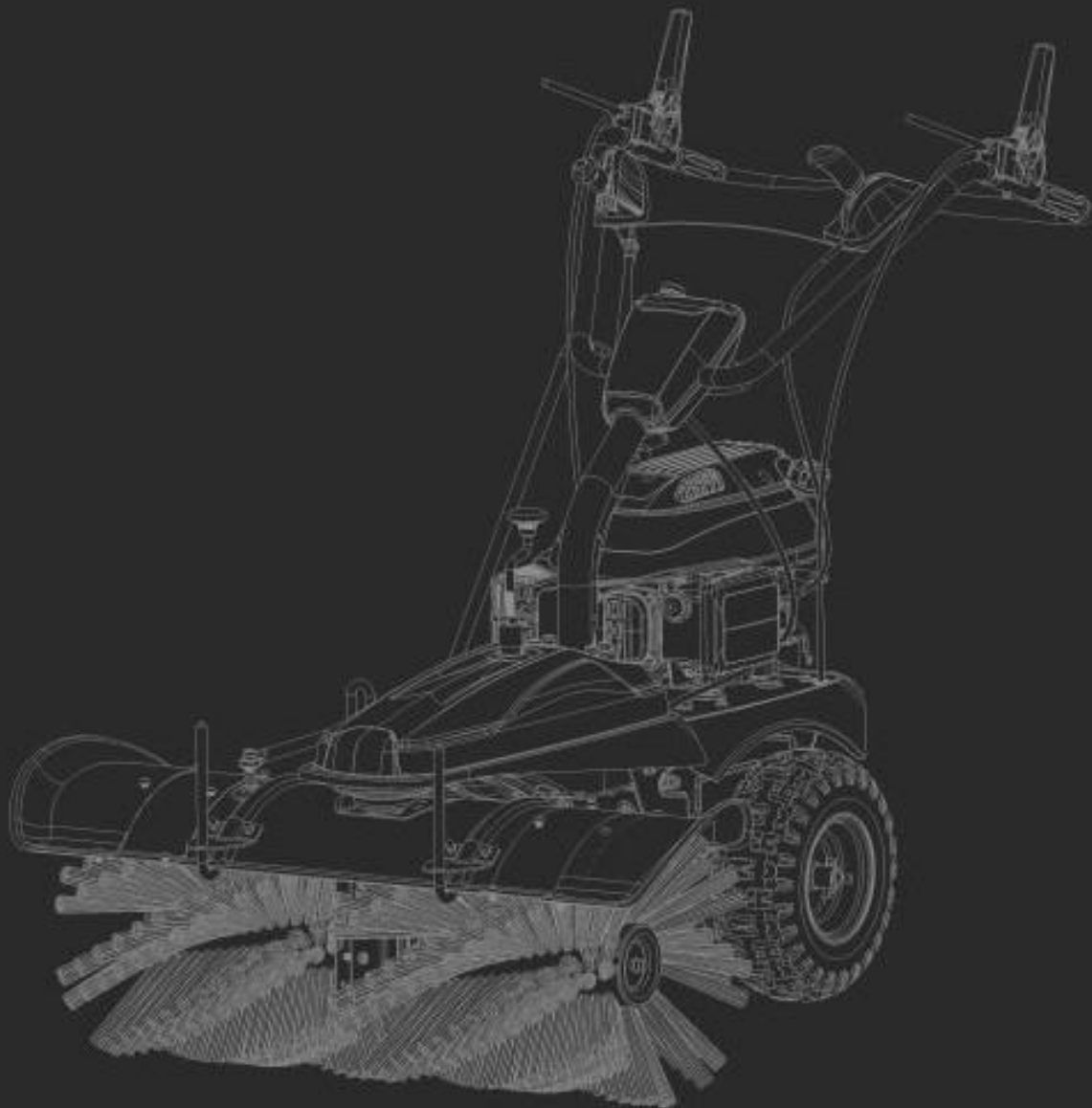


**HYUNDAI**  
POWER PRODUCTS

# PETROL SWEEPER HYSW1000

---

User Manual



# INDEX

	<b>CONTENTS</b>	<b>PAGE NO.S</b>
1	SAFETY	3 - 8
2	PART LOCATIONS	9
3	ASSEMBLY	10 - 11
4	PRE OPERATION CHECKS	12 - 14
5	STARTING PROCEDURE	15 - 16
6	STOPPING PROCEDURE	17
7	OPERATING PROCEDURE	17 - 21
8	MAINTENANCE	22 - 26
9	TROUBLE SHOOTING	27
10	SPECIFICATION	28
11	DECLARATION OF CONFORMITY	29
12	RECYCLING AND PRODUCT DISPOSAL	30
13	CONTACT DETAILS	31
14	MANUAL UPDATES	31
15	WARRANTY	31

# 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.

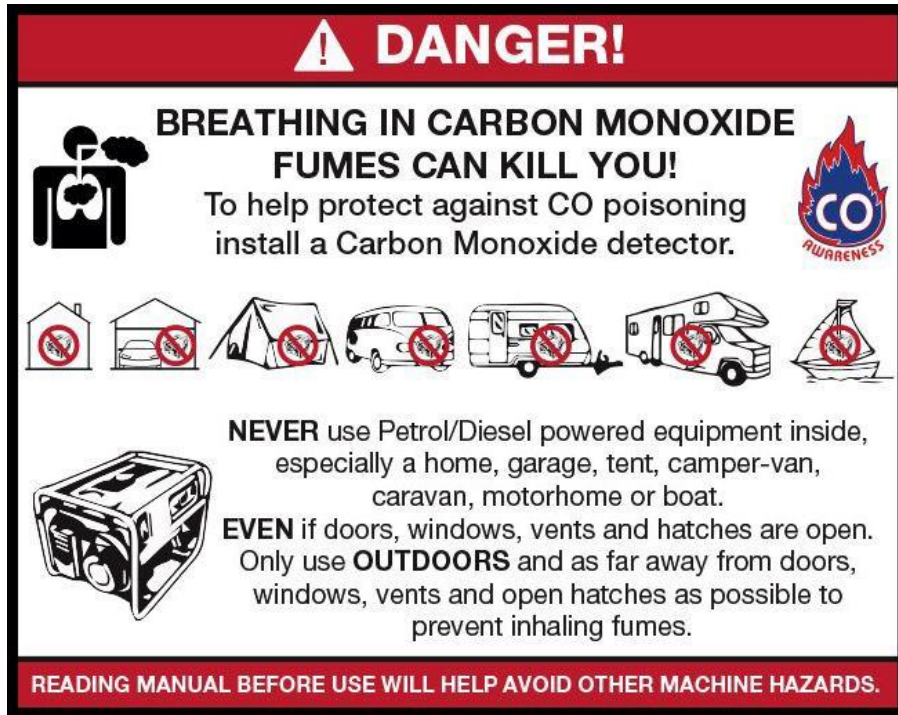
READ and keep the manual safe and pass it on if the machine is loaned or sold to another user.

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 damaged 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 hearing 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 You should **NEVER** use the machine when;

1.83 Wearing loose clothing, barefoot or sandals.

1.84 Under the influence of drink or drugs or as a result of having taken medication for cold or flu, or any other times when a possibility exists that your judgement might be impaired or that you might not be able to operate the machine properly and in a safe manner.

1.85 Suffering from exhaustion or lack of sleep.

1.86 When the ground is slippery or when other conditions exist which might make it not possible to maintain a steady posture.

1.87 At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the area.

1.88 During rain storms, lightning storms, at times of strong or gale force winds, or at any other times when the weather conditions might make it unsafe to use this product.

1.89 **NEVER** run the engine indoors. The exhaust gasses contain harmful carbon monoxide.

1.90 When using this machine for the first time and before actual work, you **MUST** learn how to handle the machine from an experienced or skilled person.

1.91 Limit the amount of time using the machine continuously to somewhere around 10 minutes per session and take 10 to 20 minutes of rest between sessions. Also try to keep the total amount of work in a single day limited to 2 hours or less.



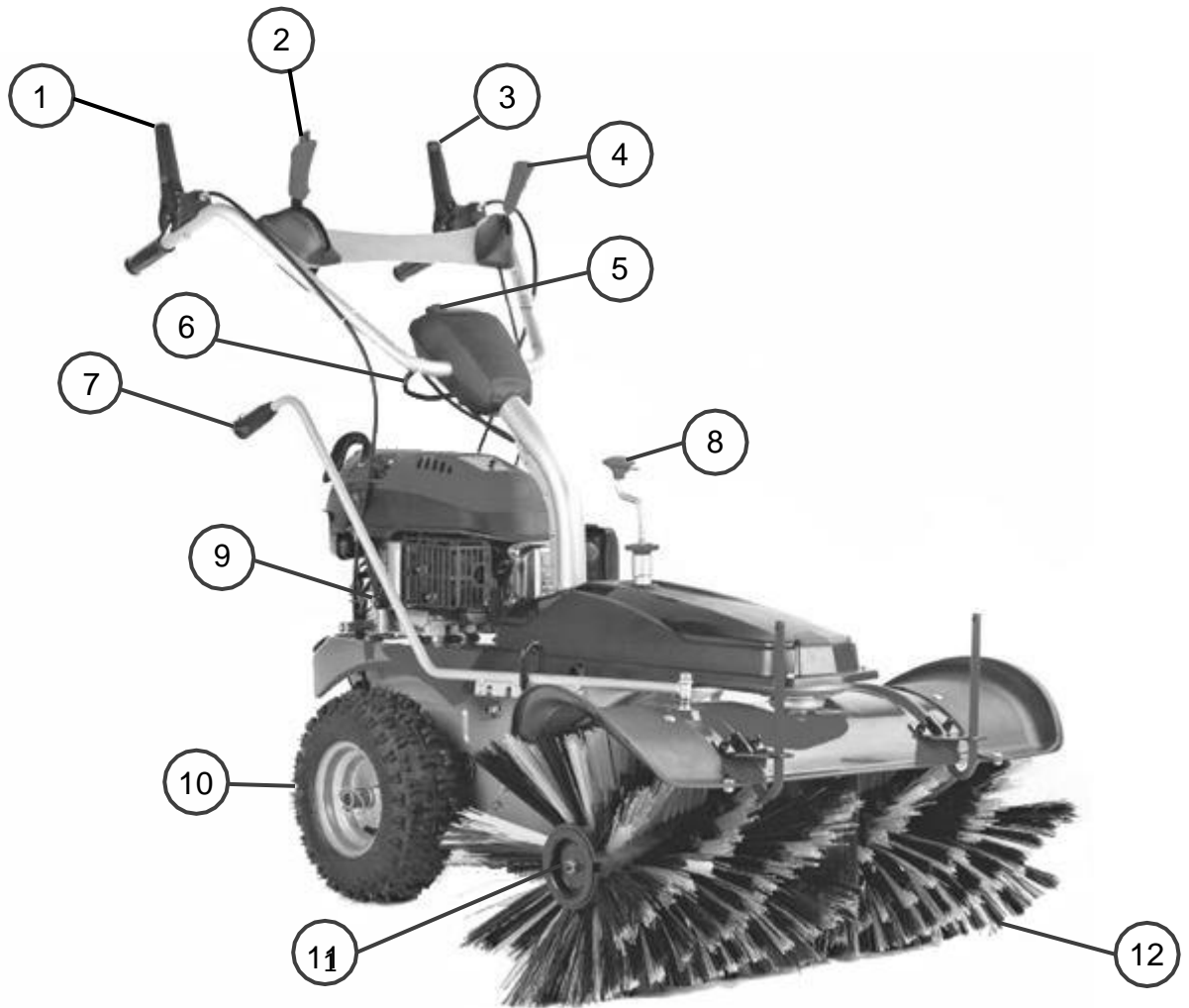
- 1.92** **NEVER** allow children or anyone unable to fully understand the directions given in this manual to operate this product.
- 1.93** Make sure you keep this manual handy so you may refer to it whenever questions arise and ensure you pass this manual on if the machine is loaned or sold.
- 1.94** 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;



- 1.95** **DO NOT** use this machine inside a confined space such as but not limited to a vehicle, house, garage, container, boat or building. Only use outside in a well ventilate area.
- 1.96** For air cooling a minimum of 1m is required all around the machine. Maximum ambient temperature 40 degrees Celsius.
- 1.97** Fire risk- Fuel can expand and overflow in a hot environment or moving vehicle. Explosion risk- LPG/ Petrol can leak and the vapour is heavier than air.
- 1.98** **NEVER** store in confined spaces especially in a boat where the vapour/has will accumulate in the hull and create a high risk of explosion.
- 1.99** Carbon monoxide poisoning risk- Never run an engine in a confined space or poorly ventilated area. Keep machine away from windows to prevent fumes entering the internal space.
- 1.99.1** Carbon monoxide is produced by the engine and contained in the exhaust fumes. You cannot see it or smell it and it can kill you in minutes. **NEVER** use inside a confined space with an exhaust extension. If the exhaust extension fails the escaping exhaust gases could kill you.



## 2. PART LOCATIONS



1	Drive Clutch Lever	7	Brush Direction Adjustment Lever
2	Brush Speed Adjustment Lever	8	Brush Height Adjustment Lever
3	Brush Working Clutch Lever	9	Forward / Reverse Shift Lever
4	Engine Speed Adjustment Lever	10	Rear Wheels
5	Electric Key Start	11	Support Wheel
6	Handle Height Adjustment Lever	12	Brush

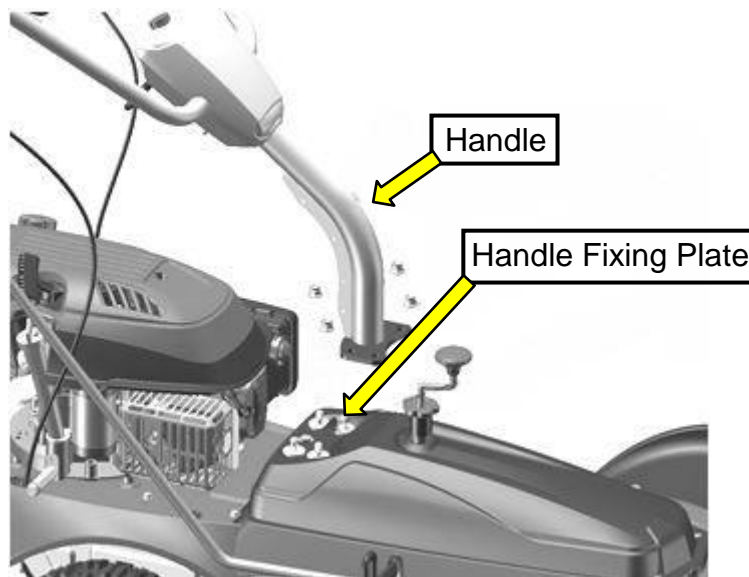
### 3. ASSEMBLY



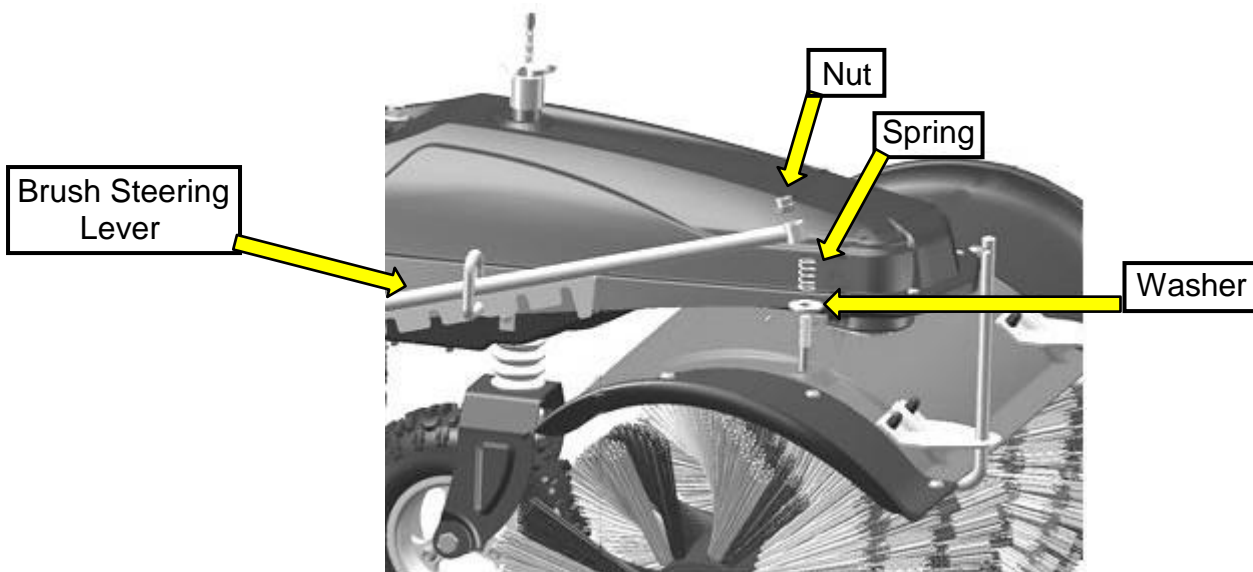
## CAUTION

Use caution when unpacking this machine. Some components are heavy and will require additional assistance or mechanical handling equipment.

- 2.0 Attach the handle to the handle fixing plate on the sweeper using the nuts provided.



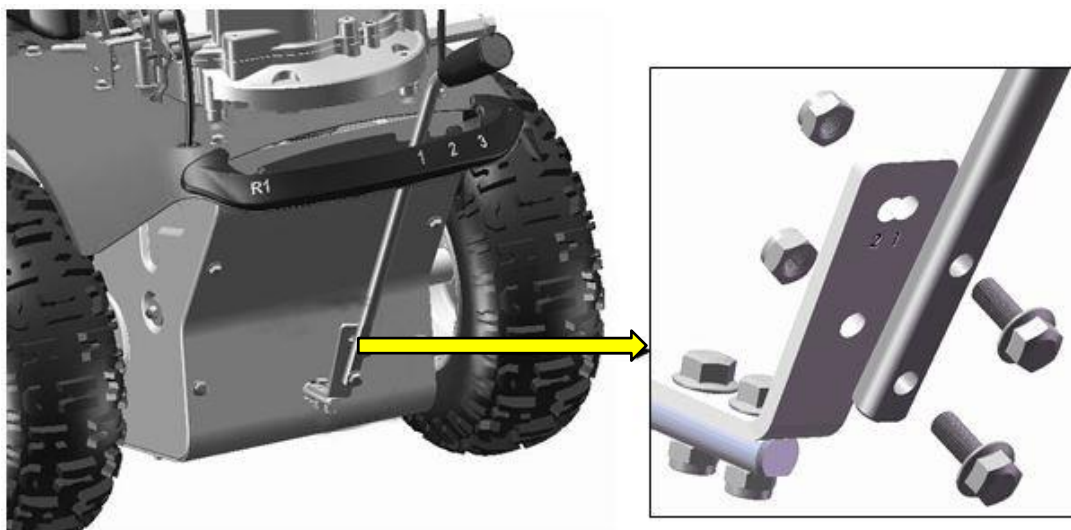
- 2.1 Attach the brush steering lever to the front of the machine.



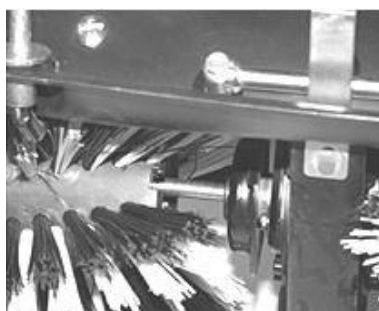
2.2 Install the shift lever to the rear of the sweeper.



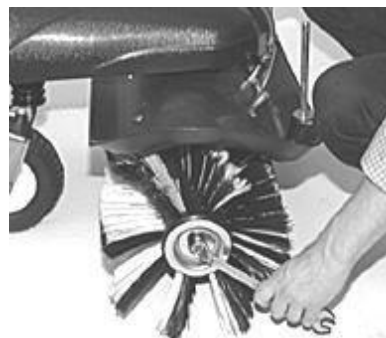
**NOTE:** You should install the shift lever into position '1' for new machines. After 100 hours or if as you become more comfortable with the machine speed, you can adjust the lever to position '2' or '3'.



2.3 Slide the brush assembly over the drive shaft on either side of the sweeper and locate the drive pin into the cut out on the brush shaft.



2.4 Place the washer and nut over the end of the drive shaft and tighten securely.



## 4. PRE OPERATION CHECKS



### CAUTION

This machine is shipped without fuel or oil. You **MUST** fill the machine **BEFORE** use or you may cause damage to the machine that will not be covered by the warranty.

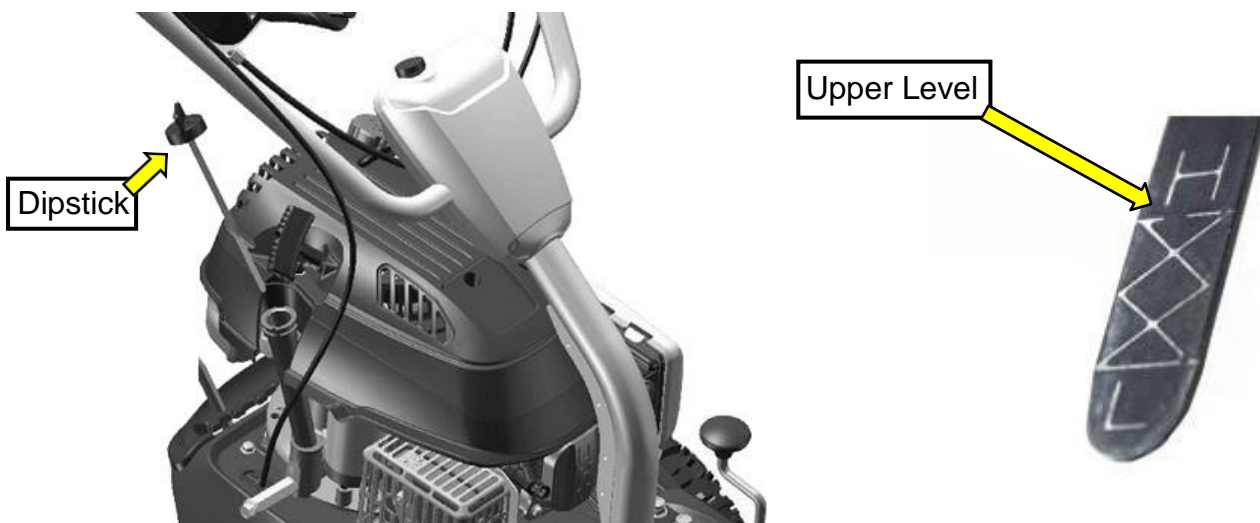


### WARNING

**ALL** fuels are flammable and should be handled with care. Wipe up any spills immediately.

## ADDING OIL

- 3.0 Oil Type: Semi-Synthetic SAE 15W-40 Engine Oil.
- 3.1 Oil capacity: 600ml
- 3.2 Place the sweeper on a flat level surface.
- 3.3 Clean around the oil filler and remove the oil cap and dipstick. Wipe the dipstick clean.
- 3.4 Slowly fill the engine with oil through the oil filler until it reaches the upper level mark on the dipstick.
- 3.5 Stop filling occasionally to check the oil level.  
**DO NOT OVERFILL.**
- 3.6 Refit the oil filler cap and make sure the cap is tightened.
- 3.7 You **MUST** check the engine oil level before starting every session.



## ADDING FUEL



### 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.



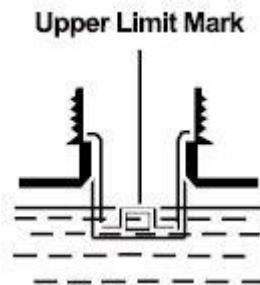
### CAUTION

**DO NOT** overfill the fuel tank, you **MUST** allow space for fuel expansion.

If the fuel tank is overfilled, fuel can overflow onto a hot engine and cause fire and/or explosion.

If fuel does spill, wait until it evaporates before starting the engine.

Check fuel lines, tank, cap and fittings frequently for cracks or leaks. Replace as required.



- 3.8 Fuel Type: Straight, fresh Unleaded Petrol.
- 3.9 Fuel Tank Capacity: 1000ml
- 3.10 **DO NOT** light cigarettes or smoke when filling the fuel tank.  
Fuel is highly **FLAMMABLE** and its vapours are **EXPLOSIVE**.
- 3.11 **NEVER** fill the fuel tank when the engine is running or hot.  
Turn the generator **OFF** and allow the engine to cool entirely before filling the fuel tank.
- 3.12 Avoid spilling petrol onto a **HOT** engine.
- 3.13 Keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition.
- 3.14 **DO NOT** mix petrol with oil.
- 3.15 Once refuelling has finished, refit the fuel cap and fully tighten.  
Wipe up any spilt fuel before restarting the machine.

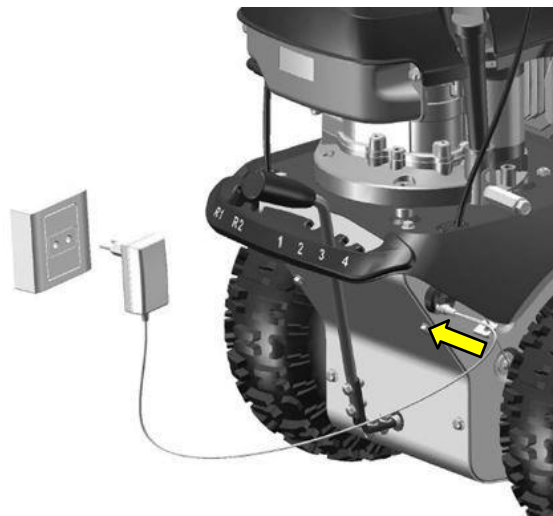
## CHARGING THE BATTERY



### NOTE

Charging time: 5 Hours

- 3.16 For electric start models, the battery must be charged before use.
- 3.17 Connect the charging plug to the battery using the charging port located at the back of the sweeper.
- 3.18 Plug the other end of the charger into a standard 3 pin wall socket and turn on to charge.
- 3.19 Once charged, turn off the plug at the wall and then remove the charger from the charging socket on the sweeper.



## 5. STARTING PROCEDURE



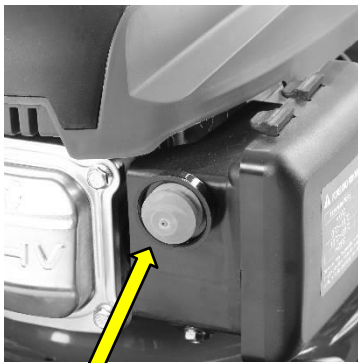
### WARNING

This machine is shipped without fuel or oil. You **MUST** fill the machine **BEFORE** use or you may cause damage to the machine that will not be covered by the warranty.

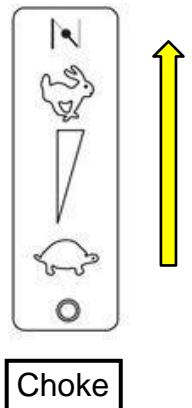
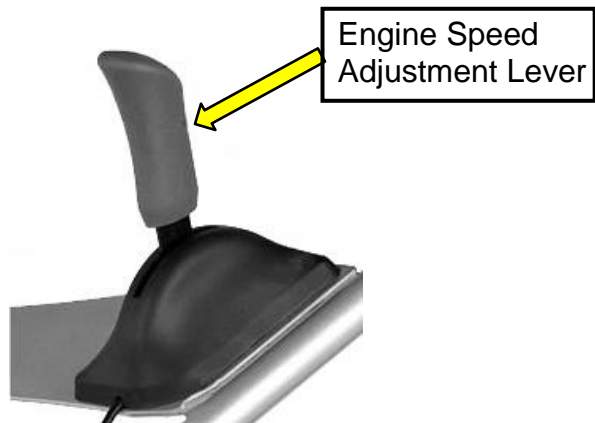
### RECOIL START

4.0 For cold start, press the primer bulb 5 to 6 times.  
For warm start move straight to 4.1.

4.1 Push the engine speed adjustment lever to the 'CHOKE' position.



Primer Bulb

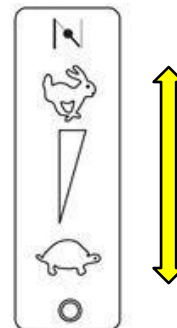
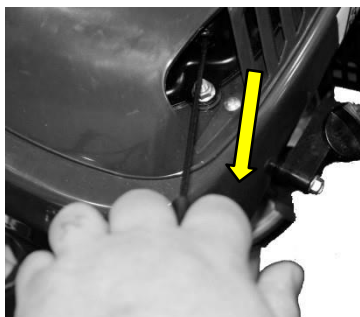


4.2 Pull the recoil starter handle until you feel resistance and then pull swiftly until the engine tries to start.

4.3 Move the engine speed adjustment lever to the 'START' position.

4.4 Pull the recoil starter handle again, until the engine fires.

4.5 Adjust the engine speed adjustment lever until the desired working speed is reached.

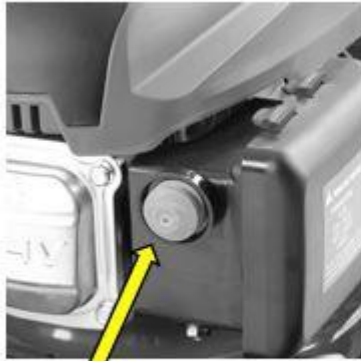




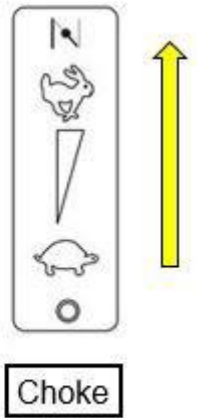
## ELECTRIC START

4.6 For cold start, press the primer bulb 5 to 6 times.  
For warm start move straight to 4.7.

4.7 Push the engine speed adjustment lever to the 'CHOKE' position.



Primer Bulb

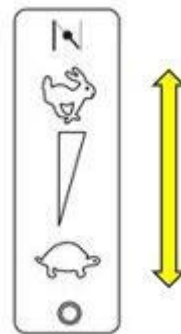


4.8 Turn the ignition key until the engine tries start.

4.9 Move the engine speed adjustment lever to the 'START' position.

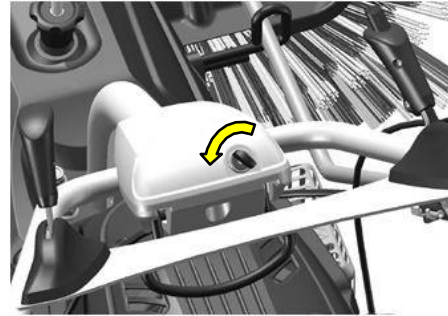
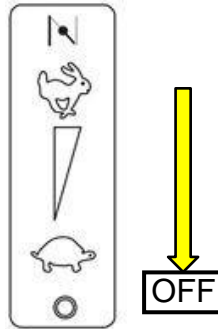
4.10 Turn the ignition key again, until the engine fires.

4.11 Adjust the engine speed adjustment lever until the desired working speed is reached.



## 6. STOPPING PROCEDURE

- 5.0 Release the brush and drive clutch lever.
- 5.1 Allow the engine to idle for 20 seconds.
- 5.2 Move the engine speed adjustment lever to the 'OFF' position.
- 5.3 Turn the ignition key to the 'OFF' position.



## 7. OPERATING INSTRUCTIONS



### CAUTION

**ALWAYS** check the oil and fuel level **BEFORE** operation.



### CAUTION

**ALWAYS** keep hands and feet clear of moving parts and **NEVER** use the machine if any of the safety guards are damaged or missing.

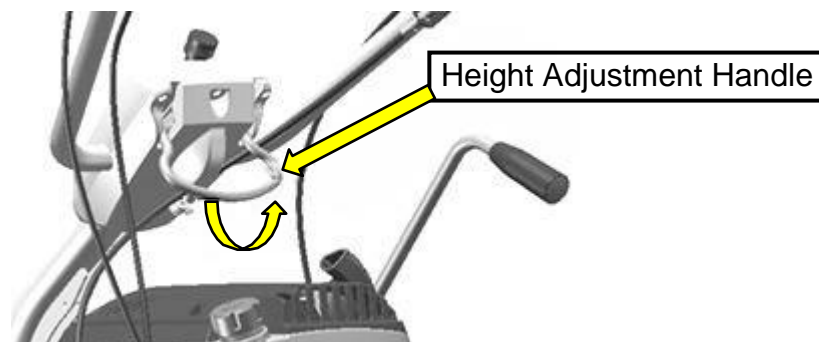


### CAUTION

Before using the machine, remove all foreign objects from the work area that may be thrown by coming into contact with the sweeper.

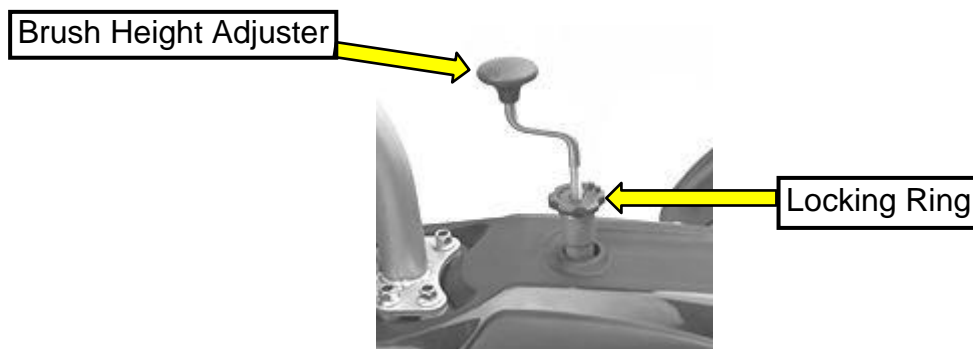
#### Handle Height Adjustment

- 6.0 Adjust the handles to one of 3 different heights to find a comfortable operating height.



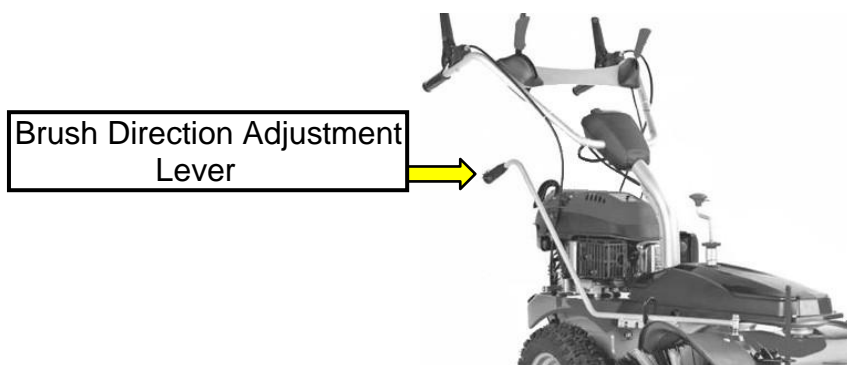
## Brush Height Adjustment

- 6.1 To adjust the brush height.
- 6.2 Undo the locking ring by turning anti-clockwise.
- 6.3 Turn the brush height adjuster up or down depending on the brush height you require.
- 6.4 Once the desired height has been reached, retighten the locking ring to lock the brush height in to place.



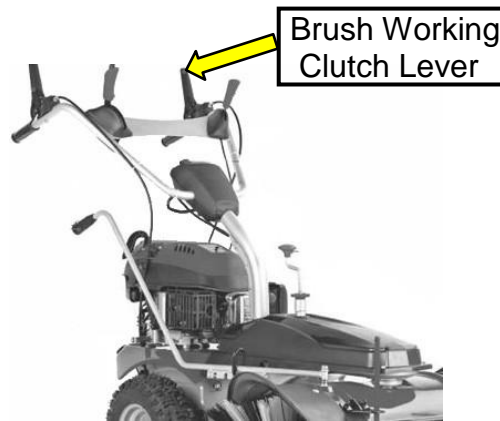
## Brush Angle Adjustment

- 6.5 To change the angle of the brush, push the brush direction adjustment lever down.
- 6.6 Turn the brush direction lever to one of the 5 pre-set angles.
- 6.7 Lift the angle adjustment lever back up to lock the brush angle into place.



## Brush Activation

- 6.8 To activate the brush, press down on the brush working clutch lever on the left handlebar.  
Release the lever to stop the brushes.



## Brush Speed Adjustment

- 6.9 Press down the button on the brush speed adjustment lever and move the lever forwards or backwards to increase or decrease the brush speed.
- 6.10 Once the desired speed has been selected, release the button.



## Drive

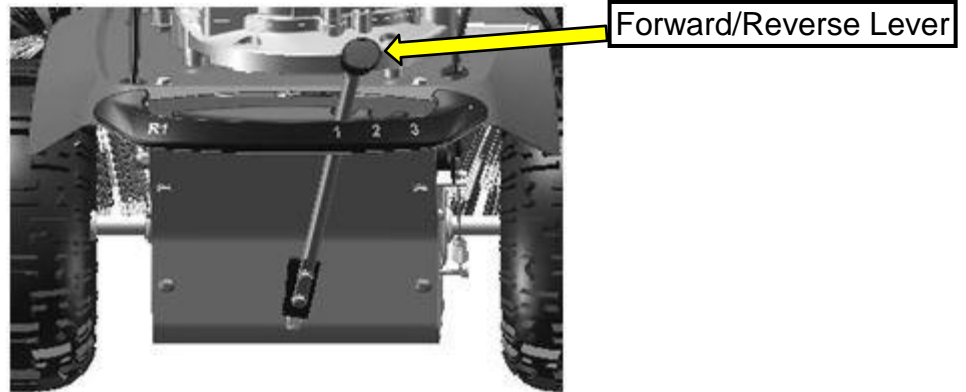


## NOTE

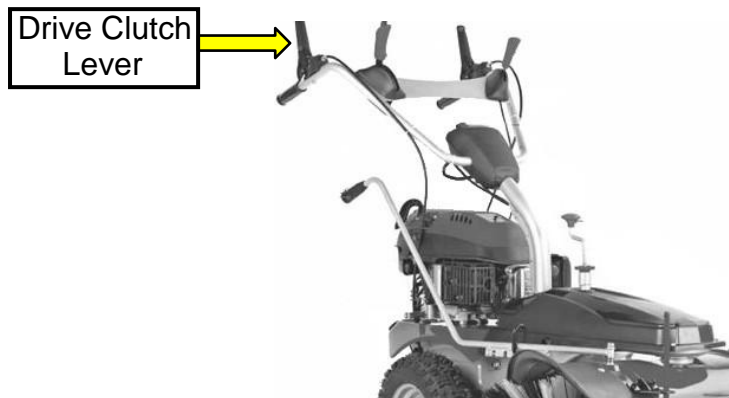
**ALWAYS** release the drive clutch lever when selecting forward or reverse gears. Adjusting the lever while the sweeper is moving can damage the gearbox of the sweeper, which will not be covered by warranty.

You should install the shift lever into position '1' for new machines. After 100 hours or if as you become more comfortable with the machine speed, you can adjust the lever to position '2' or '3'.

- 6.11 There are 3 forward gears and 1 reverse gear.
- 6.12 Select the correct gear by using the forward / reverse lever.



- 6.13 Once the correct gear has been selected, push down on the driving clutch lever on the right handlebar to engage the sweepers drive.
- 6.14 Release the drive clutch lever to stop the drive.



- 6.15 **DO NOT** sweep up explosive liquids, combustible gasses or undiluted acids or solvents. This includes petrol, paint thinner or heating oil which can generate explosive fumes or mixtures upon contact with the suction air. Acetone, undiluted acids and solvents must also be avoided as they can harm the materials on the machine.
- 6.16 **DO NOT** sweep up reactive metal dusts such as aluminium, magnesium and zinc. They form explosive gases when they come in to contact with highly alkali or acidic detergents.
- 6.17 **DO NOT** sweep up any burning or glowing objects.
- 6.18 The machine may not be used or stored in hazardous areas.
- 6.19 The machine must be checked to ensure that it is in proper working order and is operating safely prior to use.
- 6.20 If the machine is to be used in a hazardous area such as a filling station, the corresponding safety provisions must be observed.
- 6.21 It is not allowed to use the machine in hazardous locations.
- 6.22 It is the responsibility of the operator to ensure the appliance is used properly.
- 6.23 The operator must pay attention to their parties, in particular children, when working with the appliance.

- 6.24 Prior to starting work, the operator must ensure that all protective devices are properly installed and function correctly.
- 6.25 The operator of the machine is liable for accidents with other individuals or their property.
- 6.26 Ensure the correct Personal Protective Equipment (PPE) is worn at all times when operating the machine.
- 6.27 **NEVER** leave the machine unattended.
- 6.28 The operator may not leave the machine until it has come to a complete stop and the machine has been protected against accidental movement.
- 6.29 The machine may only be used by persons who have been instructed in handling the machine or have proven qualification and expertise in operating the machine.
- 6.30 Children under the age of 18 should **NOT** use the machine.
- 6.31 **DO NOT** use the machine on gradients of more than 12%.  
**DO NOT** use the machine on gradients of more than 2% with attachments fitted.
- 6.32 The gradient perpendicular to the direction of travel should not exceed 12%.
- 6.33 Keep hands and feet away from all moving parts.

## 8. MAINTENANCE



### WARNING

Before performing any maintenance procedure or inspection, stop the engine and allow to cool for 30 minutes.

**ALWAYS** work in a well ventilated area away from any sources of ignition.

**ALWAYS** wear the appropriate Personal Protective Equipment (PPE) when carrying out any maintenance.



### CAUTION

All maintenance and repair work must be carried out by a qualified technician.

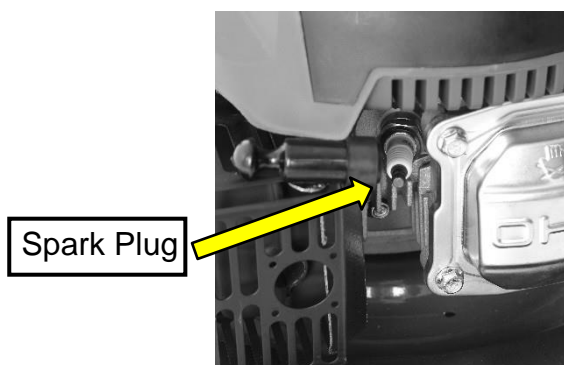
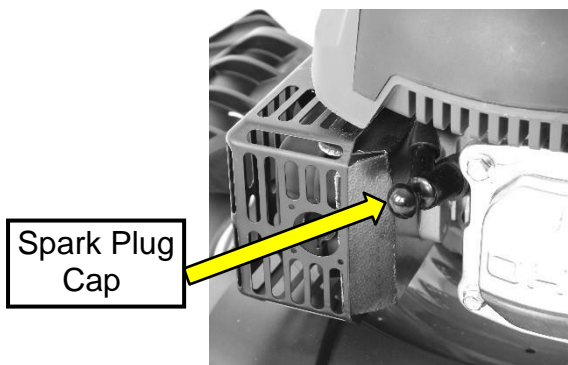
Procedure		Before Each Use	First Month or 20 Hours	Every 3 Months or 50 Hours	Every 6 Months or 100 Hours	Every 12 Months or 300 Hours
Engine Oil	Check	X				
	Replace		X		X	
Gear Oil	Check	X				
	Replace		X		X	
Air Filter	Check	X				
	Clean			X*		
	Replace					X
Sediment Cup	Clean				X	
Spark Plug	Check				X	
	Replace					X
Check Tyre Pressure				X		
Clean Engine Exterior & Cooling				X		
Change Engine Oil		1 <sup>st</sup> Time 5 Hours		X		
Replace Air Filter				X		
Replace Spark Plug					X	
Check Brush		X				
Check Tyre Pressure		X				

\*more frequently in dusty environments.

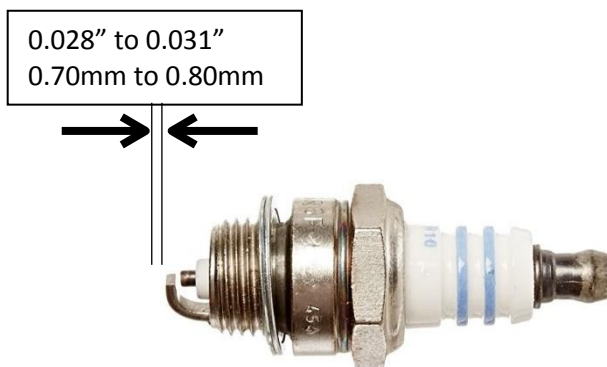


## THE SPARK PLUG

- 7.0 You **MUST** allow the engine to cool down before carrying out any maintenance.
- 7.1 Always replace with the same model spark plug as fitted.
- 7.2 To check spark plug, remove spark plug cap and remove spark plug.



- 7.3 Visually inspect the spark plug and spark plug washer. If damaged or heavily worn then replace. If reusable, clean the electrode with a soft brass brush to remove the carbon build up.
- 7.4 The spark plug gap should be 0.70mm to 0.80mm. Check the gap by using a feeler gauge. Adjust as necessary by carefully bending the side electrode to achieve the correct gap.



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

## AIR FILTER



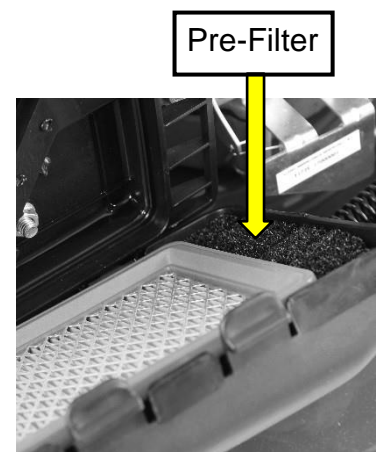
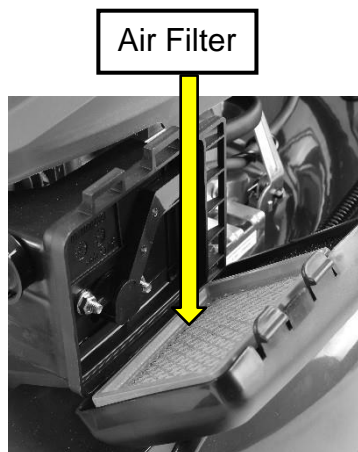
### CAUTION

A dirty air filter will restrict the air flow to the carburetor, which will reduce engine efficiency.

When using the lawnmower in very dusty areas you must clean or replace the air filter more often.

Never operate machine without the air filter being fitted it can cause damage to the engine, which is not covered by warranty.

- 7.8 To gain access to the air filter press the 2 latch tabs.
- 7.9 Remove air filter, check for contamination and clean or replace as required. Clean the filter by blowing air through it using an air gun not exceeding 30psi.
- 7.10 Also clean the foam pre-filter. Wash in detergent and let dry. Soak in clean engine oil and drain excess before reinstalling.



- 7.11 **NEVER** use a brush to clean the filter, it will only drive dirt into the fibres of the filter.
- 7.12 Wipe dirt from the air cleaner body by using a moist, lint free, cloth. Be careful to prevent dirt or debris entering in to the carburetor.

## FUEL & CARBURETOR



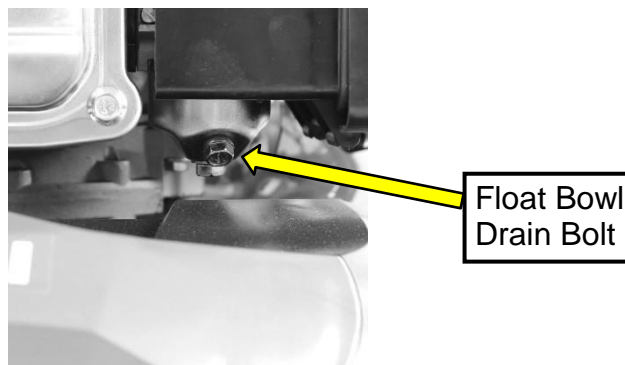
### CAUTION

#### 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.

- 7.13 The use of old or stale fuel will impair starting and running of the machine.
- 7.14 Make sure that the machine has fresh unleaded fuel and always remove fuel before storing for long periods.
- 7.15 **NEVER** mix fuel and oil.
- 7.16 **BEFORE** carrying out any maintenance work regarding fuel, make sure the mower has cooled completely and the spark plug HT lead cap has been removed.
- 7.17 To drain the fuel from the mower, use a suitable syphon and drain the fuel from the fuel tank into a suitable container.  
Ensure any spills are wiped up immediately.
- 7.18 To drain the carburetor float bowl, ensure the engine has had time to cool completely and the spark plug HT lead cap has been disconnected.
- 7.19 Undo the float bowl drain bolt and allow the fuel to drain into a suitable container.  
Ensure any spills are wiped up immediately.



- 7.20 Allow all the fuel to drain.
- 7.21 Reinstall the drain bolt and secure tightly.
- 7.22 Refill the engine with fresh unleaded petrol.



## CAUTION

Drain the oil while the engine is **WARM** not **HOT**.  
Warm engine oil drains more quickly and completely.

- 7.20 Oil Type: Semi-Synthetic SAE 15W-40 Engine Oil.
- 7.21 Oil capacity: 600ml
- 7.22 Place the sweeper on a flat level surface.
- 7.23 Clean around the oil filler and remove the oil cap and dipstick. Wipe the dipstick clean.
- 7.24 Slowly fill the engine with oil through the oil filler until it reaches the upper level mark on the dipstick.
- 7.25 Stop filling occasionally to check the oil level.  
**DO NOT OVERFILL.**
- 7.26 Refit the oil filler cap and make sure the cap is tightened.
- 7.27 You **MUST** check the engine oil level before starting every session.



## 9. TROUBLE SHOOTING



### NOTE

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

Problem	Possible Cause	Possible Corrective Action
Engine does not start	Incorrect speed control lever adjustment	Adjust speed control lever
	Fuel tank is empty	Fill fuel tank
	Stale fuel	Drain carburetor float bowl refill with fresh unleaded petrol
	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
Machine not sweeping properly	Worn brush	Replace brush
	Brush not adjusted correctly	Lower or raise the brush height using the height adjuster
	Incorrect speed control lever adjustment	Adjust speed control lever

## 10. SPECIFICATION

Model Number	HYSW1000
Engine	Hyundai IC175VE 4 Stroke
Engine Power – cc	173
Fuel Type	Unleaded Petrol
Fuel Tank Capacity – ml	1000
Oil Type	SAE15W40
Oil Capacity – ml	600
Engine Speed – rpm	2800
Working Width – mm	1000
Brush Speed – rpm	180 – 350
Sound Level –dB(A)	98

# 11. DECLARATION OF CONFORMITY

8.0 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 is licensed by Hyundai Corporation, 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 the use outdoors.

Equipment Category: **Power Equipment**  
Product Name/Model: **HYSW1000**  
Type/Serial No: **Petrol Brush Sweeper**  
Net installed power: **3.6kw**  
The technical documentation is kept by: **Roland Llewelin, Genpower Ltd  
Isaac Way, Pembroke Dock,  
Pembrokeshire, SA72 4RW.**

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

Notified Body: **TüV Rheinland LGA Products GmbH  
Tillystrasse 2  
Nurenburg 9431  
Certification n° 50145578 001**

Measured Sound Power Level: **74dB**

Guaranteed Sound Power Level: **94dB**

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

Place of Declaration: **Pembroke Dock, SA73 4RW**

Date: **11/06/2018**

Signed by: **Roland Llewelin**






Position in Company: **Managing Director**

Name and address of manufacturer or Authorised representative:

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



## 12. RECYCLING & PRODUCT DISPOSAL

- 9.0 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.
- 9.1 You MUST make sure that all unused oil and fuel is disposed of correctly either be forehand or at your local Civic Amenity Site. Under NO circumstance must any oil and fuel be put down any drains.
- 9.2 Waste Electrical Electronic Equipment (WEEE) recycling.
- 9.3  Certain products contain WEEE waste which should not be disposed of in your domestic waste.
- 9.4 You MUST recycle WEEE in accordance with your local authority or recycling centre.
- 9.5  Battery recycling, certain products contain batteries which should not be disposed of in your domestic waste
- 9.6 You MUST recycle batteries in accordance with your local authority or recycling centre.
- 9.7 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.
- 9.8  The symbol means that you should 'Reduce – Reuse – Recycle.'
- 9.9 We are a Member of the VALPAK National Compliance scheme and our registration number is RM08660.
- 9.10 For further information about disposal please contact your Local Authority.
- 9.11 You can also get more advice and guidance about recycling at the following website <http://www.recycle-more.co.uk>
- 9.12 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.

## 13. CONTACT DETAILS

10.0	POSTAL ADDRESS:	Genpower Ltd Isaac Way, London Road, Pembroke Dock, Pembrokeshire, SA72 4RW. UK.
10.1	TELEPHONE:	+44 (0) 1646 687880
10.2	FAX:	+44 (0) 1646 686198
10.3	E-MAIL:	aftersales@genpower.co.uk
10.4	WEBSITE:	www.hyundaipowerequipment.co.uk

## 14. MANUAL UPDATES

- 11.0 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.
- 11.1 Our latest manuals are placed online.
- 11.2 We reserve the right to make any modifications without prior notice whenever necessary.

## 15. WARRANTY

- 12.0 For specific warranty and warranty exclusion details for your product, please visit our Customer Services section on our website:  
**[www.hyundaipowerequipment.co.uk/customer-service](http://www.hyundaipowerequipment.co.uk/customer-service)**
- 12.1 To register your product for its warranty, please visit:  
**[www.hyundaipowerequipment.co.uk/warranty](http://www.hyundaipowerequipment.co.uk/warranty)**

# HYUNDAI

POWER PRODUCTS

## For Inquiries, Please Contact:

GENPOWER LTD  
Isaac Way, London Road  
Pembroke Dock, UNITED KINGDOM, SA72 4RW  
T: +44 (0) 1646 687 880 F: +44 (0) 1646 686 198  
E: [info@hyundaipowerequipment.co.uk](mailto:info@hyundaipowerequipment.co.uk)  
[www.hyundaipowerequipment.co.uk](http://www.hyundaipowerequipment.co.uk)