

 **Operating Instructions for
Petrol Hedge Trimmer**

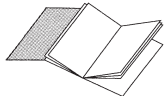


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I.-No.: 01014 **SHT 3400**










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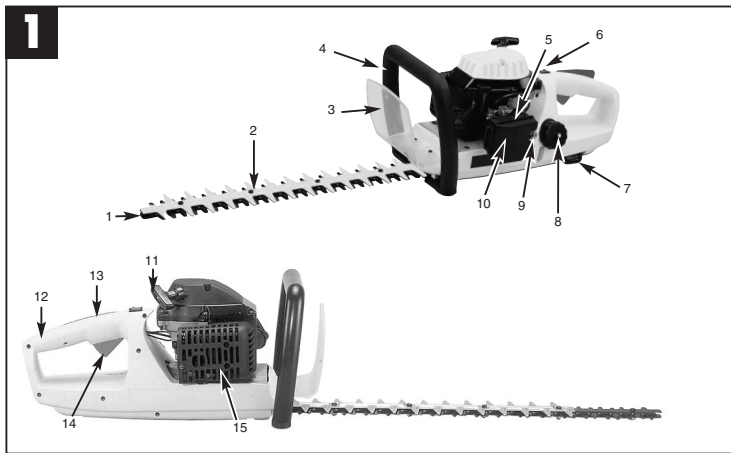


☞ For your own safety, please read these instructions before trying to use your new equipment. Mistakes in following these instructions may lead to serious injury. Before every use, take the time to familiarise yourself with your hedge trimmer.

Safety instructions / Symbols on the Hedge Trimmer

-  Read instructions before using this equipment
-  Wear safety spectacles to protect your eyes
-  Wear ear defenders to protect against high noise levels
-  Wear a dust mask to protect against dust inhalation
-  Wear gloves to protect your hands
-  Wear safety boots to protect against electric shock
-  Do not use when raining

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GB**GENERAL SAFETY INFORMATION**

WARNING! When using petrol powered equipment, the following basic rules must always be followed to minimise the risk of serious physical injury and / or damage to the equipment.

Please read these instructions before using the equipment and take care.

This equipment can be dangerous! The user is responsible for following the instructions and advice for using the machine. Read all the instructions through before you use the equipment!

Ensure that you get to know the components and proper way to use the equipment. Restrict the use of the equipment to those people who have read and understood the instructions and who will follow the advice for its use. Children must not be allowed access to this equipment.

1. **Wear close-fitting, appropriate and tough work clothing** which will offer you protection, e.g. long trousers, safety footwear, tough work gloves, a hard hat, a face guard or safety spectacles for your eyes and good ear defenders or other sound-proofing to protect your hearing.
2. **Keep the equipment in a safe place.** Open the fuel filler cap carefully to release any pressure which may have built up in the tank. To avoid the risk of fire, ensure that you are at least 3 metres (10 feet) from where you filled the tank before you start the machine.
3. **Switch the equipment off** before you put it down.
4. **Always hold the equipment securely with both hands,** with your thumbs and fingers around the handle.
5. **Keep all screws and fastenings done up tightly.** Never use the equipment if they are not sufficiently tightened or not completely and securely fitted.
6. **Keep the handle dry,** clean and free of fuel mixture.
7. **Check the area where you wish to work for loose stones** which could be struck or flung up during use.
8. **Stop the machine and switch off the motor before:**
 - cleaning or removing any obstruction
 - checking, maintaining or working on the machine.
9. **Keep the equipment away from potentially flammable materials,** such as gas fired water heaters, tumble driers or oil fired ovens, portable heaters, etc.
10. **Handling the equipment** should always be restricted to responsible and suitably instructed people.
11. Never allow children to use the machine.
12. Avoid using the equipment when other people, especially children, are in close vicinity.
13. When using the machine, ensure that you are in a secure working position, especially on steps or ladders.
14. Take care with fuel; it is easily flammable. Never refuel a running or hot machine. Do not inhale fuel vapours as these are toxic.
15. Do not try to repair the machine unless you are qualified to do so.
16. Do not use the machine with damaged or excessively worn blades.
17. To reduce the risk of fire, keep the machine and silencer free of trimmings, leaves and spill oil.
18. Adhere to noise limits and use hearing protection.
19. When using the machine, always ensure that all handles and protective components are fitted. Never try to use an incomplete machine or one with unapproved modifications.

20. The hedge trimmer has two handles. Always use both hands to operate it.
21. Always fit the blade protector when transporting or storing the equipment.
22. Always be aware of your environment and watch out for possible dangers which you may be unable to hear over the noise of the machine.

DO NOT

1. **USE ANY OTHER FUEL** than that which is recommended in the instructions. Always follow the instructions in the Fuel and Oil section of this guide. Never use pure petrol, but use the specified petrol-oil mix. Long term damage to the machine will result and the manufacturer's guarantee will be void.
2. **DO NOT SMOKE** when fuelling or working with this equipment.
3. **DO NOT USE THE EQUIPMENT WITHOUT A SILENCER** and without suitably fitted shielding for the silencer.
4. **DO NOT TOUCH** or allow your hands or any other part of your body to come into contact with the silencer. Hold the equipment so that you have your thumbs and fingers around the handles.
5. **DO NOT USE THE EQUIPMENT IN AN UNSUITABLE LOCATION,** without a counterbalance, with outstretched arms, or one-handed. You should always use both hands when working with this equipment so that you can grasp the handles with your thumbs and fingers.
6. **DO NOT PLACE THE BLADE ON THE GROUND** while running. This could result in injury to the user.
7. **DO NOT USE THE EQUIPMENT FOR ANY OTHER PURPOSE** than for trimming hedges and lawns.
8. **DO NOT USE THE EQUIPMENT FOR LONG PERIODS.** Pause for short intervals.
9. **DO NOT USE THE EQUIPMENT WHILE UNDER THE INFLUENCE OF ALCOHOL AND DRUGS.**
10. **DO NOT ADD, REMOVE OR ALTER ANY PART OF THIS EQUIPMENT.** Failure to follow this instruction may cause physical injury and / or damage to the equipment and the manufacturer's guarantee will be void.
11. **DO NOT USE your equipment near or around flammable liquids or gases,** whether indoors or outdoors. This would result in explosion and / or fire

Overview

1. Blade
2. Blade protector
3. Guard
4. Front handle
5. Choke lever (carburettor adjustment)
6. Ignition switch
7. Starting aid bracket
8. Oil tank filler cap
9. Intake primer
10. Air filter cover
11. Starter handle
12. Rear handle
13. Throttle cut-off
14. Throttle
15. Silencer cover

TECHNICAL DATA

| | |
|-----------------------|---------------------------------------|
| Engine Type | Air-cooled, 2-stroke, Chrome cylinder |
| Engine capacity | 24cc |
| Dry Weight | 6.65 Kg |
| Fuel tank | .450ml |
| Blade Length | .55cm |
| Maximum cut thickness | .25mm |
| Ignition | Electronic |
| Noise level | 106 dB(A) |
| Vibration | 3.93 m/s ² |
| Speed | 2500±150 strokes/min |
| Engine power | 0.8 kW |

FUEL AND LUBRICATION

• FUEL

Use unleaded petrol of normal quality, mixed with 40:1, a specific 2-stroke engine oil. Use the mixture ratios detailed in the **Table of Fuel Mixture Ratios** below.

WARNING: Never use pure petrol in your equipment. This would cause long term damage to the machine and the manufacturer's guarantee for this product would be void. Never use a petrol-oil mix that has been stored for more than 90 days

WARNING: If a 2-stroke oil is used, this must be a first class oil which is suitable for air cooled 2-stroke engines, mixed at a ratio of 40:1. Do not use any other 2-stroke oil product with a recommended mixture ratio of 100:1. If insufficient oil is revealed to be the cause of engine damage, the engine manufacturer's guarantee will be void in this case.

• FUEL MIX

Mix the fuel with a 2-stroke oil, in a suitable container. Use the mixing table to achieve the right ratio of fuel to oil. Shake the container to ensure that it is well mixed.

WARNING: The use of the wrong oil will void the manufacturer's guarantee.

• FUEL AND OIL

Fuel and oil mixture 40:1



Fuel and oil mixture 40:1

• TABLE OF FUEL MIXTURE RATIOS

| PETROL | 2-stroke Specific Oil | |
|-----------------------|--------------------------------------|-------------|
| 1 US Gal. | 3.2 oz | 95 ml (cc) |
| 5 litres | 4.3 oz | 125 ml (cc) |
| 1 Imp. Gal. | 4.3 oz | 125 ml (cc) |
| Mixing process | 40 parts petrol to 1 part oil | |
| | 1 ml = 1 cc | |

• RECOMMENDED FUELS

A number of ordinary petrol types are mixed with additives such as alcohol and ether in order to meet air purity regulations. Your Talon machine has been developed to run satisfactorily on any petrol, including these types of petrol.

INSTRUCTIONS

• STARTING WHEN THE ENGINE IS COLD

Fill the fuel tank with an appropriate fuel-oil mixture. See also Fuel and Oil above. Place the machine on the ground and pull out the starting aid bracket.

1. Place the hedge trimmer on a firm and flat surface.
2. Place your left foot on the bracket and stand behind the rear handle of the trimmer. Pull on the starting cord with your right hand.
3. Move the ignition switch to the "Run(I)" position (Fig. 3A).
4. The choke on your hedge trimmer has two positions, CLOSE "[-]" and OPEN "[|]". Move the choke lever (A) to the CLOSE "[-]" position (Fig. 3B).
5. Prepare the carburettor. Pump the intake primer (B) 10 times (Fig. 3C).
6. Hold the handle securely – press the throttle cut-off (C) and the throttle (D) until it locks (Fig. 5E) (Fig. 3D).
7. Pull the starting cord out a little until you meet resistance (about 4") (Fig. 3E). A gentle, rapid tug is required to generate a strong spark. Pull the starting cord quickly four times.
8. Once the engine has started, leave it running for around 10 seconds.
9. Move the choke lever to the OPEN "[|]" position (Fig. 3F).
10. If the engine does not start, repeat steps 1 to 8

NOTE: If engine fails to start after repeated attempts, refer to Troubleshooting section.

NOTE: Always pull the starting cord straight out. If you pull the cord out at an angle, the cord will rub on the connecting eye. This friction will mean that the line will wear out more quickly. Always hold the starting hand grip firmly when pulling the cord. Do not allow the cord to snap back from its pulled out position. This leads to faster wear on the cord and damage to the starting components.



Fig. 3A

Fig. 3B

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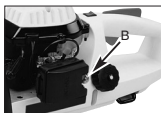


Fig. 3C

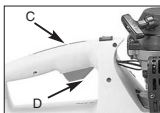


Fig. 3D



Fig. 3E



Fig. 3F

STOPPING THE ENGINE

Emergency Stop Process. If it is necessary to stop the machine, press the STOP button.

Normal Stop Process. For normal use, release the throttle and allow the machine to return to tickover speed. Then PRESS the "Off" button and HOLD the machine until it has come to a halt.

STARTING WHEN THE ENGINE IS WARM
(The machine has been stopped for no more than 15 – 20 minutes)

1. Pull the starting cord out again. The engine should start after ONE or TWO pulls. If the engine still does not start after 6 pulls, repeat steps 2 to 8 above.
2. If the engine does not start after 5 pulls, or starts and then stops, follow the steps for "Starting when the engine is cold".

TRIMMING INSTRUCTIONS

ADDITIONAL SAFETY PRECAUTIONS

Before starting work with this equipment, take a look at all the SAFETY PRECAUTIONS in these instructions

WARNING / CAUTION

- IF YOU ARE NOT FAMILIAR WITH TRIMMING TECHNIQUES, try it out with the machine turned "OFF".
- ENSURE THAT YOUR WORK AREA IS CLEAR of any items such as cans, bottles, stones, etc. Items struck with the trimmer can cause serious injury to the user or bystanders and damage the equipment. If an item is unintentionally struck, switch the MACHINE OFF IMMEDIATELY and check the equipment. Never work with damaged or broken equipment.
- ALWAYS TRIM OR CUT WITH THE ENGINE RUNNING AT HIGH SPEED. Do not allow the engine to run slowly while starting or trimming.
- DO NOT USE the equipment for any purpose other than trimming and weeding.
- DO NOT USE THE EQUIPMENT if other people or animals are nearby. Maintain a minimum distance of 50 feet (15 metres) between the user and other people and animals during trimming or weeding. Allow a distance of 100 feet (30 metres) between the user and other people and animals when cutting grass with the blade

1. **WORK AREA.** Ensure that you always have a good grip and balance and do not overstrain yourself. When using the trimmer, wear safety spectacles, non-slip footwear and protective work gloves. Hold the machine firmly in both hands and then switch the trimmer ON. Always hold the trimmer as shown in the pictures, with one hand on the front handle and one on the rear handle. Never hold the trimmer by the blade guard.

2. **TRIMMING DENSE GROWTH.** The most effective method is to use a broad movement, cutting through the vegetation, moving the blades directly through the stems. Slightly inclining the blade downwards in the direction of movement gives the best cut. (Fig. 4A)



3. **TRIMMING HEDGE TOPS.** To achieve the best and most perfect result, a string can be run along the length of the hedge as a guide.

CAUTION: Do not use the trimmer to cut branches thicker than 25 mm. Only use the trimmer to cut shrubs found around the house and buildings.



4. **TRIMMING HEDGE SIDES.** Hold the trimmer as shown in Fig. 4B and start to run it up the hedge from bottom to top.

MAINTENANCE

Always switch the trimmer off. Ensure that your trimmer is always well lubricated.

1. The blade is made of high quality, hardened steel and with normal use it should not be necessary to sharpen the blades. However, if you do strike barbed wire, stone, glass or any other hard object, this could cause a nick in the blade. It is not essential to remove the nick, provided that this does not affect the function of the blade. If it appears to be affecting the movement, turn the machine off and use a fine file or a fine grinding stone to remove the notch.
2. If you drop the trimmer, check whether any damage has been caused. If the blade is bent or the casing or handles are broken, or if you notice anything else which could affect the operation of the trimmer, contact an authorised customer service centre to get it repaired before you use it again.
3. Fertilisers and other garden chemical products contain substances which significantly accelerate metal corrosion. Do not store the machine on or near to fertilisers or other chemicals.
4. With the machine switched off, please use only mild soap and a damp cloth to clean it. Never allow liquid to penetrate into the machine; never immerse any part of the machine in liquid.

- **OILING THE BLADE**

WARNING: Before you start to oil the blade, ensure that the machine is switched off and has come to a complete stop.

To ensure easy operation and longer blade life, oil the blade before and after every use. Use a light engine oil along the points of the blade. (Fig. 5).



- **AIR FILTER**

CAUTION: NEVER use the machine without the air filter fitted, or dust and dirt will be sucked into the engine and will cause damage.

- **Cleaning the air filter**

1. Press button (A) and hold the cover in position, remove the cover (B) and air filter (C) from the air filter housing (Fig. 6).

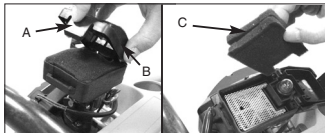


Fig. 6

2. Wash the filter with soap and water. DO NOT USE PETROL!
3. Allow the filter to air dry.
4. Reassemble the filter.

Note: Replace the filter if it is worn out, greasy, damaged or cannot be repaired.

- **SETTING THE CARBURETOR**

The carburettor is set up for the best performance by the manufacturer. If further adjustments are necessary, take your machine to your nearest customer service centre.

- **SPARK PLUGS**

1. Spark plug spark gap = 0.025 inches (0.635 mm) (Fig. 7)
2. Torque to 12 to 15 Nm.
Fit the spark plug cover.

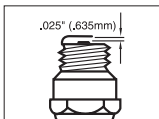


Fig. 7



Fig. 8

- **STORING THE MACHINE**

WARNING: Errors in following these instructions may cause a crust to form on the inside of the carburettor which may lead to starting difficulties or long term damage in storage.

1. Carry out the general maintenance work detailed in the Maintenance section of these instructions.
2. Clean the outer casing of the machine.
3. Drain the fuel from the tank.
4. Once the fuel has drained out, start the engine.
5. Leave the engine ticking over until it stops on its own. This draws all the fuel out of the carburettor.
6. Leave the machine to cool down (approx. 5 minutes).
7. Using a spark plug spanner, remove the spark plug.
8. Pour a teaspoon of 2-stroke oil into the combustion chamber (Fig. 9). Carefully pull the starting cord slowly out a few times to lubricate the internal components. Replace the spark plug.
9. Keep the machine in a cool, dry place, away from any sources of ignition such as oil heaters or boilers, etc.

- **STARTING AFTER STORAGE**

1. Remove the spark plug.
2. Pull the starting cord out quickly to expel any oil residue from the combustion chamber.
3. Clean the spark plug electrodes or fit a spark plug with new spark electrodes.
4. Prepare the machine for use.
5. Fill the tank with an appropriate fuel-oil mix. See also the Fuel and Oil section above.

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| ENGINE TROUBLESHOOTING | | |
|---|--------------------------------------|--|
| PROBLEM | POSSIBLE CAUSE | CORRECTION |
| The engine does not start, or it starts but does not run. | Incorrect starting procedure | Follow the instructions in this guide. |
| | Incorrectly set carburettor mixture | Have the carburettor set up by an authorised customer services centre. |
| | Sooty spark plug | Clean and replace or renew spark plug |
| The engine starts, but does not produce full power | Blocked fuel filter | Replace the fuel filter |
| | Incorrect positioning of choke lever | Set the lever to OPEN |
| | Dirty spark plug guard | Replace the spark plug guard |
| | Dirty air filter | Remove, clean and replace the air filter |
| | Incorrectly set carburettor mixture | Have the carburettor set up by an authorised customer services centre. |
| Engine misses | Incorrectly set carburettor mixture | Have the carburettor set up by an authorised customer services centre. |
| No power under load | Incorrectly set spark plug | Clean and replace or renew spark plug. |
| Engine runs erratically | | Excessive smoke. |
| Excessive smoke | Incorrectly set carburettor mixture | Have the carburettor set up by an authorised customer services centre. |
| | Incorrect fuel mixture | Use the right fuel mixture (40:1 ratio) |

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Konformitätserklärung



- (D)** erklårt folgende Konformität gemäß EU-Richtlinie und Normen für Artikel
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- (P)** declara a seguinte conformidade de acordo com a directiva CE e normas para o artigo
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- (H)** a következő konformitást jelenti ki a termékerek vonatkozó EU-irányvonalak és normák szerint
- (SLO)** pojasnjuje sledečo skladnost po smernici EU in normah za artikel.
- (PL)** deklaruje zgodność wymienionego ponizej artykułu z następującymi normami na podstawie dyrektywy WE.
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- (BG)** декларира следното съответствие съгласно директивите и нормите на ЕС за продукта.

Gas Hedge Trimmer SHT 3400

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Landau/Isar, den 09.11.2004

Brunhözl

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Leiter Produkt-Management

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Sovereign Customer Helpline 0044 (0) 151 649 1500

Contact for Warranty repairs: HSS plc Tel: 0845 728 2828

© WARRANTY CERTIFICATE

The product described in these instructions comes with a 2 year warranty covering defects. This 2-year warranty period begins with the passing of risk or when the customer receives the product. Please retain receipt as proof of purchase.

For warranty claims to be accepted, the product has to receive the correct maintenance and be put to the proper use as described in the operating instructions.

Your statutory rights of warranty are naturally unaffected during these 2 years.

This warranty applies in Germany, or in the respective country of the manufacturer's main regional sales partner, as a supplement to local regulations. Please note the details for contacting the customer service center responsible for your region or the service address listed below.

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© Technical specifications subject to change

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