



24308/24309

T-Mech Wood Chipper



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Specification

Product Description

Thank you for purchasing the T-Mech Wood Chipper, which is ideal for professional gardeners and landscapers, and avid amateur gardeners who wish to clear that frustrating garden waste.

Whether you purchased the 6.5HP 196cc engine Chipper, or the more powerful 15HP 420cc engine Chipper, both are assured to make light work of excess twigs, leaves, branches and brush. Both our Wood Chippers offer ample cutting capacity and an incredible 2400-3600rpm blade speed to maximise efficiency when chipping. With minimal assembly, you'll be up and running with your Wood Chipper in no time.

Both products also come with a tool kit for assembly and maintenance thereafter, and Personal Protection Equipment which should be worn at all times when operating the machine.

We at Monster Group UK understand this is a new and exciting purchase, and although it is tempting to get stuck in please carefully read these instructions before you start using the machine.

NOTE: The T-Mech Wood Chipper is designed to be used by a competent person who has received instruction on how to operate this machine. Do not allow the machine to be operated by anybody who has not received correct operation instruction. It is required that you operate this machine in the presence of another who can, if necessary, switch off the machine in case of entanglement. This is a very powerful machine when in operation. Extreme caution is advised to ensure no children, pets, or inexperienced users are in the vicinity of the machine during operating.

Please refer to and read Safety Advice, Safe Working Practice to ensure prevention of injury or damage to the device before starting.

Specification

Item Contents

1 x 6.5HP or 15HP Chipper comprising;

- Body
- 2 x wheels
- Wheel Bracket
- Discharge Guard
- Funnel
- Handle
- Leg Bracket

1 x Assembly Tool Kit

1 x Personal Protection Equipment (PPE) Ear Muffs

1 x Decanting Jug for Petrol/Oil

Technical Information

	6.5 HP Chipper	15HP Chipper
Engine	4 stroke, 196cc	4 stroke, 420cc
Engine Brand	Ducar	Ducar
Fuel Type	Unleaded Petrol	Unleaded Petrol
Fuel Volume	3.6 Litre	6.5 Litre
Oil Type	10w-30 non-synthetic Engine Oil	10w-30 non-synthetic Engine Oil
Oil Volume	0.6 Litre	1.1 Litre
Start-up Type	Starter Recoil	Starter Recoil
Cutting Capacity	76mm	102mm
Blade Speed	2400rpm	2400rpm (max. output 3600rpm)

Specification

Product Specifics

	6.5HP Chipper	15HP Chipper
Height	88cm	88cm
Depth	134cm	134cm
Width	64cm	64cm
Weight	75KG	95KG

Monster Guarantee

If you wish to return a product in perfect working order, we provide a 30 day returns policy as long as the item is unopened and in a resalable condition.

A 12 month warranty applies to all of our electrical products; we will cover the cost of labour and parts. Our policy is to try and repair the item before arranging an exchange or refund.

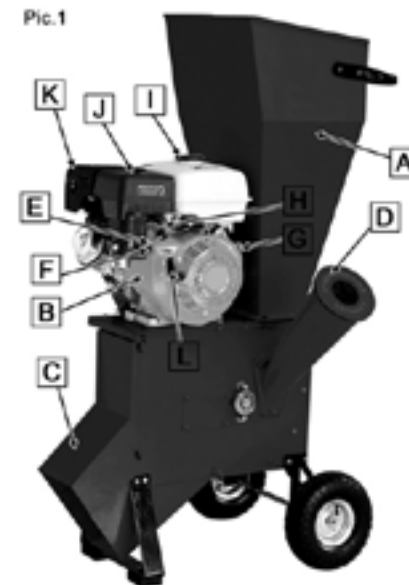
If for any reason a part is missing please get in touch with us within 7 days on receipt of your order. You can contact our friendly and helpful Customer Support Team via email or call. For full terms and conditions contact our Support Department via the details on the Contact Us page.

Monster Group UK Limited's liability will be limited to the commercial value of the product only.

Specification

Product Features

- A) Hopper: for general shredding/chipping
- B) Engine
- C) Discharge Chute: where the chipped wood will be dispensed
- D) Chipper Funnel: for long, thin branches
- E) Choke: for start-up
- F) Fuel Cock / 'Petcock': to stop the flow of fuel
- G) ON/OFF switch
- H) Throttle: for blade speed
- I) Fuel Tank Cap
- J) Air Filter: to deliver maximum performance
- K) Exhaust
- L) Starter Cord: for start-up



Safety Advice

Safe Working Practice

Please read through the safe working practice to ensure prevention of injury or damage to the device.

The minimum age for users of this machine is 16 years of age. Users below this age should not under any circumstance be allowed to operate the Wood Chipper, even if accompanied by a trained adult.

As a rule, the machine should never intake anything other than thin branches, twigs, vines, and long grass. Take extra care not to feed the machine with any of the following; bricks, stones, string, cloth or textiles, plastic, metal, glass, roots, or bedding plants. For best practice, do not place muddy or dirty wood into the machine either, nor wet leaves or wet foliage.

The machine is capable of dealing with wood up to the diameters set out in the Technical Information section of this manual, but for optimum performance, it is recommended to use wood no thicker than 70mm in diameter.

Awkwardly-shaped and/or longer pieces of timber that extend past this mark should instead be chopped, cut, and trimmed down before being placed into the machine.

Some form of protective gloves should always be worn when handling blades. In extension, due to the nature of heavy handling and the handling of wood, heavy duty gloves are recommended.

Do not touch the wiring when the machine is running.



Safety Advice

Safe Working Practice

If the wood chippings are not exiting the machine, but the machine is still taking in fed timber, switch off the machine immediately, allow to cool and inspect the machine.

Be wary that the machine can, from time to time, eject wood chippings and excess debris from the Discharge Chute with great force.

You should always check for fluid leaks before and after each use.

Do not smoke or have naked flames near or next to the machine.

To avoid fire, switch off the machine immediately if you notice a burning smell or see smoke. If petrol has been spilled, do not attempt to start the engine. Move the machine away from the spillage area, allow the fumes to dissipate and clean up if possible. If a fire arises, do not tackle individually. Navigate to safety and contact Emergency Services.

Do not operate around gas or dust.

Do not operate the machine in low light or in poor weather conditions. If you are working close to a road, ensure you wear High-Visibility workwear and operate the machine on the side furthest away from the road.

The machine is heavy duty and safe lifting practices should be met at all times. This includes a two-man-lift operation, or using lifting equipment if possible.

When transporting the machine from one place to another in a vehicle, ensure it is as securely held as possible, and is unable to roll or rock, which reduces risk of injury, accident, and damage to the machine itself.



Safety Advice

Safe Working Practice

Safety boots should be worn to ensure grip and avoid risk of falling on or into the machine.

Always ensure no persons, children, or animals are within 10 metres from the machine during operation.

Never leave the machine unattended when it is in operation.

Ensure the OFF element of the ON/OFF switch is functional before each use.

Under no circumstance should you reach into either the Chipper Funnel or the Hopper/Chute, nor should you handle material that is partially in the machine. Always release the material before it engages the rotor. As mentioned before, the material will be quickly drawn into the machine.

Ensure the safety guards are secure before every use.

It is required that you operate this machine in the presence of another who can, if necessary, switch off the machine in case of entanglement.

Take extra attention to tie up hair, wear heavy duty clothing, do not wear jewellery, and wear the Personal Protective Equipment provided at all times. Wear a face mask if necessary.

Do not operate this machine when under the influence of drugs, alcohol, or medication.

Operate the machine in well-ventilated areas to reduce the risk of harm from exhaust fumes.

Never operate the machine indoors.



User Guide

Assembly Instructions

WARNING: Do not attempt to turn the machine on before any assembly has taken place. Do not add petrol/oil prior to assembly. Two persons must assemble this machine.

NOTE: All bolts are shipped loosely connected to the Wood Chipper. To assemble, simply unscrew, attach the item, and re-screw using the spanner provided. Take note of the washers and the order in which they should be tightened.

1) To begin assembly, lean the Wood Chipper over to expose the wheel joints located at the rear.

2) The Wheel Bracket is attached by two bolts on either side, as in **Picture 2**. Unscrew the four bolts and ensure the Wheel Bracket lines up on either side before re-inserting the bolts. Ensure bolts are tight before continuing. Use the axle to connect the wheels and use bolts to tighten.

3) The Leg Bracket is also attached by two Leg Bolts on either side. As in Step 2, unscrew these bolts, line up the Legs Bracket and re-insert Leg Bolts, tightening firmly.



4) Attach the Discharge Guard by loosening the Butterfly Nuts and slotting into place, covering the discharge chute. Align with two lower bolts and tighten, then tighten the two Butterfly Nuts.

User Guide

Assembly Instructions

5) The Handle for the Hopper is attached by four Bolts, two on either side. Line up the holes again prior to tightening. Secure using two bolts on either side. See Picture 5.



6) The Chipper Funnel sits to the side of the machine. To attach, first place the Funnel into the marked studs and ensure the Funnel is aligned at the correct angle. Use the Washers and Lock Nuts provided to tighten.



7) Finally, check that all bolts and nuts are tightened with a spanner and the Wood Chipper stands firmly.

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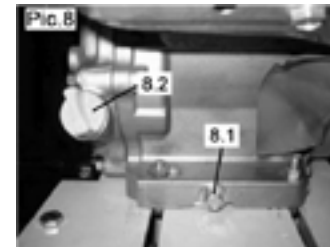
Before First Use

CAUTION: This Wood Chipper is not supplied with oil or fuel. To attempt to operate the machine without using oil or fuel could damage the engine irreparably.

Adding Oil:

NOTE: Both the 6.5HP and 15HP Wood Chipper require the same oil; this is 10w-30 non-synthetic engine oil only. Using different oil could damage the machine irreparably and will void your warranty.

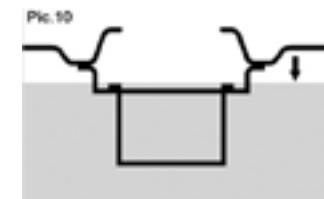
- 1) Ensure the machine is placed on a flat surface.
- 2) Remove the Oil Filler Cap, as shown in Picture 8, figure 8.1.
- 3) Carefully add the Oil up to the upper level of the Dipstick. See Picture 9, figure 9.1.



Adding Fuel:

NOTE: Again, both the 6.5HP and 15HP Wood Chipper are powered by a four-stroke engine, which requires unleaded petrol.

- 1) Remove the Fuel Tank Cap and use a suitable funnel to transfer the unleaded petrol from the container to the Fuel Tank.
- 2) Take extra precaution when filling to ensure the Fuel Tank does not exceed the limit seen in Picture 10.



User Guide

Operation Instructions

WARNING: It should again be stressed that this machine must be operated by a competent person only. Under no circumstance should you allow a person to operate this machine without having read and fully understood the instruction manual and safety precautions set out in this manual, and without having had proper training in and education on how to operate this machine.

NOTE: As stated in the Safety Guide, this Wood Chipper is intended for eliminating garden waste and pruning gardens in general. This is limited to branches, twigs, vines, and long grass. DO NOT use the Wood Chipper for chipping construction debris, plastic, paper products, rope, twine, or any material that contains metal. You should also be wary when placing roots into the machine that no nails, rope, twine, plastic, or rocks are embedded into the roots.

Before beginning the start-up process for this machine, the following pre-checks should be completed.

- 1) Carefully wheel the Wood Chipper to a suitable location. This should be outdoors, on a flat, dry ground. The machine should not be operated when the floor is muddy or wet.
- 2) Perform final checks for the fuel and oil before starting the engine.
- 3) Place the Vacuum Bag over the Chute and secure it firmly after ensuring the Chute and Chipper Funnel are both empty.
- 4) Ensure that all persons not operating the machine, children, and pets/ animals are not within 10 metres of the machine. If children or pets are about, ensure they are supervised by a responsible adult.
- 5) Remember to wear Personal Protective Equipment: gloves, ear muffs, and goggles.

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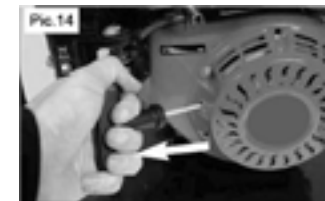
Operation Instructions

Turning on the Wood Chipper;

- 1) Turn the Throttle Lever to High and Fuel Lever to the ON position, as seen in Picture 11.
- 2) Set the Choke Lever to the ON position, as seen in Picture 12.



- 3) Turn the Engine ON/OFF switch to the ON position, as seen in Picture 13.
- 4) Engage the Starter Cord, pulling until resistance is felt. Once resistance is felt, pull quickly to start the engine, as seen in Picture 14.



- 5) When the engine has started, return the Choke Lever to the OFF position, as seen in Picture 15.
- 6) When running, the engine's speed can be adjusted by moving the Throttle Control Lever to High or Low. Low is signified by a tortoise, High is signified by a Hare. See Picture 16.



User Guide

Operation Instructions

NOTE: If the machine should start to make an unusual noise, stop the machine immediately, allow the engine to cool, and inspect thoroughly.

Turning off the Wood Chipper;

- 1) To stop the engine, turn the Engine ON/OFF switch to the OFF position, as in **Picture 17**.
- 2) When the engine has stopped fully, turn the Fuel Lever to the OFF position also, as seen in **Picture 18**.



Shredding branches, twigs, and leaves;

- 1) Gather the brush, twigs, or leaves and slowly place them into the Hopper.
- 2) Do not attempt to force the materials in. The machine is designed to quickly and safely take the branches from you.
- 3) If necessary, use a thick branch to push materials into the Hopper/Chute, as seen in **Picture 19**. Do not place your hands in the Hopper/Chute.



User Guide

Operation Instructions

Useful Hints and Tips when Shredding;

- 1) Feed the materials into the Wood Chipper slowly. If the motor begins to bog down or slows, you are feeding it too quickly.
- 2) As a general rule, roots and dirty material will eventually dull and damage the blades.
- 3) Remove the chippings often. Failure to do so could result in clogging.
- 4) It is advised to avoid shredding wet leaves and grass. This can often clog up the machine, which takes time and effort to remove. If it is essential you must shred wet materials, try to alternate shredding wet and dry materials.

Chipping branches;

- 1) Stand to the side of the Hopper, ensuring you have good footing.
- 2) When placing long branches into the Chipper Funnel, remove twigs and smaller branches so that you are feeding a thin, straight piece into the machine.
- 3) Place branches 'thick-end-first'. Allow the machine's blades to take the branch from you. You will feel the blades pull the branch from you. See **Picture 20**.



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Operation Instructions

Useful Hints and Tips when Chipping;

1) You will see on the Chipper Funnel the maximum diameter to which you can insert branches (76mm for the 6.5HP Wood Chipper, 102mm for the 15HP Wood Chipper). For your own safety, and for the longevity and performance capabilities of the machine, this should be strictly and carefully adhered to. As advised previously, where possible use branches and wood less than 70mm in diameter for best results.

2) Chipping wood that is still green is easier for the machine's blades; they will stay sharper for longer.

3) Over time, the blades will lose their sharpness and performance may be affected. Repair, sharpen, or replace the blades at this time. See

Maintenance Instructions for more information on how to undertake this.

NOTE: When you are not actively shredding or chipping, move the Throttle Lever to the lowest possible setting. If you are moving away from the machine, and the machine is to become unsupervised, the machine must be switched off.

If you intend on **moving the Wood Chipper, emptying the Vacuum Bag, unclogging the machine, refuelling on petrol or oil, or performing maintenance and repairs, YOU MUST** turn off the machine entirely, allow all moving parts and current chipping to stop, then disconnect the spark plug.

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Maintenance

Visual Inspection:

Before and after every use of the Wood Chipper, it is recommended that the following inspection process take place. This is quick and easy, and ensures your safety as well as the machine's performance.

- 1) Check the Hopper, Chute, Funnel and guards for cracks, holes, and loose bolts.
- 2) Check the frame and base of the machine for cracks or damage.
- 3) Check all bolts and screws to ensure tightness.
- 4) Wearing gloves, check the blades are not cracked or loose.
- 5) Check the engine oil level using a dipstick.

Cleaning:

It is strongly recommended to clean the machine after every use. After use, turn off the machine, allow the engine to cool fully, and remove the spark plug.

- 1) Brush off or vacuum excess wood chippings and wipe the remaining dust from the exterior of the machine with a dry cloth. **Do not expose the machine to water or attempt to clean by pouring water on/into it.** It is advised to use a protective mask during this process.
- 2) Remove excess chippings and debris from the Hopper/Chute and the Discharge Chute to minimise clogging.
- 3) To clean the engine from built-up resins, you may need to purchase an engine cleaner. These are available at most auto-parts stores or online.

NOTE: It is increasingly difficult to clean this machine the longer you let it sit unclean. The machine's performance will naturally decrease if it is not properly cared for.

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Maintenance

Engine-specific Maintenance:

Spark Plug;

From time to time, the spark plug will need to be removed. On average, this is around after every 50 hours of running the machine. We recommend tracking your usage of the machine, if necessary.

- 1) Once removed, check the colour of the end of the spark plug. If the deposits are a tan, brown colour, the spark plug requires attention. Use a brass wire brush to remove the tan deposits.
- 2) Check the spark plug gap, as seen in **Picture 21**. Adjust the gap if necessary. The gap should be between 0.7 and 0.8mm.



Engine Oil Replacement;

The oil should be replaced after approximately 68 hours of use. It is recommended you maintain an estimate of this by tracking your usage of the machine.

- 1) As per normal start-up, ensure the machine is on a flat, dry surface and follow the previous instructions to start-up. Allow the engine to warm for several minutes before turning off the engine.
- 2) Remove the Oil Filler Cap from **Picture 8**.

User Guide

Maintenance

- 3) Place an oil pan under the engine to catch the oil. Remove the Oil Drain Plug (also displayed in **Picture 8**) in order to drain the oil fully. A tube or similar device is recommended to avoid spilling the oil.
- 4) Check the Oil Drain Plug, Gasket, and Oil Filler Cap to ensure each item is not damaged.
- 5) Add fresh engine oil up to the upper level of the dipstick, seen previously in **Picture 9**.

Air Filter;

After approximately 100 hours of use, or every month (whichever is sooner), the Air Filter should be removed and cleaned thoroughly. The Air Filter is displayed in **Picture 22**. During this cleaning process, the Air Filter should also be thoroughly inspected for damage and deterioration. We recommend a water-based degreasing agent. Allow to dry fully before replacing the Air Filter.

NOTE: Never attempt to run the machine without an Air Filter inserted.

Fuel Tank Filter;

After approximately 150 hours of use, or every 3 months (whichever is sooner), the Fuel Tank Filter should be removed and cleaned thoroughly. The Fuel Tank Filter is displayed in **Picture 23**. As with cleaning the Air Filter, we recommend cleaning the Fuel Tank Filter with water-based degreasing agent.



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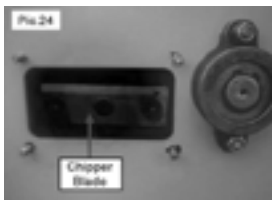
Replacing the Blades;

When you feel the Wood Chipper's performance deteriorates, this is mostly likely due to the sharpness of the blades. If you feel the blades need to be sharpened, or if you notice visible dents, chips, or cracks, you may want to repair or replace them.

To do so, please follow these steps;

WARNING: As already stressed, it is imperative turn off the machine entirely, allow all moving parts and current chipping to stop, then disconnecting the spark plug wire before undergoing repair and maintenance, especially when concerning the blades.

- 1) Remove the Side Cover Plate to expose the blades, as seen in Picture 24.
- 2) Remove one blade at a time. Once removed, rotate the propeller, and remove another. Proceed this way until all blades are removed.
- 3) With the blades now detached, you can either (a) organise a professional to sharpen the blades for you, or (b) purchase a replacement set of blades that fit this machine and re-install yourself. If you opt to have the blades professionally sharpened, you can find stores and individuals who are able to do this online.
- 4) Remember to replace the Side Cover Plate and re-attach the spark plug wire after replacing/repairing.



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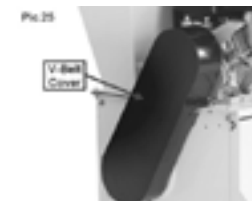
Replacing the V-Belt;

If ever you notice that the motor is running as normal and yet the blades are not spinning, this is probably due to problems with the V-Belt. Over time, it can become frayed or loosen. If this occurs, you will need to replace it with a new one.

WARNING: As already stressed, it is imperative turn off the machine entirely, allow all moving parts and current chipping to stop, then disconnecting the spark plug wire before undergoing repair and maintenance.

To replace the V-Belt, simply follow these steps;

- 1) Remove the V-Belt Cover, as shown in Picture 25.
- 2) Roll the belt off from the pulley cogs and discard.
- 3) Install a new belt by rolling it onto the pulley cogs.
- 4) Replace the V-Belt Cover and re-attach the spark plug wire.



Troubleshooting

Resolution Guide

Please read through the guide below if you have any issues or faults with your device. The information covers and resolves the majority of frequently asked questions.

What do I do if...

Q: ...there are parts missing from my order?

A: If there appears to be any part missing from your order, contact our friendly and helpful Customer Support team via the details on the Contact Us page within 7 days of receipt.

Q: ...the engine will not start?

A: This could be due to a multitude of reasons, such as; the control levers are not in their correct starting positions; the spark plug wire is not connected to the spark plug; old or stale gas; a dirty Air Filter; or low engine or oil fluid. To resolve, try; ensuring the ON/OFF switch is ON, the Fuel Shut-Off valve is open, the Choke is ON, and the Throttle is turned towards the Hare; connecting the spark plug wire; for gas problems, try filling the tank if empty, or draining the gas and replacing if old; cleaning the Air Filter; checking the oil, and that the correct oil has been used. If the issue still persists, contact our Customer Support team.

Q: ...the machine is struggling with the materials I want to shred/chip?

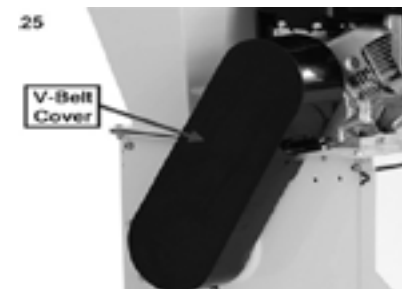
A: Re-read the Useful Hints and Tips section. Ensure you haven't placed improper materials into the machine, and that you haven't clogged the machine with wet leaves and dewy grass. Or try using smaller branches to chip, and sawing the larger branches into smaller ones, ready for chipping.

Troubleshooting

Resolution Guide

Q: ...the drive belt appears locked and will not start?

A: Clippings and other debris may have got into the grooves at the bottom of the drive belt cover. (See below) This leads to tightening of the belt which won't allow it to go round. Switch off the machine and remove the spark plug. Remove the V Belt Cover and clean it before replacing.



For all other issues, please contact our Customer Support department via the details on the Contact Us page.

Contact Us

Sales Department

For information regarding this device or other products from our Monster divisions please use the following details below.

Tel: 01347 878888

Email: hello@monstershop.co.uk

Support Department

For queries about this device, warranty, returns or reporting faults please use the following details below.

Tel: 01347 878887

Email: help@monstershop.co.uk

Website

To view our product range and fantastic offers in the Monster Chef division please visit our website

www.monstershop.co.uk

Address

To visit our office Monster House and view our products, send postal correspondence or return items our address is provided below.

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