User Manual

GARDENLINE

31CC 4 STROKE BRUSHCUTTER, LINE TRIMMER

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<table>
<thead>
<tr>
<th>Contents</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pack contents /parts</td>
<td>2</td>
</tr>
<tr>
<td>Description of Symbols</td>
<td>3</td>
</tr>
<tr>
<td>General safety instructions</td>
<td>4</td>
</tr>
<tr>
<td>Additional Safety rules for Petrol products</td>
<td>7</td>
</tr>
<tr>
<td>Additional Safety Rules for Petrol Line Trimmers</td>
<td>8</td>
</tr>
<tr>
<td>Additional Safety Rules for Petrol Brushcutters</td>
<td>8</td>
</tr>
<tr>
<td>Parts List</td>
<td>10</td>
</tr>
<tr>
<td>Adding and Checking oil</td>
<td>12</td>
</tr>
<tr>
<td>General Assembly for use as a Line Trimmer or Brushcutter</td>
<td>14</td>
</tr>
<tr>
<td>Connecting the J handle to the Upper shaft</td>
<td>15</td>
</tr>
<tr>
<td>Fitting the Brushcutter / Line Trimmer Guard</td>
<td>18</td>
</tr>
<tr>
<td>Fitting &amp; Adjusting the Double Strap Shoulder Harness</td>
<td>19</td>
</tr>
<tr>
<td>Fitting the Brushcutter Blade</td>
<td>20</td>
</tr>
<tr>
<td>Changing/Removing the Brushcutter Blade</td>
<td>21</td>
</tr>
<tr>
<td>Tips for Operation</td>
<td>22</td>
</tr>
<tr>
<td>Specific Assembly for use as a Line Trimmer</td>
<td>22</td>
</tr>
<tr>
<td>Fitting/Removing the Spool and Line assembly</td>
<td>23</td>
</tr>
<tr>
<td>Changing the line only on the Spool and Line assembly</td>
<td>25</td>
</tr>
<tr>
<td>Use of the Line trimmer</td>
<td>27</td>
</tr>
<tr>
<td>Advancing the line manually</td>
<td>27</td>
</tr>
<tr>
<td>Tips for operating the Line Trimmer / Tips for cutting</td>
<td>28</td>
</tr>
<tr>
<td>Feeding the line</td>
<td>29</td>
</tr>
<tr>
<td>Fuelling</td>
<td>30</td>
</tr>
<tr>
<td>Starting the Brushcutter / Line Trimmer</td>
<td>31</td>
</tr>
<tr>
<td>Stopping the Brushcutter/Line Trimmer/Maintenance and Cleaning</td>
<td>33</td>
</tr>
<tr>
<td>Air filter Fuel Filter /</td>
<td>34</td>
</tr>
<tr>
<td>Checking the spark plug, Servicing</td>
<td>35</td>
</tr>
<tr>
<td>Storage &amp; Maintenance</td>
<td>36</td>
</tr>
<tr>
<td>Warranty / Environmental protection /</td>
<td>36</td>
</tr>
<tr>
<td>What your 3 year warranty means</td>
<td>36</td>
</tr>
<tr>
<td>Service Support / Accessories</td>
<td>37</td>
</tr>
<tr>
<td>Troubleshooting</td>
<td>38</td>
</tr>
<tr>
<td>Specifications</td>
<td>39</td>
</tr>
</tbody>
</table>
Congratulations on the purchase of your Gardenline® 31cc 4 Stroke Brushcutter / Line Trimmer. When you open your packaging, first remove all items and check there are no parts damaged or missing. If you find anything wrong, do not operate the product until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

**IMPORTANT INFORMATION.**

**NOTE:** This is a 4 stroke Brushcutter / Line Trimmer. The motor MUST be filled with 60ml of SAE 10W/30 BEFORE starting. Fresh unleaded fuel must be used in this unit. Do NOT use Ethanol based fuels. Do NOT mix oil with fuel.

**Contents of carton**

1 x Brushcutter Guard (Guard, clamp, 2 x screws + 4 x washers)
1 x 3T Brushcutter Blade
2 x Spool & Line Assembly (not fitted)
1 x Clip On Line Trimmer Guard Attachment
1 x J Handle
1 x Double Shoulder Strap Harness
1 x Spark Plug Tube Spanner
1 x Open Ended Spanner (10mm-8mm)
2 x Allen Key (5mm & 4mm)
1 x Blade Nut Spanner / Wrench
1 x Instruction Manual
1 x Warranty Card & details
Description of symbols

The instruction manual or rating plate on your product may show symbols. These represent important information about the product or instructions on its use.

⚠️  Conforms to relevant standards for electromagnetic compatibility.

☀️  Wear hearing protection, eye protection and breathing protection.

👟  Wear safety footwear.

🍋  Wear safety gloves.

⚠️  Warning.

📢  Read these instructions for use carefully.

Choke control

Start position (choke closed).

Run position (choke open).

⚠️  Use at a distance of at least 15m from other people.

⚠️  Thrown objects and rotating line can cause severe injury.

⚠️  Do not operate the unit without the safety guard in place.

⚠️  Keep away from rotating cutter.

⚠️  Sharp blade on the safety guard, do not touch the cut off knife.

⚠️  Explosive material.

⚠️  Extremely hot surface. Do not touch a hot muffler, gear box or cylinder, you may get burned. These parts get extremely hot from operation and remain hot for a short time after the unit is turned off.

⚠️  Do not put in water

Noise label rating 84dBA (taken at 7.5 metres)
you must wear ear protection at all times.
General safety warnings

Intended use of the 31cc 4 Stroke Brushcutter / Line Trimmer

NOTE: This product is for private domestic DIY use only. It is not suitable for commercial or trade use.

This Line Trimmer has been designed for trimming lawn edges and grass around shrubs and trees.

The Brushcutter has been designed for cutting and clearing grass, thick weeds, vegetation and shrubs.

⚠️ WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

The word power tool used in the following warnings and throughout this manual refers to BOTH electrical power tools and ALSO petrol driven power tools.

This unit may not be used by people (including children) with reduced physical, sensory or mental capacities, with a lack of experience and without the appropriate knowledge, unless they are supervised by someone who is responsible for their safety or have been instructed by such a person with regard to how the unit is to be operated. Children should be supervised to ensure that they do not play with the device.

Save all warnings and instructions for future reference

1. Work area safety
   a. Keep work area clean and well lit. Cluttered or dark areas invite accidents. Rags, cloths, cord, string and similar items should never be left around the work area.
   b. Do not operate power tools in explosive environments, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks, which may ignite the dust or fumes.
   c. Keep children and bystanders away while operating a power tool. Distractions can cause the operator to lose control.

2. Electrical safety
   a. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
b. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is increased risk of electric shock if your body is grounded.

c. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

d. **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged or entangled cords increase the risk of electric shock.

e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor reduces the risk of electric shock.

f. **To reduce the risk of electric shock, the manufacturer recommends the use of a residual current of 30mA or less at all times.**

3. **Personal safety**

a. **Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

a. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection will reduce personal injuries.

a. **Prevent unintentional starting.** Ensure the switch is in the “off” position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

a. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or key left attached to a rotating part of the power tool may result in personal injury.

a. **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

a. **Dress properly. Do not wear loose clothing or jewellery.** Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

a. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
4. Power tool use and care

a. **Do not force the power tools.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

a. **Do not use the power tool if the switch does not turn it “on” and “off”.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

a. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

a. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

a. **Maintain power tools with care.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool’s operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

a. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

a. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
Additional Safety Rules for Petrol Products

- Do not operate in a hazardous location. Such areas include where there is a risk of explosion of petrol fumes, leaking gas or explosive dust.
- Do not operate in a confined area. Exhaust gases, smoke or fumes could reach dangerous concentrations.
- Protect your product. This Brushcutter / Line Trimmer is NOT WEATHERPROOF and should not be exposed to direct sunlight, high ambient temperature and damp, wet or high humidity conditions.
- Do not smoke while refuelling. This is potentially dangerous as it may ignite the fuel and cause an explosion.
- Take care not to spill fuel or oil. When refuelling the Brushcutter / Line Trimmer ensure that the motor has been switched off. Prevent the spilling of fuel as this may also ignite with the hot motor. Never refuel whilst the engine running.
- Check for fuel leaks. Do not operate if a fuel leak is detected. Where a fuel leak is detected, drain the tank of fuel and have the leak repaired.
- Be careful where you store the Brushcutter / Line Trimmer. Store the Brushcutter / Line Trimmer in a dry area away from flammable liquids.
- Keep your distance. The Brushcutter / Line Trimmer emits exhaust fumes. Ensure bystanders keep a safe distance.
- Never fill fuel tank indoors. Never fill fuel tank when engine is running or hot. Do not smoke when filling fuel tank.

- Wear goggles
- Wear earmuffs
- Wear a breathing mask
Additional Safety Rules for Petrol Line Trimmers.

- Follow all sections of the Additional Safety Rules for Petrol Products.
- Always wear goggles, earmuffs and a dusk mask when using the Line Trimmer.
- Only use the length and diameter of nylon cutting line as detailed in this manual. Never use any other cutting material.
- Never use the Line Trimmer without the supplied and correctly fitted guard.
- Ensure the line trimming blade is in good order to ensure the correct length of cutting line is maintained.
- Keep bystanders at least 5 metres away from the operating the Line Trimmer.
- During operation, always hold the Line Trimmer with both hands, and make use of the Double Shoulder Strap Harness.
- Maintain a firm footing. Wear suitable fully enclosed footwear.
- Always turn off the petrol motor when making adjustments to the cutting head or line, when cleaning, or performing any maintenance tasks.
- When operating the Line Trimmer, be aware of the ground where the Line Trimmer is being operated. The cutting head and line is designed to trim grass and similar undergrowth, and stones and foreign matter should be avoided.
- Prior to operation, ensure the assembled line Line Trimmer is checked for loose components and the operating controls of the trimmer. Do not use the Line Trimmer if the controls are not in perfect working order. Ensure all nuts, bolts and clamps are all tight.

Additional Safety rules for Petrol Brushcutters

**WARNING:** Extreme care must be taken when using blades to ensure safe operation. Read the safety information for safe operation using the blade.

- Follow all sections of the Additional Safety Rules for Petrol Products.
- Always hold Brushcutter with both hands when operating. Use a firm grip on both handles.
- Maintain your grip and balance on both feet. Position yourself so that you will not be drawn off balance by the kick-back reaction of the cutting blade.
- Inspect and clear the area of any hidden objects such as glass, stones, concrete, fencing, wire, wood, metal, etc.
• Never use blades near footpaths, fencing, posts, buildings or other immovable objects.
• Never use a blade after hitting a hard object without first inspecting it for damage. Do not use if any damage is detected.
• The unit is used as a scythe, cutting from the right to the left in a broad sweeping action from side to side.
• Always wear goggles, earmuffs and a dusk mask when using the Brushcutter.
• Only use blades with a cutting diameter of 255mm and a bore size of 25.4 mm.
• Only use the Brushcutter with the correctly supplied and fitted Brushcutter guard.
• Keep bystanders a minimum of 15 metres from the operation of the Brushcutter.
• Prior to operation, ensure the assembled Brushcutter is checked for loose components and the operating controls of the Brushcutter. Do not use the Brushcutter if the controls are not in perfect working order. Ensure all nuts, bolts and clamps are all tight.
• Check the blade is correctly seated and the blade nut is tight.
• DO NOT substitute the blade with any other types of blade other than that is detailed in this manual. DO NOT fit a saw blade to this product.
• This brushcutter is fitted with a centrifugal clutch. At idle, the blade must not be rotating. Make a practice to always check the clutch is correctly operating and at idle the blade does not rotate, and rotation of the blade only occurs as the speed of the motor is increase from manually operating the speed trigger. Do NOT use the brushcutter if the blade at idle speed is rotating and take it to an authorised service centre.
• Exercise extreme caution when using the 3T brushcutter blade with this unit. Blade thrust is the reaction which may occur when the spinning 3T brushcutter blade contacts anything it cannot cut. This contact may cause the 3T brushcutter blade to stop for an instant, and suddenly “thrust” the unit away from the object that was hit. This reaction can be violent enough to cause the operator to lose control of the unit. Blade thrust may occur without warning if the blade snags, stalls or binds. This is more then likely to occur in areas where it is difficult to see the material being cut.
Parts List

1. Spark plug/spark plug cover
2. Recoil starter
3. Air filter cover
4. Motor housing
5. Fuel tank cap
6. Fuel tank
7. Main handle
8. Throttle trigger
9. Safety lever
10. On/Off switch
11. Upper shaft
12. J Handle
13. Shaft locating lever
14. Shaft locking knob
15. Lower shaft
16. Guard attachment clamp (+2 x screws & washers)
17. Brushcutter guard
18. Lower shaft gearbox
19. Spindle lock entry hole
20. Spindle
21. Inner bush with spindle hole
22. Choke lever (Red lever)
23. Priming bulb
24. Oil reservoir/ dipstick
25. Screw holes for Brushcutter guard
26. Blade nut
27. Protector
28. 3T Brushcutter blade
29. Outer flange
30. Inner flange
31. Double shoulder strap harness
32. Cut off knife
33. Clip-on Line trimmer guard attachment
34. Bump knob
35. Spool & Line Assembly
36. Assembly accessories
   (1 x Spark plug tube spanner,
   1 x Open ended spanner - 10mm-8mm,
   2 x Allen key - 5mm & 4mm,
   1 x Blade nut wrench)
37. Double shoulder strap attachment point
38. Fuel tank bracket (not shown)
Operation of the Brushcutter / Line Trimmer

Adding and Checking the oil

IMPORTANT: The motor of this brushcutter / line trimmer is packed with NO OIL in the motor. Prior to starting the motor, oil MUST be added to the oil reservoir (24). Failure to add sufficient oil will result in damage to the motor which is NOT covered under the warranty of the unit.

NOTE: This is a 4 stroke brushcutter / line trimmer. The motor sump MUST be filled with 60mL of SAE 10W/30 BEFORE starting. Fresh unleaded fuel must be used in this unit. Do not use ethanol based fuels.

Do NOT mix oil with fuel. Oil must be separately poured into the sump of the motor as follows, and also the oil level MUST be checked every time the line trimmer / brushcutter is used.

NEVER attempt to remove the oil dipstick (24) while the motor is running. ENSURE the motor is not running when the oil level is being checked.

On a new unit, the motor needs to be filled with 60mL of SAE 10W/30 engine oil.

To initially fill with oil or to check the oil level, follow the process below.

1. Lay the unit down so that the fuel tank bracket (38) is resting on a secure surface, or on the ground. Clean the area directly around the oil reservoir (24). (Fig. A)

2. Clean the area directly around the oil dipstick (24), and then fully remove/unthread the oil dipstick in an anti clockwise direction.

3. On a new unit which has not previously been filled with oil, Measure 60mL of SAE 10W/30 oil and pour into the oil reservoir (24) where the dipstick was removed.

4. Clean the dipstick portion of any oil residue and then insert the dipstick fully into the motor, however, DO NOT THREAD the dipstick into the reservoir. Hold the dipstick in place for a few second and then remove. (Fig B)
5. Check the oil mark on the dipstick. It should be approaching the top mark on the dipstick (Fig C). Be careful not to overfill. (Fig D)

6. If the oil level is not close to the top oil mark line, then add small amounts of oil and repeat steps 3, 4 & 5 until the oil level is approaching the top oil mark on the dipstick. DO NOT OVERFILL. Do Not EXCEED the upper mark on the dipstick.

7. **IMPORTANT:** The motor should NEVER be started if the oil level is below the low oil mark. Always check the oil level before starting ensuring the brushcutter / line trimmer is positioned as per step 1 for checking.

8. When the oil level is at the upper oil level mark, replace the dipstick and thread in the dipstick in a clockwise direction until the dipstick is firmly in place. The Sealing O ring on the shoulder of the dipstick should be fully compressed when the dipstick is firmly hand tightened.
User Instructions

General Assembly for use as a Line Trimmer or Brushcutter

Connecting the Lower shaft to the Upper shaft

1. Lay the unit down so that the fuel tank bracket (38) is resting on a secure surface, or on the ground.
2. Loosen the shaft locking knob (14). (Fig. E)
3. Whilst pushing down on the shaft locating lever (13) as indicated by the word “PUSH”, insert the lower shaft (15) into the upper shaft (11) joiner. There is a small locating slot in the lower shaft. When this slot enters the joiner, release the locating lever (13). Continue to insert fully the lower shaft. When fully inserted the tab on the locating lever (13) should locate into the slot of the lower shaft. If the shaft slot does not locate into the locating lever tab, rotate the lower shaft until the slot fully engages. You will hear a click when it engages. (Fig. F)

**NOTE:** Ensure you check that the lower shaft cannot be pulled outwards when the lever is correctly engaged.

4. When the shaft is located, tighten the shaft locking knob (14) to secure both shafts in place. (Fig. G)
5. Using the 5mm supplied allen key (36), check the screw on the underside / opposite side of the locking lever is tight. (Fig. H)
Connecting the J handle to the Upper shaft

**WARNING.** The J handle must be fitted before use of this product. This includes both combinations of the Brushcutter or the Line Trimmer. Ensure the motor is NOT operating when fitting or adjusting the J handle.

1. Lay the unit down so that the fuel tank bracket (38) is resting on a secure surface, or on the ground. The J Handle clamp assembly has already been located and fitted to the upper shaft (15). Using the supplied 5mm allen key (36), and the 10mm open ended spanner (36), remove the screws retaining the top clamp plate of the clamp assembly. Remove the top clamp plate. (Fig I)

**NOTE:** The two screws retaining the top cover plate are of a different length and MUST be replaced in the same position. The longer screw is the 10mm Hex headed bolt. (Fig J)

2. The J handle (12) will sit in the recess of the J handle clamp, but the locating screw in the recess must locate in one of three holes in the J Handle tube i.e select the length of the J handle required and locate the J handle in the clamp recess with the locating screw entering one of the three holes in the J handle tube. (Fig K & L)
3. Re-fit the J handle clamp plate on top of the J handle (12) and replace the screws through the clamp plate and into the clamp. (Fig M)
   **Note:** ensure the long hex headed screw is fitted in the same position as was disassembled. The longest screw should be the lower screw towards the lower shaft. Both screws should be equally tightened firmly on the clamp plate.

4. To change the length of the J handle (12), repeat steps 1 – 4 above but locate the J handle in either of the other two holes.

5. The J handle can also be moved up and down the shaft over a very short and limited distance. There are two holes in the main shaft of which one must locate on the locating screw on the J handle clamp.

**Adjusting the J Handle up and down the Upper Shaft**

1. Loosen the two clamp screws 6 full turns on the underside of the clamp where the clamp plate secures the clamp to the upper shaft (11), using the supplied 5mm allen key and the 10mm open ended spanner (36). (Fig N)

2. Lift the clamp so the location screw disengages from the hole in the upper shaft (11). Move the clamp to the second hole ensuring the location screw locates into the second hole. (Fig O)
3. When the location screw has entered the location hole, the under screws securing the clamp plate can be tightened. Ensure the screws are equally and firmly secured. (Fig P)

4. Check the clamp is firmly secured to the upper shaft (11).

5. If you require further adjustment, the lower clamp plate securing the clamp to the upper shaft (11) can be fully removed and the clamp rotated 180°. Take note of the screws; there is one long hex headed screw and one short screw, and they need to be replaced in the same threaded hole in the clamp. (Fig Q1/2)

6. Locate the locating screw in one of the location holes in the upper shaft (11) and replace the lower clamp plate and the two screws. (Fig R) IMPORTANT: Ensure to replace the screws into the clamp assembly in the same threaded hole. There is one long screw and one short screw, so ensure the screws are replaced as they were removed.

7. Check the clamp if firmly secured to the upper shaft. IMPORTANT: Do NOT loosen both the J handle clamp plate and the upper shaft J handle clamp plate. Make the adjustments one at a time ensuring the other is fully tightened before attempting the other adjustment.
Fitting the Brushcutter / Line Trimmer Guard

Before using either the Brushcutter or Line Trimmer, the Brushcutter Guard needs to be assembled.

1. Lay the unit down so that the fuel tank bracket (38) is resting on a secure surface, or on the ground.

2. Place the brushcutter guard (17) on the underside of the lower shaft (15) so that the 2 holes on the guard line up with the hole in the lower shaft. (Fig. S)

3. Place the guard clamp on the top side of the shaft lining up the 2 screw holes on the clamp with the 2 screw holes on the brushcutter guard (25). (Fig. T)

NOTE: There is a small dimple on the underside of the guard clamp which when lined up correctly will engage with the hole in the lower shaft.

4. Once the dimple is located, insert the 2 screws; one on each side of the guard clamp, and using the supplied 5mm allen key (36) tighten in a clockwise direction until secure. (Fig. U)

If proceeding to use as the brushcutter, the 3T brushcutter blade (28) needs to be assembled. Refer to the “Fitting the Brushcutter Blade instructions” (on page 20).

If proceeding to use the line trimmer, the clip-on line trimmer guard attachment (33) and spool and line assembly (35) requires assembly. Refer to the “Fitting the Clip-on Guard Attachment to the Line Trimmer” on page 22/23 and “Fitting the Spool and Line assembly on the Line Trimmer” on page 23/24 for these instructions.
Fitting & Adjusting the Double Strap Shoulder Harness

**WARNING.** The Double strap shoulder harness (31) must be fitted before use of the product.

This includes both combinations of the brushcutter or the line trimmer.

1. Place the shoulder straps over each shoulder so that the 2 padded shoulder straps are located on your front side (Fig. V), with the square black plastic support where the straps interweave, located on your back. (Fig. W)

2. Connect the clip at the front to secure the double strap shoulder harness (31) into position on your body. (Fig. X) **NOTE:** The side pad guard will be located on your right hand side.

3. To adjust the double shoulder strap harness (31) on your body, tighten or loosen the front straps adjusters. (Fig. Y)

4. Ensure the metal connector clip is attached onto the side pad guard correctly. When in the correct position, the long metal tab (as shown in Fig. Z with the arrow on it) needs to be holding the metal connector clip in place.

5. To attach to the unit, insert the clip on the side pad guard through the double strap shoulder harness attachment point (37) (Fig. AA)

The location of the side pad guard can also be changed by tightening or loosening the adjuster on the side pad guard.

The double shoulder strap harness (31) is fitted with a quick release clip which allows rapid removal of the appliance from the harness.

To activate the quick release clip so as to remove the appliance, “Pull the red tab thus withdrawing the metal tab”. The attaching clip will then release from the harness.
Fitting the Brushcutter Blade

**NOTE:** Always ensure the engine is turned off before undertaking this task.

**NOTE:** Before fitting, check the diameter of the cutter is 255mm, and the Bore size is 25.4mm. Do NOT proceed if the cutter is different to these specifications.

1. Lay the unit down so that the fuel tank bracket (38) is on the ground or on a secure surface. Lift the gearbox end of the lower shaft (15) to gain access to the spindle (20).

2. Place the inner flange (30) over the spindle (20) ensuring the flats on the spindle (20) align with the flats in the inner flange (30). Fully seat the inner flange. (Fig AB)

3. Place the 3T brushcutter blade (28) over the spindle (20) and locate on the raised centre of the inner flange (30). (Fig AC). Ensure the direction of rotation of the blade as indicated by an arrow on the blade corresponds with the arrow direction on the top of the guard.

4. Place the outer flange (29) over the spindle (20) on top of the 3T brushcutter blade (28) (Fig. AD), followed by the protector (27).

5. Place the blade nut (26) on to the spindle (20) and thread the nut in an anti clockwise direction all the way down to the protector (27). (Fig. AE)

6. To fully tighten the 3T brushcutter blade (28) onto the spindle (20) ensure the 3T brushcutter blade (28) is still correctly located on the inner flange (30).

7. Insert the long end of the supplied 4mm allen key (36) through the spindle lock hole (19) and into the hole on the inner flange (30). (This locks the spindle allowing the blade bolt to be secured) (Fig. AF)

8. Whilst holding the supplied allen key (36) in position to lock the spindle, use the supplied blade nut wrench (36) to fully tighten the blade nut (26) and secure the 3T brushcutter blade (28) into position. Ensure the 3T brushcutter blade (28) is secured tight before removing the allen key (36) from the spindle hole.
Changing/Removing the Brushcutter Blade

**NOTE:** Always ensure the engine is turned off before undertaking this task.

1. Lay the unit down so that the fuel tank bracket (38) is on the ground or on a secure surface. Lift the gearbox end of the lower shaft (15) to gain access to the output spindle (20).

2. Insert the long end of the supplied 4mm allen key (36) through the spindle lock entry hole (19) and into the hole on the inner flange (30). (This locks the spindle allowing the blade bolt to be secured). (Fig. AG)

3. Using the supplied blade nut wrench (36), loosen the blade nut (26) by turning in a clockwise direction (Fig. AH).

4. Remove the blade nut (26), protector (27), outer flange (29), and 3T brushcutter blade (28) in this order.

   **NOTE:** If you are removing your brushcutter blade to use the unit as a line trimmer, refer to page 23/24 for instructions on “Fitting the Spool and Line Assembly on the Line Trimmer”.

5. Replace with the new blade and follow steps 3-8 in the “Fitting the Brushcutter blade” section.

Operation of the Brush Cutter

To commence with operation of the brushcutter, refer to the instructions on page 30.

**NOTE:** Ensure you have filled the unit with the correct fuel and oil before proceeding to start the unit.

**NOTE:** This is a 4 stroke brushcutter / line trimmer. The motor MUST be filled with 60mL of SAE 10W/30 BEFORE starting.

Fresh unleaded fuel must be used in this unit. Do NOT use ethanol based fuels. Do NOT mix oil with fuel.
**Tips for Operation**

Always use the double shoulder strap harness (31) when using the brushcutter to avoid serious personal injury.

Hold the brushcutter with one hand on the trigger handle and the other hand on the J handle (12). Keep a firm grip with both hands while in operation. The brushcutter should be held at a comfortable position with the double shoulder strap attachment point (31) about hip height.

Maintain your grip and balance on both feet. Position yourself so that you will not be drawn off balance by the kick-back reaction of the 3T brushcutter blade (28).

When using the double shoulder strap harness (31), adjust to position the double shoulder strap attachment point (37) on the brushcutter at approximately hip height.

Exercise extreme caution when using the 3T brushcutter blade (28) with this unit. Blade thrust is the reaction which may occur when the spinning 3T brushcutter blade (28) contacts anything it cannot cut. This contact may cause the 3T brushcutter blade (28) to stop for an instant, and suddenly “thrust” the unit away from the object that was hit.

This reaction can be violent enough to cause the operator to lose control of the unit. Blade thrust may occur without warning if the blade snags, stalls or binds. This is more then likely to occur in areas where it is difficult to see the material being cut.

For cutting ease and safety, approach the weeds being cut from the right to the left. In the event that an unexpected object or woody stock is encountered, this could cause the blade thrust reaction.

**Specific Assembly for use as a Line Trimmer**

**Fitting the Clip-on Guard Attachment to the Line trimmer**

**NOTE:** Always ensure the engine is turned off before undertaking this task.

Always use the double shoulder strap harness (31) when using the line trimmer to avoid serious personal injury.

**NOTE:** The clip-on line trimmer guard attachment (33) must be secured to the brushcutter guard (17) before ANY line trimming work is undertaken.

**NOTE:** Always ensure the engine is turned off before undertaking this assembly.
**WARNING:** There is a cut off knife (32) on the clip-on line trimmer guard attachment (33). Use gloves to fit the clip-on line trimmer guard attachment (33) to avoid injury.

1. Lay the unit down so that the fuel tank bracket (38) is on the ground or on a secure surface. Lift the gearbox end of the lower shaft (15) to gain access to the output spindle (20).

2. Line up the tabs on the clip-on line trimmer guard attachment (33) with the large slots on the brushcutter guard (17). There are 2 main release clips; one on each end of the clip-on line trimmer guard attachment (33). This needs to line up with the large slots on the brushcutter guard (17). (Fig AI)

3. When all tabs are lined up in position, push the tabs on the clip-on line trimmer guard attachment (33) into the slots, and the release clips into the large slots. You will hear clicks when the release clips are secure. (Fig. AJ)

**NOTE:** Before using the line trimmer, remove the cut off blade protector. After using the line trimmer, it is recommended to replace the blade protector.

**Fitting the Spool and Line Assembly on the Line Trimmer**

**NOTE:** If the unit has been used as a brushcutter first, the brushcutter blade will need to be removed before fitting the spool and line assembly. Refer to “Changing/Removing the Brushcutter Blade” for instructions on how to remove the blade on page 21.

**NOTE:** Always ensure the engine is turned off before undertaking this assembly.

1. Lay the unit down so that the fuel tank bracket (38) is on the ground or on a secure surface. Lift the gearbox end of the lower shaft (15) to gain access to the spindle (20).

**IMPORTANT:** Ensure the inner flange is mounted on the spindle of the line trimmer.

The outer flange (29), the protector (27), the 3T brushcutter blade (28) and the blade nut (26) are NOT required when the line trimmer spool & line assembly (35) is being fitted.
Keep these components in a safe place. The 3T brushcutter blade (28) should be placed back in the cardboard packaging/envelope.

2. Place the spool and line assembly (35) on the spindle (20) and thread on to the spindle finger tight in an anti clockwise direction all the way down until the back of the spool makes contact with the inner flange (30). (Fig AK)

3. Insert the long end of the supplied 4mm allen key (36) through the spindle lock entry hole (19) and into the hole on the inner flange (30). (This locks the spindle allowing the spool and line assembly (35) to be secured). Further tighten the spool and line assembly (35) ensuring the assembly is tight on the spindle (20) and inner flange (30) before removing the 4mm allen key from the spindle hole to release the spindle being locked. (Fig. AL)

**Removing the Spool and Line Assembly**

**NOTE:** Always ensure the engine is turned off before undertaking this assembly.

1. Lay the unit down so that the fuel tank bracket (38) is on the ground or on a secure surface. Lift the gearbox end of the lower shaft (15) to gain access to the output spindle (20).

2. Insert the long end of the supplied 4mm allen key (36) through the spindle lock entry hole (19) and into the hole on the inner flange (30). (This locks the spindle allowing the spool and line assembly to be removed). (Fig. AL)

3. Loosen the spool and line assembly (35) in a clockwise direction until it can be removed from the spindle (20). Remove the allen key (36) locking the spindle (20) once the spool and line assembly (35) has been removed.

**NOTE:** If replacing the spool and line assembly (35) with the supplied additional assembly, follow the “Fitting the Spool and Line Assembly on the Line Trimmer” instructions on the previous page.

If replacing just the spool line on the supplied spool and line assembly, refer to the instructions following this section.
Changing the line only on the Spool and Line Assembly

NOTE: Always ensure the engine is turned off before undertaking this assembly.

NOTE: The spool and line assembly supplied with this product requires 1 length of 2.4mm diameter nylon cutting line with a length NOT EXCEEDING 2.8 metres long. Do NOT attempt to fit larger diameter line or length longer than 2.8 metres as this will prevent the bump feed to operate correctly.

1. Whilst holding the spool and line assembly (35) with the bump knob (34) facing upwards, push in the 2 side outer parts of the assembly in between where the 2 ribs protrude on each side.
   When pushing in both sides at the same time the spool cover can be removed. Ensure the lines protruding from the eyelets are carefully pulled out when you remove the inner spool. (Fig. AM)
   NOTE: When removing the spool, there is a large spring + 1 washer located on each end of the spring. Do not lose these. (Fig AN)

2. Remove any remaining line in the spool.

3. Prior to fitting the line into the spool and line assembly (35), the line needs to be prepared. Take a 2.8 metre length of 2.4mm line and halve it. Inspect each end of each line and ensure the line has no burrs from being cut.

4. Fold the full length of line in half and place the half way mark of the line into the notch in the spool (Fig. AO)
5. Wrap the line around the inside of the spool (following the directional arrow on the underside of the spool as indicated by the “WIND CORD” and arrow). Ensure the line is wrapped tightly and neatly. (Fig. AP)

6. When there is approximately 150mm of line left, lock one of the lines into one of the line location notches in the spool head and the other into the opposing notch (Fig. AQ).

7. With the spring fitted onto the spigot of the spool holder, insert the spool back into the holder. As you insert the spool, thread the lines through the eyelets (Fig. AR)

Make sure the metal washers are on each end of the spring so the spring does not run on the plastic surfaces.

NOTE: When inserting the spool into the housing, the spool may need to be rotated slightly so as to locate into the housing. Push firmly to ensure the inner spool of line is fully inserted into the spool cover. This will also unclip the line from the inner notches.

8. With the inner spool firmly held in place, the outer cover needs to be fitted. Fit the outer cover over the bump knob (34) by transferring the pressure on the bump knob (34) from one thumb to the other thumb through the centre of the outer cover. (Fig. AS)

9. Align the cover with the rear spool cover and push and clip into position. (Fig. AT)

When the cover is in place pull on the lines to ensure the line is free from the inner notches.

If you are in doubt, refer to the section “Advancing the line manually” on page 27 and ensure the line is feeding.

RECHECK and ensure the outer cover is fully clipped in place.

To install the spool and line assembly (35), refer to ‘Fitting the Spool and Line Assembly on the Line Trimmer” instructions on page 23/24.
Prior to operating the line trimmer after line has been added, it is suggested to trim the lines so they are even and just short of the cutting blade on the guard. This prevents a possible large section of line being trimmed at high speed. When you start the line trimmer, bump the head of the spool on the ground to enable the cut off knife on the guard to cut the line to the required length for use.

Operation of the Line Trimmer
To start the line trimmer, refer to the instructions on page 30.

NOTE: This is a 4 stroke brushcutter / line trimmer. The motor MUST be filled with 60mL of SAE 10W/30 BEFORE starting. Fresh unleaded fuel must be used in this unit. Do NOT use ethanol based fuels. Do NOT mix oil with fuel.

Use of the Line trimmer
This petrol line trimmer is only made to cut grass.

- Always use the double shoulder strap harness (31) when using the line trimmer to avoid serious personal injury.
- Perform a few accelerations of the motor without reaching maximum speed and without working to make sure that everything is in good working order.
- Start the engine only when you are close to the working area.
- Place yourself in a well balanced position, stable on both feet.

Advancing the line manually

NOTE: Always ensure the engine is turned off before undertaking this task.

1. Push the bump knob (34) in while pulling on both lines to manually advance the line. (Fig. AU)
2. Release the bump knob and again pull on both lines to advance the line further. (Fig. AV)
3. If the line still does not advance remove the spool and check the lay of the line. It may be twisted or trapped under over laying line.
Tips for operating the Line Trimmer

**IMPORTANT.** Petrol line trimmers transmit vibrations to the operator during use. These vibrations can generate increased fatigue. For this reason, we recommend taking regular breaks during work. We also recommend taking a break after a few hours of work to rest the engine. If abnormal noise or vibration occurs during operation, turn the line trimmer off immediately and have the problem corrected.

Keep a firm grip on the trimmer with both hands while in operation. The trimmer should be held at a comfortable position with the rear handle about hip height.

Always operate the trimmer at full throttle. Cut tall grass from the top down to prevent grass from wrapping around the spool which may cause the trimmer to overheat.

**NOTE:** If grass becomes wrapped around the spool, stop the engine, disconnect the spark plug wire, and remove the grass.

Tips for cutting

**WARNING.** Beware of bystanders at all times

- Cut the grass like you are in a corridor about 1.5m wide. Move step by step, moving the machine from left to right and vice-versa. Make sure at each step that you are still well balanced on your feet.

- Keep the line trimmer tilted towards the area being cut

- Let the tip of the line do the cutting. Never force the spool into uncut grass.

- Running the line into fences, stone and brick walls, curbs, and wood causes extra line wear, even breakage.

- Do NOT run the bump knob (34) on the ground during the cutting process. The bump knob (34) should only touch the ground when the bump knob (34) is tapped on the ground to extend the cutting line.
Feeding the line

The line trimmer has a bump feed mechanism which releases the line without having to stop the engine.

1. To release additional line increase the speed of the motor to no less than half speed, then, lightly tap the bump knob (34) on the ground while operating the unit at high speed.

**NOTE:** Always keep the line fully extended for optimum cutting performance. Line release becomes more difficult as the cutting line becomes shorter. Cutting efficiency also decreases as the line becomes shorter.

The line will not extend if the speed of the spool is not operating at least half speed. If the line does not extend, increase the speed to full speed while tapping the bump knob on the ground. If the line still does not extend, stop the motor and check the line inside the spool has not tangled and also ensure there is sufficient line in the spool.

2. Each time the head is bumped it releases approximately 2cm of line. Release the line until it strikes the cut off knife (32). This may require several taps.

**NOTE:** The cut off knife (32) on the clip-on line trimmer guard attachment (33) will automatically cut off any excess line. For best results tap the head on hard soil or bare ground. Never bump the spool head on concrete as it may crack the spool housing. Make sure the cut off knife (32) protector has been removed. It is recommended to replace the protector when the line trimmer is not in use.

**IMPORTANT.** Do not hit stones (even small ones), piles of earth, and small pieces of wood or anything else that could be hidden or poorly visible in the grass. If you hit a large object by accident, or if you jam the cutting tool due to overloading or having the cutter jammed with grass, you must stop the engine.

**NOTE:** All protective devices of the machine as well as protective equipment must be maintained in good operation condition during the period of use.

**NOTE:** If the line is too short you may not be able to advance the line by tapping it on the ground. If this is the case, stop the engine and manually advance the line.
Operation of the Brushcutter / Line Trimmer

Fuelling

IMPORTANT: Fuel goes off after about 3-4 months. If you find your unit does not start, first change the fuel in the tank with newly purchased fuel.

WARNING: Do not refill fuel tank while engine is running or is hot. Move at least 10m away from the refuelling site before starting engine.

NOTE. Do not use fuel that contains ethanol. Use fresh unleaded fuel.

Do not smoke when refuelling or operating the product.

- Be careful not to admit dust, dirt, water or other foreign objects into the fuel.
- Wipe off spilt fuel thoroughly before starting engine.
- Ensure you DO NOT fuel the unit in close proximity to any open flames, lit cigarettes, or hot objects.

1. Unscrew the fuel tank cap (5) and pour fresh unleaded fuel into the tank with the aid of a funnel. (Fig. AW)

NOTE: The fuel tank capacity is 800mL.

Be careful not to spill any mixture. If this happens, wipe the spill with a clean rag.

2. Replace the fuel cap (5) taking care NOT to cross thread the cap on the fuel tank (6). Tighten the cap firmly in a clockwise direction.

3. When starting the engine ensure it is at least 10m away from the area where the fuel tank has been filled up in order to avoid any risk of fire.

- Always use extreme care when handling fuel! Fuel is highly flammable.
- Never attempt to fuel the product if the fuel system components are damaged or are leaking.
- Never attempt to refuel the engine while it is running or still warm, allow it to cool before fuelling.
- Never smoke or light any fires near the product or fuels.
• Always transport and store fuels in an approved container.
• Never place flammable material close to the engine muffler.
• Never operate the product without a properly functioning muffler and spark plug cover installed.
• Never operate the product unless it is properly assembled and in good working condition.
• Do not use fuel which contains ethanol or methanol as it may damage the fuel lines and other engine parts. Use fresh unleaded fuel.

**Starting the Brushcutter / Line Trimmer**

**Choke control**

| / | Start position (choke closed) |
| - | Run position (choke open) |

1. Press the on/off switch (10) to the ‘on’ position marked with a “I”.
2. Move the choke (red lever) (22) upwards to the full choke or cold start position. (Fig. AX)

**NOTE.** This is not required if the engine is already warm.

3. Push the priming bulb (23) 6-10 times, until the priming bulb fills with fuel mixture and excess fuel is pumped down the bypass tube when the bulb is pressed. (Fig AY)

**NOTE.** For cold starting this is an important step.

4. Check the ignition on/off switch (10) is on. (‘I” pressed down). Pull the recoil starter (2) lightly until you feel resistance then pull quickly until the engine starts. (Fig. AZ) (Under full choke it may only run for 1 or 2 seconds).
5. Push the choke (red lever) (22) half way down and allow the motor to warm up. Restart if the motor stops.
Do not pull the cord with a jerk or release it until fully rewound. Provided the previous steps have been performed, the motor should start.
6. Once the engine is fully warm ensure the choke (red lever) (22) is down fully to the run position (warm start).

**Warm Start**
When re starting the unit after it has been used and the motor is hot, there is no need to engage the choke (red lever) (22). Follow steps 4, 5, and 6 above.

**A Flooded engine**
If the choke (red lever) (22) has been left in the full choke position and the engine will not start, it is possible the engine has been flooded (Too much fuel).
To assist to clear a flooded engine:
1. Move the choke (red lever) (22) to the run or warm start position.
2. Squeeze the safety lever (9), and pull on fully the throttle trigger (8).
3. Check the on/off switch (10) is on.
4. Pull the recoil starter (2) a number of times to clear the fuel and start the motor.

⚠️ **WARNING.** Be aware that if starting occurs with the throttle pressed, the motor will accelerate and thus engaging the clutch, which will then rotate the cutting head.
As soon as the motor starts release the throttle so the motor runs at idle speed and disengages the clutch.

**Adjusting the speed on the Brushcutter / Line Trimmer**

**NOTE:** The cutting head (spool and line) will not rotate at the idle speed. The cutting head (spool and line) will engage and rotate when the speed of the motor is increased.
1. To increase speed and engage the cutting head, squeeze the safety lever (9) and then throttle trigger (8). (Fig. BA)
2. To decrease the speed, slowly release the throttle trigger (8) to the desired speed.
3. To disengage the cutter head (spool and line), release all pressure on the throttle trigger (8) and allow the motor to return to idle. The cutter head (spool and line) will disengage at idle.
NOTE: Be aware that when using the 3T brushcutter blade (28), it will take a few seconds to run down.

IMPORTANT: If the cutting head (spool and line) does not disengage and stop when the throttle is in the idle position, TURN OFF the petrol motor and have the unit checked at a service centre.

Stopping the Brushcutter/ Line Trimmer
1. Release the throttle trigger (8) and allow the engine to idle for a few moments.
2. Move the on/off switch (10) to the off position marked with “STOP”.
3. The engine will now stop.

Running in the engine
1. During the first 2–3 hours of work, run the engine at a moderate RPM.
2. We advise you in any case not to maintain your engine at a high speed as the different components must settle with each other during the process of running in the engine.
3. It is at the end of the running in period that the engine will reach its maximum power.
4. After the first two hours of work, stop and make sure that all nuts and screws are securely fastened, and tighten them if necessary.

Maintenance & Cleaning

WARNING. The engine of the petrol brushcutter / line trimmer must be at a complete stop during assembling, repair and cleaning operations that could be necessary.

General inspection
Regularly check that all the fixing screws are tight. They may vibrate loose over time.
Always check when first starting the motor for each use that the cutting head is not rotating under the power of the motor when the motor is at idle.
Do not perform any maintenance procedures with the motor in operation.
Ensure the motor has stopped, and the on/ off switch is in the STOP position.
The spark plug lead should be removed from the spark plug.
Only use original Gardenline replacement parts when component parts require replacement.
Repairs
Repairs beyond those described above, should only be undertaken by trained personal. Should a malfunction occur do not use the unit any further and do not attempt to repair it yourself. Contact Customer Service or have the unit repaired by an approved Service Agent.

Maintenance

Air filter
Accumulated dust in the air filter will reduce engine efficiency, increase fuel consumption and allow abrasive particles to pass into the engine. Remove the air filter as often as necessary to maintain a clean condition.

• Remove the air filter cover (3) by pressing in the single tab and pulling the filter cover towards you. Then remove the filter cover fully by unlatching the 2 hinges at the bottom.
• Light surface dust can readily be removed by tapping the filter.
• Heavy deposits should be washed out in suitable detergent.
• Do not use petrol or other chemical cleaners/solvent.
• Squeeze out the remaining water and allow the filter to completely dry.
• Add a drop of thin oil to the filter and replace it.
• The air filter should be changed after approximately every 50 hours or sooner when used in high dust environments.

Replacement air filters are available for purchase from our website www.extrabattery.com.au.

Fuel Filter
• The fuel tank is fitted with a filter.
• Filter is situated at the free end of fuel pipe and can be picked out through fuel port with a piece of hooked wire or the like.
• Check the fuel filter periodically. Do not allow dust to enter the fuel tank. Clogged filter will cause difficulty when starting engine or abnormalities in engine performance.
• When the filter is dirty, replace the filter.
• When the inside of the fuel tank is dirty, it can be cleaned by rinsing the tank out with petrol.
• The fuel filter should be changed only when it is showing signs of blockage or there is insufficient fuel being supplied to the motor.

Replacement fuel filters are available for purchase by from our website www.extrabattery.com.au.
Checking the spark plug

Check the spark plug every 10–15 hours of use.

1. Remove the spark plug cover (1).
   Note: It is recommended to remove the air filter cover (3) first before removing the spark plug cover as the spark plug lead is held in position under the air filter cover and by removing the air filter cover there is easier access to remove the spark plug cover.

2. Use the supplied spark plug tube spanner and wrench (36) to remove the spark plug, by turning it anti-clockwise. (Fig BB)

3. Clean and adjust the spark plug gap to 0.6 – 0.7mm.
   Replace any damaged or visibly worn plug with a Torch A5RTC, NGK CR5HSA or CR5HSB spark plug, as listed in the specifications table.

4. Install the spark plug finger tight in the cylinder head, then tighten it firmly with the spark plug tube spanner and wrench.
   Replacement spark plugs can be purchased from your local Lawnmower or small engine store.

Servicing

- It is recommended once you first use your product to get it serviced after 15 hours of use.
- From thereafter, service the product every 2 years.
Storage and maintenance after use

- When you finish working, clean the unit completely, making sure there is no grass or dirt wrapped in the cutting tools, and put it back into its package in order to avoid its hurting you or other people during transport.
- Be aware to not hit or cut the fuel tank while you put it onto the ground. Do not let the unit fall down to the floor or it may damage the machine.
- Store the unit away from direct sunlight.
- Do not store in a nylon bag as this can encourage the formation of mould.
- At the end of the season, give the unit an overall cleaning and a thorough check.
- Do not leave the unit resting on the floor for extended periods as it could cause the shape of the guard to alter, posing a safety risk. Hang it off the floor by the top handgrip.

Whenever the machine is not used for a long period of time, proceed as follows:

- Empty the fuel and oil tank completely.
- Protect all metal engine parts from corrosion by coating them with oil.
- Remove the spark plug, put a few drops of oil into the cylinder and then pull the recoil starter 2 to 3 times in order to distribute the oil evenly. Replace the spark plug.

Warranty

Your new Gardenline® Brushcutter / Line Trimmer will more than satisfy your expectations. It has been manufactured under stringent Gardenline® Quality Standards to meet superior performance criteria.

You will find your new Brushcutter / Line Trimmer easy and safe to operate, and, with proper care, it will give you many years of dependable service.

CAUTION. Carefully read through this entire instruction manual before using your new Gardenline® Brushcutter / Line Trimmer. Take special care to heed the Cautions and Warnings.
Your Gardenline® Brushcutter / Line Trimmer has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this Brushcutter / Line Trimmer, making it easy to maintain and operate.

**Environmental protection**

Recycle unwanted materials instead of disposing of them as waste.

All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

**What your 3 year warranty means**

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly.

In the event of product failure within its intended use over the course of the first 3 years after the date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product please contact us via our after sales support services, details of which can be found in this manual and on the product itself. After Sales Support TEL: 1800 909 909

**Service Support**

If you are having difficulty in using your product, you can find instructional Know How videos on our website, www.powertoolsupport.com, by clicking on the Product Assistance tab > How To product Videos.

If you have any issues with the operation of your product, please take it with a copy of your receipt to one of our National Service Agents for repair or call us 1800 909 909 for advice.

A listing of our Service Agents is included with your product, however, you can also find our most updated listing on our website www.powertoolsupport.com, by clicking on the Service Agent link.

**Accessories**

The following accessories are available for purchase by visiting www.extrabattery.com.au or calling our customer service hotline on: 1800 909 909

- Replacement Spool and Line Assembly (49290-SPL)
- Replacement 3T Brushcutter Blade (49290-3TB)
- Replacement Air Filter (49290-AF)
- Replacement Fuel Filter (49290-FF)
# Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power loss or sudden stopping of the engine</strong></td>
<td>Fuel Tank (6) is empty</td>
<td>Check whether the fuel tank (6) is empty and refuel if required.</td>
</tr>
<tr>
<td></td>
<td>The mixture does not reach the carburettor.</td>
<td>Clean the fuel filter in the fuel tank (6).</td>
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<td></td>
<td>There is water in the mixture.</td>
<td>Drain and rinse the fuel system.</td>
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<td></td>
<td>The air filter (3) is dirty.</td>
<td>Refill the fuel tank (6) with new uncontaminated fuel.</td>
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<td></td>
<td>There are carbon deposits in the cylinder exhaust pipe or the muffler.</td>
<td>Clean the air filter (3).</td>
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<td></td>
<td>Flooded engine.</td>
<td>Clean or change the muffler.</td>
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<td></td>
<td>Take the product to a Service Agent.</td>
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<td></td>
<td>Move the choke to the run or Hot start position and restart the unit.</td>
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<tr>
<td><strong>Bad quality cut from the line trimmer</strong></td>
<td>Overloaded cutting due to too high grass or too thick for engine power.</td>
<td>Cut tall grass from the top down.</td>
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<tr>
<td></td>
<td>Wrapped vegetal material on the cutting tool.</td>
<td>Clean the material from the spool and line.</td>
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<td></td>
<td>Line will not advance.</td>
<td>Manually advance the lines.</td>
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<td></td>
<td></td>
<td>Open the spool and line assembly (35) and ensure the lines have not crossed or tangled.</td>
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<td></td>
<td>NOTE: Always ensure the engine is turned off before undertaking this task.</td>
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<td></td>
<td></td>
<td>Lubricate with silicone spray.</td>
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<td></td>
<td></td>
<td>Manually advance the lines.</td>
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<tr>
<td></td>
<td></td>
<td>NOTE: Always ensure the engine is turned off before undertaking this task.</td>
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<tr>
<td></td>
<td></td>
<td>Install more line.</td>
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<td></td>
<td></td>
<td>NOTE: Always ensure the engine is turned off before undertaking this task.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pull lines while alternately pressing down on and releasing bump knob (34).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Remove line from the spool and rewind.</td>
</tr>
<tr>
<td><strong>Engine does not reach full speed</strong></td>
<td>Check the fuel.</td>
<td>Use fresh fuel. Do not use ethanol based fuel.</td>
</tr>
<tr>
<td></td>
<td>Check oil reservoir (24) level.</td>
<td>Top up the oil if it is low.</td>
</tr>
<tr>
<td></td>
<td>Check spark plug (1).</td>
<td>Clean or replace if dirty or worn.</td>
</tr>
<tr>
<td><strong>3T Brushcutter Blade (28) rotates at idle speed.</strong></td>
<td>The Blade is not securely fitted.</td>
<td>Ensure the blade nut is tightened (26).</td>
</tr>
<tr>
<td></td>
<td>The blade only rotates on run down of the motor. i.e 5 seconds.</td>
<td>This is normal but should not continue to rotate under power from the motor at idle.</td>
</tr>
<tr>
<td></td>
<td>At idle the 3T brushcutter blade (28) is rotating under power from the motor.</td>
<td>Immediately turn off the motor and take the product to an authorized Service Agent.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DO NOT continue to use the product.</td>
</tr>
</tbody>
</table>

For other issues not covered in this chart, please call Customer Service on 1800 909 909.
Recycling

Environmental protection

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Specifications

- **Engine:** 31cc, 4 stroke
- **Rated Power:** 0.7KW/6500kw
- **Max. engine speed:** 95 00 min⁻¹
- **Idle speed:** 2800 - 3200 min⁻¹
- **Fuel tank capacity:** 800 mL
- **Fuel:** Unleaded Fuel
  (Do not use fuel that contains ethanol.)
- **Oil Reservoir Capacity:** 60mL
- **Oil:** 4-Stroke Oil
  (SAE 10W/30 is recommended)
- **Spark Plug type:** Torch A5RTC
- **Equivalent Spark Plug type:** NGK CR5HSA, NGK CR5HSB

**Line Trimmer**

- **Cutting diameter:** 420mm
- **Cutting line:** 2.4mm
- **Spool type:** Bump feed, twin line
- **Total length of line:** 2.8m

**Brushcutter**

- **Blade cutting width:** 255mm
- **Blade type:** Tri-Metal, 3T
  255mm Diameter x 25.4mm Bore
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3 YEAR WARRANTY