

HYUNDAI

LEAF SHREDDER and VACUUM

Model HYBV200



User Manual

Licensed by Hyundai Corporation, Korea

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1. SAFETY

1.1. General safety notes.

1.1.1. 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.

1.1.2. Please note the following safety points.

1.1.2.1. The machine should never be left it in a condition which would allow an untrained or unauthorised person/s to operate this machine.

1.1.2.1.1. 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.

1.1.2.1.2. Some or all of the following - warning signs, symbols and/or PPE pictograms may appear throughout this manual. You MUST adhere to their warning/s. 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.

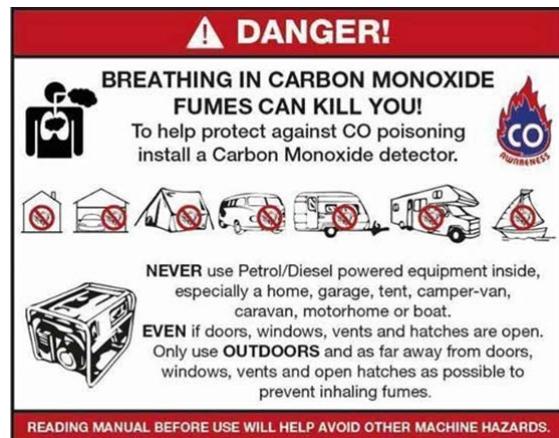
NOTE

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 read instructions to make sure you use and operate machine safely.

Appropriate Personal Protective Equipment (PPE), MUST be worn at all times when Machine is in use or being repaired.



1.2. Carbon monoxide (where applicable).

1.2.1. 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.

1.2.2. The symptoms of carbon monoxide poisoning can include but are not limited to the following; Headaches, dizziness, nausea, breathlessness, collapsing or loss of consciousness.

1.2.2.1. Carbon monoxide poisoning symptoms are similar to flu, food poisoning, viral infections and simply tiredness. It is quite common for people to mistake this very dangerous poisoning for something else.

1.2.2.2. 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 list is not exhaustive and if you are in any doubt contact your dealer.

1.2.3. If you think you have or someone around you has been affected by carbon monoxide poisoning;

1.2.3.1. 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.

1.2.3.2. Contact a doctor immediately or go to hospital - let them know that you suspect carbon monoxide poisoning.

1.2.4 DO NOT use in an enclosed area or a moving vehicle.

1.3. General fuel safety (where applicable).

CAUTION

ALL FUELS ARE FLAMMABLE

1.3.1. Fire hazard - keep fuel away from all sources of ignition for example heaters, lamps, sparks from grinding or welding.



Fire Hazard

1.3.2. DO NOT carry out hot work on tanks that have contained fuel it is extremely dangerous.

1.3.3. ALWAYS keep work area clean and tidy.

1.3.4. ALWAYS clean up all spills promptly using correct methods i.e. absorbent granules and a lidded bin.

1.3.5. ALWAYS dispose of waste fuels correctly.

1.4. Fueling/De-fueling (where applicable).

CAUTION

ALL FUELS ARE FLAMMABLE

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

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



1.4.3. When fueling/de-fueling ALWAYS avoid inhaling fumes

1.4.4. When de-fueling ALWAYS use a propriety fuel retriever.

1.4.5. ALWAYS carry fuel in the correct and clearly marked container.



Fire Hazard

1.5. Electrical safety (where applicable).



Risk of electric shock

1.5.1. Electricity can kill - NEVER work on LIVE/ENERGISED equipment.

1.5.2. Prior to carrying out any maintenance work you MUST Identify electrical isolation methods and isolate all electrical supplies,

1.5.3. Prior to use and with all electrical supplies isolated You MUST check all electrical cables, plugs and connections for the following;

1.5.3.1. Are intact and have no signs of damage, to include but not limited to bare wires, chaffing, cuts and loose wiring.

1.5.3.2. If there are any signs of damage, the damaged item MUST be taken out of service until the damage has been repaired by an electrically competent person.

1.5.3.3. All trailing cables should be routed so as not to cause any kind of trip hazard.

1.5.3.4. NEVER work on or near electricity with wet hands, wet clothing, and wet gloves.

1.6. Batteries (where present).



Corrosive

1.6.1. 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 liquid or gel form.

1.6.2. Should you come into contact with electrolyte you should;

1.6.2.1. Remove all clothing contaminated with electrolyte. If you cannot remove then saturate in water.

1.6.2.2. Get medical assistance as soon as possible. You must advise the medical staff of the type acid.

1.6.2.2.1. Lead/acid battery = dilute sulphuric acid

1.6.2.2.2. Nickel/cadmium = potassium hydroxide alkali electrolyte.

1.6.2.3. 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 the face or body.

1.6.2.4. If electrolyte comes into 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 the face or body.

1.6.3. Gasses from charging batteries are highly flammable and great care should be taken to charge in well ventilated areas.

1.6.4. There is an explosion risk if the battery terminals are short circuited, when connecting/dis-connecting 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.



1.7. Vibrations (where applicable).

1.7.1. 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.

1.7.2. 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 the white finger and carpal tunnel syndrome:

1.7.2.1. Wear gloves and keep your hands warm

1.7.2.2. Take regular breaks

1.7.3. All of the above precautions may help reduce the risk of white finger disease but not rule out 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.

1.8. Noise (where applicable).

1.8.1. 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 hearing protection because your ability to hear alarm warnings will be reduced.

1.8.2. 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.

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



1.9. Machine specific safety.

1.9.1. The machine is primarily designed as a self-propelled variable speed leaf shredder and vacuum. It should only be used to shred and vacuum leaves and light particles it should not be used for any other purpose. It is light-weight, with specially designed "Silent Wings" fan.

1.9.2. ONLY one person at a time should operate the machine, and the user of this machine MUST be over 18 years of age.

1.9.3. The machine should be used on surfaces that will support its weight and should not be used on slopes greater than 10°. Using on steeper slope may cause the machine to topple and cause injury to the user

1.9.4. The user MUST wear safety gloves, ear-protection and safety goggles - not supplied with machine.

1.9.5. Read this operator's manual carefully. Be thoroughly familiar with the controls and the proper use of the machine before starting work.

1.9.6. NEVER allow children to operate the machine. Local regulations may restrict the age of the operator.

1.9.7.. NEVER allow adults unfamiliar with these instructions to operate the machine.

1.9.8. NEVER use the machine while people (especially children) or pets are nearby. You MUST STOP the machine if anyone enters the work area.

1.9.9. Keep children out of the work area and under the watchful care of a responsible adult.

1.9.10. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

1.9.11. See the manufacturer's instructions for proper operation and installation of accessories. Use only the accessories that are supplied and approved by the manufacturer.

2. QUICK START

You can also check out our online video at www.youtube.com/hyundaipowerequip.co.uk

2.1. This guide is meant to serve as a quick reference for operating your Hyundai Leaf shredder vacuum it is for convenience and the user should read the safety section first.

FOR OUTDOOR USE ONLY.

This Leaf shredder vacuum produces carbon monoxide - a poisonous, colourless & odourless gas that can cause death or serious injury. Petrol is highly flammable, always handle with extreme care and in a well ventilated area.

Always remove HT lead from spark plug when checking machine or changing parts.

2.2. This product includes, Main unit, Engine manual, User manual, Collection bag, Vacuum snout, 2.9M hose, Ventilation pipe, Vacuum pipe/handle assembly, Vacuum pipe connecting base, Handle assembly, Hardware bag, Spark plug box spanner/tee bar, Left connect rod, Left connecting tube, Right connect rod, Right connecting tube,

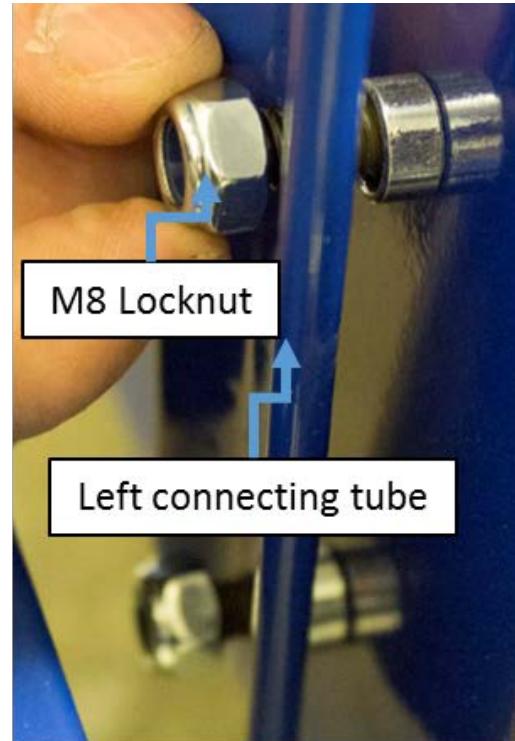
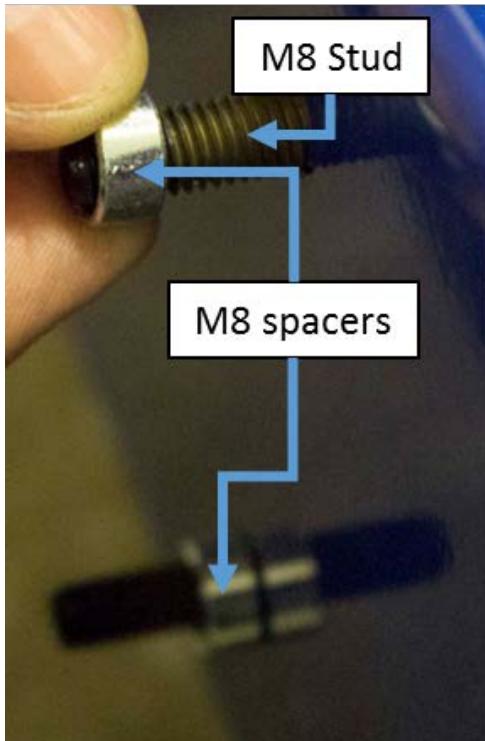
2.3. At this point, check that you have all of the included items listed above. If any are missing or damaged, call 01646 687 880 or email info@hyundaipowerequipment.co.uk.

2.4. Handle bar assembly.

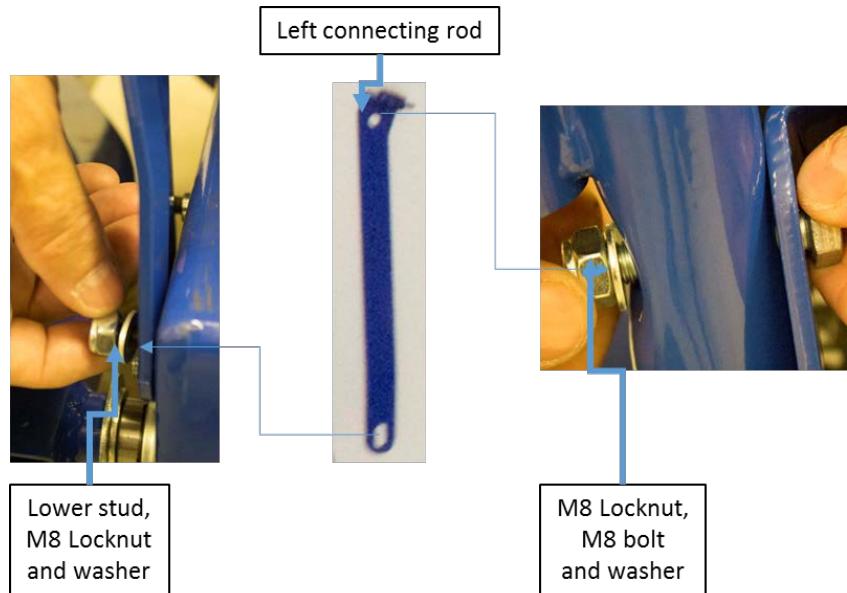
2.4.1. Left handle connecting tube assembly. Parts required, left connecting rod, Left connecting tube, 2 x M8 spacers and 3 x M8 nylon lock nuts, 1 x M8 40 bolt, 2 x M8 flat washer.

Take two of the M8 spacers and put them over the two M8 studs on the left hand lower side of frame, then place the left connecting tube over the studs and secure into place using two of the M8 locknuts.

Do not overtighten. Repeat process for right connecting rod.

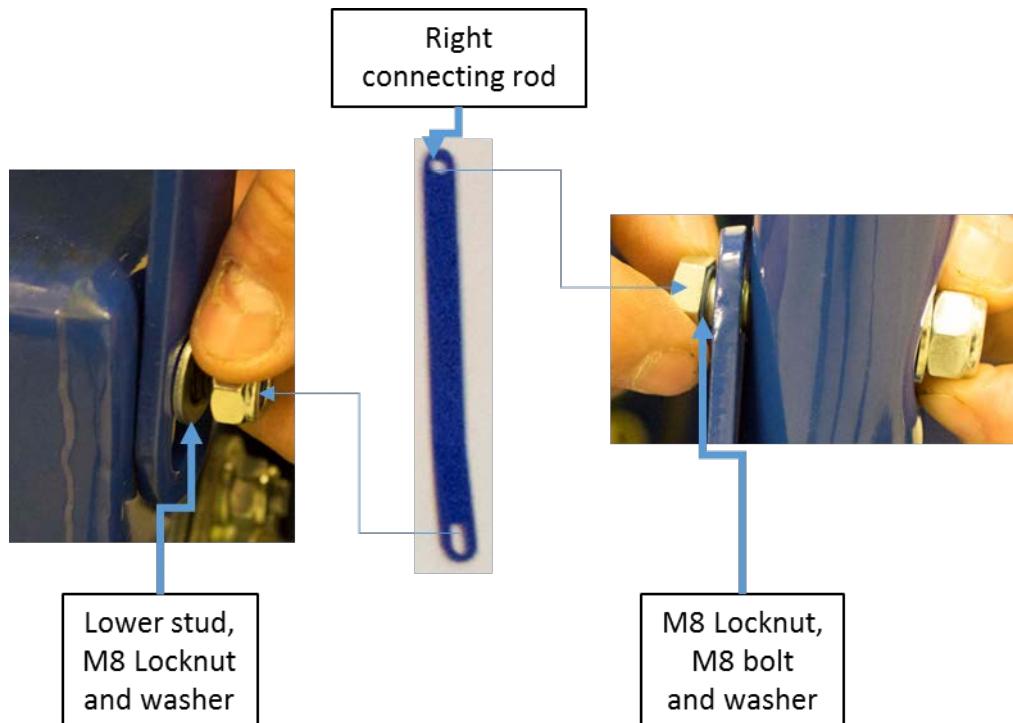


Take left connecting rod and place it onto the rear lower stud and fix into place using a M8 locknut. Push an M8 bolt through the hole at the top end of the connecting rod through the frame and then secure into place using a M8 locknut – DO NOT overtighten. See 2.4.3.



2.4.2. Right handle connecting tube assembly. Parts required, left connecting rod, Left connecting tube, 2 x M8 spacers and 3 x M8 nylon lock nuts, 1 x M8 40 bolt, 2 x M8 flat washer.

Take right connecting rod and place it onto the rear lower stud and fix into place using a M8 locknut. Push an M8 bolt through the hole at the top end of the connecting rod through the frame and then secure into place using a M8 locknut – DO NOT overtighten. See 2.4.3.



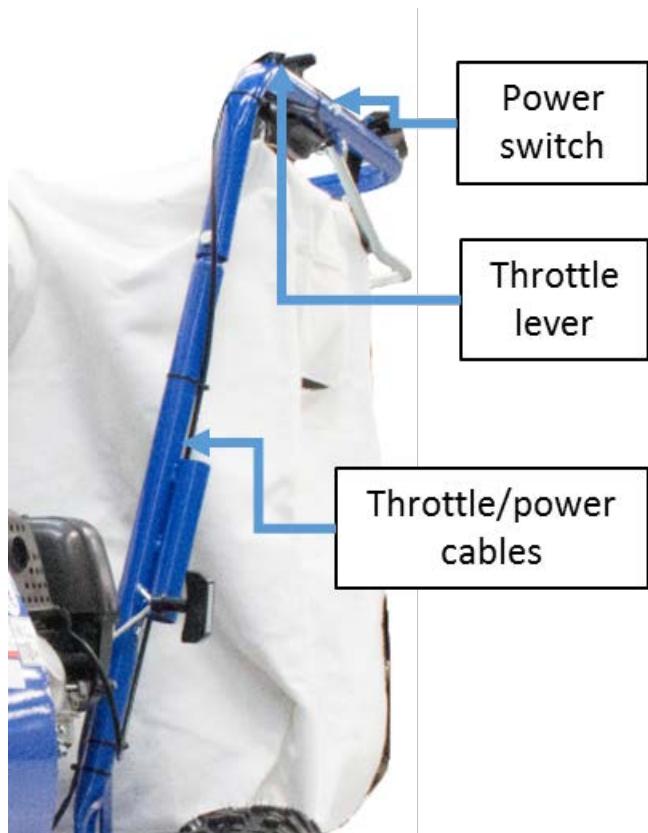
2.4.3. Handle bar assembly. Parts required Handle bar,

Push handle bar assembly over the Left/Right connecting tube and fix into place using 2 x M8/45 bolts, 2 x M8 lock nuts and 2 x M8 flat washers. Once handlebar and all connecting rod/tubes are fitted tighten all nuts/bolts.

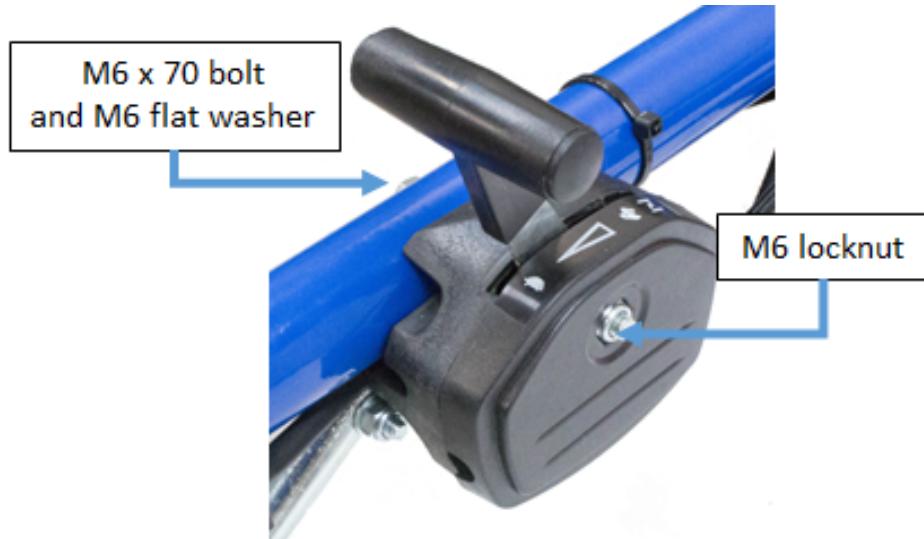


2.4.5. Attaching throttle lever & power switch.

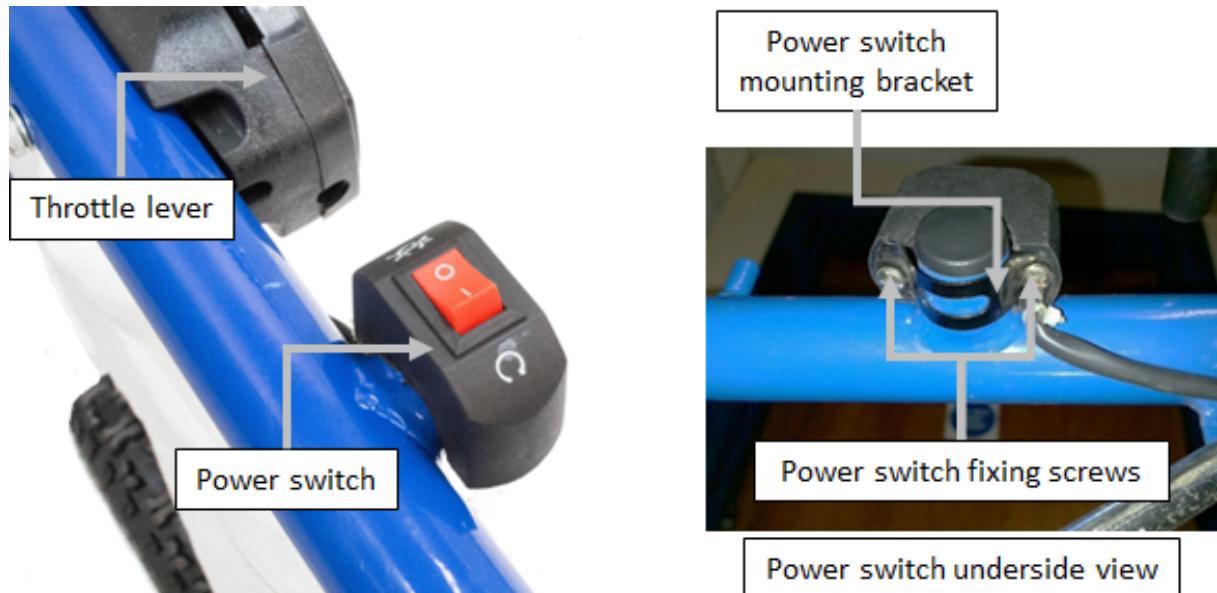
Carefully release all cables from the machine. Then feed the cable attached to the Throttle lever and Power switch to the Left hand (viewed from rear of machine) side of the Handle bar.
DO NOT secure cables until Throttle lever and Power switch have been mounted.



To secure the throttle lever pass the M6 x 70 bolt through a M6 flat washer then through the handle bar and throttle lever secure into place using a M6 locknut. The locknut will fit into the hexagonal hole in the throttle lever casing. Tighten until fully secure but DO NOT overtighten.

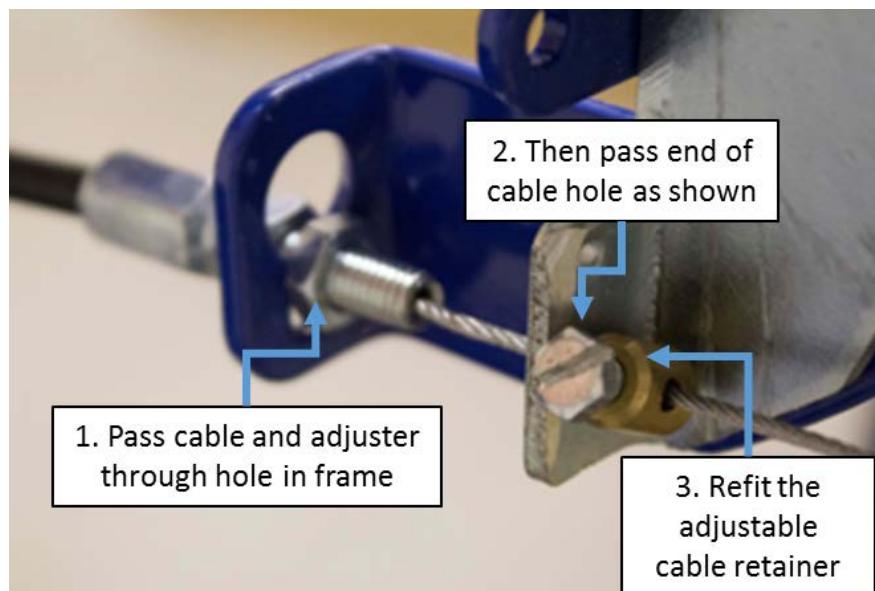
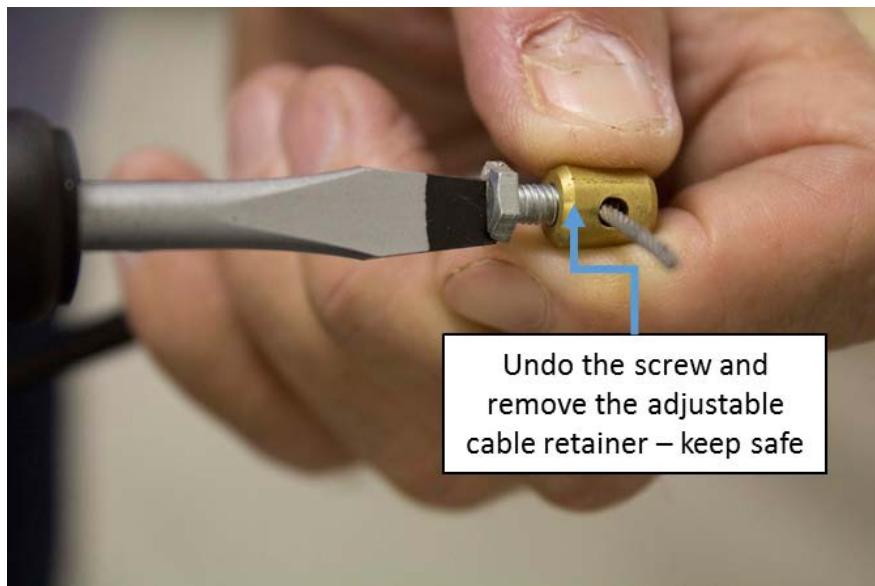


To fit the power switch first undo the two fixing screws on the mounting bracket, then slip the switch onto the mounting pipe behind the throttle lever. Once positioned correctly tighten the two fixing screws. When both throttle lever and power switch have been mounted secure the cables using cable ties.

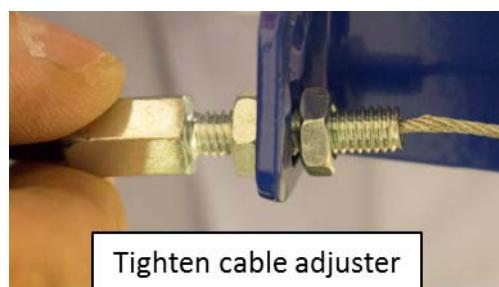


2.4.6. Fitting the traction control lever.

The traction control cable needs to be connected to the traction control lever. To do this carefully release the cable from the machine and run it up the right hand side of the handlebar as viewed from the rear of machine. Connect it as shown below.



Tighten the adjuster in place and pull spare traction control cable then fully secure the cable retainer. This may need to be adjusted when the machine is first used and will be covered in Chapter 3 STARTING PROCEDURE.



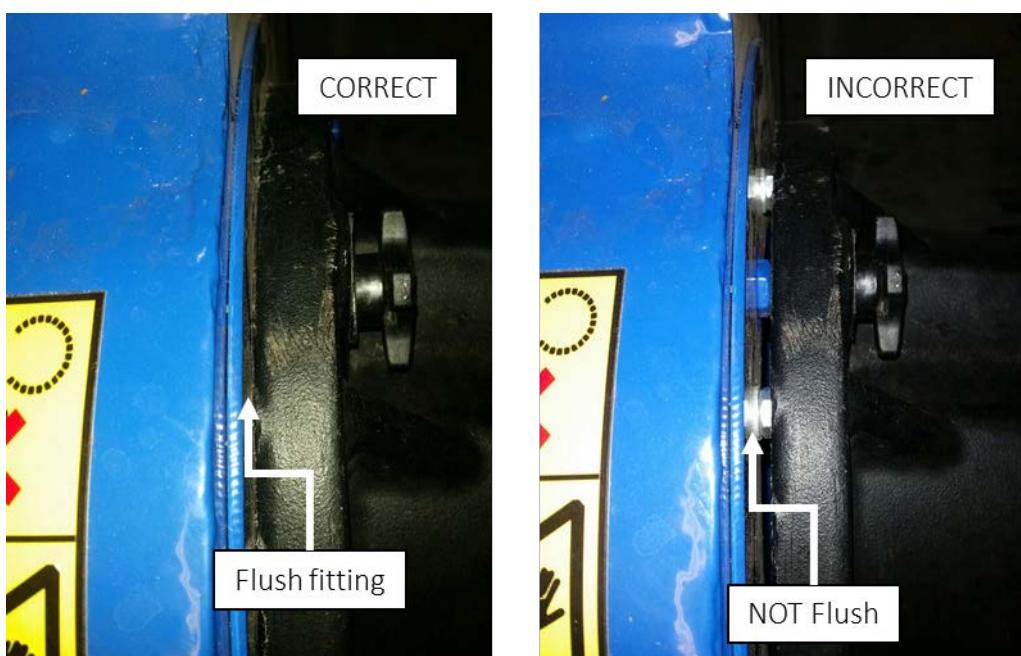
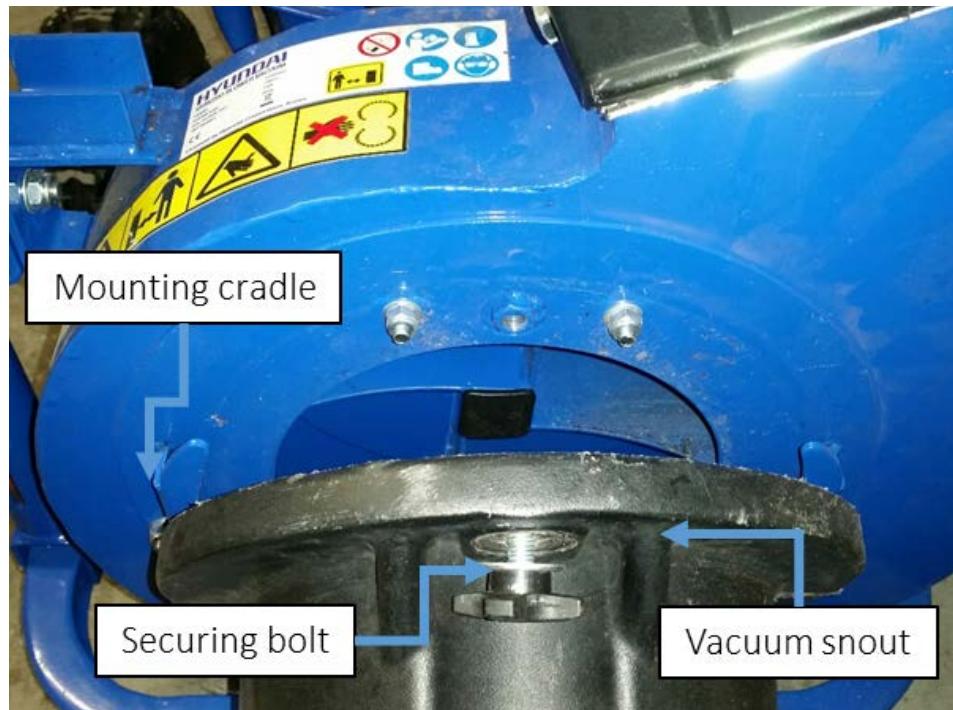
2.5. Fitting the vacuum attachments.

2.5.1. Vacuum snout assembly.

⚠️ WARNING

YOU MUST STOP the engine before fitting the Vacuum snout or the Vacuum hose attachment.

Lift the Vacuum snout and slot it into the mounting cradle, align the securing bolt with the threaded hole in the fan casing. Make sure that the Edge of the snout is flush with the fan casing.

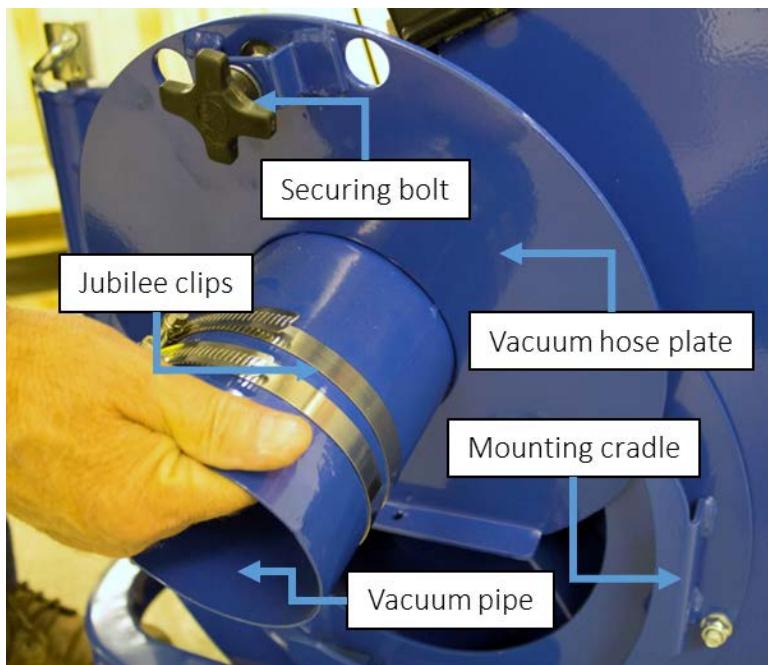


2.5.2. Vacuum hose assembly.

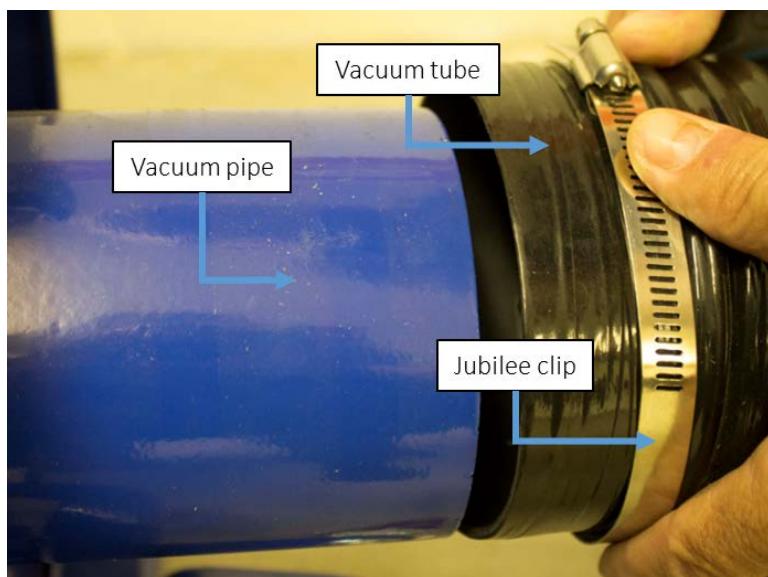
⚠️ WARNING

YOU MUST STOP the engine before fitting the Vacuum snout or the Vacuum hose attachment.

Undo the securing bolt of the Vacuum snout and remove from the mounting cradle. For first time only lift the vacuum hose plate and fit into the mounting cradle as with the vacuum snout. Securely fit the vacuum hose plate, then remove the two jubilee clips and keep the safe.

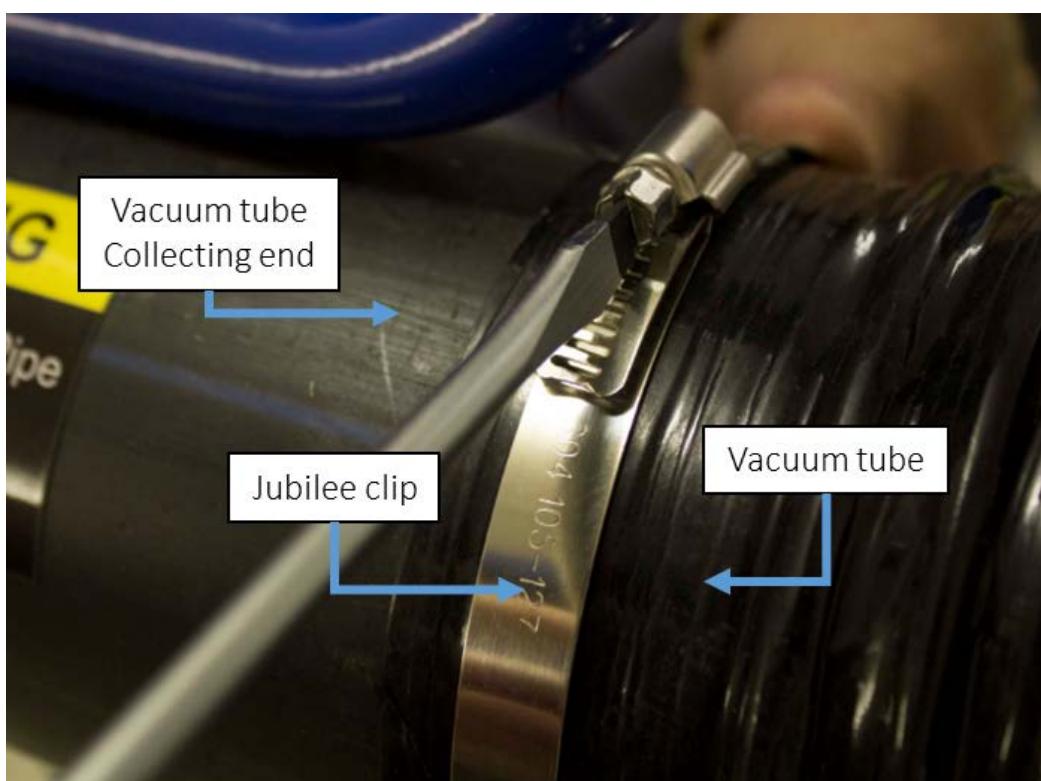
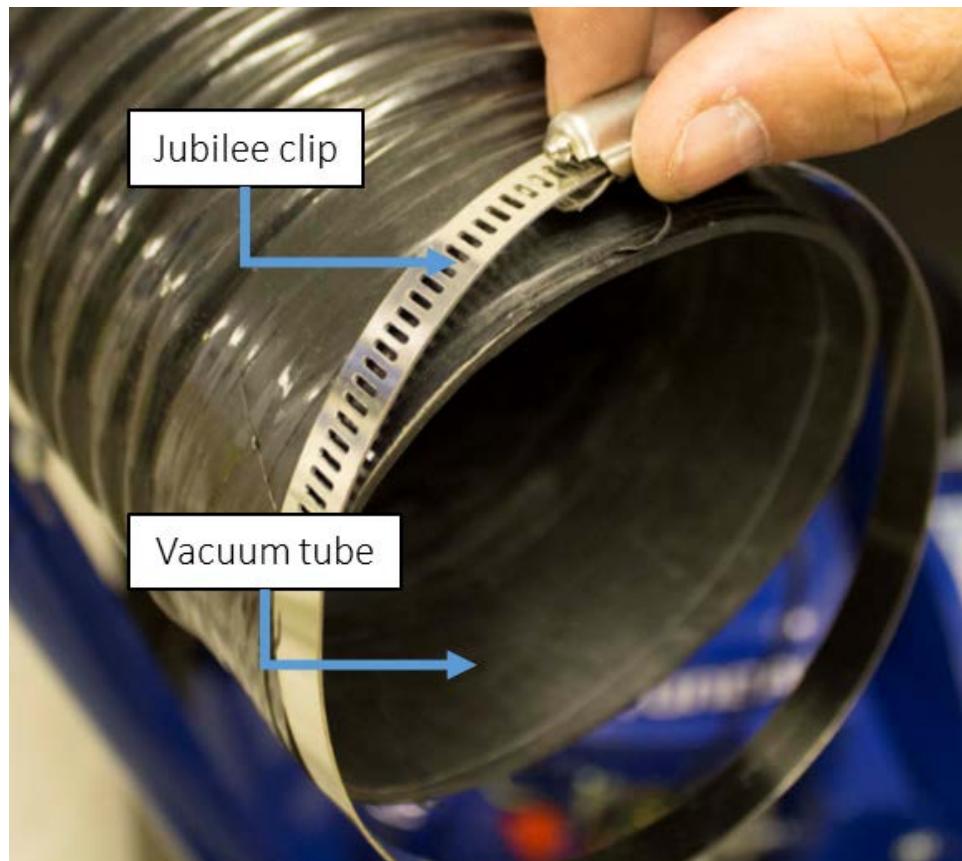


Take one of the jubilee clips undo the screw until the jubilee clips passes freely over the vacuum tube end then pass the tube over the end of the vacuum pipe fully tighten the jubilee clip.



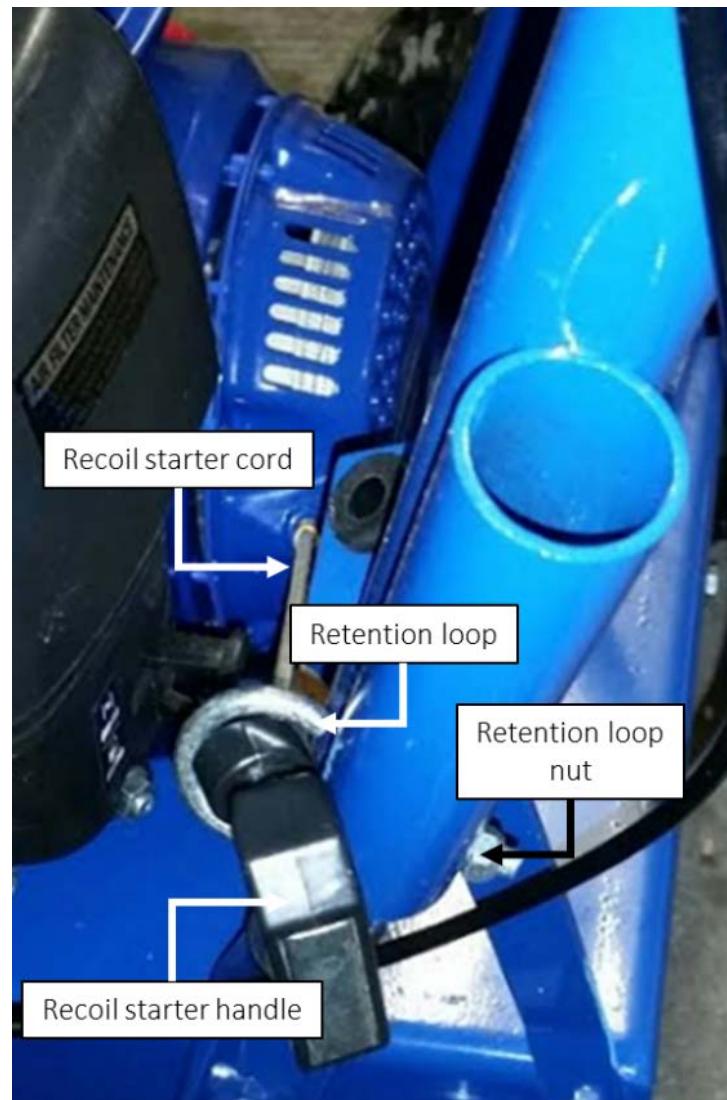
Take one of the jubilee clips undo the screw until the jubilee clips passes freely over the vacuum tube end then pass the tube over the end of the vacuum tube collecting end then fully

tighten the jubilee clip.



2.6. Recoil starter handle.

Slowly pull the recoil starter handle and slip the cord in the retention loop on the handle once this has been done you fully secure the loop.



2.7. Fitting the collection bag.

⚠️ WARNING

YOU MUST STOP the engine before fitting or emptying the collection bag. NEVER operate machine with collection bag removed.

Unfold the collection bag and hang it onto the handle bar frame hooks. Pass the collection bag vacuum sleeve over the discharge chute and secure into place using Velcro strap.

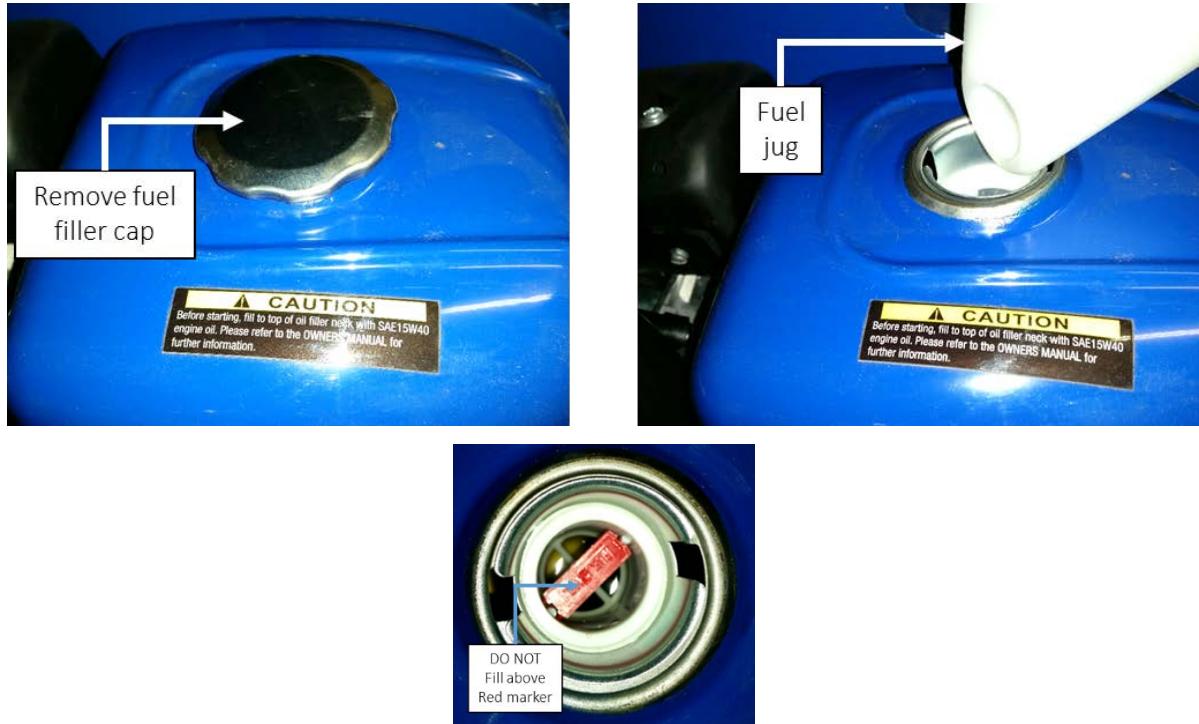


2.8. Adding fuel.

⚠️ WARNING

DO NOT fuel/de-fuel a warm/hot engine. You must observe all fuel safety precautions.

Unscrew the fuel tank cap and carefully add a fuel. DO NOT overfill fill to below RED marker. Once full replace and correctly tighten the fuel cap. You MUST use fresh unleaded petrol.



2.9. Adding oil.

Undo and remove the oil filler cap/dipstick and fill with SAE15W30 oil – fill to the upper limit of the thread. DO NOT overfill. Once full securely replace the oil filler cap/dipstick.



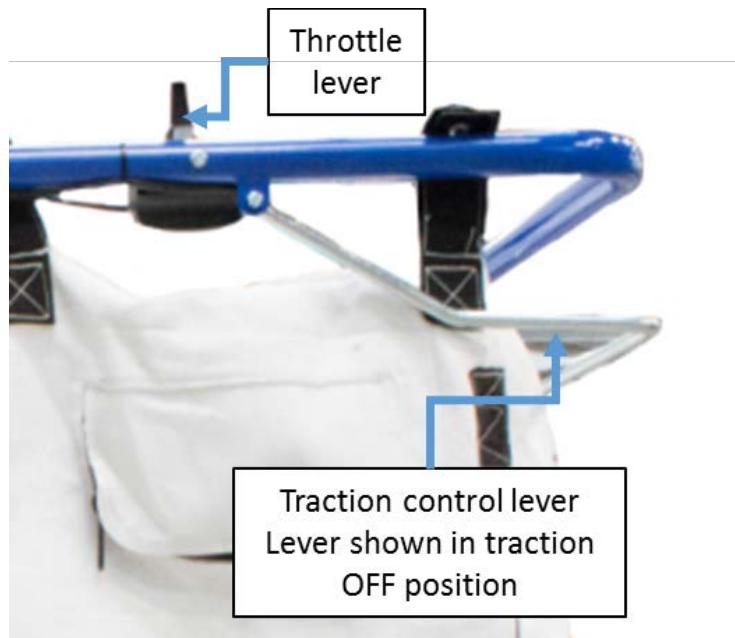
3. STARTING PROCEDURE

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

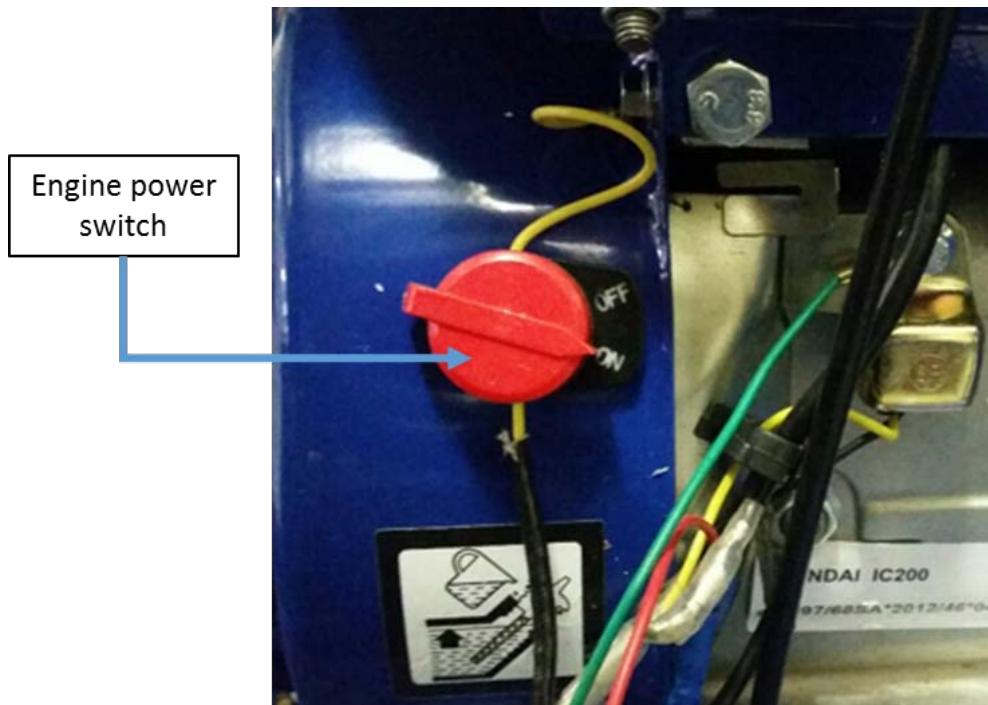
Fill with SAE15W40 oil and fresh unleaded petrol. Make sure the fuel and oil caps are secure –

See section 2.8./2.9.

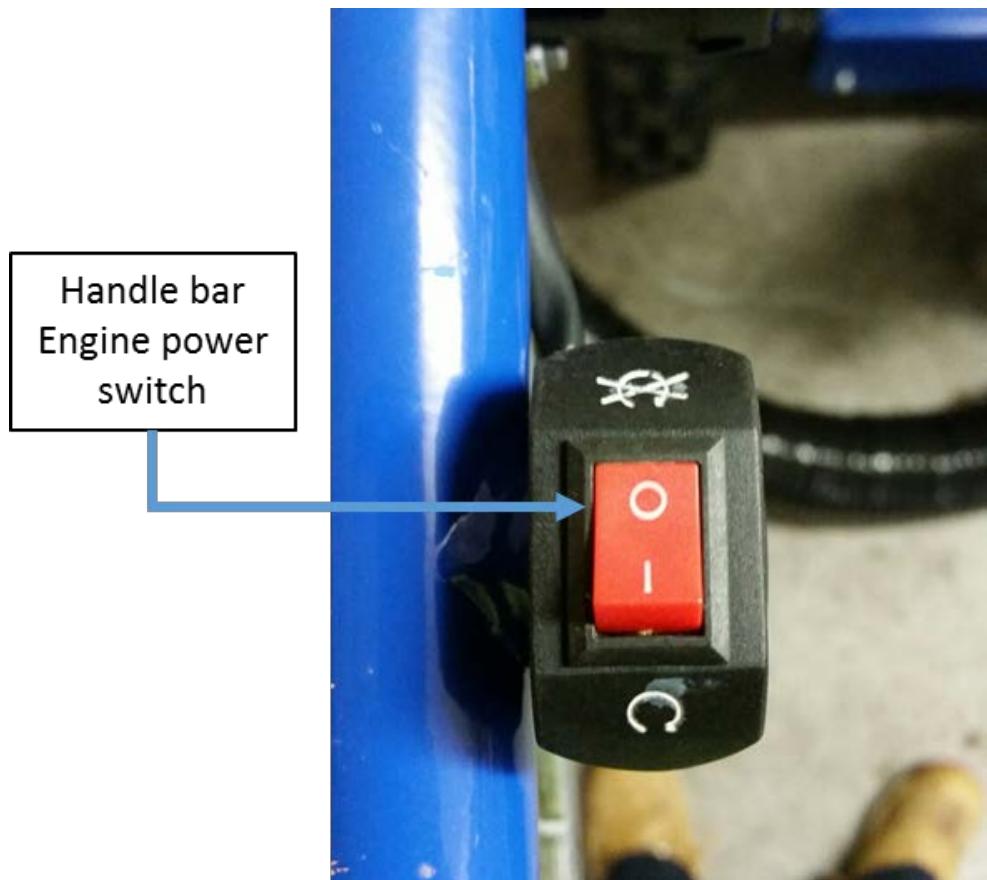
DO NOT operate the traction control lever.



Set the power switch on the engine to the ON position



Set the power switch on the left side of the handle bar to the ON position.



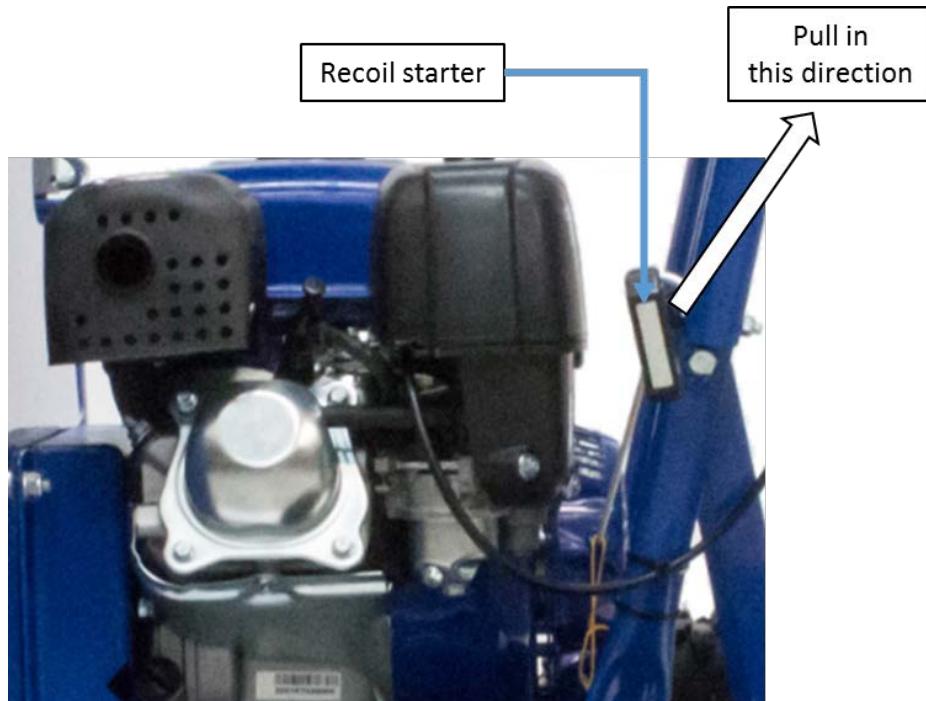
For COLD start move choke lever left to START position.

Turn the fuel tap right to the ON position.

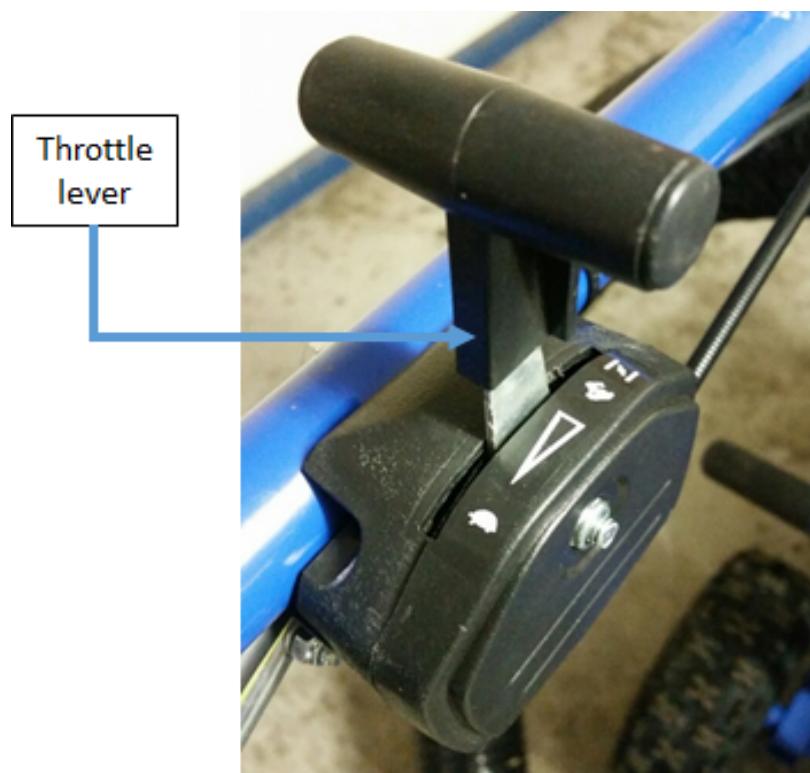
N.B. For a WARM/HOT start you will not need to do this.



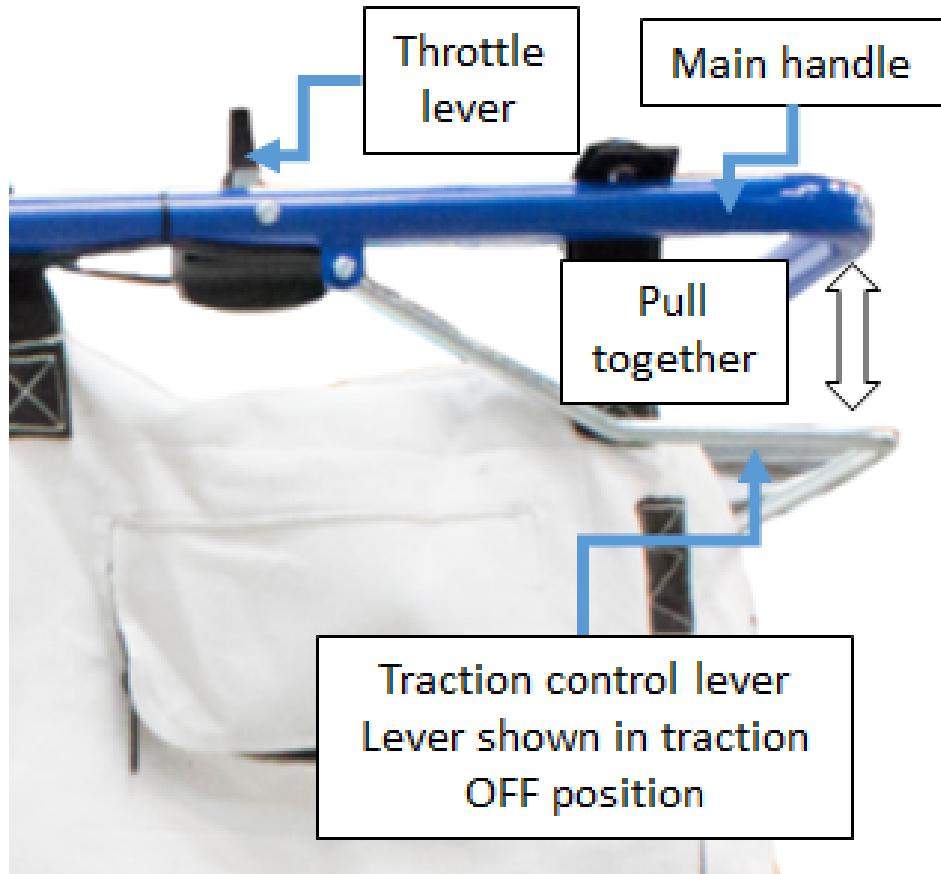
Place one hand on the machine, and using the other hand pull the recoil until you feel a resistance, then pull briskly. Repeat until machine starts. DO NOT let go of the recoil handle instead allow the engine has started you need to reduce the choke by slowly moving lever to the right to the RUN position if engine falters move choke between START/RUN positions and adjust until engine runs smoothly.



Once the engine has been started and allowed to warm up you can use the throttle lever to accelerate the engine speed.



Once the engine has been started and allowed to warm up you can use the throttle lever to accelerate the engine speed. To move the machine forward pull the traction control lever towards the main handle.

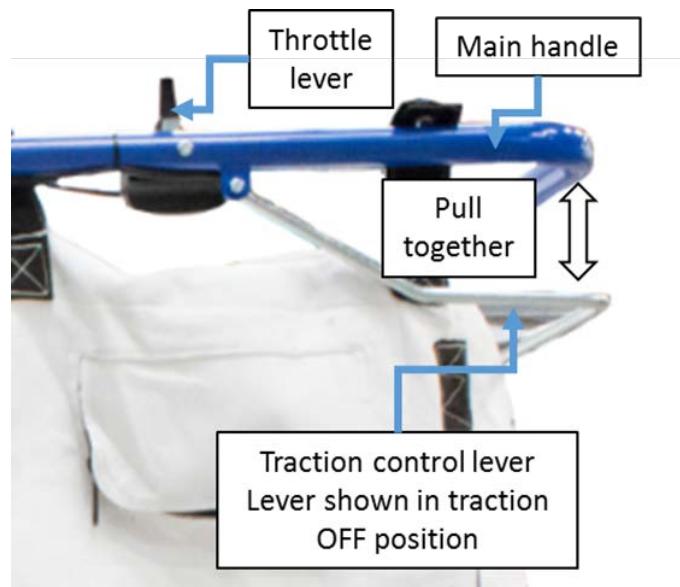


4. STOPPING PROCEDURE

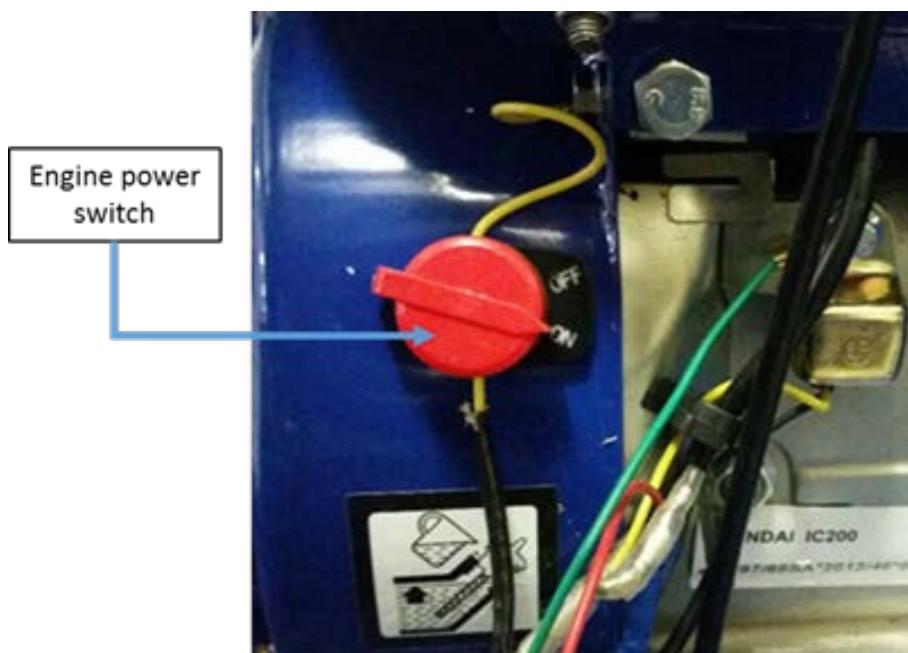
4.1. Before stopping the machine allow the engine to cool down for a few minutes, by allowing it to run without throttle.

4.2. You MUST allow the cutting head to come to a full stop before carrying out any maintenance on the machine.

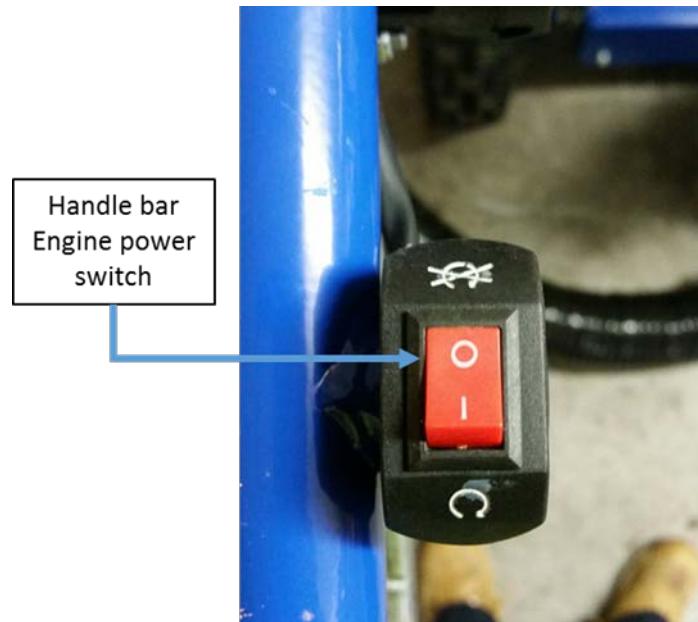
To STOP the machine release the traction control lever.



Allow the machine to cool down with no throttle. Turn the engine power switch to the OFF position.



Turn the handle bar engine power switch to OFF.



Turn the fuel tap to OFF.
If not already in OFF position move the choke to the OFF position.



5. USING THE MACHINE

You MUST STOP using the machine if any of the following occur.

- The engine speed changes with no control.
- In case of misfire
- In case of high vibration.
- When flames or smoke appear.
- In rain or stormy weather.

CAUTION

If you are not familiar with this type of machine you should practice in a safe place.

DO NOT attempt to lift the machine while the engine is running.

5.1. Accessories.

5.1.2. Make sure that your product is only equipped with original accessories. Only use the machine with original parts which are specified by the manufacturer. The use of any other accessories may cause injury to the user and damage to the machine.

5.1.3. The machine can be used in one of two modes. Mode one vacuum snout or mode two or the vacuum hose attachment.

Mode on is ideal for picking up leaves and similar debris on flat level surface. The hose attachment is ideal for vacuuming leaves and similar debris from hard to reach areas such as in and around flower beds.

5.2. Preparing for use.

CAUTION

You MUST Dis-engage the traction drive lever before starting the engine.

5.2.1. You MUST always wear safety boots/shoes and long trousers. DO NOT operate the machine when barefoot or while wearing open sandals.

5.2.2. Always wear safety goggles or safety glasses with side shields when operating the machine.

WARNING

5.2.3. Before using you MUST visually inspect the machine for wear and signs of damage. NEVER use a machine that has any damaged or missing parts. Before use you MUST replace all worn and damaged parts.

5.3. Operating the machine.

5.3.1. DO NOT operate the engine in a confined space where dangerous carbon monoxide fumes can collect.

5.3.2. Operate only in daylight or in good artificial light.

5.3.3. You MUST always maintain good footing. When using the machine you MUST always walk and NEVER run.

5.3.4. You MUST maintain a firm hold of the handles and controls.

5.3.5. DO NOT operate on slopes greater than 10° - Exercise caution when changing direction on slopes. DO NOT operate near drop-offs, ditches, or embankments. Slip hazard - DO NOT operate on wet grass.

5.3.6. DO NOT put your hands or feet near or under the snout or suction hose.

5.3.7. You MUST STOP the engine, disconnect the HT lead and wait for the impeller to come to a full stop before you carry out any of the following;

- Before re-fueling.
- Before clearing any blockages.
- Before checking, cleaning or working on the machine.
- Whenever you leave the machine.
- Before you empty the collection bag.

5.3.8. If the machine should start to vibrate abnormally, stop the engine and check for the cause. Vibration is generally a warning of trouble.

6. MAINTENANCE

WARNING

Always stop the engine and unplug the spark plug before doing any repairs or maintenance. Never touch the rotating nylon cord or blade.

Check and maintain fuel level regularly, and maintain the fuel/oil mix to the correct ratio. Frequently check the Leaf shredder vacuum and make sure that all deposits are removed from the snout and hose assembly.

At regular intervals, check the tightness of all nuts, bolts and screws.

If the blade hits an obstacle check for damage and if the machine vibrates badly stop the lawnmower and take it to a service dealer.

CAUTION

Always refuel in a well-ventilated area with the engine off and 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.

ITEM	PROCESS	PERIOD				
		Each use	After 1 month or 20 hours	Every 3 months or 50 hours	Every 6 months or 100 hours	Every 12 months or 300 hours
Engine oil	Check level	#				
	Change		#		#	
Air filter	Check	#				
	Clean			#*		
Carburetor sediment cup	Replace					#*
Spark plug	Clean				#	
Fuel tank & fuel filter	Check/Adjust				#	
	Replace					#
Fuel pipes	Clean	Every two years – replace as required				
All nuts, bolts, cables controls	Check that all nuts & bolts are tight. Control cables clear and not damaged	#				
* = Increase maintenance intervals if operating in dusty environments.						

6.1. Air filter.

⚠ CAUTION

Never let the engine run without the air filter being fitted. A dirty air filter element affects the engine performance, increases fuel consumption and makes it difficult to start. If you notice a loss of engine power, check the air filter.

You MUST make sure that the housing is free of dust and debris DO NOT allow any dust or debris to enter the carburetor.

6.1.1. Remove the air filter cover by unscrewing the air filter cover wingnut in an anticlockwise direction, carefully remove the cover.

6.1.2. Once the air filter cover has been removed you can undo the air filter retaining wingnut, metal washer and plastic washer. Remove the Paper/Foam filter element. If it is damaged replace it. Otherwise tap the filter to remove dust particles. Blow the remaining debris from the filter using a low pressure airline. Blow from inside the filter outwards filter element in warm soapy water rinse with clean water. Before replacing allow filter element to fully air dry.

N.B. To reinstate the filter assembly reverse the above process.



6.2. Spark plug.

WARNING

The spark plug MUST be fully tightened otherwise the engine will overheat causing damage. Always complete the following steps after the engine has been turned off and allowed to cool down.

6.2.1. To make sure the engine runs correctly a spark plug gap of 0.6 - 0.7 mm must be maintained and the spark plug must be free of carbon deposits.

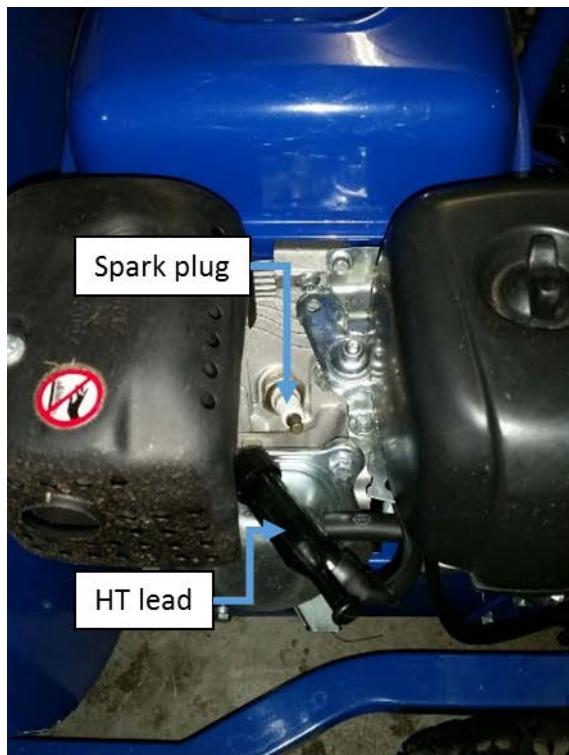
6.2.1. To remove the spark pull off the HT lead and then undo the spark plug using the supplied box spanner/T bar in an anti-clockwise direction.

6.2.3. Once the plug has been removed check it for visual damage, electrode wear and carbon deposits. Replace a damaged or badly worn spark plug. Clean off any carbon deposits by using a soft brass brush.

6.2.4. Check the gap with a feeler gauge and adjust electrode at the correct gap of 0.6 -0.7 mm.

6.2.5. Check the spark plug washer for damage and replace if required.

6.2.6. Refit the spark plug by hand to make sure it does not cross thread, tighten the spark plug to a torque of 12/15Nm.

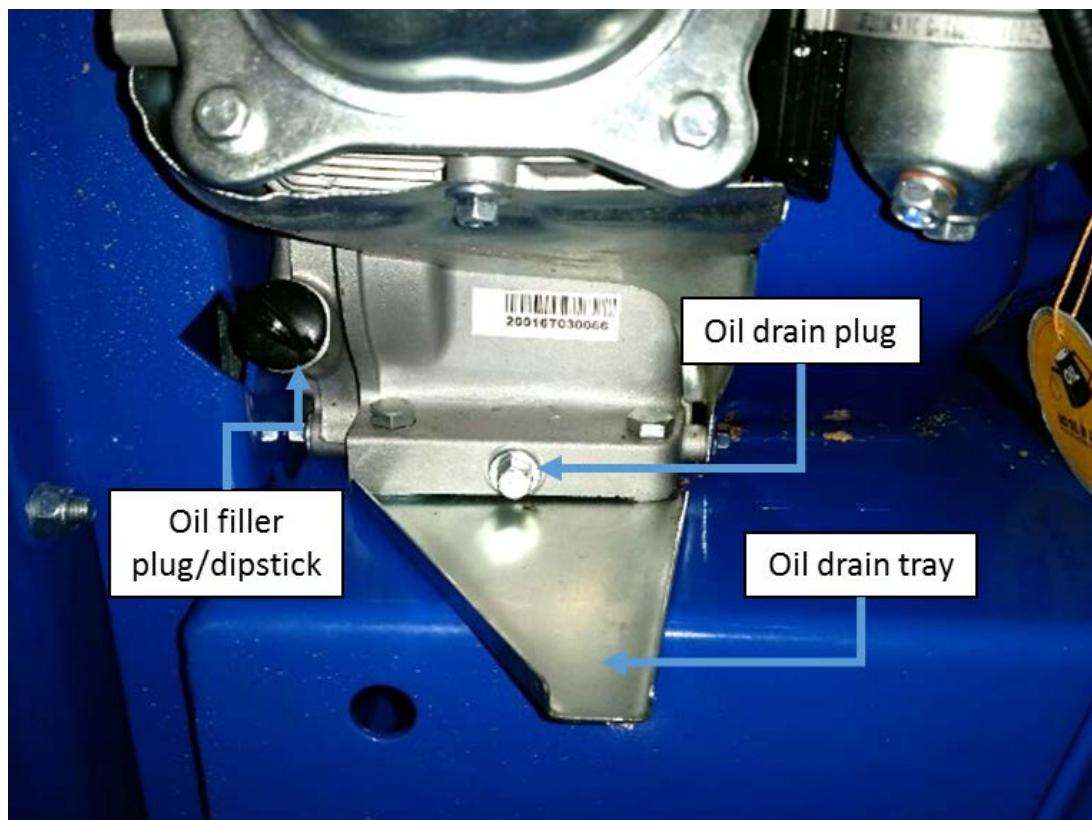


6.3. Engine oil.

⚠ CAUTION

Risk of burn injury from HOT engine and HOT oil – allow engine/oil to cool down before topping up or replacing oil.

- 6.3.1. Drain the used oil while the engine is warm. Warm oil drains quickly.
- 6.3.2. Place a suitable container under the oil drain tray to catch the use oil. Remove the filler cap/dipstick and the drain plug.
- 6.3.3. Wait until all of the oil has drained from the engine. Once all oil is drained check the drain plug washer and replace if damaged. Replace the drain plug by hand to prevent cross threading then fully tighten.
- 6.3.4. DO NOT dispose of used motor oil in a manner that is incompatible with the environment. We suggest you take used oil in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the domestic waste, pour it on the ground or down a drain.
- 6.3.5. With engine/machine on level ground fill to the outer edge of the oil filler hole with SAE30W40 oil. DO NOT overfill with oil.
- 6.3.6. Screw the filler cap/dipstick securely.
- 6.3.7. Clean up any spilt oil and oil on the oil drain tray.



6.4. Fuel sediment cup.

6.4.1. Debris can collect in the sediment cup stopping fuel flow. So it is important that it is checked after six months or 100 hours of use.

6.4.2. Turn the fuel tap to the OFF position.

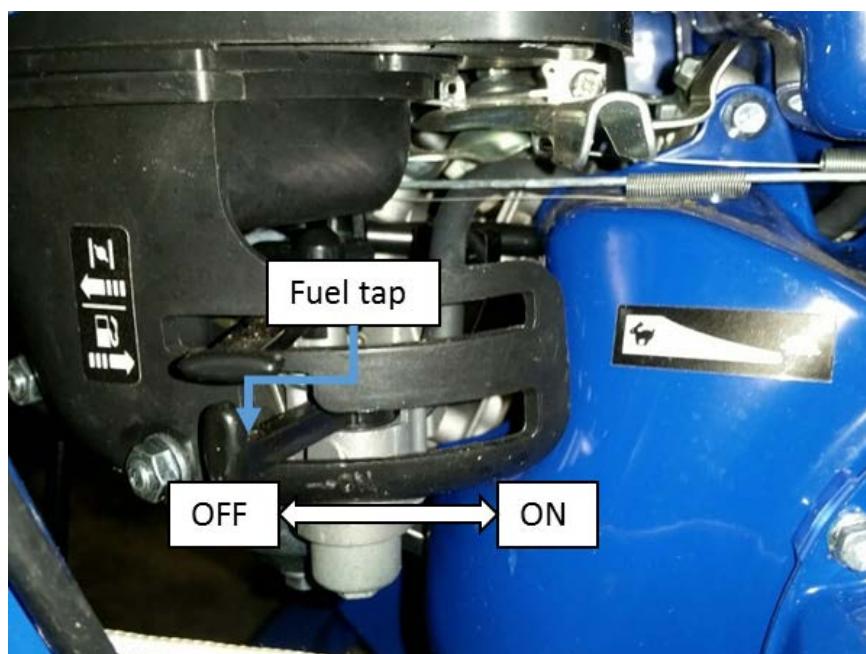
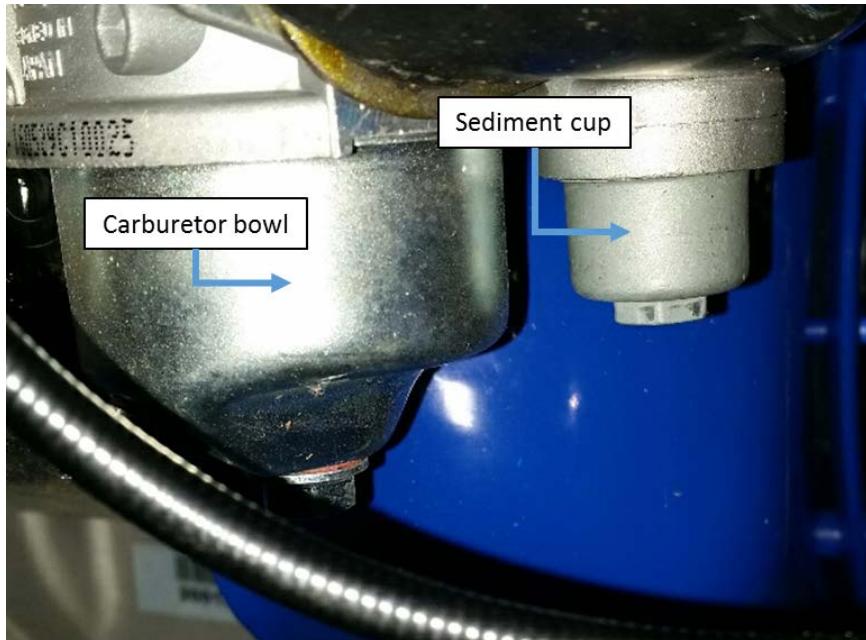
6.4.3. Undo the sediment cup in an anti-clockwise direction and drain excess fuel into a suitable container.

6.4.5. Remove sediment cup and clean the cup using clean fuel.

6.4.7. Once sediment cup is clean you can replace it.

6.4.8. Replace the sediment cup by doing it up in a clockwise direction.

6.4.9. Fill the fuel tank with fresh unleaded petrol and turn the fuel tap ON.



6.4. Storage.

 **WARNING**

If you do not follow these steps, deposit may arise in the carburetor. This will cause starting difficulties and may cause permanent damage.

6.4.1. Perform all the general maintenance that the maintenance section of your 'User Manual' is recommended.

6.4.2. Clean the outside of the machine.

6.4.3. Remove all fuel from the fuel tank as in section 6.4.3. and tipping content into a suitable container. DO NOT use stale fuel/oil mixture in the next season.

6.4.4. After all the fuel has been removed from the fuel tank. Start the engine. Allow the engine to run in idle until engine stops alone. This allows the remaining fuel to be emptied from the carburetor.

6.4.5. Allow the engine to cool down for about five minutes.

6.4.6. Remove the spark plug and pour 1 teaspoon of clean oil into the combustion chamber. Slowly pull the starter rope several times to coat internal components. Replace the spark plug.

6.4.7. Store the machine in a cool, dry place away from any source of ignition such as an oil burner, water heater etc.

6.5. Transporting the machine.

6.5.1. When transporting the machine make sure that no fuel is allowed to leak out.

6.5.2. DO NOT allow the Leaf shredder vacuum to come into contact with persons, animals and property.

7. TROUBLESHOOTING

CAUTION

7.1. If troubleshooting does not solve the problem, contact your dealer or the manufacturer directly. Use only original parts approved by the manufacturer, otherwise a hazard risk arises.

ENGINE WILL NOT START

Possible causes;

1. Fuel valve OFF.
2. Choke in OPEN position.
3. Engine switch is in OFF position.
4. Handle bar engine power switch is in OFF position.
5. Poor quality fuel; engine stored without treating or draining petrol, or refueled with bad petrol.
6. Spark plug faulty, fouled or improperly gapped.
7. Spark plug wet with fuel – flooded engine.
8. Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck.
9. Faulty switches or associated wiring.
10. Debris in sediment cup preventing fuel flow.

Possible corrective actions;

1. Move fuel lever to ON position.
2. Clean or replace.
3. Move engine switch to ON position.
4. Move handle bar engine power switch to ON position.
5. Drain fuel system and refill with fresh straight unleaded petrol.
6. Remove and inspect spark plug, clean, re-gap or replace. Adjust gap to 0.6 mm to 0.7 mm.
7. Remove and inspect spark plug. Dry and reinstall spark plug restart engine with throttle lever in FAST position.
8. Clean or replace fuel filter otherwise return to dealer for service/repair.
9. Return to dealer for service or repair.
10. Clean debris from sediment cup.

ENGINE LACKS POWER

Possible causes;

1. Air filter element blocked.
2. Poor quality fuel; engine stored without treating or draining petrol, or refueled with bad petrol.
3. Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck.

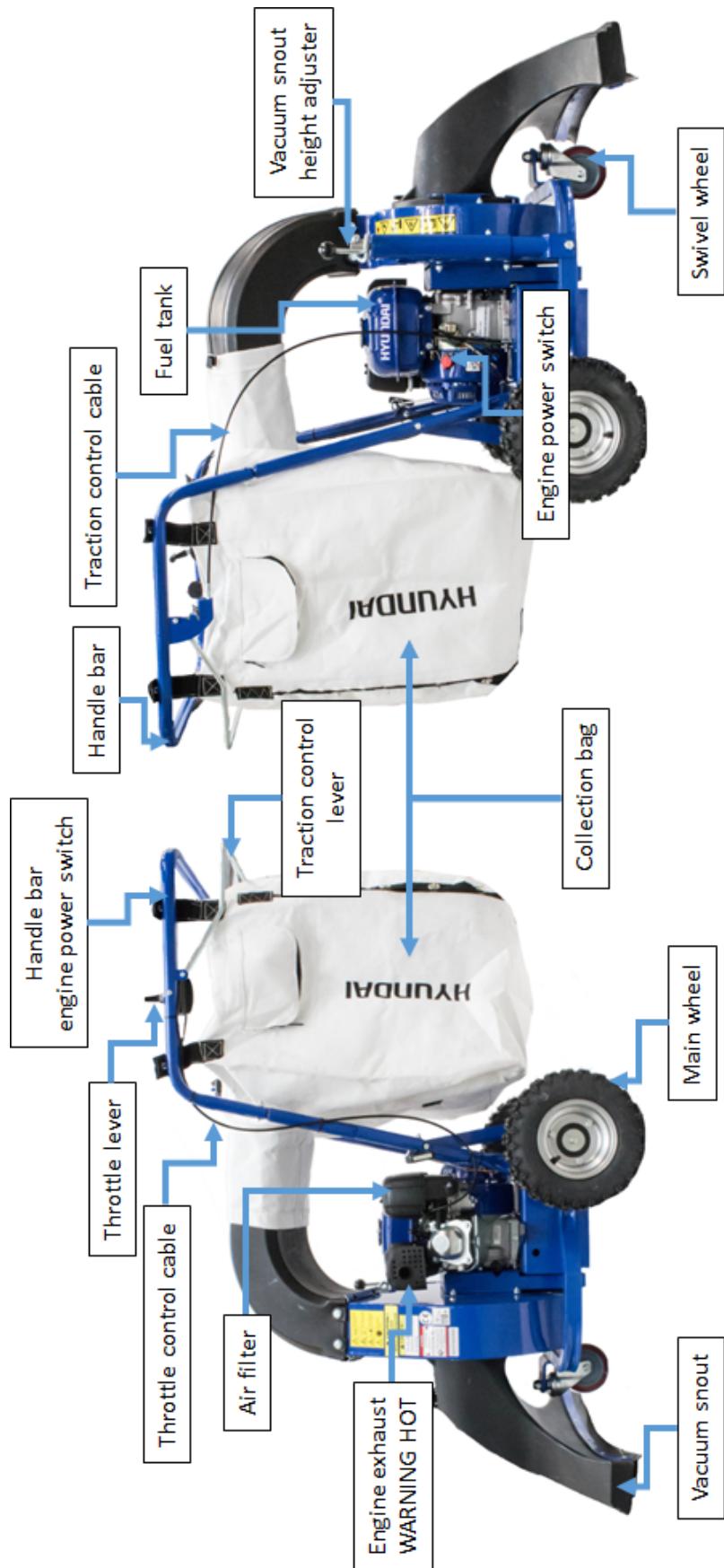
Possible corrective actions;

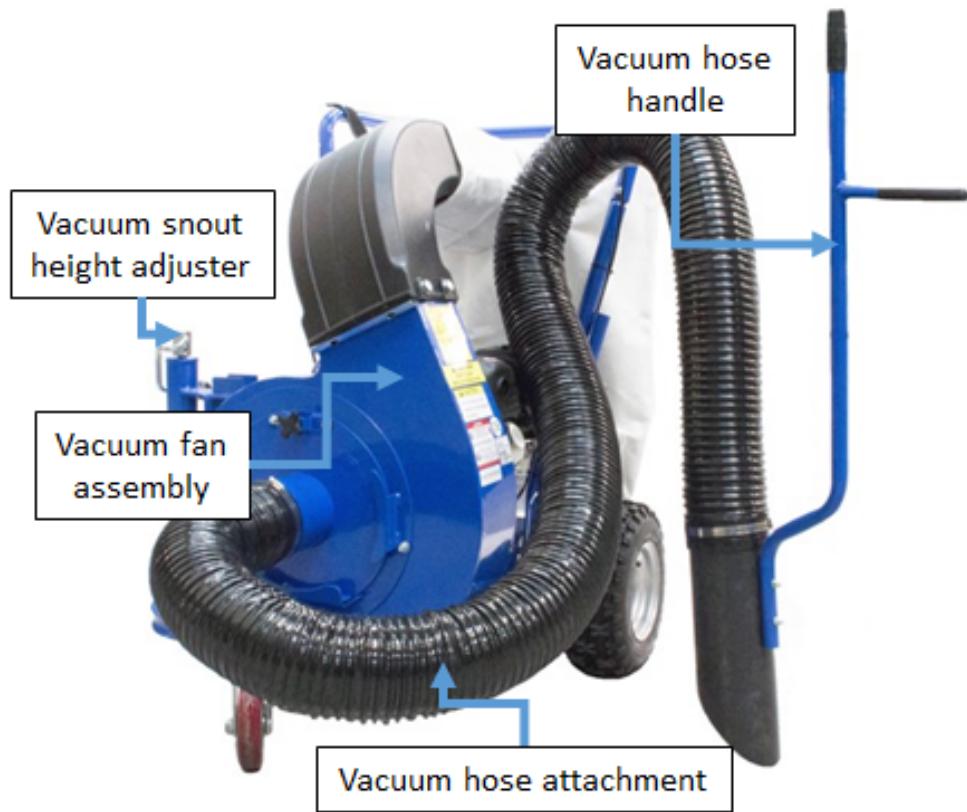
1. Check air filter clean or replace as required.
2. Drain fuel system and refill with fresh straight unleaded petrol.
3. Clean or replace fuel filter otherwise return to dealer for service/repair.

8. SPECIFICATION

MODEL		HYBV200
ENGINE	Engine type	4 stroke OHV single cylinder
	Engine size – cc	196
	Oil capacity – ml	600
	Noise level – dB (A)	107
	Power – kw	4.8
	Start method	Recoil
	Fuel type	Fresh straight unleaded petrol
MACHINE	Fuel tank capacity - l	3.6
	Wheel type/diameter	Pneumatic/381(15)
	Fully assembled dimensions L x W x H - mm	1500 x 800 x 1020
	Dry weight – kg	82
	Snout size – L x W - mm	800 x 102
	Vacuum hose/tube length/diameter - mm	3000 x 110
	Vibration level – m/s ²	6.4

9. PART LOCATIONS





10. DECLARATIONS OF CONFORMITY

Genpower Ltd confirms that these Hyundai products conform to the following CE Directives;
2006/42/EC Machinery Directive
2004/108/EC EMC Directive
2000/14/EC, Amended by 2005/88/EC Noise Emissions Directive
97/68/EC_2010/26/EC NRMM Emissions Directive

EC DECLARATION OF CONFORMITY

The undersigned, as authorised by: **Genpower Ltd**

Declares that the following equipment manufactured under licence by Hyundai Korea

Conforms to the Directive: -
2000/14/EC (as amended)

of the European Parliament and of the council on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors.

Equipment Category: **Garden Machinery**

Product Name/Model: **HYBV200**

Type/Serial No: **Blower vacuum**

Net Installed Power: **4.8 kW**

The technical documentation is kept by: **Kevin Stanley, Genpower Ltd,
Isaac Way, Pembroke Dock, Pembrokeshire, SA72 4RW**

The conformity assessment procedure followed was in accordance with annex V of the Directive.

Testing Body: **China CEPRI (SICHUAN) Laboratory.
45 Wenming Don Road, Longquanyi Chengdu,
610100 P.R.China**

Test report n° **SCC2014500-7-17-10-MD**

Measured Sound Power Level: **110 dB (A)**

Guaranteed Sound Power Level: **110 dB (A)**

A copy of this certificate has been submitted to the European Commission and to EU Member State United Kingdom.

Place of Declaration: **Pembroke Dock, SA72 4RW**

Date: **27th September 2016**

Signed by: **Kevin Stanley**

Position in Company: **Product Manager**

Name and address of manufacturer or Authorised representative:



**Genpower Ltd, Isaac Way,
Pembroke Dock, Pembrokeshire, SA72 4RW**

11. RECYCLING & PRODUCT DISPOSAL

11.1. 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.

11.2. 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 circumstance must any oil and fuel be put down any drains.

11.3. Waste Electrical Electronic Equipment (WEEE) recycling.



11.3.1. Certain products contain WEEE waste which should not be disposed of in your domestic waste.

11.3.2. You MUST recycle WEEE in accordance with your local authority or recycling centre.

11.4. Battery recycling, certain products contain batteries which should not be disposed of in your domestic waste.



11.4.1. You MUST recycle batteries in accordance with your local authority or recycling centre.

11.5. Unwanted packaging materials should be sorted and taken to a recycling centre so it can be disposed of in a manner which is compatible with the environment.

11.6. The following symbol means that you should 'Reduce – Reuse – Recycle'.



11.7. We are a Member of the VALPAK National Compliance scheme and our registration number is **RM08660**.

11.8. For further information about disposal please contact your Local Authority.

11.9. You can also get more advice and guidance about recycling at the following

website <http://www.recycle-more.co.uk>

11.10. Should you pass this product onto 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 the machine safely.

12. CONTACT DETAILS

POSTAL ADDRESS

Genpower Ltd, Isaac Way, London Road, Pembroke Dock, Pembrokeshire, SA72 4RW. UK.

TELEPHONE

+44 (0) 1646 687880

FAX

+44 (0) 1646 686198

TECHNICAL E-MAIL

service@genpower.co.uk

WEBSITE

www.hyundaipowerequipment.co.uk

13. MANUAL UPDATES

13.1. Our manuals are constantly being reviewed and updated. Should you find an error, omission or something you find unclear please contact your dealer for assistance. E&OE.

13.2. Our latest manuals are also placed online.

13.3. We reserve the right to make any modifications without prior notice whenever necessary.

14. WARRANTY

14.1. For specific warranty and warranty exclusions details for your product please visit our Customer services section on our website at www.hyundaipowerequipment.co.uk

If you require a hard copy of Warranty details please contact aftersales on aftersales@genpower.co.uk

**GENPOWER LTD**

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