

Petrol Tiller

P140T

P140TE

User manual



FOR YOUR SAFETY
You must read and understand
this manual before use.
Keep this manual for future
reference.



INDEX

	CONTENTS	PAGE NO.S
1	SAFETY	3 - 8
2	PART LOCATIONS	9
3	QUICK START GUIDE	10 - 13
4	STARTING PROCEDURE	13
5	STOPPING PROCEDURE	14
6	USING THE MACHINE	14 - 16
7	MAINTENANCE	16 - 20
8	TROUBLESHOOTING	21
9	SPECIFICATION	22
10	DECLARATIONS OF CONFORMITY	23
11	RECYCLING AND PRODUCT DISPOSAL	24
12	CONTACT DETAILS	25
13	WARRANTY	25
14	MAUAL UPDATES	25

1. SAFETY

1.1 General Safety Notes.

- 1.2 The operator of the machine is responsible for, and has a duty of care in making sure that the machine is operated safely and in accordance with the instructions in this user manual. Keep the manual safe and pass it on if the machine is loaned or sold to another user.
- 1.3 Please note the following safety points.
- 1.4 The machine should never be left in a condition which would allow an untrained or unauthorised person/s to operate this machine.
- 1.5 All due care and diligence should be taken by the operator for the safety of and with regard to those around whilst using the machine.
- 1.6 Some or all of the following - warning signs, symbols and/or PPE pictograms may appear throughout this manual. You **MUST** adhere to their warnings. Failure to do so may result in personal injury to yourself or those around you.



DANGER

Indicates a hazard, which, if not avoided, could result in serious injury or death.



WARNING

Indicates a hazard, which, if not avoided, could result in serious injury.



CAUTION

Indicates a hazard which, if not avoided, might result in minor or moderate injury.



NOTE

Indicates a situation that could easily result in equipment damage.

READ and keep the manual safe and pass it on if the machine is loaned or sold to another user. You **MUST** fully understand all instructions to ensure you use and operate the machine safely.

Appropriate Personal Protective Equipment (PPE), **MUST** be worn at all times when operating or repairing the machine.





1.10 Carbon Monoxide (where applicable).

- 1.11 Carbon monoxide is a colourless and odourless gas. Inhaling this gas can cause death as well as serious long term health problems such as brain damage.
- 1.12 The symptoms of carbon monoxide poisoning can include but are not limited to the following;
Headaches, dizziness, nausea, breathlessness, collapsing or loss of consciousness.
- 1.13 Carbon monoxide poisoning symptoms are similar to flue, food poisoning, viral infections and simply tiredness. It is quite common for people to mistake this very dangerous poisoning for something else.
- 1.14 To avoid carbon monoxide poisoning **DO NOT** use Petrol/Diesel powered equipment inside any of the following; Home, garage, tent, camper van, mobile home, caravan or boat. This is not exhaustive and if you are in any doubt contact your dealer.
- 1.15 If you think you have or someone around you has been affected by carbon monoxide poisoning;
- 1.16 Get them fresh air immediately, by leaving the affected area or by opening doors and windows. If safe and practical to do so make sure that the machine is turned off. **DO NOT** enter a room you suspect of having carbon monoxide present – instead call the emergency services.
- 1.17 Contact a Doctor immediately or go to Hospital – let them know that you suspect carbon monoxide poisoning.
- 1.18 **DO NOT** use in an enclosed area or moving vehicle.

1.20 General Fuel Safety (where applicable).



CAUTION

ALL FUELS ARE FLAMABLE

- 1.21 Fire Hazard – keep fuel away from all sources of ignition for example heaters. Lamps, sparks from grinding or welding.



- 1.22 **DO NOT** carry out hot work on tanks that have contained fuel.

- 1.23 **ALWAYS** keep the work area tidy.

- 1.24 **ALWAYS** clean up spills promptly using absorbent granules and a lidded bin.

- 1.25 **ALWAYS** dispose of waste fuels correctly.

1.30 Fueling/De-fueling (where applicable).



CAUTION

ALL FUELS ARE FLAMABLE

- 1.31 **ALWAYS** fuel and defuel in a well ventilated area outside of buildings.
- 1.32 **ALWAYS** wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are but not limited to safety gloves, overalls.



- 1.33 When fueling/de-fueling **ALWAYS** avoid inhaling fumes.
- 1.34 When de-fueling **ALWAYS** use a proper fuel retriever.



- 1.35 **ALWAYS** carry fuel in the correct and clearly marked container.

1.40 **Electrical Safety (where applicable).**

- 1.41 Electricity can kill – **NEVER** work on **LIVE/ENERGISED** equipment.
- 1.42 Prior to carrying out any maintenance work you **MUST** identify electrical isolation methods and isolate all electrical supplies.
- 1.43 Prior to use and with all electrical supplies isolated, you **MUST** check all electrical cables, plugs and connectors for the following;
 - 1.44 Are intact and have no signs of damage, to include but not limited to bare wires, chaffing, cuts and loose wiring.
 - 1.45 If there are any signs of damage, the damage item **MUST** be taken out of service until the damage has been repaired by an electrically competent person.
 - 1.46 All trailing cables should be routed so as not to cause any kind of trip hazard.
- 1.47 **NEVER** work on or near electricity with wet hands, wet clothing and wet gloves.



1.50 **Batteries (where present).**

- 1.51 Batteries present a risk if they become damaged by the possible leaking of electrolyte. This electrolyte is an acid and can cause serious burn injuries. Care should be taken when working on or near them. **NOTE** the electrolyte may be in a liquid or gel form.
- 1.52 Should you come in to contact with electrolyte you should;
 - 1.53 Remove all clothing contaminated with electrolyte. If you cannot remove then saturate them in water.
 - 1.54 Get medical assistance as soon as possible. You must advise the medical staff of the type of acid.
- 1.55 Lead/acid battery = dilute sulphuric acid.

- 1.56 Nickel/cadmium = potassium hydroxide alkali electrolyte.
- 1.57 Use fresh running water to wash off excess electrolyte, continue this until medical assistance arrives. Make sure that you do not wash the electrolyte to another part of your body or face.
- 1.58 If electrolyte comes in to contact with Eyes the electrolyte needs to be immediately washed away with large amounts of water. Make sure that you do not wash the electrolyte to another part of your face or body.
- 1.59 Gasses from charging batteries are highly flammable and great care should be taken to charge in well ventilated areas.

1.59.1



There is an explosion risk if the battery terminals are short circuited, when connecting/disconnecting **ALWAYS** exercise great care so that the terminals or battery leads are **NOT** allowed to touch and cause a spark. **ALWAYS** use suitable insulated tools.

1.60 Vibrations (where applicable).

- 1.61 Prolonged use of hand held (operated) machines will cause the user to feel the effects of/from vibrations. These vibrations can lead to white finger (Raynaud's phenomenon) or carpal tunnel syndrome. This condition reduces the ability of the hand to feel and regulate temperature, causing numbness and heat sensations and may cause nerve damage and circulatory tissue death.
- 1.62 Not all factors that lead to white finger disease are known, but cold weather, smoking and other diseases that affect blood vessels and blood circulation as well as large and long-lasting impact of shocks are considered factors in the formation of white finger. Note the following to reduce the risk of white finger and carpal tunnel syndrome;
- 1.63 Wear gloves and keep your hands warm.
- 1.64 Take regular breaks.
- 1.65 All of the above precautions may help reduce the risk of white finger disease but not rule out the carpal tunnel syndrome. Long-term and regular users are therefore recommended to observe the condition of your hands and fingers. Seek medical attention immediately if any of the above symptoms should occur.

1.70 Noise (where applicable).

- 1.71 The operating noise of the machine can damage your hearing. Wear hearing protection such as earplugs or ear defenders to protect your hearing. Long-term and regular users are advised to have hearing checked regularly. Be especially vigilant and cautious when wearing ear protection because your ability to hear alarm warnings will be reduced.
- 1.72 Noise emissions for this equipment is unavoidable. Carry out noisy work at approved times and for certain periods. Limit the working time to a minimum. For your personal protection and protection of people working nearby it is also advisable for them to wear hearing protection.

1.73



See CERTIFICATE of CONFORMITY section for Outdoor Noise declaration of conformity.

MACHINE SPECIFIC SAFETY

1.80 **General Machine Safety.**

- 1.81 Read the owner's manual carefully to understand how to operate this machine properly.
- 1.82 Inspect machine before use and replace any damaged parts before operation. Check for fuel leaks and make sure all fasteners are secure and in place.
- 1.83 Replace parts that are cracked, chipped or damaged in any way before using the machine.
- 1.84 Stop the engine before working on the machine for maintenance.
- 1.85 Never put feet or hands near the machine tiller blades when running.
- 1.86 Before tilling, remove all large objects which may cause injury or damage.
- 1.87 Keep children, people and pets at a safe distance when the tiller is in use.
- 1.88 **DO NOT** operate this rotary cultivator after drinking, taking medication or drugs that can impair judgement.
- 1.89 Use only recommended accessories and parts, approved by the manufacturer. Non approved parts may cause damage to the machine or harm to the user and will also void your machines warranty.
- 1.90 Under no circumstances should you ever take the product apart or alter it in any way even if the item is faulty.
You may damage or cause further harm by taking the product apart and you will void the warranty in doing so.
- 1.91 This tiller is designed exclusively for tilling in garden areas in a private domestic setting.
Using it for any other purpose other than those intended qualify as improper use.
The operator is solely responsible for assuming all risks.
- 1.92 You should prevent the equipment from coming into contact with buried electrical cables, earthing devices, such as pipe lines.
Making contact with these may cause electric shock and or damage to your machine.
- 1.93 **DO NOT** overload the machine. For the first tilling of the season use at the highest setting, it will prevent the machine from being overloaded.
- 1.94 The machine will work better when operated within its specified performance range.
- 1.95 If the blade is blunt have it sharpened and rebalanced or replace it. Blunt blades will not till the soil efficiently, so check blade carefully before each use.
- 1.96 Before cleaning, maintaining or replacing parts, cut off the power supply to the rotary cultivator and ensure all moving parts have stopped.
- 1.97 The rotary tiller should be maintained by a professional maintenance person. All maintenance or service by non-professionals may result in users' injury or equipment damage.

- 1.98 If the equipment is running abnormally, please stop the engine and carefully check all the parts to see if any part is damaged.
Repair it before re-starting and using the equipment.
- 1.99 **DO NOT** exceed the cultivable depth.
- 1.99.1 **DO NOT** work too fast.
- 1.99.2 If the machine comes in to contact with big blocks, roots or vines, the equipment will spring upwards and forwards.
Stop the machine and remove the HT lead before removing any blockages.
- 1.99.3 Avoid pulling the tiller while the engine is running.
- 1.99.4 Keep and read the instructions often.
- 1.99.5 Use them to show others how to operate the tiller safely.
- 1.99.6 When the equipment is not being used, remove the HT lead to avoid accidental starting.
- 1.99.7 Only use in good natural light.
- 1.99.8 Correct Personal Protective Equipment (PPE) **MUST** be worn at all times when operating or repairing this machine. This should include but is not limited to;



HAND
PROTECTION
MUST BE WORN



EYE
PROTECTION
MUST BE WORN



PROTECTIVE
CLOTHING
MUST BE WORN



HEARING
PROTECTION
MUST BE WORN



FOOT
PROTECTION
MUST BE WORN



HEAD
PROTECTION
MUST BE WORN

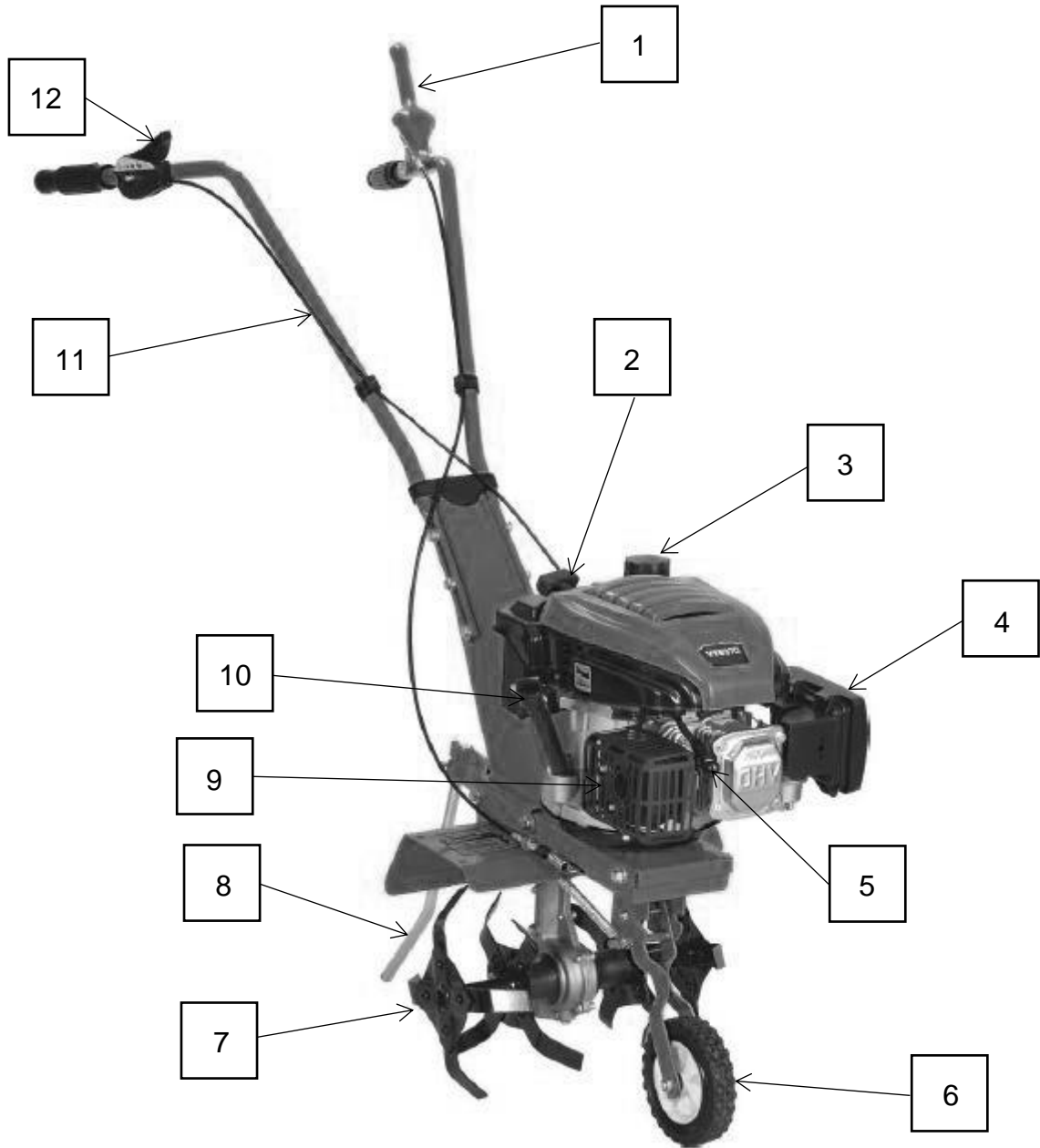


RESPIRATOR
MUST BE WORN



FACE SHIELD
MUST BE WORN

2. PART LOCATIONS



1	Clutch Handle	7	Rotary Tines
2	Recoil Starter Handle	8	Depth / Drag Bar
3	Fuel Filler Cap	9	Exhaust
4	Air Filter	10	Oil Filler / Dipstick
5	Spark Plug	11	Handlebars
6	Transport Wheel	12	Throttle Control Lever

3. QUICK START GUIDE

CAUTION

This guide is meant to serve as a quick reference for operating your Hyundai Tiller. We always advise reading the manual in full before operation.

CAUTION

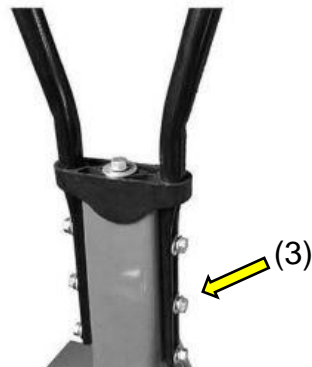
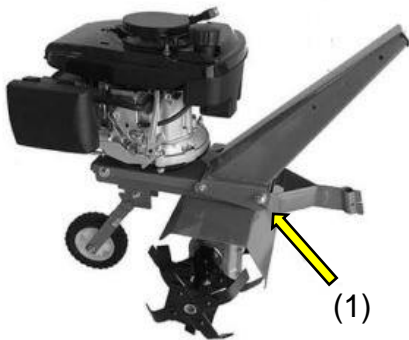
For **OUTDOOR** use **ONLY**.

The petrol tiller produces carbon monoxide – a poisonous, colourless and odourless gas that can cause serious injury or death.

Petrol is highly flammable, always handle with extreme care and in a well ventilated area.

2.0 Attach the handlebar bracket to the rotary tine cover (1).
DO NOT fully tighten bolts.

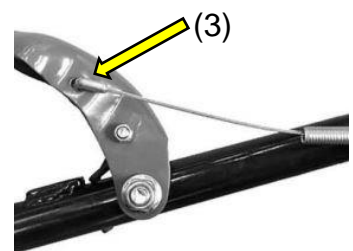
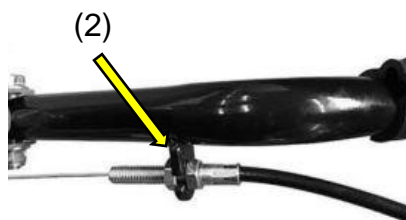
2.1 Attach the handlebars to the handlebar bracket (3).
Check the handlebars are at the required working angle then tighten all bolts to secure.



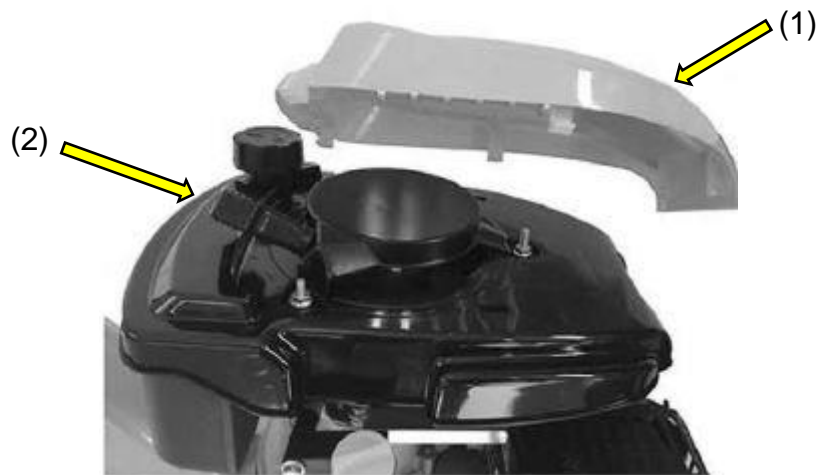
2.2 Fit the drag bar and secure with the lock pin (1).

2.3 Insert the clutch cable into the cable retainer on the handlebars (2).

2.4 Attach the clutch cable to the clutch lever and secure the cables to the handlebars using the clips provided. (3).



- 2.5 Remove the engine cover (1) to access the recoil starter handle (2).
- 2.6 Gently pull the starter handle through the engine cover and replace the engine cover.



FUEL



CAUTION

ALL FUELS ARE FLAMMABLE

ALWAYS fuel and defuel in a well ventilated area outside of buildings.

ALWAYS wear the correct, suitable and fit for purpose Personal Protective Equipment (PPE).

- 2.7 Clean around the fuel filler cap.
- 2.8 Unscrew the fuel filler cap (1).
- 2.9 Fill the fuel tank with fresh straight unleaded petrol. Allow a 25mm gap from the top of the tank, then refit the cap securely (2).
- 2.10 **DO NOT** mix petrol with oil and clean up any spills immediately.

(1)



(2)



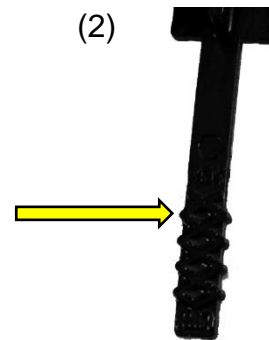
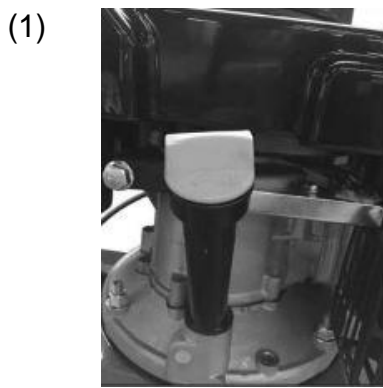
OIL

! CAUTION

The tiller is shipped without oil.

From empty, it will require 0.6l of a quality semi-synthetic SAE 10W-30 engine oil before operation.

- 2.11 Remove the oil filler / dipstick from the oil filler neck (1).
- 2.12 Start adding small amounts of engine oil and check with the dipstick until you reach the upper level mark on the dipstick (2).
- 2.13 Refit the oil filler / dipstick securely.

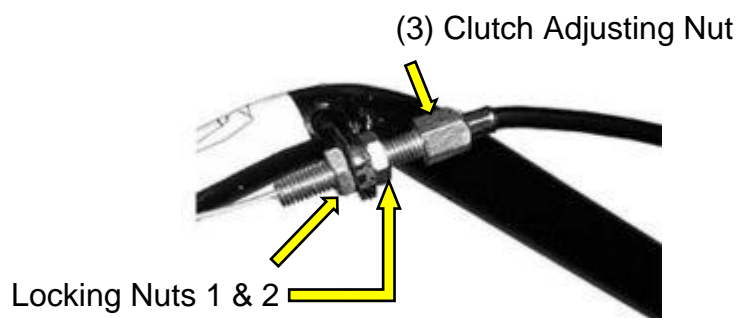


ADJUSTING THE CLUTCH CABLE

! NOTE

Before use you **MUST** check and if necessary adjust the clutch cable.

- 2.7 There should be 10mm play in the clutch handle before you feel resistance. If the play is greater than 10mm the cable will need adjusting otherwise the tiller will not operate correctly.
- 2.8 Undo both locking nuts (1 & 2) to adjust the clutch.
- 2.9 Make minor adjustments to the clutch adjusting nut (3). After each adjustment make sure the tiller blades rotate when the clutch lever is operated and STOP rotating when it is released. Tighten both locking nuts back up.



- 2.10 The transport wheel has 2 positions.
When down the wheel is used for moving the machine.
When up the machine is used for tilling.
- 2.11 Move the transport wheel to the up position by pulling the wheel down and moving it to the up position locking slot (1).



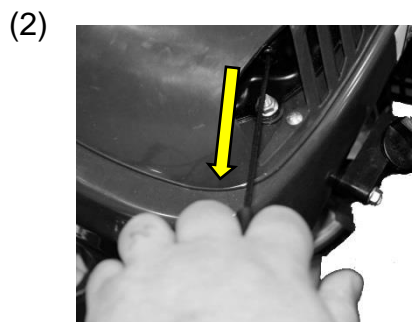
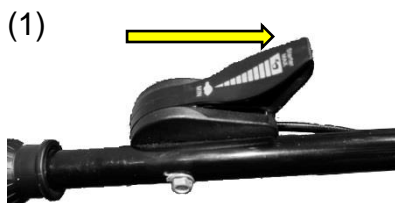
4. STARTING PROCEDURE



CAUTION

The machine is shipped without fuel & oil therefore you **MUST** fill the engine with fuel & oil before starting the engine.
Failure to do so will result in engine damage which will not be covered by warranty.

- 3.0 Move the throttle lever forward to the START position (1).
- 3.1 Gently pull the recoil starter handle until you feel resistance (2), then pull swiftly until the engine starts.
- 3.2 Once the engine starts, slowly move the throttle lever back towards the MIN position until the engine runs smoothly (3).



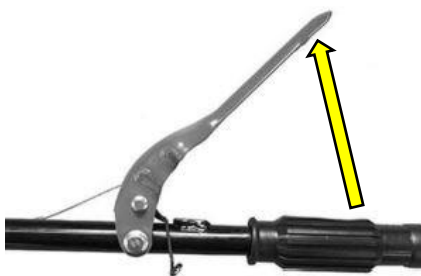
5. STOPPING PROCEDURE

NOTE

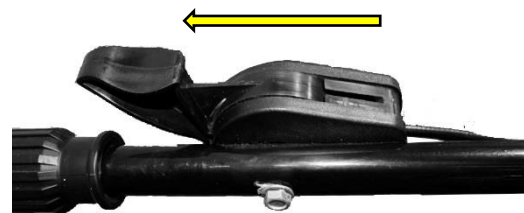
Before stopping / shutting down the tiller, allow the engine to idle for a few minutes.

- 4.0 Release the clutch lever (1).
- 4.1 Move the throttle lever all the way back passed the MIN position and hold it there until the engine stops (2).
- 4.2 **DO NOT** touch any of the rotating parts of the machine until it has come to a complete stop and you have removed the HT lead cap.

(1)



(2)



6. USING THE MACHINE

WARNING

You **MUST STOP** the machine if any of the following occur.
The engine speed changes with no control.
In case of misfire.
In case of high vibration.

CAUTION

If you are not familiar with this type of machine you should seek advice and guidance from your dealer.
DO NOT attempt to lift, move or transport the machine whilst the engine is running.

- 5.0 Make sure nobody else is in the vicinity of the machine when you start the engine or run the machine.
- 5.1 Make sure onlookers and animals are kept at a safe distance from the machine.
- 5.2 Clear the area of objects such as stones, toys, steel wire etc. that could become caught on moving machine parts and thrown out.
- 5.3 Find and locate all fixed objects in the ground such as sprinkler systems, poles, water valves, bases for washing lines etc.

- 5.4 Make sure you check for hidden electrical cables or similar on the surface of the lawn.
ALWAYS run the machine around these objects. **NEVER** intentionally run the machine over foreign objects.
- 5.5 Check the clutch lever and all guards are fitted and functioning correctly.
DO NOT use the machine if it is not working properly.
- 5.6 Make sure no clothing, long hair or jewellery can catch on moving machine parts.
- 5.7 Use a dust mask for breathing protection, protective gloves with good grip and protective clothing in which you can move unrestricted.
Also use leg protection to protect your legs from sparks and the cutting tines.
- 5.8 **ALWAYS** wear protective boots with anti-slip and preferably with steel toe caps.
NEVER use the machine barefoot.
- 5.9 Use approved ear protection when the engine is running.
- 5.10 We advise having first aid equipment at hand when using the machine.
- 5.11 **DO NOT** use the machine if you are tired, consumed alcohol or if you are taking other drugs or medication that can affect your vision, judgement or coordination.
- 5.12 Machines other than those intended for indoor use should **NEVER** be used indoors or in spaces lacking proper ventilation.
- 5.13 Make sure you have a proper foothold when using the machine, particularly when walking backwards (which you should avoid)
- 5.14 Walk, don't run. Poor traction may cause you to slip, trip or fall.
- 5.15 Keep your hands and feet away from moving parts and working tools.
- 5.16 Naked flames or sparks in the vicinity of the machine are strictly forbidden.
Petrol is extremely flammable and carelessness in handling can result in personal injury or fire.
- 5.17 **NEVER** use a machine with a defective exhaust / muffler.
- 5.18 **STOP** and inspect the equipment if you run over or into anything.
If any damage has occurred you **MUST** make all the necessary repairs before starting work again.
DO NOT use a damaged machine.
- 5.19 **ALWAYS** park the machine on even ground, disengage the drive, turn off the engine and wait until all moving parts have stopped before leaving the machine.
- 5.20 Beware of thrown objects.
- 5.21 Avoid tilling if the soil is very hard, irrigate it a few days before cultivation.
- 5.22 The machines normal operating angle should be that the front of the machine is about 6/8" above the rear of the machine.
- 5.23 **DO NOT** work on wet ground. If there has been a heavy rain on the working site, wait until the ground has dried.
- 5.24 You can adjust the depth of tilling by moving the depth / drag bar.
During the first pass you should keep the depth shallow.
the required final depth of tilling may only be reached by increasing the depth over several passes.

- 5.25 If the machine starts to bounce or shake you should reduce the throttle speed.
- 5.26 **DO NOT** leave the engine running when moving to and from the working area.
- 5.27 You **MUST** only use the machine in the forward direction.
- 5.28 **DO NOT** use the tiller to work across slopes.

7. MAINTENANCE



NOTE

The machine may be tipped backward or on its side to facilitate access for cleaning or service but for no longer than 2 minutes.

If the machine is held in this position for too long, the engine can be damaged by petrol draining into the crank case.

Should this happen, perform an extra oil change on the engine over a few revolutions with the starter handle before starting the engine again.



WARNING

ALWAYS stop the engine and unplug the spark plug before doing any repairs or maintenance.

NEVER touch a rotating blade.

Check and maintain fuel and oil levels regularly and maintain the correct levels.

Frequently check at regular intervals for the tightness of all nuts, bolts and screws.

If the machine vibrates badly, stop the machine and take it to a service dealer.



CAUTION

ALWAYS refuel in a well-ventilated area with the engine off and the spark plug HT cap removed.

Whilst carrying out maintenance you **MUST** wear appropriate Personal Protective Equipment (PPE). Suggested PPE Sturdy footwear, work gloves, long trousers and hearing protection.



NOTE

Spare parts – If a part needs replacement, you **MUST** only use parts that meet the manufacturer's part number specifications.

Replacement parts that **DO NOT** meet specifications may result in a safety hazard or poor operation of the tiller and will **VOID** the warranty.

Major servicing including installation or replacement parts, should be made by a qualified service technician.

Item		Every use	Every 3 months of 15 hours	Every 6 months or 50 hours	Every 12 months or 100 hours	Every 24 months or 300 hours
Air Filter	Check	X				
	Clean		X*			
Spark Plug	Check / Adjust				X	
	Change					X
Carburetor	Clean		X			
Engine Oil	Check	X				
	Change			X		
Cutting Blades (tines)	Check	X	Replace as required			
Clutch	Check	X				
	Adjust	As required				
Drive Belt	Replace as required	Contact dealer				
Gear Box Oil	Check level		X			
Mechanical Connections	Check	X				
	Tighten	X				
	Examine	X				
Fuel Tank	Examine				X	
Fuel Pipes	Examine	Each time, replace as required				

* = Clean more frequently in dusty conditions.

AIR FILTER



CAUTION

The engine **MUST NOT** be run without an air filter otherwise piston and/or cylinder damage can occur.

This type of damage will **NOT** be covered under warranty.

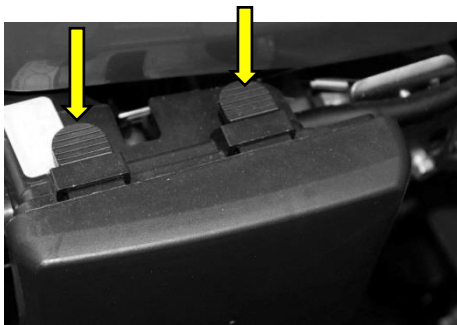
Maintaining the air filter is very important.

If dirt is allowed to get in to the engine through improperly installed, serviced or inadequate filter elements, it can damage and wear out the engine.

ALWAYS keep the filter element clean.

- 6.0 To gain access to the air filter press the 2 latch tabs (1).
- 6.1 Remove filter (2), if the filter element is damaged, broken or has shrunk then replace.

(1)



(2)



- 6.2 To clean the air filter, wash in warm soapy water and allow to dry.
- 6.3 Once dry, soak in clean engine oil then squeeze to remove the excess.
- 6.4 Reinstall the air filter and air filter cover.

FUEL & CARBURETOR



CAUTION

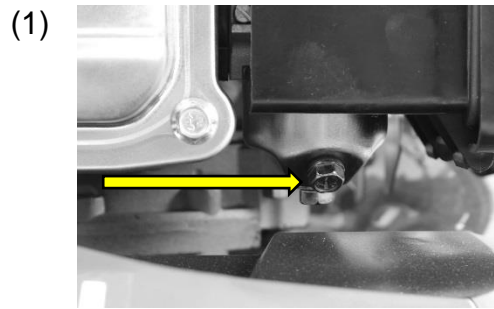
ALL FUELS ARE FLAMMABLE

ALWAYS fuel and defuel in a well ventilated area outside of buildings.

ALWAYS wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are but not limited to safety gloves, overalls and eye protection.

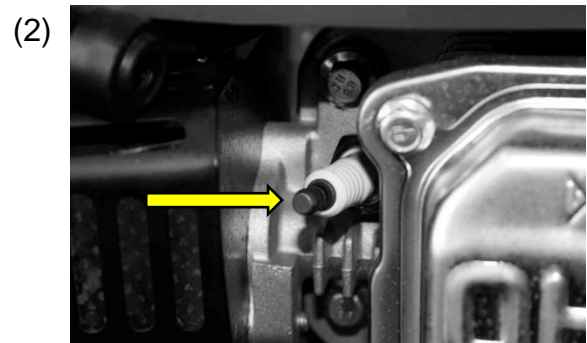
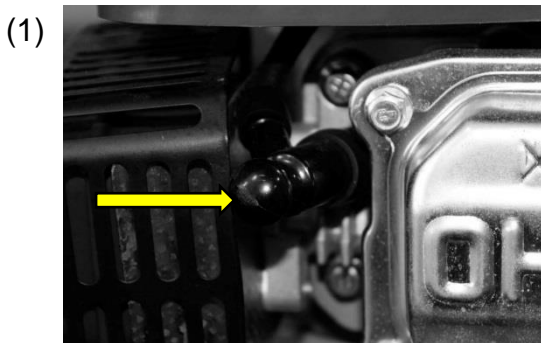
- 6.5 The use of old or stale fuel will impair starting and running of the machine.
- 6.6 Make sure that the machine has fresh unleaded fuel and always remove fuel before storing for long periods.
- 6.7 Never mix fuel and oil.
- 6.8 To drain the carburetor float bowl (1) undo the drain bolt making sure that the washer is not lost.

- 6.9 Use a suitable container to catch the fuel.
Take care not to spill fuel and make sure that all spilt fuel is cleared away safely.

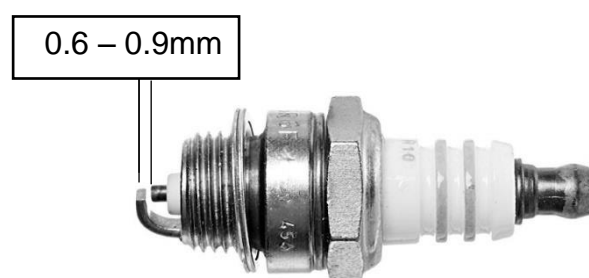


SPARK PLUG

- 6.4 You **MUST** allow the engine to cool down before carrying out any maintenance.
- 6.5 Always replace with the same model spark plug as fitted.
- 6.6 To check spark plug, remove spark plug cap (1) and remove spark plug (2) using the supplied spark plug wrench.



- 6.7 Check the spark plug for visible damage and electrode erosion.
- 6.8 If damaged you **MUST** replace the spark plug.
- 6.9 Remove carbon deposits from the spark plug using a soft wire brush.
- 6.10 The spark plug gap should be 0.6 – 0.7mm.
Check the gap using a feeler gauge and adjust as necessary by carefully bending the side electrode to achieve the correct gap.



- 6.1 Refit the cleaned and adjusted spark plug by hand to avoid cross-threading.
- 6.12 After spark plug seats then tighten as necessary but avoid over-tightening.
- 6.13 Re-attach the spark plug cap.

CLEANING



CAUTION

DO NOT use a hose pipe or pressure washer to clean the engine. Water can damage the engine or contaminate the fuel system.

- 6.22 Wipe the deck with a dry cloth.
- 6.23 You can hose under deck by tilting the mower. Make sure you tilt the machine so that the air filter is facing up. **NOTE** Engine must be switched off and plug lead disconnected.
- 6.24 Dry the machine completely to prevent any rust forming. You can use a light oil or silicone spray to prevent rust.

STORAGE

- 6.25 The following steps should be taken to prepare your lawnmower for storage.
- 6.26 After the final cut of the season – you must drain the fuel from the fuel tank. Then run the machine until the engine comes to a stop this allows the carburetor to be emptied of fuel.
- 6.27 Clean the mower completely and make sure all moving parts are lubricated.
- 6.28 Check the blade to make sure that it is ready for the following season – This will allow you to get it sharpened correctly. Use a light oil or silicone spray to help prevent the blade from rusting.
- 6.29 Drain engine oil and replace with new SAE15w40 engine oil, fill to the upper mark on the dipstick.
- 6.30 Once all work above is carried out store the machine in a clean and dry place. **DO NOT** store a machine that has not been given time to fully cool down.

8. TROUBLESHOOTING

NOTE

Where necessary, all corrective actions should be carried out by suitably qualified persons.

Problem	Possible Cause	Possible Corrective Action
Engine does not start	Fuel tank is empty	Fill fuel tank
	Stale fuel	Drain carburetor float bowl
	Air filter element is dirty	Clean or replace air filter
	Spark plug is loose	Tighten spark plug
	Spark plug cap loose or disconnected	Correctly fit the spark plug cap
Spark plug faulty	Spark plug gap is incorrect	Set plug gap to 0.7 – 0.8mm or Replace spark plug
	Carburetor is flooded with fuel	Remove the air filter and pull starter rope until carburetor clears
	Faulty ignition module	Contact the service dealer
Engine difficult to start or loses power	Dirt, water or stale fuel in tank	Drain fuel and clean tank Fill with clean, fresh fuel
	Vent hole in fuel tank is clogged	Clean or replace fuel tank cap
	Air filter element is dirty	Clean or replace air filter element
Engine operates erratically	Spark plug is defective	Fit new, correctly gapped spark plug
	Spark plug gap is incorrect	Set plug to 0.7 – 0.8mm
	Air filter element is dirty	Clean or replace air filter element
Engine idles poorly	Air filter element is dirty	Clean or replace air filter element
	Air slots in engine are blocked	Remove debris from slots
	Cooling fins and air passages under engine housing are blocked	Remove debris from cooling fins and passages
Engine skips at high speed	Spark plug electrode gap is incorrect	Set plug gap to 0.7 – 0.8mm
Engine Overheating	Cooling airflow is restricted	Remove any debris from slots in shroud, blower housing, air passages
	Incorrect spark plug	Fit new spark plug

9. SPECIFICATION

Engine	IC140V
Displacement – cc	139
Power @ 2800rpm – kW	1.9
Starting Method	Recoil
Fuel Tank Capacity – l	1.6
Fuel Type	Unleaded Petrol
Engine Oil Capacity – l	0.6
Engine Oil Type	SAE10W30
Transmission	Gear Drive
Cutting Width – mm	370
Noise Level - dBA	93
Vibration Left Handle – m/s ²	2.7
Vibration Right Handle – m/s ²	2.7

10. DECLARATIONS OF CONFORMITY

Genpower Ltd confirms that these P1PE products conform to the following CE Directives;

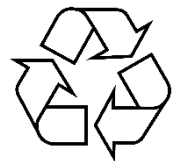
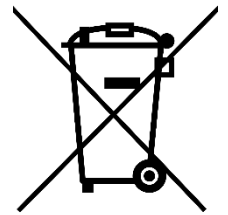
2006/42/EC Machinery Directive

2004/108/EC EMC Directive

97/68/EC_2010/26/EC NRMM Emissions Directive

11. RECYCLING & PRODUCT DISPOSAL

- 7.0 We do not offer a takeback scheme for the recovery of Waste Electrical Electronic Equipment (WEEE) & Batteries.
Instead the responsibility to dispose of WEEE and or Batteries is passed onto you by us.
So when it becomes necessary to dispose of your machine you must take it to your local Civic Amenity Site.
For further information please contact your local Authority for disposal advice.
- 7.1 You **MUST** make sure that all unused oil and fuel is disposed of correctly either beforehand or at your local Civic Amenity Site.
Under NO circumstances must any fuel or oil be put down any drains.
- 7.2 Certain products contain WEEE waste which should not be disposed of in your domestic waste.
- 7.3 You **MUST** recycle WEEE in accordance with your local authority or recycling centre.
- 7.4 Certain products contain batteries which should not be disposed of in your domestic waste.
- 7.5 You **MUST** recycle batteries in accordance with your local authority or recycling centre.
- 7.6 Unwanted packaging and materials should be stored and taken to a recycling centre so it can be disposed of in a manner which is compatible with the environment.
- 7.7 The following symbol means that you should 'Reduce – Reuse – Recycle'.
- 7.8 We are a Member of the VALPAK National Compliance Scheme and our registration number is **RM08660**
- 7.9 For further information about disposal please contact your Local Authority.
- 7.10 You can also get more advice and guidance about recycling at the following website <http://www.recycle-more.co.uk>
- 7.11 Should you pass this product on to another user either sold or loaned, you **MUST** pass on this user manual.
This will make sure that all other users can use and maintain this machine safely.



12. CONTACT DETAILS

8.0	POSTAL ADDRESS	Genpower Ltd, Isaac Way, London Road, Pembroke Dock, Pembrokeshire. SA72 4RW. UK.
8.1	TELEPHONE	+44 (0) 1646 687880
8.2	FAX	+44 (0) 0164 686198
8.3	TECHNICAL EMAIL	aftersales@genpower.co.uk
8.4	WEBSITE	www.p1pe.co.uk

13. WARRANTY

To register your machine for the manufacturer's warranty, please visit

<http://p1pe.co.uk/warranty/>

14. MANUAL UPDATES

- 9.0 Our manuals are constantly being reviewed and updated. However if you find an error, omission or something you find unclear, please contact your dealer for assistance.
- 9.1 Our latest manuals are also placed online.
- 9.2 We reserve the right to make any modifications without prior notice whenever necessary.



P1PE – Position One Power Equipment
Isaac Way, Pembroke Dock, Pembrokeshire, SA72 4RW
www.p1pe.co.uk