



23780

7HP Petrol Tiller



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Specification

Product Description

This heavy duty and easy to use 4-stroke petrol tiller has a 7HP engine. The reversing, forward and neutral gear, make this tiller easy to handle when changing direction, and will get the job done!

The adjustable depth regulator allows shallow and deep tilling of 175mm-350mm, and a cultivating width of 900mm. This tiller is the perfect tool for cultivating allotment plots, pre-planting ground preparation and many other tasks during the gardening season.

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.

Please Note: The T-Mech 7HP Petrol Tiller is designed to be used by a competent person. It should not be used or stored in direct sunlight, warm environments, wet or damp conditions.

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

Product Specifics

Engine:

4 Stroke

Max Output: 5.2kW (7HP)

Rate Speed: 3600r/min

Fuel: Unleaded petrol

Oil: SAE15W-40 oil

Fuel Tank: 3.5L

Oil Tank: 0.6L

Tiller:

Dimensions: 1450mm x 900mm x 930mm

Weight: 55kg

Tilling Depth: 175-350mm

Tilling Width: 900mm

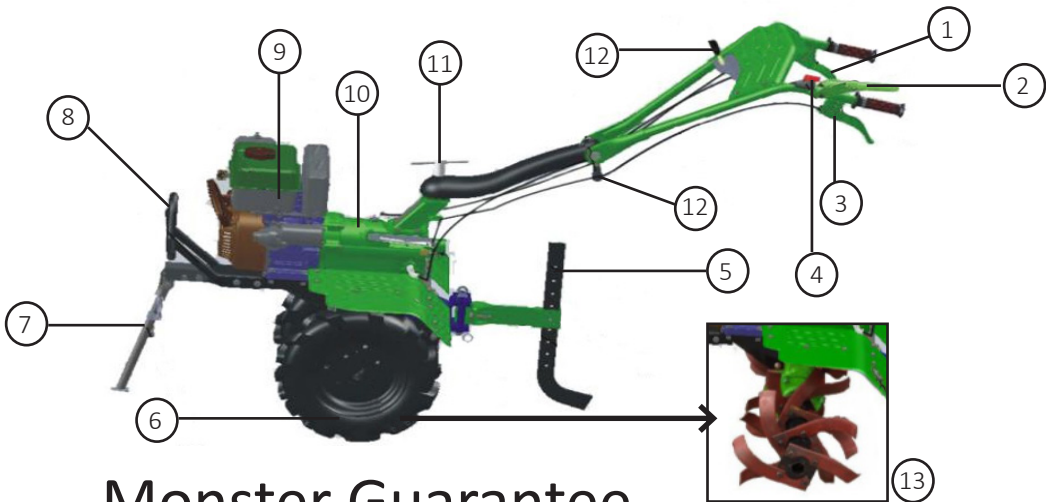
Working Speed: 0.1~0.3m/s

Fuel Consumption: ≤395g/kW-h

Specification

Product Features

1. Reversing handle
2. Emergency stop
3. Clutch
4. On/Off switch
5. Speed regulation bar
6. Wheels
7. Support bar
8. Bumper
9. Engine
10. Gear box
11. Arm rest adjustment bar
12. Shift
13. Tines



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.

Safety Advice



Safe Working Practice

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

Make sure you are wearing sturdy footwear, heavy duty gloves, eye and ear protection. Loose clothing, long hair and jewellery need to be tucked away as they could get caught in moving parts and cause injury.

Do not operate the tiller if you are tired, ill or under the influence of alcohol or drugs.

Petrol is very flammable. Do not use or fuel the tiller anywhere near a flame, sparks or while smoking. Allow the engine to cool before re-fuelling.

Ensure caution when handling fuel. We recommend you fuel the machine at least 3m away from your work area in case any spilt fuel ignites when starting the engine.

Fuel the machine only once you are happy the machine has been completely assembled

Unscrew the fuel cap, and fuel the machine to 80% capacity. Fasten the fuel cap tightly avoiding any cross threading and wipe up any spillages. Make sure the tiller is in a horizontal position when fuelling.

Check that you have filled the tanks with the correct petrol and oil. Never attempt to run this engine using anything other than unleaded petrol.

Carefully inspect the area to be tilled, remove all debris and remove hard or sharp objects such as glass, wire and large stones.

Be aware of the risk of injury to yourself and possible bystanders. Any bystanders, children or pets should be at least 15 meters away as stones and other objects may be thrown up and cause injury.

Inspect the tiller, and in particular the tines, before and after use, for any worn or damaged parts or loose nuts and bolts. Do not use until the parts are re-tightened, repaired or replaced.

When starting the machine, set the shift to the neutral position.

Do not walk away and leave the engine running.

Never lay the hot tiller down on dry grass or any combustible material where there is a risk of fire from the hot engine. Always shut off the engine before setting it down.

Only use the tiller in good light and visibility. Do not use on frozen ground.

The tiller should not be operated on a steep hill.

Safety Advice



Safe Working Practice

If the tiller is not going to be used for long periods, drain the mixture from the fuel tank, start the engine and drain the carburetor of any remaining fuel. You will also need to turn off the engine, separate the output shaft, take off any additional devices, put the shift into the neutral position. It should be stored indoors and away from flammable substances.

Please take care on slippery/wet ground.

If the tines become locked, please stop the engine. Clean off the debris and start again.

Use only outdoors. The tiller needs ventilation – the emissions contain carbon monoxide.

Do not overwork the machine.

Maintain proper control of the machine at all times, distractions may cause damage to the machine and/or injury to the user.

Do not transport the machine when it is on.

Never touch the tines when the engine is running, or when accelerating.

Engine should be turned off, cool, and spark plug wire must be removed from spark plug before any repairs are attempted.

Avoid getting soil into eyes- wash immediately with plenty of water and seek medical attention.

Keep the tiller clean to prolong working life.

After turning off the machine, keep your hands away from the tines as they still might be turning after switching off the machine.

Engine should be turned off and cool before you touch any parts of the tiller. Parts of the tiller get extremely hot during operation, and they remain hot for a short time after the unit is turned off.

If there is abnormal shaking, please turn off the engine. Abnormal shaking can be a forewarning of machine failure.

Be careful when reversing the machine.

When working on hard soil, the tines may push the tiller forward. Please release your hands and re-start.

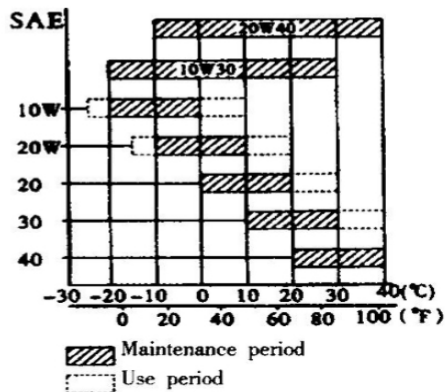
By manipulating the handles you can control the depth and speed of the tiller. You do not need to pull the tiller back or push it forwards.

User Guide

First Fuelling

The engine will need to be filled with oil.

1. Use unleaded petrol for the fuel tank.
2. Use SAE15W-40 oil for the oil tank. SAE15W-40 is recommended for general use. Other viscosities shown in the chart may be used when the average temperature in your area is within the indicated range.
3. Add in a well ventilated place.
4. Do not add too much oil or unleaded petrol. The petrol should not exceed the neck of its filling port. If any oil or petrol spills, wait until the fuel is removed or volatilizes completely and then restart the engine. Use the dipstick to ensure you have the correct level of oil.



Oil:

1. When checking the oil level, remove the oil filler cap and wipe clean the dipstick.
2. Insert the dipstick into the oil filler neck, but do not screw in.
3. If the oil level is low, fill to between the top and bottom limitations of the oil dipstick.

User Guide

Assembly Instructions

1. Mount the wheels at the end of the hexagonal output shaft on the tiller. Attach the wheels using 2 x M8x55 bolts and M8 nuts.

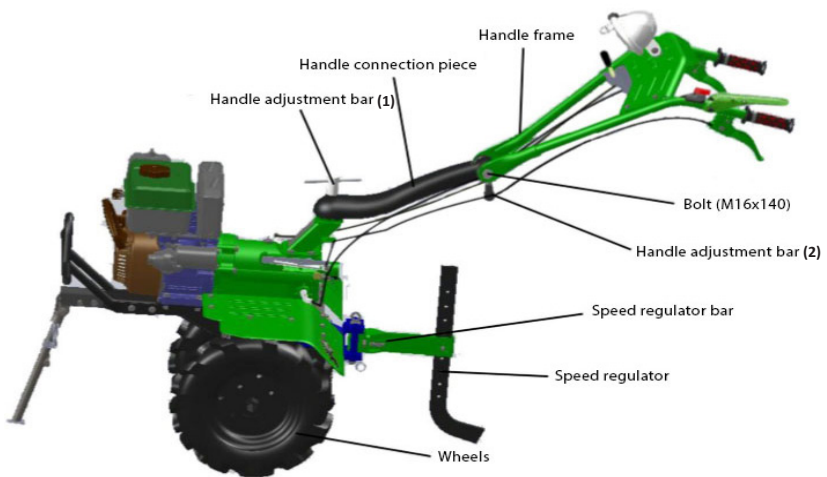


2. Connect the speed regulator bar to the shaft by inserting a 3x26 pin. Then, put the speed regulator into the square groove on the speed regulator bar, attach it using M8x55 bolts and M8 nuts.

User Guide

Assembly Instructions

3. Connect the handle frame to the handle connection piece. Use the handle adjustment bars to set the height of the handle frame. Loosen handle adjustment bar (1) to move the frame up or down. Loosen handle adjustment bar (2) to move the frame left or right as required. Remember to tighten in order to lock the frame in its position.



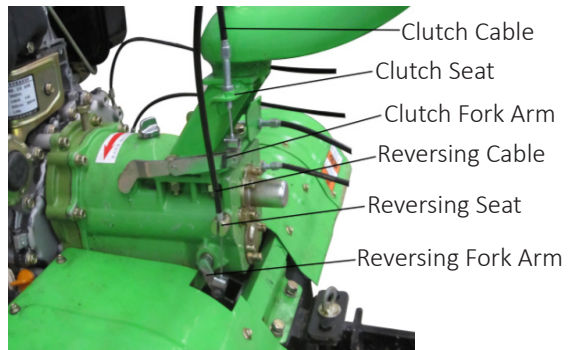
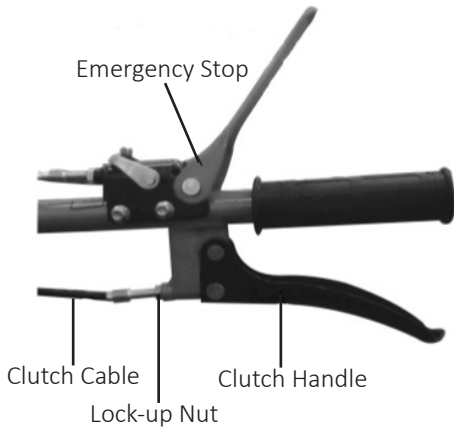
The wheels are only for transportation and must be removed and replaced by the tines when you want to start using the tiller.

Installing the tines:

1. Remove both wheels from the shaft.
2. Attach the tines using 2 x M8x50 bolts.
3. Securely tighten.

User Guide

Adjustment Instructions

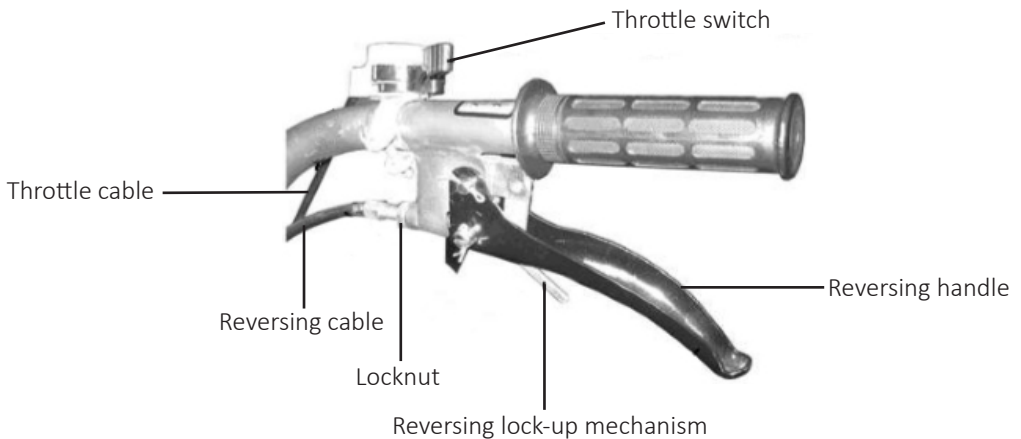


Clutch Cable Adjustment:

1. Loosen the locking bolts on the screw.
2. Turn the screw clockwise until you are able to move the cable.
3. Put the cable head into the clutch cable seat at the back of the gear box. Ensure the cable head goes into the hole on the cable seat.
4. Put the steel wire in the clutch cable into the M8 hole on the clutch fork arm seat, press the clutch fork arm properly, and put the cable head into the cable seat.
5. Turn the screw, loosen the clutch handle until the spring force within the clutch can reset the handle, and then tighten the locknut.

User Guide

Assembly Instructions



Reversing Cable Adjustment:

1. Loosen the locking bolts on the screw
2. Turn the screw clockwise until you are able to move the cable.
3. Put the cable head into the reversing cable fork arm at the side of the gear-box assembly. Ensure the cable head goes into the hole on the fork arm.
4. Pull the reversing fork arm counter clockwise, and put the cable into the reversing cable seat at the side of the gear box. Ensure the cable head goes into the hole in the cable seat.
5. Turn the screw, loosening the reversing handle until the spring force in the clutch can reset the handle.
6. Tighten the locknut.

Accelerator Cable Adjustment:

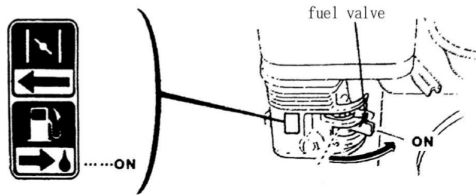
1. Turn the accelerator switch clockwise.
2. Put the steel wire in the accelerator cable into the threaded base and firm base on top of the accelerator adjustment board of the engine.
3. Tighten the accelerator cable steel wire, and fasten the bolts in the retaining seat.
4. Adjust the accelerator switch repeatedly until the accelerator can be adjusted to the maximum and minimum position.

User Guide

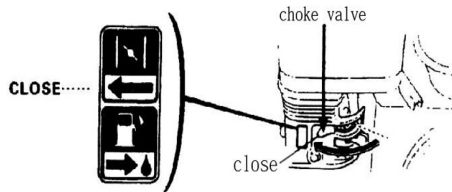
Operation Instructions

Note: The shift bar must be in the neutral position.

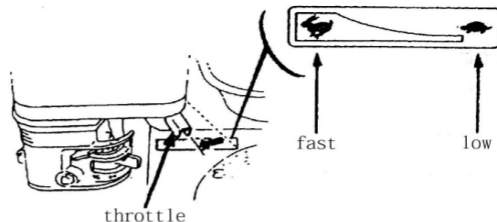
1. Set the fuel valve to the ON position.



2. Set the choke valve to the CLOSE position.



3. Turn the throttle left.



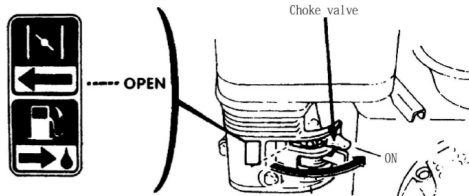
4. Turn the engine ON.
5. Pull the recoil starter lightly until resistance is felt. Return the recoil starter and begin the pull it briskly.

Do not allow the recoil starter to snap back against the engine. Return it gently to prevent damage to the starter.

User Guide

Operation Instructions

6. Once the engine has warmed up, put the choke valve to OPEN.



You can regulate the engine speed by the accelerator switch.

Turning off the tiller:

1. Turn down the accelerator switch.
2. Turn off the engine.
3. Turn off the fuel valve.

Emergency stop:

1. Pull down the emergency stop handle and turn off the engine.
2. Hold the emergency stop handle and turn off the accelerator switch.

Using the gears:

Changing gear:

1. Turn off the accelerator switch.
2. Grasp the clutch handle tightly.
3. Pull the shift bar to your required position.
4. Loosen the clutch handle.

Reversing:

1. Turn off the accelerator switch.
2. Pull the clutch handle in fully.
3. Pull the shift into neutral position, still holding in the clutch. Then hold the reversing buckle while bringing in the reverse handle fully.
4. Loosen the clutch handle gradually, and you will begin to reverse.

Note: Do not loosen the reversing handle.

User Guide

Operation Instructions

Using the Petrol Tiller:

1. Move the tiller to the work area before starting the engine. Transport it using the wheels only.
2. With the tines installed and in the correct position, and the engine running, gradually increase the engine speed.
3. Holding the handlebars firmly, slowly lower the tiller onto the soil. As the tines rotate, tilt the tiller forwards so that the tines can penetrate the soil. Once the ground has been broken, continue at a moderate pace.
4. You can reverse the tiller to improve the depth of cultivation.

By manipulating the handle bars, the operator can control the depth and speed of the tiller:

- Pushing down on the handles will allow the drag bar to penetrate the soil and slow the forward motion of the tiller.
- Easing up on the handles and moving the tiller gently from side to side will help to release any tines that are dug in too deeply.
- When turning, push down on the handles to bring the tiller's weight to the rear; this will make turning easier.

After an initial trial of your tiller, you may find you need to make some adjustments. Instructions for the adjustments can be found on the previous pages.

Maintenance

It is advised that after every use you check/do:

- The tightness of the bolts
- Engine oil level
- Any oil leakages
- Clean the machine
- Check parts

You should check the fuel and re-fill the fuel tank regularly, as well as the clutch friction, gears and bearings.

Oil Change: Make sure you change the oil regularly as there are many parts in the engine that need to be lubricated. Running the engine with a low oil level can cause engine damage.

User Guide

Maintenance

1. Drain the used oil when the engine is warm. Warm oil drains quickly and completely.
2. Place a suitable container below the engine to catch the used oil.
3. Remove the oil filler cap/dipstick and drain the oil into the container by tipping the engine toward the oil filler neck. Please dispose of used motor oil in a manner compatible with the environment. Do not throw in the bin, pour on the ground, or down a drain.
4. With the engine in a level position, fill to the bottom edge of the oil fill hole with the recommended oil.
5. Reinstall the oil filler cap/dipstick securely.

Fuel Filter: If the fuel filter is clogging, the speed of the petrol driver will slow and it will have a weak impact upon posts. When cleaning the fuel filter, clean the fuel tank.

Carburetor: The fuel tank and carburetor are usually left with residual oil. This will eventually plug the oil line which will stop the engine from working. Therefore, if the machine has not been in use for a long period of time, be sure to take the fuel completely out. Do this by pressing the carburetor primer bulb to drain the oil.

Gearbox Lubrication: Open the gear box and lubricate the driving gear regularly with lubricating oil to guarantee full lubrication of the gear.

Exhaust: Regularly remove dirt on the inlet and outlet of the exhaust.

Spark Plug:

1. The correct air gap should be 0.5mm.
2. Stop the engine and allow it to cool. Using a mutli-tool remove the spark plug.
3. Clean any dirt from around the spark plug. Do not let any dirt enter the cylinder. Re-gap the spark plug using a feeler gauge, replace and tighten.

Air Filter:

1. Remove the air filter cover.
2. Remove the sponge air filter from inside and wash it in a high flash point solvent. Rinse thoroughly and make sure it is completely dry.
3. Apply oil to the filter and replace it and the air filter cover.

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.

Q: There are parts missing from my order.

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

Q: The clutch is not working.

A: There may be a number of reasons for your clutch failing, such as damage to the clutch cable, spring failure etc. The clutch will either need repairing or a replacement. Contact our Customer Support Team for more help regarding this issue.

Q: The gear box and output shaft are running slowly or not at all.

A: This may be due to a spring failure or the clutch cable has not been adjusted properly. You will need to either replace the spring or readjust the clutch cable.

Q: I am unable to shift to the correct position.

A: This may be due to excess abrasion of the shift block or of the hole in the support arm connection block, or the spring is failing. All three would need replacing. However, first check the driving bevel gear and gear box cover for tightness of the bolts and nuts, as this could also be the problem.

Q: The tiller is over heating.

A: There may not be enough lubricating oil; refill the oil according to the requirement. You may also need to re-adjust gear as the lateral and axial clearance is too small.

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

Monster House, Alan Farnaby Way, Sheriff Hutton
Industrial Estate, Sheriff Hutton, York YO60 6PG



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