm grip on the machine with both hands.

Keep both feet spread apart in a comfortable stance, do not over-reach. Ensure you have firm footing and balance.

8. Operation

HEDGE TRIMMER

⚠ WARNING

The hedge trimmer has extremely sharp blades and if used incorrectly they can be extremely dangerous. Improper handling can cause accidents which in turn may lead to serious injury or death. Always carefully follow the instructions when using the machine.

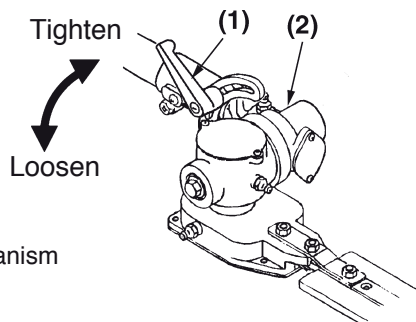
- Never hold the trimmer in a way which the blades are pointed towards someone else.
- Never allow the blades to come into proximity with your body while the engine is running.
- Always be sure to turn off the engine before changing the angle of the blades, removing branches which are stuck in the blades or at any other times when coming into close proximity with the blades.
- Always wear work gloves made of leather or other tough materials.
- Always place blade covers over the blades when not in use.
- Falling branches may fall onto your face or eyes resulting in injuries, scratches and/or cuts so always wear a helmet and face protector.



❗ IMPORTANT

The thickness of branches which may be cut using this trimmer is limited up to approximately 5mm (3/16"). Never try to cut branches thicker than this as doing so may damage the trimmer.

ADJUSTING THE ANGLE OF CUTTING BLADES



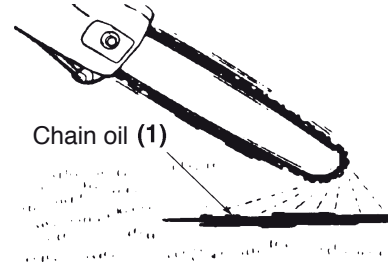
- (1) Clamp lever
(2) Trimming mechanism

1. Stop the engine.
2. Turn the bolt located on the top of the trimmer counter-clockwise to loosen it.
3. Adjust the angle of the blades to the desired angle and then fix the bolt firmly back into place.

PRUNER

CHECKING OIL SUPPLY

After starting the engine, run the chain at medium speed and see if chain oil is scattered off as shown in the figure.



📖 NOTE

The oil reservoir has a capacity sufficient to provide about 40 minutes of cutting time (when set to deliver the minimum flow rate). Be sure to refill the oil tank every time you refuel the petrol tank.

ADJUSTING OIL FLOW RATE

⚠ WARNING

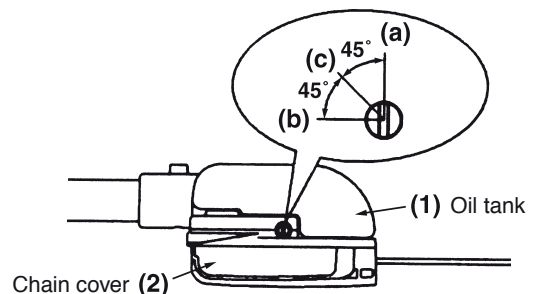
Never fill oil reservoir or adjust the oil flow while the engine is running.

❗ IMPORTANT

Increase in oil flow rate will increase oil consumption, requiring more frequent checks on the oil reservoir to ensure sufficient lubrication.

The guide bar and chain are lubricated automatically by a pump that operated whenever the chain rotates. An increase in oil flow is often desirable when cutting things like hardwood or wood with a lot of pitch.

1. Stop the engine and make sure the stop switch is in the OFF 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 (there are three incremental settings):
 - (a) Clockwise-decrease lubrication
 - (b) Counter clockwise-increase lubrication
 - (c) Middle

9. Maintenance

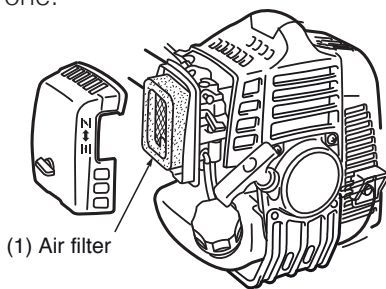
	System/components	Procedure	Before use	Every 25 hours after	Every 50 hours after	Every 100 hours after	Note
ENGINE	fuel leaks, fuel spillage	wipe out	✓				
	fuel tank, air filter, fuel filter	inspect/clean	✓	✓			replace, if necessary
	idle adjusting screw	see adjusting idling speed (p. 22)	✓				replace carburetor if necessary
	spark plug	clean and readjust plug gap			✓		GAP: .025 in (0.6 ~ 0.7 mm) replace, if necessary
	cylinder fins, intake air cooling vent	clean		✓			
	muffler, spark arrester, cylinder exhaust port	clean			✓		
SHAFT	throttle trigger, stop switch	check operation	✓				
	cutting parts	replace if something's wrong	✓				
	transmission	grease		✓			
	screws/nuts/bolts	tighten/replace	✓			✓	not adjusting screws
	cutting attachment guard	make sure to attach	✓				
CUTTING UNIT	oiling port	clean	✓				
	guide bar	clean	✓				
	sprocket	inspect/replace			✓		
	saw chain	inspect/sharp	✓				

⚠ WARNING

Make sure that the engine has stopped and is cool before performing any service to the machine. Contact with moving parts or hot exhaust may result in personal injury.

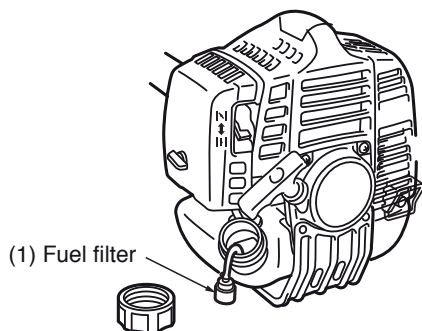
AIR FILTER

The air filter, if clogged, will reduce engine performance. Check and clean the filter element in warm, soapy water as required. Dry completely before installing. If the element is damaged or has shrunk, replace with a new one.



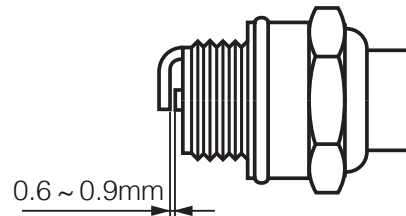
FUEL FILTER

When the engine runs short of fuel supply, check the fuel cap and fuel filter for any blockages.



SPARK PLUG

- Starting failure and misfiring are often caused by a fouled spark plug. Clean the spark plug and check that the plug gap is in the correct range. For a replacement plug, use the correct type.



ⓘ IMPORTANT

- Note that using any spark plug other than those designated may result in the engine failing to operate properly or in the engine becoming overheated and damaged.
- To install the spark plug, first turn the plug until it is finger tight, then tighten it a quarter turn more with a socket wrench.

EXHAUST

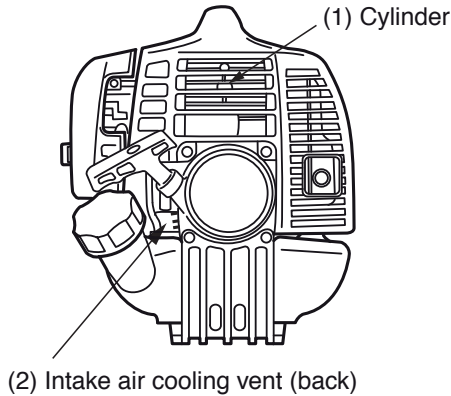
⚠ WARNING

Inspect periodically the exhaust for loose fasteners, any damage or corrosion. If any sign of exhaust leakage is found, stop using the machine and have it repaired immediately. Note that failing to do so may result in the engine catching on fire.

9. Maintenance

❗ IMPORTANT

If waste gets stuck and causes blockage around the intake air cooling vent or between the cylinder fins, it may cause the engine to overheat which in turn can cause mechanical failure.

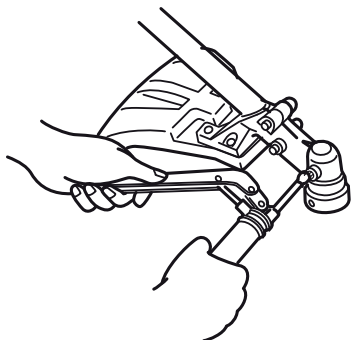


PROCEDURES TO BE PERFORMED AFTER EVERY 100 HOURS OF USE



1. Remove the exhaust, insert a screwdriver into the vent and wipe away any carbon buildup. Wipe away any carbon buildup on the exhaust vent and cylinder exhaust port.
2. Tighten all screws, bolts and fittings.
3. Check to see if any oil or grease has worked its way in between the clutch lining and drum, if it has wipe it away.

ANGLE TRANSMISSION



- The reduction gears are lubricated by multipurpose, lithium-based grease in the angle transmission. Supply new grease every 25 hours of use or more often depending on the job condition.
- Remove the cutter holders before installing new grease to arrange for old grease to exit.

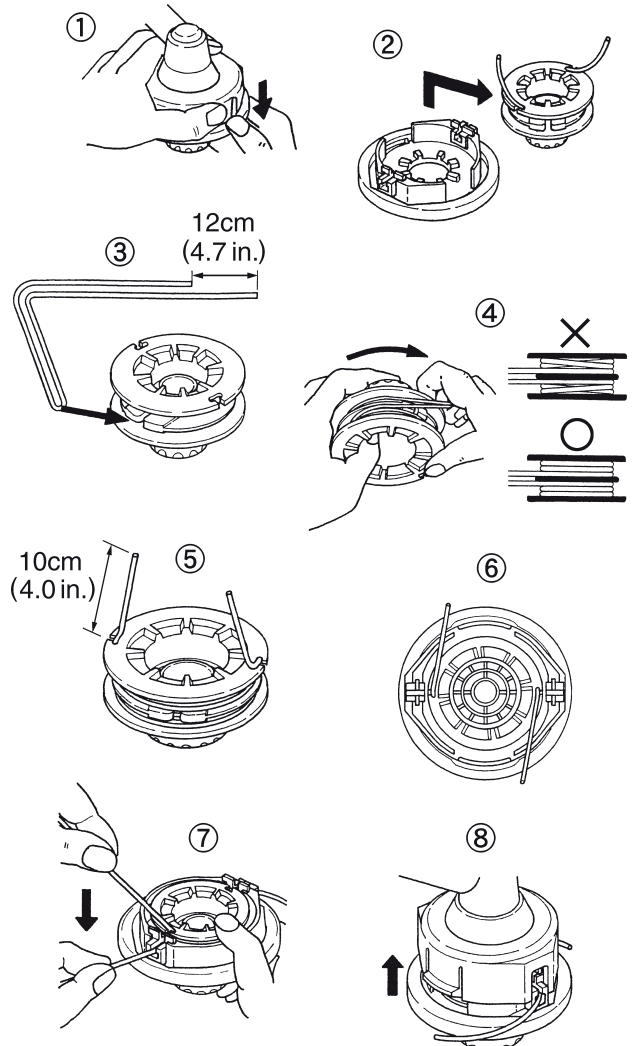
REFILLING STRIMMING LINE

1. For replacement line, use a diameter of 2.4mm (.095in). The spool is capable for a line upto 6m(20ft) on the 10cm(4") head. Avoid using a larger line as it may cut down the trimming performance.

⚠ WARNING

For safety reasons, do not use metal reinforced line.

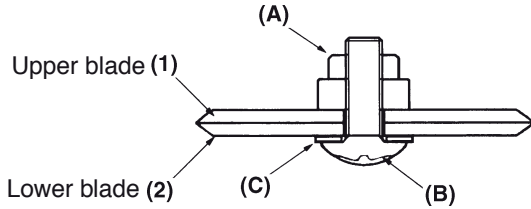
2. Pinch the slotted area on the both sides of the spool housing to unhook the bottom cap.
3. Take out the spool and pull off the old line. Put one end of new line through the spool holes and pull it until the length is equal between each part of the line.
4. Wind up the line in the correct direction as indicated on the spool.
5. Hook each end of the line in the slot on the edge of the spool, and then put the ends through the eyelets on the housing. Make sure that the spring and the washers are in place.
6. While holding the spool against the housing, pull the line ends to release them from the slot.
7. Line up the slot on the bottom cap with the hook on the housing, press the cap against the housing until it clicks.



9. Maintenance

BLADES

- 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.

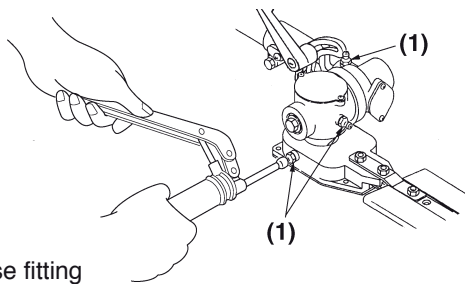


1. Loosen lock nut (A) as shown in the diagram.
2. Tighten screw (B) fully, and then turn one-third to one-half of a rotation backward.
3. While holding onto the screw to keep it in position, tighten the lock nut.
4. Check to make sure that the flat washer (C) is loose enough so that it may be turned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

NOTE

Screwing in the screw too tightly may make it impossible for the blades to move while 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.

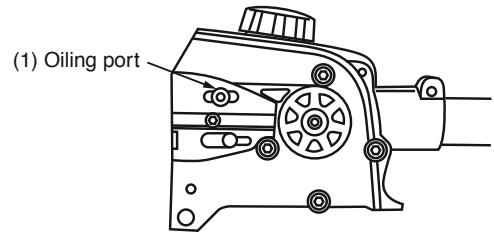
TRANSMISSION



- The reduction gears are lubricated by multipurpose, lithium-based grease in the angle 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.

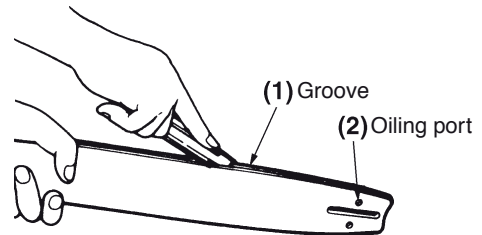
OILING PORT

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

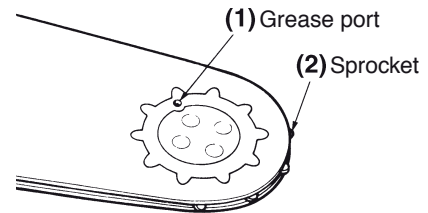


GUIDE BAR

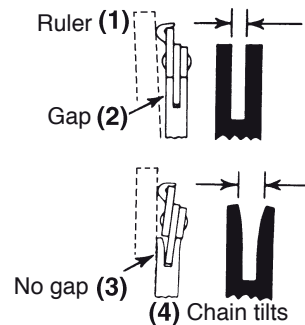
Remove sawdust in the bar groove and the oiling port.



Grease the nose sprocket from the feeding port on the tip of the bar.

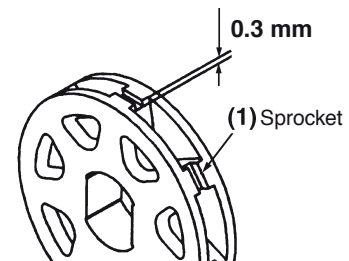


The bar rail should always be a square. Check for wear of the bar rail. Apply a ruler to the bar and the outside of a cutter. If a gap is observed between them, the rail is normal. Otherwise, the bar rail is worn. Such a bar needs to be corrected or replaced.



SPROCKET

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



9. Maintenance

CHAIN

▲ WARNING

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

Your chain need to be sharpened when:

- Sawdust becomes powder-like.
- You need extra force to saw in.
- The cut does not go straight.
- Vibration increases.
- Fuel consumption increases.

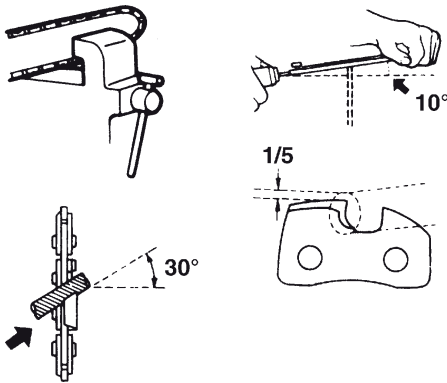
▲ WARNING

Be sure to wear chainsaw gloves.

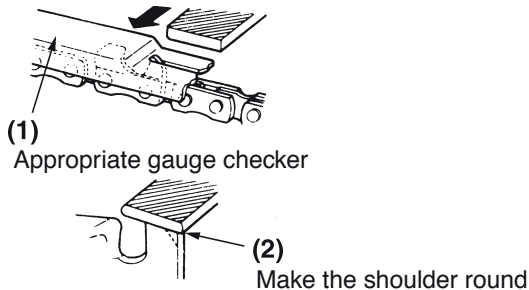
Before sharpening:

- Make sure the saw chain is held securely.
- Make sure the engine is stopped.
- Use a round file of proper size for your chain.

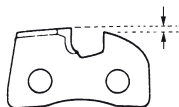
Place your file on the chain link and push straight forward. Keep the file position as illustrated.



After every chain link has been set, check the depth gauge and file it to the correct level as illustrated.



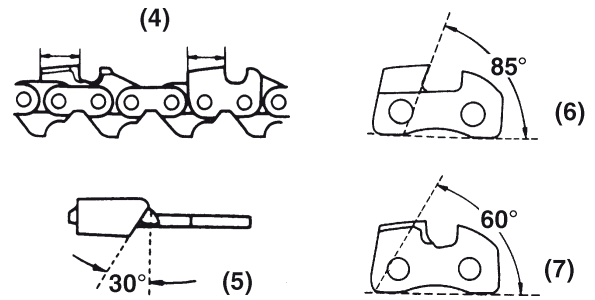
Depth gauge standard (3) **.025" (0.65 mm)**



▲ WARNING

Be sure to round off the front edge to reduce the chance of kickback or tie-strap breakage.

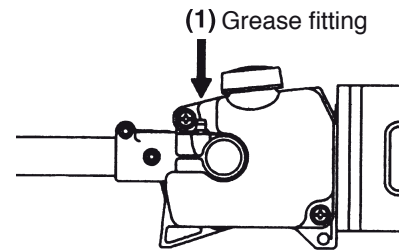
Make sure every chain link has the same length and edge angles as illustrated.



(4) Cutter length (5) Filing angle
(6) Side plate angle (7) Top plate cutting angle

TRANSMISSION

- The reduction gears are lubricated by multipurpose, lithium-based grease in the angle 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.



10. Storage

Aged fuel is one major cause of engine starting failure. Before storing the machine, empty the fuel tank and run the engine until it uses all the fuel in the fuel line and carburetor. Store the unit indoors taking necessary measures for rust prevention.

11. Disposal

If you are disposing your machine, fuel or oil for the machine, be sure to follow your local regulations.

12. Troubleshooting Guide

Case 1. Starting failure

CHECK	PROBABLE CAUSES	ACTION
fuel tank	→ incorrect fuel	→ drain it and use correct fuel
fuel filter	→ fuel filter is clogged	→ clean
carburetor adjustment screw	→ out of normal range	→ adjust to normal range
sparkign (no spark)	→ spark plug is fouled/wet	→ clean/dry
	→ plug gap is incorrect	→ correct (GAP: 0.65 mm)
spark plug	→ disconnected	→ retighten

Case 2. Engine starts but does not keep running/hard re-starting

CHECK	PROBABLE CAUSES	ACTION
fuel tank	→ incorrect fuel or staled fuel	→ drain it and use correct fuel
carburetor adjustment screw	→ out of normal range	→ adjust to normal range
muffler, cylinder (exhaust port)	→ carbon is built-up	→ consult with the repair specialty store
air cleaner	→ clogged with dust	→ air blow or wash
cylinder fin, fan cover	→ clogged with dust	→ consult with the repair specialty store

13. Spare parts

Visit www.kiamproducts.co.uk 2-stroke oil, chain oil, chain files, strimmer heads, brush cutter blades, protective safety equipment, spare parts and accessories.



14. Warranty



We warrant this product against any manufacturing defects in the material and workmanship for a period of 12 months from the date of purchase. This warranty is only for domestic / home use.

This warranty does not cover any defects and/or damages caused by the following:

- Misuse of the product
- Negligence or lack of maintenance
- Normal wear and tear on parts
- Use of non original manufacturer parts
- Modification or removal of parts

The purchaser is responsible for all related expenses (parts, labour and return costs) if the product is not covered under warranty.

Original receipt must be included when returning to:

Kiam Power Products
Kiam House
Birchill Road
Knowsley Ind. Park North
Merseyside
L33 7TD
United Kingdom

Return Sheet

Name: _____

Address: _____

Purchased from: _____

Invoice number: _____

Date of purchase: _____

Model: _____

Note: Please remember to attach a copy of your receipt