



INSTRUCTION MANUAL
BRUSHCUTTER MULTITOOL
BON-P-MT45

Product overview



1. Motor	2. Pruner attachment
3. Brush cutter attachment	4. Hedge trimmer attachment
5. Harness	6. Loop handle
7. Shaft connector	8. Hedge trimmer cutter
9. Nylon head	10. 3T blade
11. Protection guard	12. Pruner bar
13. Throttle trigger	14. Extension shaft
15. Glass	16. Gloves

Please note: MACHINE MUST BE FULLY SET-UP CORRECTLY BEFORE USE – PLEASE READ THE MANUAL, ESPECIALLY THE “ASSEMBLY” PART !

1. INTRODUCTION

This machine is a garden tool, and precisely a portable brush cutter / grass trimmer with combustion engine for home use. Any other use is not permitted.

The brush cutter is only suitable for private use! E.g., cutting grass in your garden, however it is not intended for cutting grass in public parks, playing fields, farms, forests or any other commercial setting/usage.

Non-permitted users:

People who are not familiar with the operating manual, children, young people under the age of 16, as well as people under the influence of alcohol, drugs or medication must not operate the unit.

Working hours

Operators should always show due consideration to others living nearby and abide by local laws.

2. SAFETY INSTRUCTIONS AND WARNINGS

Symbols are used in this manual to attract your attention to possible risks. The safety symbols and the explications which accompany them must be perfectly understood. The warning themselves do not prevent the risks and can not be a substitute for proper methods

of avoiding accidents.



This symbol, before a safety comment, indicates a precaution, a warning or a danger. Ignoring this warning can lead to an accident for yourself or for others. To limit the risk of injury, fire or electrocution always apply the recommendations indicated.



Before any use, refer to the corresponding paragraph in the present manual. Read the instruction handbook and follow all warnings and safety instructions



Conforms to relevant safety standards.



Wear hearing protection!



Wear safety goggles!



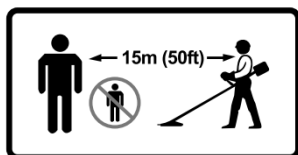
Wear a safety helmet when working overhead.



Wear gloves.



Wear stable footwear.



Keep children, onlookers and helpers 15 m away from the brush cutter / grass trimmer!



Attention! Danger of injury due to objects being flung away !



Warning! Beware of thrown objects hit by cutting attachments. Never use without properly mounted blade guard.



Caution - recoil may occur!

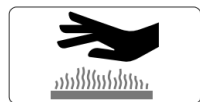


Caution! Risk of injury from rotating cutting knife!

Keep hands and feet away!



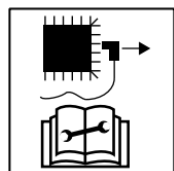
Attention! Risk of injury from running knives.



The exhaust and other parts of the engine will get very hot during use, do not touch.



Gasoline is very flammable. Avoid smoking or bringing any flame or sparks near fuel.



Before maintenance work switch off the device and pull off the spark plug connector!



Protect the device from rain and do not leave outdoors in the rain!



Engines give off carbon monoxide, an odorless, colorless, poison gas.

Breathing carbon monoxide can cause nausea, fainting or death.



For outdoor use only.



Push the bubble 7 times before use to make sure the fuel full of the oil way.



Choke closed (cold start position).



Choke open (run position)



Do not use toothed saw type blade.

SAFETY INSTRUCTIONS

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

1) Training

- Read the instructions carefully. Be familiar with the controls and the proper use of the appliance.
- This product has been designed for use in cutting grass, and it should never be used for any other purpose.
- Never allow children or people unfamiliar with these instructions to use the appliance. Local regulations may restrict the age of the operator.
- Never mow while people, especially children, or pets are nearby.
- The operator or user is responsible for accidents or hazards occurring to other people or their property.
- Avoid running the engine indoors. The exhaust gases contain harmful carbon monoxide.

2) Preparation

- While cutting, always wear substantial footwear and long trousers.
- Do not operate the appliance when barefoot or wearing open sandals.
- Thoroughly inspect the area where the appliance is to be used and remove all stones, sticks, wires, bones, and other foreign objects.
- Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance.
- On multi-bladed appliances, take care as rotating one blade can cause other blades to rotate.

3) Operation

- Operate only in daylight or in good artificial light.
- Avoid operating the appliance in wet grass.
- Always be sure of your footing on slopes.
- Walk, never run.
- Exercise extreme caution when changing direction on slopes.
- Do not cut excessively steep slopes.
- Use extreme caution when reversing or pulling the appliance towards you.
- Never operate the appliance with defective guards or shields, or without safety devices.
- Switch on the motor according to instructions and with your feet well away from the blade(s).
- Do not tilt the Brush Cutter more than absolutely necessary and lift only the part which is away from the operator. Always ensure that both hands are in the operating position before returning the appliance to the ground.
- Do not put hands or feet near or under rotating parts.
- Never pick up or carry an appliance while the motor is running.
- Pull the spark from the socket:
 - whenever you leave the machine;
 - before clearing a blockage;
 - before checking, cleaning or working on the appliance;
 - after striking a foreign object. Inspect the appliance for damage and make repairs as necessary;
 - if the appliance starts to vibrate abnormally (Have it checked by an authorized technician)

Maintenance and Storage

- Keep all nuts, bolts, and screws tight to make sure the appliance is in safe working condition.
- Check the grass catcher frequently for wear or deterioration.
- Replace worn or damaged parts for safety.
- For rotary mowers, ensure that only replacement cutting means of the right type are used.
- Never store the equipment with petrol in the tank inside a building where fumes can reach an open flame or spark;
- Allow the engine to cool before storing in any enclosure;
- To reduce the fire hazard, keep the engine, silencer, battery compartment and petrol storage area free of grass, leaves, or excessive grease;
- If the fuel tank must be drained, this should be done outdoors.

SPECIAL SATETY WARNING

1. Grip the handles of the brush cutter firmly with both hands. If you suspend the work, place the throttle into the idling position.
2. Always be sure to maintain a steady, even posture while working.
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 necessary level.
4. If the grass gets caught in the blade during operation, or if you need to check the unit or refuel the tank always be sure to turn off the engine.
5. If the blade touches a hard object like a stone immediately stop the engine and check if something is wrong with the blade. If so, replace the blade with a new one.
6. If someone calls out while working, always be sure to turn off the engine before turning around.
7. Never touch the spark plug or plug cord while the engine is in operation. Doing so may result in being subjected to an electrical shock.
8. 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 may result in serious burns.
9. When you finish cutting in one location and wish to continue working in another spot, turn off the engine and turn the machine around, to have the blade facing away from your body.
10. Check that the cutting attachment stopped turning under the engine idle before starting to use the machine.

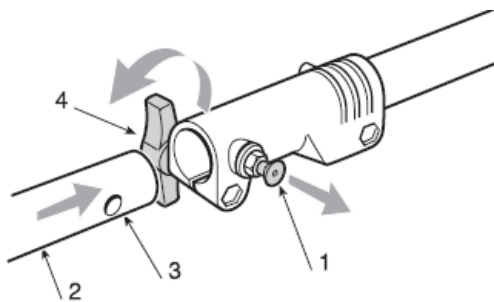


3. ASSEMBLY

When assembling this machine, please follow the instructions.

1. Mounting the rod:

- Pull out the stop pin (1) and push the lower part of the rod (2) right down until the stop pin (1) clicks into the hole (3) in the rod. This is easier to do if you rotate the bottom of the rod (2) slightly in both directions. The pin (1) is in place when it is completely lodged in the hole.
- Once inserted, tighten the knob (4) securely.



2. Assemble the loop handle.

Loose the knob to assembled on the shaft, then tight the knob.



3. Assemble the safe guard.

The guard is fixed to the guard blade holder by two screws, using a screwdriver to fix the two screws tightly enough to guard blade holder.



Fig.3-1



Fig.3-2

WARNING!

3.3 When using the cutting line head, the additional guard, with line cutting knife, must always be fitted. (Fig.3-3, Fig.3-4)

- Secure the additional guard (26) using the screw (B). (Fig.3-3)

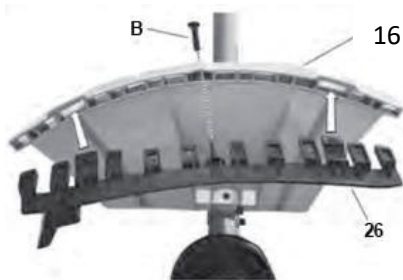


Fig.3-3

3.4 Take off the additional guard.

- Screw off the screw (B); (Fig. 3-3)
- Push the clip (C) and pull out the additional guard. (Fig.3-4)

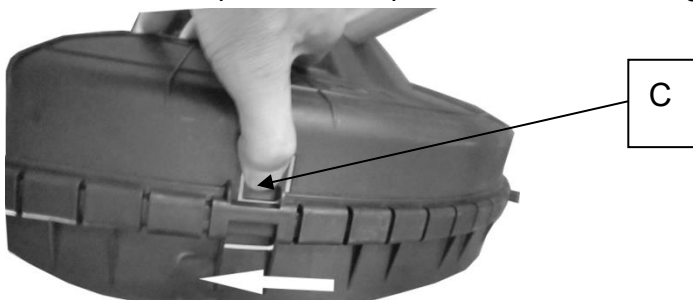


Fig.3-4

WARNING!

Please check the blade and output shaft after each adjustment or assembly, it must be correctly assembled and running smoothly.

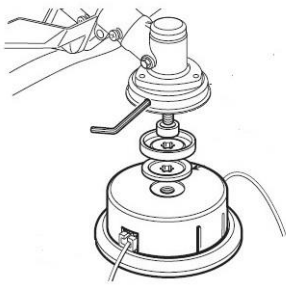
Wear protective gloves when handling the guard.

4. Assemble the cutting head.

4.1 **Release the nut.** Line up the two holes of flange and shield, use one hex key to hold the flange as below and turn the socket wrench clockwise, the nut will be released.



4.2 **Fit the Nylon cutting head.** Remove another shield after release the nuts as picture showing. Still hold the flange, take the Nylon cutting head on the shaft and rotate counter-clockwise, the Nylon cutting head is fitted.



4.3 Release the Nylon cutting head. Use screw driver to hold flange and then rotate the Nylon cutting head clockwise, it will be replaced.

5. Fit the blade.

Keep hex key holding on the flange then release the nuts as picture showing, then put the blade, holder B, cover and left nut according to priority as below picture.

Note the blade rotation direction needs be same as below picture. Use screw driver to hold flange and tighten nut counter-clockwise, ensure the nut is tightened enough



5.1 Release blade. Use screw driver to hold flange and release nut, the blade can be took off.

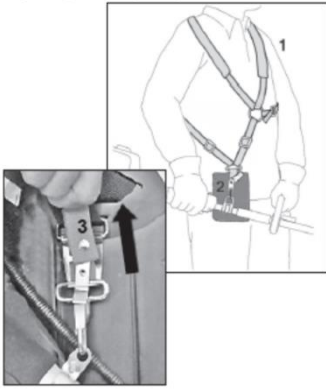
Warning!

Please make sure the cutting head has been assembled correctly before use!

Note: The packaging material is made of recycle materials. Dispose of packaging materials in accordance with regulations.

6. Fit the bet.

Please see picture below and fit the belt accordingly. Stretch the belt to adjust, so it fits as outlined below.



you can alter the height of the belt through the adjuster as below picture shows, and then fit the belt to the machine through the hook.



NOTE: Never start the motor with the carry strap attached to the machine!

Starting / Stopping the Engine

To reduce the risk of fire and burn injuries, start the engine at least 10 feet (3 meters) from the fueling spot, out-doors only.

Proper starting methods reduce the risk of injury.

Place the saw trimmer on firm ground or other solid surface in an open area or, in the alternative, as shown in the above picture. Maintain good balance and secure footing.

OPERATION

When operating this machine, please follow the instructions for operations steps

Filling with fuel



DANGER!

Danger of injury!

Fuel is explosive!

- Turn off and cool the motor down before filling the tank with fuel.
- You must observe all safety instructions relating to handling fuel.



Risk of device damage!

The device is supplied without motor or gearbox oil.

Never use oil for 4-cycle engine use or water cooled 2-cycle engine. If can cause spark plug fouling exhaust port blocking or piston ring sticking.

Mixed fuels, which have been left unused for a period of one month or more may clog the carburetor

or result in the engine failing to operate properly. Put the remaining fuel into an airtight container and keep it in the dark and cool room.

Mix a regular grade gasoline (leaded or unleaded, alcohol-free) and a quality-proven motor oil for air-cooled 2 cycle engines.

RECOMMENDED MIXING RATIO

GASOLINE 40: OIL 1

Warning! Take care of the emission of exhaust gases.

Always shut off engine before fueling. Never add fuel to a machine with a running or hot engine.

Take care of fire!

- Unscrew the tank cap and remove it.
- Pour in the fuel carefully, Avoid spilling.
- Screw the tank cap on firmly by hand.



Draining fuel

- Hold a collection container beneath the fuel drain bolt.
- Unscrew the tank cap and remove it.
- Allow the fuel to run out completely.
- Screw the tank cap on firmly by hand.

Start on the unit

Do not start the unit until it has been completely assembled. Before switching on the unit, always checking the oil

Check before use!



Danger of injury!

Do not operate the device unless you did not find any faults. If a part has become defective, make sure to replace it before you use the device again.

DANGER!

Check the safe condition of the device:

- Check the device for leaks.
- Check the device for visual defects.
- Check that all parts of the device have been securely fitted.
- Check that all safety devices are in proper condition.



Danger of injury!

Before starting work, always check the ground and remove all objects.

WARNING!

The cutting attachment may start to move when the engine is started. Make sure the attachment can not come into contact with any object.

Make sure that no unauthorized persons are in the working area, otherwise there is a risk of serious personal injury.

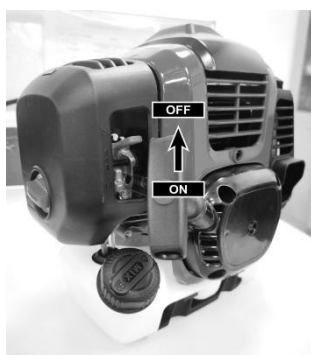
- 1). Press the fuel pump several times until it fills with fuel.



- 2). Set the ON/OFF switch (1) to «I».



- 3). Move the choke lever to  position.



Close the choke: Start position

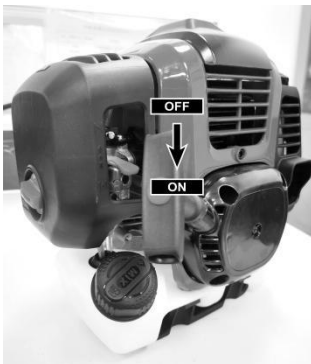


- 4). Slowly pull the recoil starter until it pops.



Attention: Check and make sure cutting attachment always stops when the engine is idling.
Note: when the engine is started for the first time. It will require a number of attempts to start until the fuel travelled from the tank to the motor.

5). Turn the choke lever to the run position.



6) .Pull the starter until the engine starts.

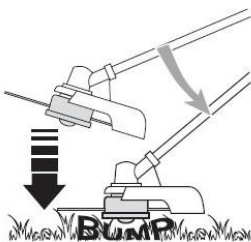


7). Press the throttle trigger and trigger lock, the trigger lock pin would be released.

8). After starting the engine, let the engine run for 1 minutes idling so that it warms up before subjecting it to any load.

9). Press the throttle trigger lock and trigger, then the engine works.

10). If use Nylon cutter, before cutting, need to bump it to feed line firstly.



Hot start:

When the machine is hot, stays the choke level in “Run position”, the user can start the machine by repeating steps of 1,2,5,6

Under the following conditions the machine must be stopped:

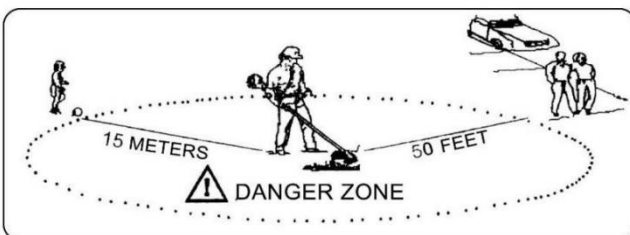
1. When the motor rotary speed changes
2. When sparks occur
3. When blade are damaged
4. In case of misfire
5. In case of high vibration
6. When flames or smoke appear
7. In rain or stormy weather

8). If meet any problem, pull the pin of safety belt, then release the brush cutter soon.



9). If the machine is hot, the throttle level can be adjusted to ON position directly when re-start the machine.

10). **WARNING!** Do not use the machine for sweeping, tilting the cutting line head. The power of the engine could throw objects and small stones 15 meters or more, causing damage or injuries to people.



radius danger zone. Eye, ear, face, foot, leg and

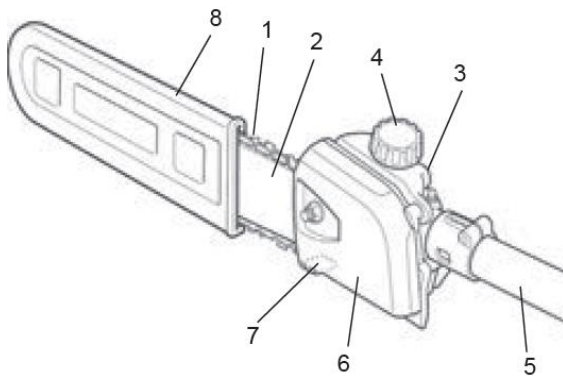
Persons in zone or risk beyond danger zone should wear eye protection against thrown objects. Risk diminishes with distance from danger zone.

Note:

1. Do not start the motor in tall grass
2. While mowing, lay the connection cable safely on footpaths and on areas which have already been mown.
3. When the engine has been switched off, the cutter continues running for several seconds therefore do not get close to the cutting head of the brush cutter until the cutter has come to a standstill!

POLE SAW

Parts and Controls



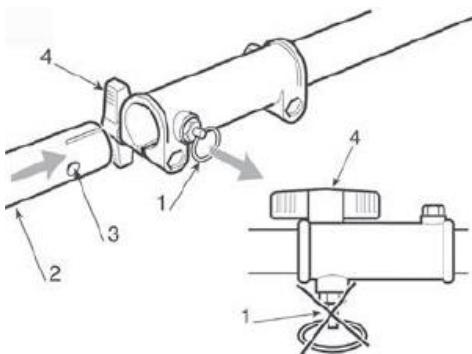
1 = Saw Chain
5 = Drive tube
(Scabbard)

2 = Guide Bar
6 = Chain Sprocket Cover

3 = Oil Tank
7 = chain catch bolt

4 = Oil Tank Cap
8 = Chain Guard

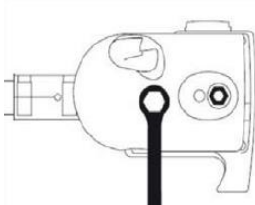
Mounting the Tool



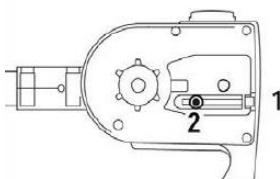
Put the lower shaft (2) into the shaft coupling and concurrently pull out the locking pin (1). Slide the lower shaft in as far as it will go and let go of the locking pin. The locking pin must engage into the opening (3) located laterally in the lower shaft. Of necessary, slightly move the lower shaft to-and-fro until the locking pin safely locks in place. Then tighten the knob (4)

Mounting the Bar and Chain

1. Unscrew nut and take off the sprocket cover.



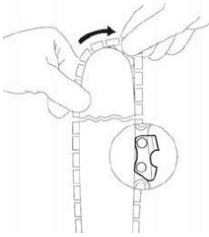
2. Turn tensioning screw (1) anticlockwise until the tensioning nut (2) butts against the left.



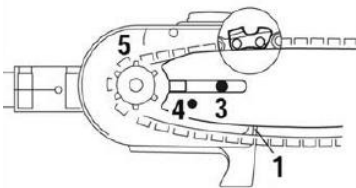


The chain is very sharp – wear work gloves to protect hands from cuts.

1. Fit the chain – start at the bar nose.



2. Fit guide bar over the stud (3). Engage peg of tensioner slide in locating hole (4) – place the chain over sprocket (5) at the same time.



3. Now turn tensioning screw (1) clockwise until there is very little chain sag on the underside of the bar – and the drive link tangs are located in the bar groove.
4. Refit the sprocket cover and screw on the nut tightly enough.

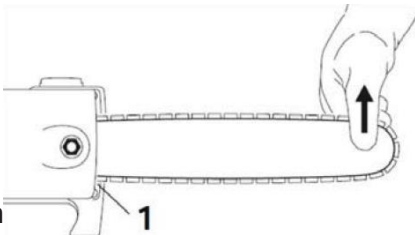
Tensioning the Saw Chain

Retensioning during cutting work:

Shut off the engine and then slacken the nut.

Hold the bar nose up.

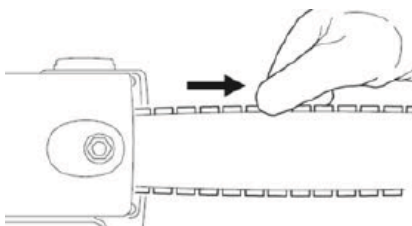
Use screwdriver to turn the tensioning screw (1) clock-wise until chain fits snugly against the underside of the bar.



Tight

A new chain has to be re-tensioned more often than one that has been in use for some time – check chain tension frequently.--see chapter “Operating Instructions/ During Operation”.

Checking Chain Tension



- Shut down the engine.

- Wear work gloves to protect hands.
- Chain must fit snugly against the underside of the bar by hand.
- If necessary, retension the chain.

Chain Lubricant



For automatic and reliable lubrication of the chain and guide bar – **use only an environmentally compatible quality chain and bar lubricant with non-fling additive is recommended.**

The service life of the chain and guide bar depends on the quality of the lubricant. It is therefore essential to use only a specially formulated chain lubricant. If special chain lubricant is not available, you may – in an emergency – use an HD single grade or multi-grade engine oil with a viscosity that suits the prevailing outside temperature.



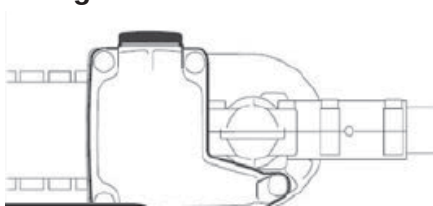
Do not use waste oil!

Medical studies have shown that renewed contact with waste oil can cause skin cancer. Moreover, waste is environmentally harmful!



Waste oil does not have the necessary lubricating properties and is unsuitable for chain lubrication.

Filling Chain Oil Tank



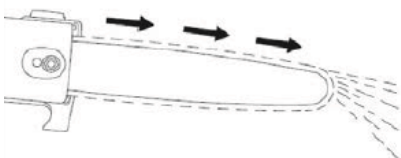
A full chain oil tank is sufficient for only half a tankful of fuel. Check the oil level regularly during cutting work. Never allow the oil tank to run dry!

Thoroughly clean the filler cap and area around it so that no dirt can fall into the tank.

Position the unit so that the filler cap faces up.

If the oil level in the tank does not go down, the reason may be a problem in the oil supply system: Check chain lubrication, clean the oil ways, contact your servicing dealer for assistance if necessary.

Checking Chain Lubrication



The saw chain must always throw off a small amount of oil.

Always check chain lubrication and the oil level in the tank before starting work.



Never operate your pruner without chain lubrication. If the chain is run dry, the whole cutting attachment will be irretrievably damaged within a very short time.

Every new chain has to be broken in for about 2 to 3 minutes. After breaking in the chain, check chain tension and adjust if necessary – see chapter „Checking Chain Tension“.

Adjusting the carry strap



PLEASE NOTE: This carry strap has a safety device allowing you to immediately disconnect the strap from the machine in an emergency. To do so, pull forcefully on the red pull tab on the strap. This disconnects the strap from the holding fixture immediately.



NOTE: Never start the motor with the carry strap attached to the machine!

Starting / Stopping the Engine

To reduce the risk of fire and burn injuries, start the engine at least 10 feet (3 meters) from the fueling spot, out-doors only.

Proper starting methods reduce the risk of injury.

Place the saw trimmer on firm ground or other solid sur-face in an open area or, in the alternative, as shown in the above picture. Maintain good balance and secure footing.

Operating Instructions

During operation

Check chain tension frequently!

A new chain has to be tensioned more often than one that has been in use for some time.

Cold chain:

Tension is correct when the chain fits snugly against the underside of the bar and can still be pulled along the bar by hand. Re-tension if necessary – see chapter “Tensioning the Saw Chain”. Chain at operating temperature: The chain stretches and begins to sag. The drive links on the underside of the bar must not come out of the bar groove – the chain may otherwise jump off the bar.



Re-tension the chain – see chapter “Tensioning the Saw Chain”.

Always slacken off the chain again after finishing work. The chain contracts as it cools down. If it is not slackened off, it may damage the gear shaft and bearings.

After finishing work

Slacken off the chain if you have retensioned it at operating temperature during cutting work.



The chain contracts as it cools down. If it is not slackened off, it may damage the gear shaft and bearings.

Using the Pole Pruner

Preparations:

Wear suitable protective clothing and equipment .

Start the engine.



Put on the shoulder strap.

Never throw cuttings into the household garbage can – they can be composted!

Never stand directly under the branch you are cutting – be ware of falling branches. Note that a branch may spring back at you after it hits the ground!

Cutting sequence

To allow branches a free fall, always cut the lower branches first. Prune heavy branches (large diameter) in several controllable pieces.

Working position

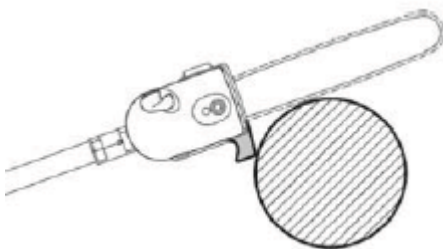
Hold the control handle with your right hand, and the drive tube with your left hand. Your left arm should be extended to the most comfortable position.



The shaft should always be held at an angle of 60° or less!

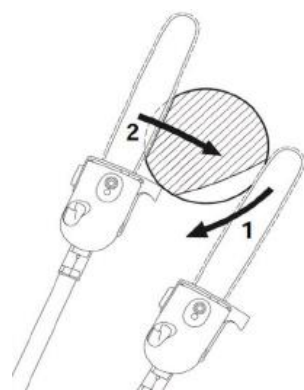
The most convenient working position is a tool angle of 60°, but any lesser angle may be used to suit the situation concerned.

Cross-cutting



To avoid pinching the bar in the cut, position the cutting attachment with the hook against the branch and then perform the cross-cut from the top downwards.

Relieving cut

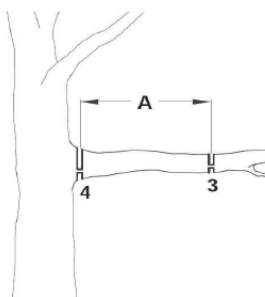


To avoid tearing the bark on thick branches, always start by performing a relieving cut (1) on the underside of the branch.

To do this, apply the cutting attachment and pull it in an arc across the bottom of the branch (see illustration).

Locate the hook against the branch and then perform the cross-cut (2).

Flush-cutting thick branches



If branch diameter is more than 4" (10 cm), first perform undercut (3) and then cross-cut at a distance (A) of about 8" (20cm) from the final cut.

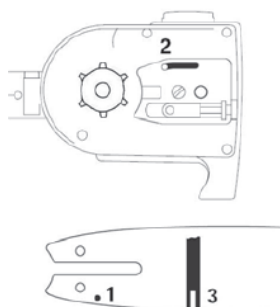
Then carry out the flush-cut (4), starting with a relieving cut and finishing with a cross-cut.

Cutting above obstacles



The unit's long reach makes it possible to pruner branches that are overhanging obstacles, such as rivers or lakes. The tool angle in this case depends on the position of the branch.

Taking Care of Guide Bar



Turn the bar over – every time you sharpen the chain – and every time you replace the chain. This avoids one-sided wear, especially at nose and underside of the bar.

Regularly clean

1 = oil inlet hole

2 = oil passage

3 = bar groove

Checking and Replacing the Chain Sprocket

Remove the chain sprocket cover, chain and guide bar.

Replace the chain sprocket:

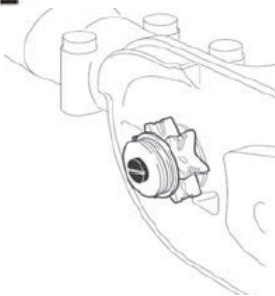


after using two chains or sooner

if the wear marks (dimension deeper than 0.02 in (0.5 mm) – the life of the a) on the sprocket are chain would otherwise be reduced.



The service life of the chain sprocket is prolonged if it is used with two chains in rotation.



Maintaining and Sharpening Saw Chain

Correctly sharpened chain

A properly sharpened chain slices through wood effortlessly and requires very little feed pressure.

Do not work with a dull or damaged saw chain as it will increase the physical effort required, cause higher vibrations, produce unsatisfactory results and a higher rate of wear.

Clean the chain.

Check the chain for cracks in the links and damaged rivets.

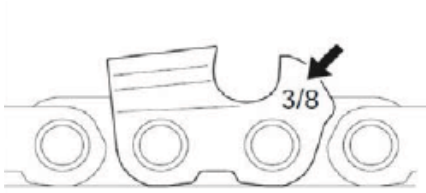
Replace any damaged or worn parts of the chain and match the new parts to the shape and size of the original parts by filing back as necessary.

It is necessary to comply with the angles and dimensions specified below. If the **saw chain is in-**

correctly sharpened if the depth gauges are too low – there is an increased risk of kickback and resulting injury!

The pruner's saw chain cannot be locked in place on the guide bar. Therefore, it is best to remove the chain from the bar and sharpen it on a workshop sharpening tool.

Select the appropriate sharpening tools for the chain pitch.



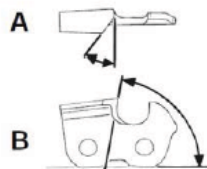
The chain pitch (e.g. 3/8") is marked on the depth gauge of each cutter.

Use only special saw chain files!

Other files have the wrong shape and cut.

Select the file diameter according to the chain pitch.

You must also observe the following angles when re-sharpening the chain cutters.



A = Filing angle

B = Side plate angle

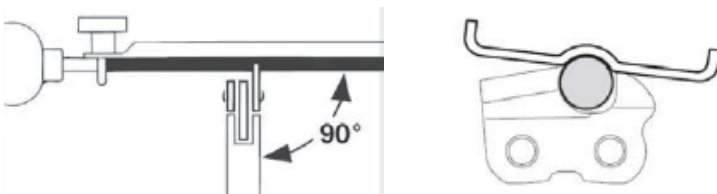
Furthermore, the angles must be the same on all cutters. If angles are uneven the chain will run roughly, not in a straight line, wear quickly and break prematurely.



As these requirements can be met only after sufficient and constant practice:

Use a file holder

A file holder must be used for manual sharpening of saw chain. The correct filing angles are marked on the file holder.



Hold the file guide bar) and file according to the angles marked on **horizontally** (at right angle to side of the file holder. Rest the file holder on the top plate and depth gauge.

Always file from the inside to the outside of the cutter.

The file only sharpens on the forward stroke – lift the file off the cutter on the backstroke.

Avoid touching the tie straps and drive links with the file.

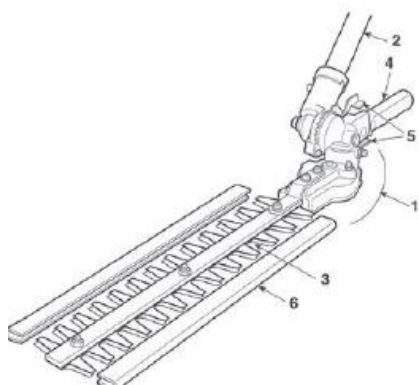
Rotate the file at regular intervals while filing to avoid one-sided wear.

Use a piece of hardwood to remove burrs from cut-ting edge.

All cutters must be the same length. If the cutters are not the same length, they will have different heights. This makes the chain run roughly and increases the risk of breakage of the chain.

POLE HEDGE TRIMMER

Main Parts



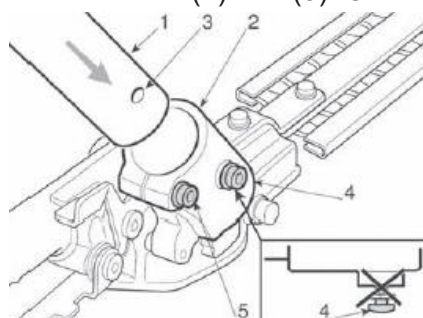
- | | | |
|---------------------|---------------------|-------------------|
| 1. Blade drive gear | 2. Drive tube | 3. Cutting blades |
| 4. Adjusting lever | 5. Adjusting handle | 6. Blade scabbard |

Installation and adjustment

Installing the rod (if supplied separately)

Insert the rod (1) into the socket (2) so the hole (3) lines up with the bolt (4).

Tighten the two bolts (4) and (5). Once they are tightened, the head of the bolt (4) should be flush.



Operation

Important: You should also carefully read through the operating instructions for the brush cutter on which the hedge cutter attachment is to be used.

Before commencing work, check that:

all screws and bolts on the machine and on the blades have been tightened

the blades are sharp and undamaged

the protective devices are fitted tightly and provide adequate protection
the hand grips are properly secured

Possible applications

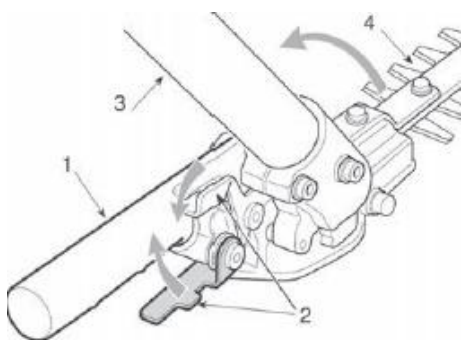
The branches being cut must not be more than 5mm thick; using the hedge cutter attachment to chop through thicker branches may cause irreparable damage to the attachment.

The cutting angle may ONLY be adjusted when the motor is switched off. The motor must also be SWITCHED OFF before removing branches or foliage stuck in the attachment.

Always hold the cutting unit away from the body during operation.

When the unit is stopped, always fit the guard.

Adjusting the angle of the blade

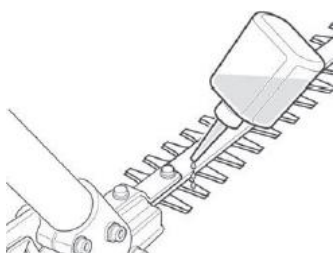


Switch off the motor and wait until the blade comes to a stop.

Firmly hold the grip (1) and then, holding the rod (3) with the other hand, push the unlocking lever (2) and move the grip (1) to change the angle of the blade (4).

When the lever (2) is released again, the blade stays locked in the desired position.

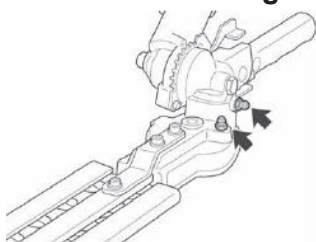
Lubricating the blade during use



If the cutting unit gets too hot during operation, the internal faces of the blade must be lubricated using a specific oil.

⚠ Please note: This procedure may only be carried out when the motor is switched off and the blade has come to a stop.

Blade drive housing



Lubricate at intervals of 20 hours via the lubricating nipple.

Use lithium-based lubricating grease for high temperatures and pressure values to lubricate your machine.

Maintaining and sharpening the blade



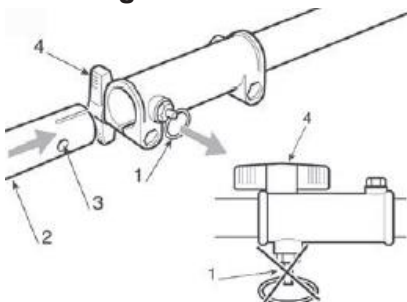
Please note: Check regularly to ensure that the blades are not warped or damaged and that the blade bed is in good condition.

The blade spacing does not have to be set, this tolerance is pre-set in the factory.

If the blades are used in accordance with the instructions, no maintenance or sharpening is required. Re-sharpening is only necessary if the cutting performance deteriorates and branches often become entangled.

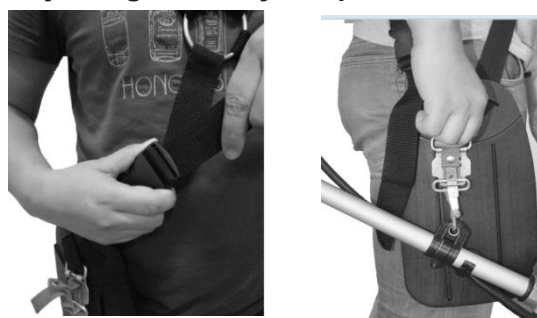
Important: Should it be required, any work on the blade must be carried out by a specialized center, which has specialized equipment at its disposal and is in a position to perform the necessary work without negatively affecting the safety of the machine.

Installing the attachment



Undo the wing screw (4) on the coupling sleeve, pull out the knob (1) and push the drive axle (2) into the connector by gently turning it back and forth. The locking knob (1) must engage fully into its hole (3). Tighten the wing screw (4)..

Adjusting the carry strap



The design and type of carry strap may vary.



PLEASE NOTE: This carry strap has a safety device allowing you to immediately disconnect the strap from the machine in an emergency. To do so, pull forcefully on the red pull tab (as above pic. shows) on the strap. This disconnects the strap from the holding fixture immediately.

NOTE: Never start the motor with the carry strap attached to the machine!

Do not use your power scythe attachment during other people's rest periods.

Preparations

Always wear a harness.

Vertical cut (with straight cutter bar)

Large working radius even without additional aids



Vertical cut (with angled cutter bar)

Cutting without standing directly next to hedge



Horizontal cut (with straight cutter bar)

Cutting without standing directly in front of the hedge - large working radius



Horizontal cut (with angled cutter bar)

Cutting close to the ground from a standing position, e.g. low shrubs



Overhead cut (with angled cutter bar)

Hold the hedge cutter above your head and swing it in an arc to make maximum use of its reach.



Do not throw cuttings in the rubbish bin (garbage can) -they can be composted

Any working position above head height is tiring.
To minimize the risk of accidents, work in such positions for short periods only. Set angle of adjustable cutter bar to maximum so that the unit can be held in a lower, less torturing position (with harness) while still providing adequate vertical reach.

Maintenance and care

Brush cutter and grass trimmer

Before performing any maintenance or cleaning work, Always turn off the engine.

1. Do not spray the unit with water. Ingress of water may damage the engine and electrical connection.
2. Clean the unit with a cloth, hand brush, etc.

Expert inspection is required:

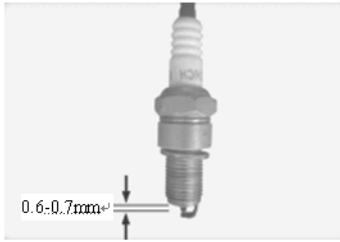
- a) If the brush cutter strikes an object.
- b) If the motor stops suddenly
- c) If the blade is bent (do not align!)
- d) If the gears are damaged.

Replacing and sharpening the cutting blade at the end of the mowing season always sharpen the cutting blade or, if required, replace the cutting blade with a new one. Always have the cutting blade sharpened or replaced by a customer service centre (measurement of imbalance).

Unbalanced blades will cause the lawn mower to vibrate violently-risk of accident!

Change and clean the spark plug

- 1) Once the engine has cooled, remove the spark plug using the socket spanner supplied.
- 2) Clean the plug with a wire brush.
- 3) Using a feeler gauge; set the gap to 0.6-0.7 mm.
- 4) Install the spark plug carefully by hand, to avoid cross-threading.
- 5) After the spark plug is seated, tighten with spanner to compress the washer.



Clean the air filter

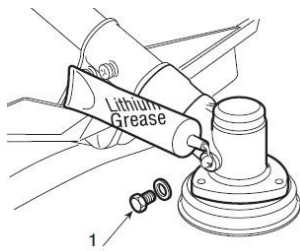
Unclip the air filter cover and remove the sponge filter element. To avoid objects falling into the air tank, replace the air filter cover. Wash the filter element in warm soap water, rinse and allow drying naturally.

Warning!

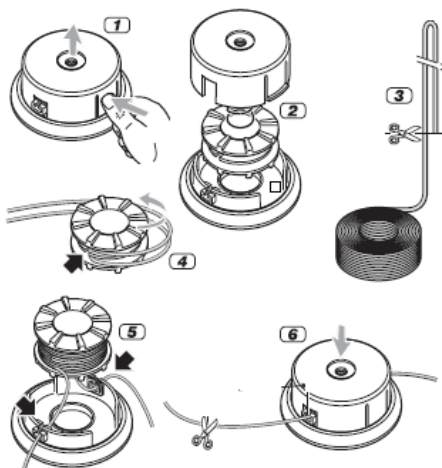
Never run the engine without the air filter element installed.

Angle transmission

Lubricate with lithium-based grease. Remove the screw (1) and put in the grease, turning the shaft manually until grease emerges, and then re-fix the screw (1).



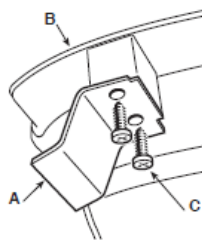
Head line replacement (see below pics.)



SHARPENING THE LINE CUTTING KNIFE

– Remove the line cutting knife (A) from the guard (B) by unscrewing the screws (C).

- Fix the line cutting knife in a vice and sharpen it using a flat file, being careful to retain the original cutting angle.
- Refit the knife on the guard.



Warning!

Never run the engine without the air filter element installed.

POLE CHAIN SAW

Please note that the following maintenance intervals apply for normal operating conditions only. If your daily working time is longer than normal or cutting conditions are difficult (very dusty work area, resin-rich wood, tropical wood etc.), shorten the specified intervals accordingly.		before starting work	after finishing work or daily	after each refueling stop	if necessary
Chain lubrication	Check	x			
Saw chain	Check, also check sharpness	x		x	
	Check chain tension	x		x	
	Sharpen				x
Guide bar	Check (wear, damage)	x			
	Clean and turn over				x
	Deburr				x
	Replace				x
Chain sprocket	Check				x
	Replace				x
Safety labels	Replace				x

POLE HEDGE TRIMMER

Please note that the following maintenance intervals apply for normal operating conditions. If your daily working time is longer than normal or working conditions are difficult (very dusty work area, etc.), shorten the specified intervals accordingly.		before starting work	after finishing work or daily	after each refueling stop	yearly	if problem	if damaged	as required
Cutting blades	visual inspection		x				x	
	Sharpen							x
Gearbox lubrication	Check		x					
	Top up							x

Storing the unit

After cutting, clean the unit thoroughly. Store the unit in a dry room allow the motor to cool down beforehand.

Troubleshooting

Before performing any maintenance or cleaning work, always turn off the engine and wait until the cutter has come to a standstill

1) Engine does not run:

---Reassemble the blade or Nylon cutter.

---check the fuel weather use out or not.

2) Engine power drops:

---Have cutting blade resharpened /replaced (customer service centre)

3) If the temperature of machines is too high:

---insure the machines have rest at regular time.

Faults which cannot be rectified with the aid of this table may be rectified by a specialist company only (customer service center)

SPECIFICATIONS

Model	BON-P-MT45
Engine displacement	44.8 cc
Rated motor power	1.6KW/7500min ⁻¹
Volumes of fuel tank	920ml
Shaft diameter	Φ26mm
Nylon head line	Dia.3.0mm*4m
Nylon head cutting dia	450mm
3T blade	Thickness 2.0mm
2T cutting dia.	305mm
Pole trimmer cutting length	400mm
Pole trimmer cutting dia	24mm
Chain&Bar	10"
Chain pitch	9.525mm
Chain gauge	1.27mm
Oil tank capacity	125ml
Cutting dia.	254mm
Fuel:Oil	40:1
Sound power level, LWA	114dB(A)



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