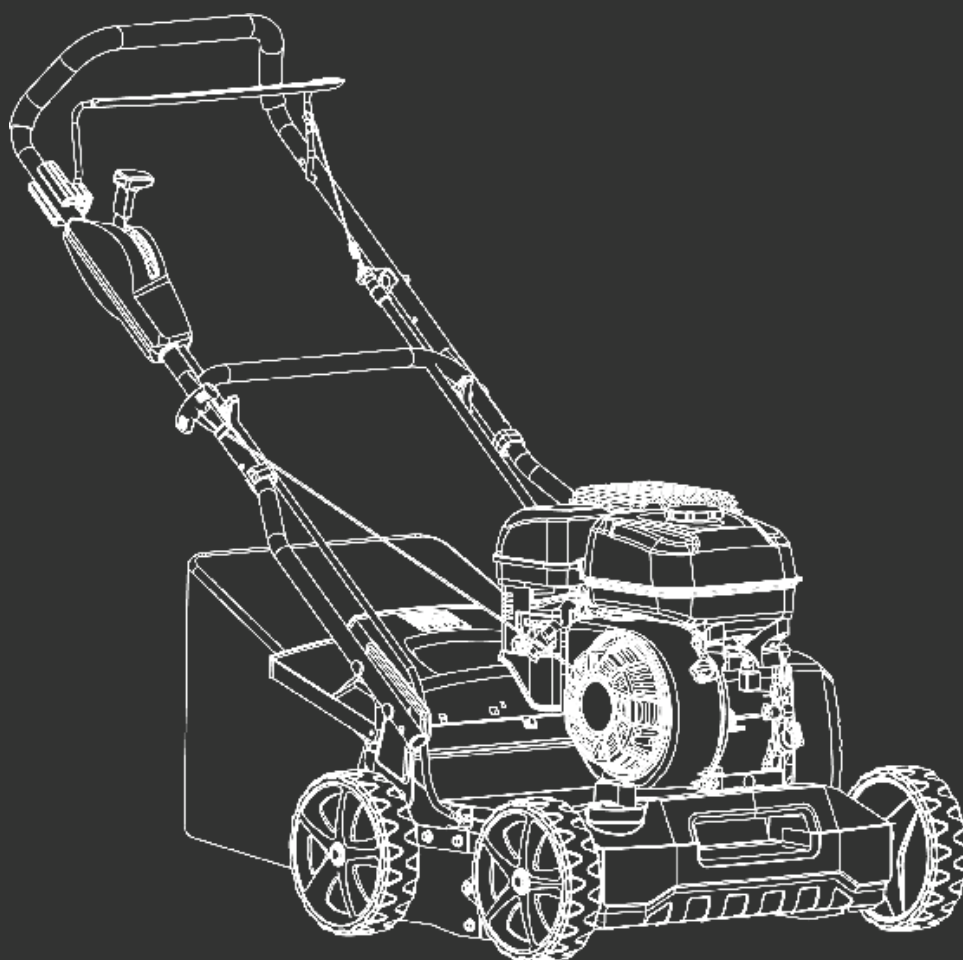


HYUNDAI
POWER PRODUCTS



PETROL LAWN SCARIFIER & AERATOR HYSC210

Instruction Manual



HYUNDAI

POWER PRODUCTS

Thank You For Purchasing Your HYUNDAI Lawnmower

We work very hard to give all of our customers the best possible service.
If you have any problems, before leaving negative feedback, please contact
us to give us a chance to resolve the issue.

We would be delighted if you left us positive feedback!
Thank you for purchasing this product.

Rated **Excellent** on ★ Trustpilot

This manual has been produced by Hyundai Power Products and should be kept with the product. Please read and understand these instructions before you use your product. Failure to do this may result in personal injury or damage to the product.

The safety precautions and warnings are to ensure your safety and protect you from harm or damage to the product.

The information contained in this manual was accurate at the time of production, however HYUNDAI Power Products may make modifications to the product without notification.

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**IMPORTANT: DON'T FORGET TO REGISTER YOUR EXTENDED
3 YEAR HYUNDAI WARRANTY WITHIN 30 DAYS OF PURCHASE.**
<https://www.hyundaipowerproducts/warranty>

Contact Us



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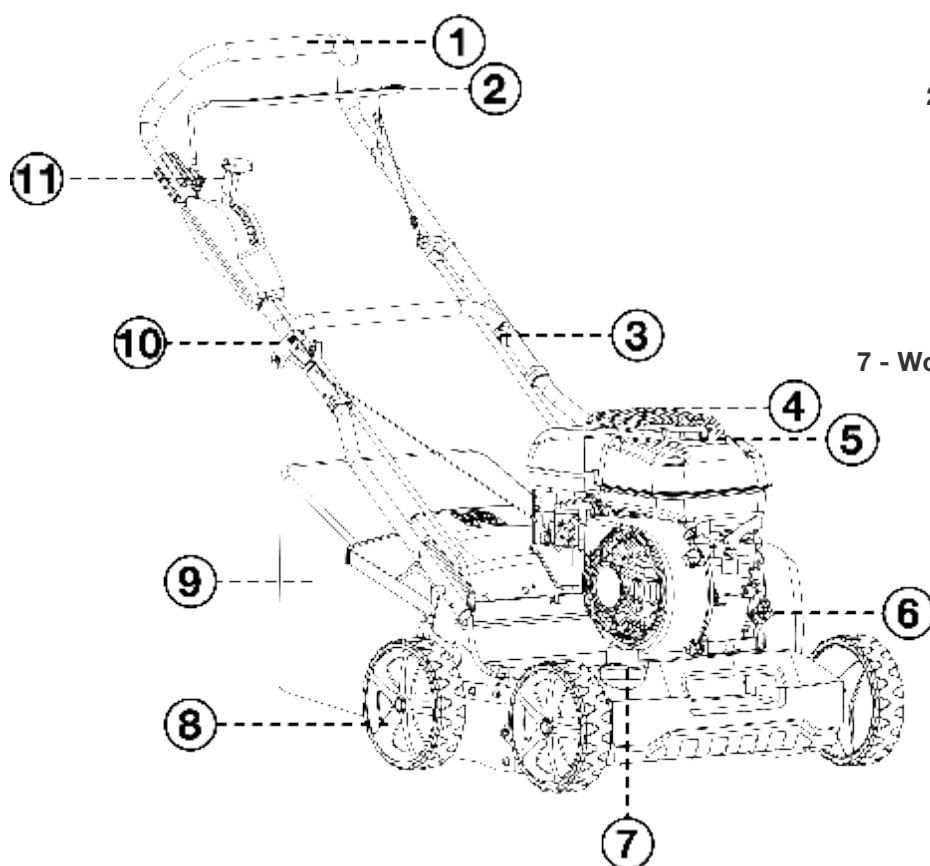


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Features



1 - Soft Grip Handle

2 - Operator Presence Control Handle

3 - Handle Quick Release

4 - Exhaust

5 - Fuel Filler Cap

6 - Oil Filler / Dipstick

7 - Working Depth Height Adjustment Knob

8 - Wheels

9 - Grass Collector

10 - Recoil Starter Handle

11 - Transport Lever

What's In The Box

- HYSC210 Petrol Scarifier
- Aerator Attachment
- 45L Grass Collector
- Assembly Tools
- User Manual

Symbols On The Machine



CAUTION!

Handle carefully.



DANGER OF THROWN OBJECTS!

Keep all bystanders and animals at least 15 metres away from the machine during operation. If approached, stop the machine immediately.



DANGER!

keep hands and feet away from cutting parts.



DANGER!

Engine exhaust fume contain Carbon Monoxide. This is a poisonous gas and can kill in minutes. NEVER use inside a building or in an area with poor ventilation.



PROTECT FROM MOISTURE

Do not expose the product to rain or wet conditions.



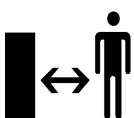
HEARING PROTECTION

Suitable safety hearing protection is recommended.



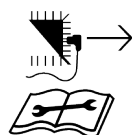
INSTRUCTION MANUAL

Read and understand operator's manual before using the machine. Failure to follow instructions could result in death or serious injury.



DANGER AREA

Keep away from the danger area.



WARNING!

Remove the spark plug cable from the spark plug before commencing maintenance work. Always read instructions before carrying out any repair or maintenance.



DANGER!

NEVER use inside a building or in an area with poor ventilation. Engine exhaust fume contain Carbon Monoxide. This is a poisonous gas and can kill in minutes.



EYE AND HEARING PROTECTION

Always wear safety glasses/goggles and/or face shields. Everyday eyeglasses have only impact resistant lenses; they are not safety glasses/goggles. Suitable safety hearing protection is recommended.



EYE PROTECTION

Suitable safety hearing protection is recommended.



CE SYMBOL

This product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



TRANSPORT LEVER HEIGHT ADJUSTMENT

Always lift the blade up when turning or moving the machine.



General Safety



! WARNING : READ THE INSTRUCTION BOOKLET THOROUGHLY BEFORE USING THE MACHINE. Keep for future reference and pass it on if the machine is loaned or sold to another user.

Training

! DANGER !

Engine exhaust fumes contain Carbon Monoxide. This is a poisonous gas and can kill in minutes. NEVER use inside a building or in an area with poor ventilation.

! 1. WARNING! You must read these instructions carefully before operating the machine. Make sure that you are familiar with the controls and properly operate the machine. You must learn how to stop the engine quickly. If you do not follow the warnings and instructions, it may result in fire and/or serious injury. Make sure to save all warnings and instructions for future reference.

2. Never allow children or people unfamiliar with these instructions to use the product. Local regulations can restrict the minimum age of the operator.

3. Never operate while people, especially children, or pets are nearby.

4. Never operate the machine if the user is unwell or tired, or has taken alcohol, medicine, drugs or any substances which may slow the user's reflexes and compromise judgement.

5. Keep in mind that the operator or user is responsible for accidents, hazards or unexpected events involving the machine that occur to other people or their property. It is the responsibility of the user to assess the potential risk of the area where work is being

carried out. The operator or user must take all necessary precautions to ensure their own safety and that of others, especially on slopes or rough, slippery and unstable ground.

6. If the machine is sold or lent to others, you must make sure that the operator reads this manual. Keep this manual safe and pass it on to the new user.

Preliminary Operations

1. Always wear anti-slip and resistant work footwear and long pants while using the machine. Do not use the machine when barefoot or wearing open sandals. Do not wear chains, bracelets or clothing that is loose fitting or hanging ties or cords. Tie long hair back. Always wear protective earplugs.

2. Make sure you thoroughly inspect the entire work area and remove all objects and anything that could be thrown by the machine or could damage the engine or cutting unit (branches, stones, wire, toys, etc).

! 3. WARNING: DANGER! Petrol is highly flammable.

- Make sure to store the fuel in special containers.

- Use a funnel to add fuel, only outdoors. Do not smoke during this and each time fuel is handled.

- Add fuel before igniting the engine, never remove the fuel tank cap or add fuel whilst the engine is running or when it is hot.

- If you have spilled fuel, make sure you do not attempt to ignite the engine but move the

General Safety


machine away from the area of spilled fuel and avoid creating any source of ignition until the fuel has evaporated and fuel vapours have dissipated.

- Make sure to always put the tank and fuel container caps back on and tighten well.

4. Make sure to replace faulty silencers.

5. You must check the general condition of the machine before use.

6. Before you start work, always fit the exit guards (deflectors and/or grass catchers).

 **7. WARNING** - The noise and vibration levels shown in these instructions are the maximum levels for use of the lawnmower.

The excessive speed of movement or the absence of maintenance have a significant influence on noise emissions and vibrations. It is necessary to take preventive steps to eliminate possible damage due to high levels of noise and stress from vibration. You must maintain the machine well, wear ear protection and take breaks from working.

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



GLOVES

Protective electrically non-conductive gloves are highly recommended when working.



BOOTS

Non-skid heavy duty footwear are highly recommended when working.



HEARING PROTECTION

Suitable safety hearing protection is recommended.



EYE PROTECTION

Always wear safety glasses/goggles and/or face shields. Everyday eyeglasses have only impact resistant lenses; they are not safety glasses/goggles.



CLOTHING

Do not wear loose clothing, gloves, scarfs, neckties or jewellery (rings, wrist watches), which can be caught in moving parts.

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General Safety



General Fuel Safety



CAUTION!

ALL FUELS ARE FLAMMABLE

- Fire hazard - keep fuel away from all sources of ignition for example heaters, lamps, sparks from grinding or welding.
- DO NOT carry out hot work on tanks that have contained fuel.
- ALWAYS keep the work area tidy.
- ALWAYS clean up spills promptly using absorbent granules and a lidded bin.
- ALWAYS dispose of waste fuels correctly.



Fueling / De-Fueling



CAUTION!

ALL FUELS ARE FLAMMABLE

- ALWAYS fuel and de-fuel 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.
- When fueling/de-fueling ALWAYS avoid inhaling fumes.
- When de-fueling ALWAYS use a proper fuel retriever.
- ALWAYS carry fuel in the correct and clearly marked container.



Electrical Safety (Where Applicable)

- Electricity can kill – NEVER work on LIVE/ENERGISED equipment.
- Prior to carrying out any maintenance work you MUST identify electrical isolation methods and isolate all electrical supplies.
- Prior to use and with all electrical supplies isolated, you MUST check all electrical cables, plugs and connectors for the following;
 - Are intact and have no signs of damage, to include but not limited to bare wires, chaffing, cuts and loose wiring.
 - 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.
- All trailing cables should be routed so as not to cause any kind of trip hazard.
- NEVER work on or near electricity with wet hands, wet clothing and wet gloves.

Batteries (Where Present)

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.

Should you come in to contact with electrolyte you should;

- Remove all clothing contaminated with electrolyte. If you cannot remove then saturate them in water.
- Get medical assistance as soon as possible.

General Safety

You must advise the medical staff of the type of acid.

- Lead/acid battery = dilute sulphuric acid.
- Nickel/cadmium = potassium hydroxide alkali electrolyte.
- 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.
- 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.
- Gasses from charging batteries are highly flammable and great care should be taken to charge in well ventilated areas.



- 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.

Vibrations (Where Applicable)

- 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.
- 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;

- Wear gloves and keep your hands warm.
- Take regular breaks.
- 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.

Noise (Where Applicable)

- 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.
- 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.




- See Certificate of Conformity section for Outdoor Noise declaration of conformity.

Contact Us



For Safe Operation

During Use

 **1.** Never operate the engine in a confined space where dangerous carbon monoxide fumes can develop. All ignition operations have to be effected in an open or well-ventilated area. Always remember that exhaust fumes are toxic.

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.

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

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.

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.

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

Contact a Doctor immediately or go to Hospital – let them know that you suspect carbon monoxide poisoning.

DO NOT use in an enclosed area or moving vehicle.

2. You must only work in daylight or with good artificial light in good visibility conditions. Keep people, children and animals away from the working area.

3. Avoid working on wet grass if possible. Do not work in the rain and when there is a thunderstorm or lightning risk. If there is bad weather conditions, do not use the machine.

4. Make sure on slopes you have a steady foothold.

5. Do not allow the scarifier to pull you along, you must walk and never run.

6. You must pay special attention when approaching obstacles that could compromise visibility.

7. When using the machine on slopes, you must work across the slope and not up and down it. When changing direction, you need to be careful that the wheels do not hit any obstacles (such as roots, branches, stones, etc) that can cause the scarifier to slide sideways or make you lose control of it.

8. The scarifier must never be used on slopes of over 20°, regardless of the mowing direction.

9. Be very careful when pulling the scarifier toward you. You must look behind you to make sure there are no obstacles before and during operations in reverse gear.

10. Stop the engine and allow the blade to come to a stop if the machine has to be tilted for transportation when crossing surfaces other than grass, and when transporting the machine to and from the area to be mowed.

11. When using the machine near roads, pay attention to traffic.

12. Never operate the scarifier with defective guards, or without safety devices, for example

For Safe Operation

deflectors and/or grass catchers, in place.

13. You must be careful near ravines, ditches or embankments.

14. Follow the instructions to ignite the engine carefully whilst keeping feet away from the blade.

15. Never incline the scarifier during ignition. Ignite the machine on a flat surface without obstacles or high grass.

16. Do not place your hands or feet near or under rotating parts. Keep away from the discharge opening.

17. If the scarifier is running, do not lift or transport.

18. Do not tamper with or disable safety systems.

19. Do not over-rev the engine or change the engine settings.

20. The engine parts get very hot when running, do not touch. Danger of burns.

21. Disengage the wheel drive before igniting the engine on power-driven models.

22. Only use manufacturer-recommended attachments.

23. If the attachments/tools are not installed in their seats, do not use the machine.

24. Before leaving the machine to clear blockages, check, clean, refuel or after striking foreign object - Stop the engine and make sure that the blades have come to a complete stop.

25. Disengage the blade and turn off the engine:


- Before refuelling
- Whenever you remove or attach the grass collector

- Before adjusting the working height

26. Always keep a safe distance from the blade, given by the length of the handle.

27. Before stopping the engine, reduce the throttle setting. Shut off the fuel supply on finishing the work, following the instructions in the manual.

28. Stop the engine before emptying the grass collector or before you change the working height.

 **29. WARNING** - If something breaks or an accident happens whilst working, you must turn off the engine immediately and move the scarifier away to prevent further damage. If an accident happens with injuries or third parties are injured, carry out the first aid measures most suitable for the situation immediately and contact the medical authorities for any necessary health care. Carefully remove any debris that might cause damage or harm persons or animals should it not be seen.

30. Start the engine carefully according to instructions and with feet well away from the blade.

31. Do not tilt the scarifier when starting the engine.

32. Do not tamper with the safety features.

33. If the scarifier starts to vibrate abnormally, check immediately.

34. Keep children, people and pets at a safe distance (at least 20m) when the scarifier is in use.



General Safety

Getting To Know The Machine

Machine Description And Scope Of Application

The HYSC210 is a petrol lawn scarifier from Hyundai, ideally suited for small to medium sized lawns. The HYSC210 has a working width of 400mm and is powered by a 210cc 4-stroke OHV petrol engine.

This machine is a garden tool and precisely a pedestrian controlled lawnmower. The machine is essentially composed of an engine which drives a blade enclosed in a casing, equipped with wheels and a handle. The operator is able to operate the machine and use the main controls, always staying behind the handle at a safe distance from the rotating blade. If the operator leaves the machine, the engine and cutting means will stop within a few seconds.

The scarifier is manufactured according to the latest safety requirements. These include the OPC lever which stops the engine when you let go of the lever. Every precaution is only effective when it is followed exactly.

These include the OPC lever which stops the engine when you let go of the lever.

Intended Use

The basic version of the equipment is a scarifier intended for private use, i.e. for use in home and gardening environments. The scarifier roller is designed for ripping moss and weeds out of the soil and for loosening the soil. As a result your lawn can absorb nutrients better and is cleaned. We recommend you to scarify your lawn in the spring and autumn.

User Types

This machine is intended for use by consumers, i.e. non professional operators.

The machine is intended for “DIY” and domestic use only.


Improper Use


Any other usage not in keeping with the above mentioned ones may be hazardous and harm persons and/or damage things. Examples of improper use may include, but are not limited to:


- transporting people, children or animals on the scarifier
- letting yourself be transported by the scarifier
- using the machine to tow or push loads
- using the machine for leaf or debris collection
- use of the machine by more than one person
- using the scarifier on surfaces other than grass


Assembly Safety


Getting Started


 **CAUTION** - This guide is meant to serve as a quick reference for operating your HYUNDAI scarifier. We always advise reading the manual in full before operation.

 **CAUTION** - For OUTDOOR use ONLY. Petrol machines produce 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.

 **NOTE** - Images may vary depending on model.

 **NOTE** - The scarifier can be supplied with some parts already assembled. Prior to assembly, check all items have been received.

 **WARNING** - Unboxing and assembling the scarifier should be done on a flat, stable surface with enough room. Disposal of the packaging should be done in accordance with the local regulations in force.

 **NOTE** - This machine is shipped without fuel and oil and MUST be filled before use. Failure to do so may cause damage to the engine that will not be covered by warranty.

As soon as you have purchased your machine, we recommend that you fill out the information on page 38. If you need to contact an authorised dealer or customer service for information on servicing, you may need to provide this information.

There is also a service record so you can keep track of your scarifier service dates.

Assembly

 You must read the assembly safety on the previous page before you begin.

STEP 1



Attach the lower handle to the mounting bracket on the scarifier deck by sliding the bolt through the lower handle bar and through one of the 2 different handlebar height holes on the mounting bracket.

STEP 2



Place a washer over the bolt.

STEP 3



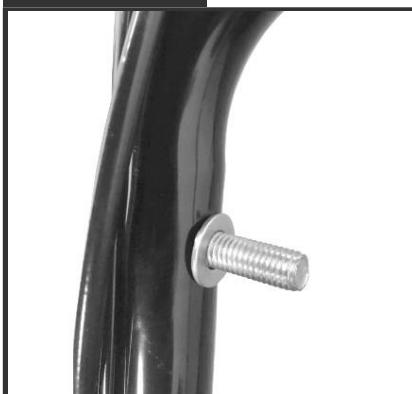
Secure in place with the hand wheel and tighten securely.

STEP 4



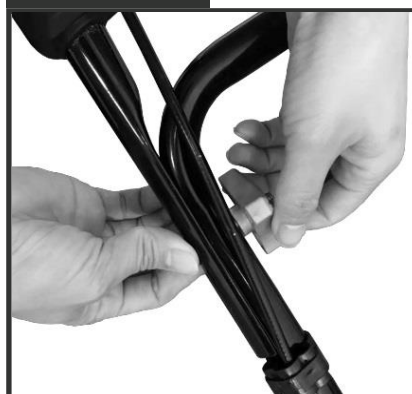
Attach the upper handle to the lower handle by sliding the bolt through both handlebars.

STEP 5



Place the washer over the bolt.

STEP 6



Secure in place with the hand wheel and tighten securely

Assembly

STEP 7



Lift the rear discharge flap and hook the grass catcher over the back of the scarifier.

STEP 10



Attach the cable clamp around the cable and fix to the handlebar.

STEP 8



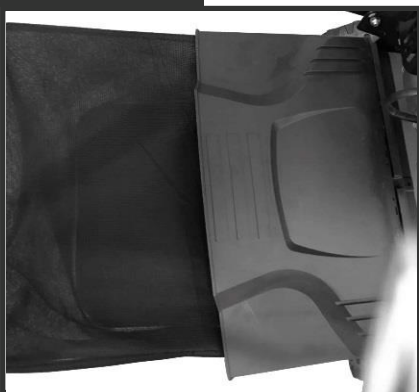
Manoeuvre the grass collector into position ensuring it is hooked firmly in place.

STEP 11



Slowly pull the recoil starter handle up to the handle retaining loop.

STEP 9



Lower the rear discharge flap until it rests on the grass collector.



Cable Attachment

Cable Attachment

NOTE - If you are stood behind the lawnmower:

OPC Cable: This attaches to the lever in front of the main handlebar and if followed, will attach to the engine.

STEP 1



Gently prise the lever from its locating hole in the main handlebar.

STEP 2



Insert the end of the cable in to the hole in the lever.

STEP 3



Position the cable until it lies flat in the lever.

STEP 4



Refit the lever back into its location hole on the main handlebar (lower hole).

Check the cable lies flat and has not snagged on any other part of the lawnmower.

Starting Procedure



CAUTION - For OUTDOOR use ONLY.

Petrol machines produce 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.



NOTE - This machine is shipped without fuel and oil and **MUST** be filled before use. Failure to do so may cause damage to the engine that will not be covered by warranty.

Oil: 600ml SAE 30 or 15W40 engine oil

Fuel : 3.6L straight unleaded petrol



CAUTION! ALL FUELS ARE FLAMMABLE

Always fuel and de-fuel in a well ventilated area away from sources of ignition.

Before Each Use

- Always ensure that the scarifier is in a safe working condition. Inspect the machine, check safety devices and guards and check all nuts, bolts and screws are secure.
- Check the oil level, go to page 25 for instructions.
- Fill the fuel tank with unleaded petrol. Go to page 25 for instructions.
- Check the OPC cable, if there is more than 10mm movement in the OPC lever before the cable begins to move, then the OPC cable will require adjustment.

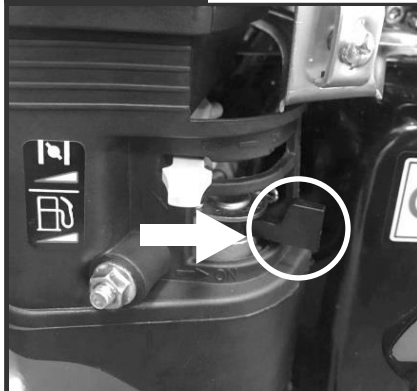
Cold Start

STEP 1



Turn the engine switch to the ON position.

STEP 2



Move the fuel tap to the ON position. (Bottom lever to the right).

STEP 3



Move the choke lever to the START position. (Top lever to the left).



Starting Procedure

STEP 4



Pull back and hold the Operator Presence Control lever towards the main handle.

STEP 5



Gently pull the recoil starter handle until you feel resistance, then pull swiftly until the engine starts.

STEP 6



When engine starts, move the choke lever back to the RUN position.

Warm Start

STEP 1

Repeat the cold start procedure but leave the choke in the ON position.

Stopping Procedure

⚠ CAUTION - The engine and exhaust will remain hot for a while after use. Ensure the engine and exhaust has cooled before carrying out any maintenance, refuelling or storage.

After Each Use

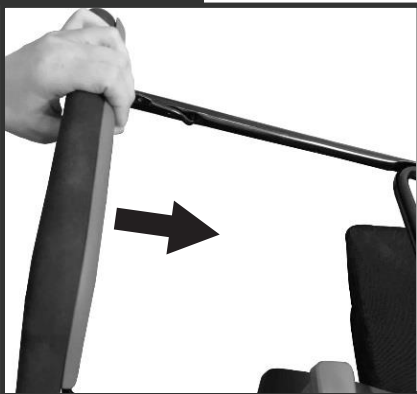
- Examine the machine for damage.
- Clean the machine if necessary, go to page 30 for more information on how to clean your machine.

Stopping Procedure

STEP 1

Allow the machine to run at idle for 20 seconds.

STEP 2



Release the Operator Presence Control Lever.

STEP 3



Turn the engine switch to the OFF position.

STEP 4



Move the fuel tap to the OFF position.

Using The Machine

⚠ CAUTION - Do not make any adjustment to the scarifier without stopping the engine first.

⚠ NOTE - Check the oil level before operation.

Adjusting Working Depth

The scarifier is equipped with a working depth adjustment lever offering multiple working depths. The working depths are:

- 3mm
- 6mm
- 9mm
- 12mm
- 15mm

STEP 1

To adjust the working depth, first stop the machine and switch the engine off.

STEP 2



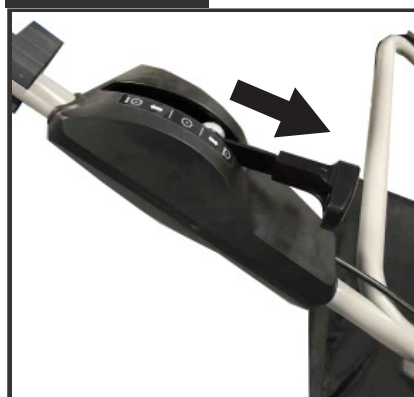
Turn the working depth adjustment knob anti-clockwise to lower the blade or clockwise to raise the blade.

STEP 3



Move the transport lever to the transport position when turning or moving the scarifier to stop the blades from touching the ground.

STEP 4



Move the transport lever forward to lower the blade and start working.

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	Throttle choke is not in the correct position	Move throttle choke to correct position
	Fuel tank is empty.	Fill tank with fuel
	Air cleaner element is dirty.	Clean air cleaner element
	Spark plug loose.	Tighten spark plug.
	Spark plug wire loose or disconnected from plug.	Install spark plug wire on spark plug.
	Spark plug gap is incorrect.	Set correct gap between electrodes.
	Carburetor is flooded with fuel.	Remove air cleaner element and pull starter rope continuously until carburetor clears itself and install air cleaner element.
	Faulty ignition module.	Contact the service agent.
Motor speed drops off	Depth of cut too great	Set to smaller depth of cut
	Grass too high	Mow the lawn before scarifying
	Ejector channel blocked	Pull out spark plug connector, remove blockage
	Air filter clogged	Clean air filter
	Depth of cut too small	Set to correct depth of cut
	Worn cutting blades	Having cutting blades replaced in a specialist work shop
	Grass catcher is full/clogged	Stop scarifier. Unload grass catcher or clean it
	Ejector channel blocked	Pull out spark plug connector, clean ejection channel
	Bolts, nuts or other mounting parts slack.	Tighten parts.
	Cutting assembly is loose.	Tighten parts.




Specifications


NOTE - All machines are tested and inspected so there may be some residual oil left in the machine so please fill with caution.

Model	HYSC210
Engine Type	Single Cylinder OHV
Engine Size	210cc
Nominal Power	5kW
Engine Speed	2800rpm
Fuel Tank Capacity	3.6L
Fuel Type	Unleaded Petrol
Oil Tank Capacity	600ml
Oil Type	SAE 30 or 15W40 Engine Oil
Working Width	400mm
Grass Collector Capacity	45L
Height Adjustment	+15mm to -15mm
Measured Noise Level	101dB(A)
Guaranteed Noise Level	105dB(A)
Vibration Value	5.37m/s ² K=1.5m/s ²
Net Weight	39kg
Dimensions (L x W x H)	1260 x 610 x 1070mm

Maintenance & Care

Safety

 **1. WARNING** - Before cleaning or doing maintenance work, you need to disconnect the spark plug cable and read the relevant instructions. You need to wear proper clothing and protective gloves whenever your hands are at risk.

 **2. WARNING** - If there are worn or damaged parts, never use the machine. Faulty or worn-out parts must be replaced and not repaired. You must only use original spare parts. The use of non-original and/or incorrectly fitted parts will jeopardize the safety of the machine. This may also cause accidents or personal injuries for which the manufacturer is under no circumstance liable or responsible.

3. Any maintenance operations or adjustments not explained in this manual must be carried out by your Dealer or a specialised Service Centre with the necessary knowledge and equipment to ensure that the work is done correctly maintaining the scarifier's original safety level. Any operations performed in unauthorised centres or by unqualified persons will invalidate the Warranty and all obligations and responsibilities of the Manufacturer.

4. Disconnect the spark plug cable and check for damage after each use.

5. To be sure the machine is in safe working condition, keep all nuts, screws and bolts tight. Routine maintenance is essential for safety and for maintaining a high performance level.

6. On a regular basis, check that the blades screws are properly tightened.

7. When handling, disassembling and re-assembling the blade, make sure to wear work gloves.

8. Keep the blade well balanced during

sharpening. All work on the blade (disassembly, sharpening, balancing, re-assembly and/or replacing) should be carried out at a specialised centre as they are demanding jobs that require special skills and special tools.

9. Be very careful during adjustment of the machine to prevent entrapment of the fingers between moving parts of the blade and fixed parts of the machine.

10. Do not touch the blade until the spark plug has been disconnected and the blade is completely stationary. When servicing the blade, even though the spark plug cable is disconnected, the blade can still move.

11. Check the grass collector frequently. Replace if damaged.

12. If any warning message stickers or instruction is damaged, replace them.

13. Store the machine in a safe place, out of the reach of children.

14. Do not store the machine with fuel in the tank in an area where the fuel vapours could reach an open flame, a strong heat source or a spark.

15. Engine must be cooled down before storing.

16. To reduce fire hazards, keep the engine, silencer, battery compartment and petrol storage area free of grass, leaves, or excessive grease. You must always empty the grass collector and do not leave containers full of cut grass inside storage areas.


17. To reduce fire hazards, check there is no oil and/or fuel leaks on a regular basis.

18. If you need to empty the fuel tank, this should be done outdoors once the engine has cooled down.



Maintenance & Care

Routine Maintenance

 **IMPORTANT** - Routine and accurate maintenance is essential for maintaining original machine safety and performance levels.

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


Only use original spare parts: The use of non-original and/or incorrectly fitted parts will jeopardize the safety of the machine, may cause accidents or personal injuries for which the Manufacturer is under no circumstance liable or responsible.

1. Wear strong protective gloves before cleaning, maintaining or making adjustments to the scarifier.
2. You must remove grass and mud from the machine to prevent it from drying. This will cause problems the next time the scarifier is used. For more information on cleaning, go to page 30.
3. Paint on internal chassis parts may start to flake over time due to abrasive action of cut grass. If this happens, you should touch-up with rust-proof paint to prevent rusting that could corrode the metal. You can also use a light oil or silicone spray to prevent rust.
4. If you need to access the lower part of the scarifier, you must tilt the scarifier with the air filter facing up, following the relevant instructions, making sure that the machine is stable before performing any interventions.
5. Make sure not to drip petrol onto the plastic parts to prevent damaging them and remove all traces of spilled petrol immediately. The warranty will not cover damage to plastic parts caused by petrol.

6. It is highly recommended to change the engine oil every 100 hours or 12 months. This will ensure the machine will function properly over time. The oil can be discharged at a specialised servicing centre, or by using a syringe to suction the oil out through the filler spout, bearing in mind you may need to repeat the operation several times in order to completely empty the tank. Remember to top-up with oil before using the machine again.

7. Lubricate the wheel bearings with a suitable lubricant.

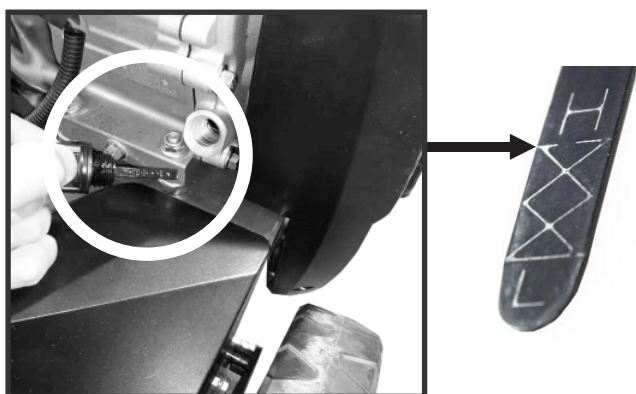
8. It is necessary as part of routine maintenance to adjust the OPC (Operator Presence Control) cable tension to ensure the lawnmower will start correctly. If there is more than 10mm movement in the OPC lever before the cable begins to move, then the OPC cable will require adjustment.

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

Checking Oil And Fuel

Checking Oil Level

1. Remove the oil filler cap and wipe the dipstick clean.
2. Refit the dipstick without screwing it down.
3. Remove the dipstick and check the oil level. It should be up to the upper mark on the dipstick. DO NOT overfill. The oil level should not be above the upper mark on the dipstick. The oil capacity is 450ml.
4. If the oil level is too low, add SAE 30 engine oil part number '600MLS30OIL' or 15W40 engine oil, to the upper mark on the dipstick (as shown below) or until the oil level is to the top of the filler neck.



5. Once the correct amount of oil has been added, refit the dipstick securely.

If you do overfill, gently tilt the machine with the air filter facing upwards and allow the excess oil to drain from the dipstick port, into a suitable container or use an oil syringe.

You should change the oil, every 100 hours or every 12 months.

Filling The Fuel Tank

⚠ 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.

1. Remove the fuel filler cap.
2. Fill the fuel tank with fresh straight unleaded petrol. Allow a 25mm gap from the top of the tank. DO NOT mix petrol with oil.
3. Refit the fuel filler cap securely and clean up any fuel spill before starting the engine.



DO NOT overfill. The fuel tank only needs to contain enough fuel to complete the days mowing. If you run out of fuel, refilling must only be done once the engine has cooled down. Fuel stored within the machine for 28 days or more can go stale and should be drained before further use.



Maintenance & Care

The Spark Plug

STEP 1

You **MUST** allow the engine to cool down before carrying out any maintenance.

STEP 2

Always replace with the same model spark plug as fitted.

STEP 3

Remove the spark plug HT lead cap. Undo the spark plug from the engine and remove.

STEP 4

Visually inspect the spark plug for signs of damage, wear or carbon build up. If damaged or worn, replace immediately.

STEP 5

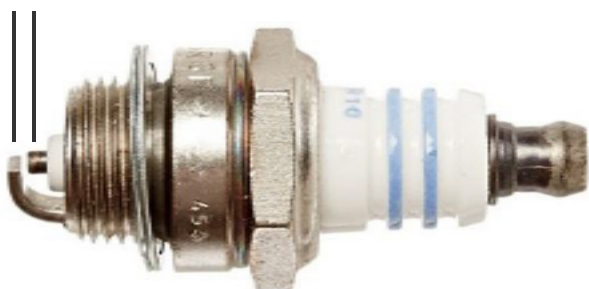
To clean the spark plug, gently clean the electrode with a soft wire brush.

STEP 6

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.

0.028" to 0.031"

0.70mm to 0.80mm



STEP 7

Refit the cleaned and adjusted spark plug by hand to avoid cross threading then lightly tighten with a plug spanner.

STEP 8

Re-attach the spark plug HT lead cap.



Spark Plug

Spark Plug
Cap

Maintenance & Care

Air Filter

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

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

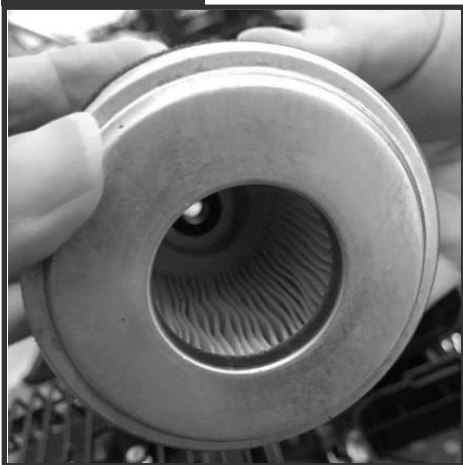
Never operate the machine without the air filter being fitted it can cause damage to the engine which is not covered by warranty.

STEP 1



Push the quick release latches at each end to remove the air filter cover.

STEP 2



Remove the air filter element.

STEP 3

Inspect the air filter and if it shows any signs of damage or wear, replace immediately.

STEP 4

To clean the element, blow air through it using an air gun not exceeding 30psi.

NEVER use a brush to clean the filter, it will only drive the dirt into the fibres of the filter. Wipe any dirt from the air cleaner body using a moist cloth, be careful to prevent dirt or debris entering into the carburetor.

STEP 5

Refit the air filter and replace the air filter cover.

Maintenance & Care



Fuel And Carburetor



CAUTION - ALL FUELS ARE FLAMMABLE

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

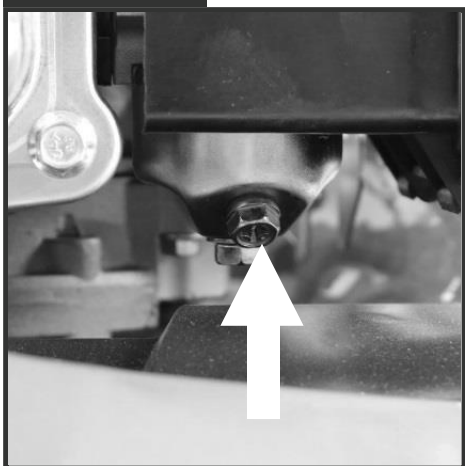
ALWAYS wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are but not limited to safety gloves, overalls.

- The use of old or stale fuel will impair starting and running of the machine.
- Make sure that the machine has fresh unleaded fuel and always remove fuel before storing for long periods.
- Never mix fuel and oil.

STEP 1

To drain the carburetor, clamp the fuel pipe leading into the carburetor.

STEP 2



Undo the drain bolt on the carburetor float bowl and allow the fuel to drain into a suitable container. Take care not to spill fuel and make sure that all spilt fuel is cleared away safely.

STEP 3

Refit the drain bolt, remove the fuel pipe clamp and refill with fresh unleaded petrol.

Blade Removal

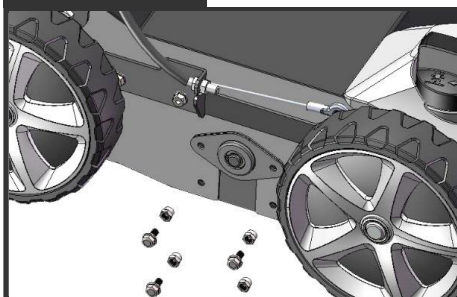


CAUTION - Drain the machine of fuel before removing or replacing the blade.

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

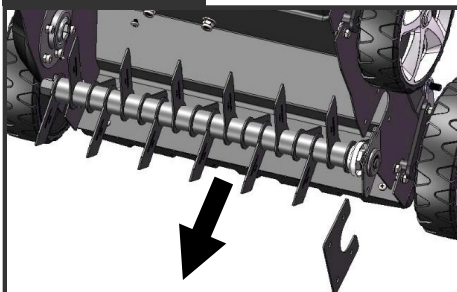
ALWAYS wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are but not limited to safety gloves, overalls.

STEP 1



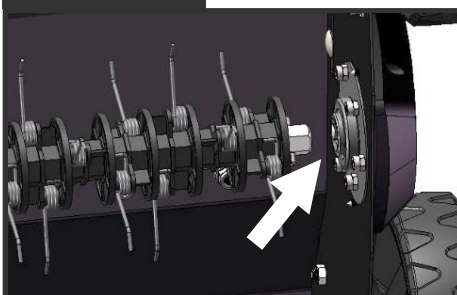
Undo the 4 bolts on the side of the machine.

STEP 2



Remove the shaft securing bracket and slide the blade out in the direction of the arrow.

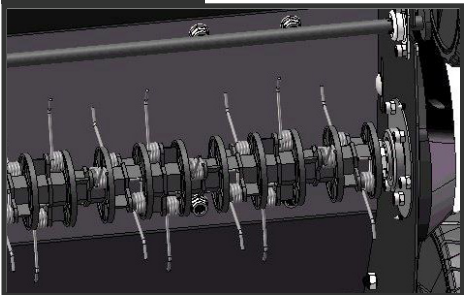
STEP 3



To reinstall, slide one end of the blade into the hexagonal locating socket.

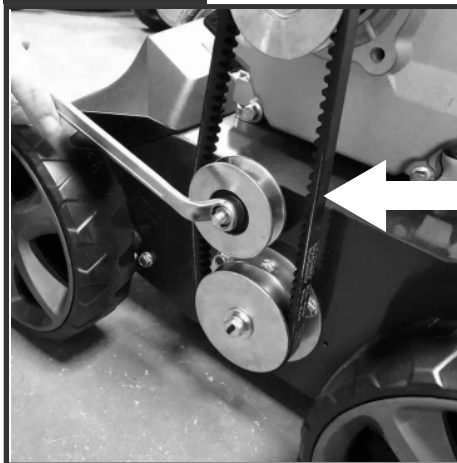
Maintenance & Care

STEP 4



Refit the shaft securing bracket and bolt back in to place.

STEP 3

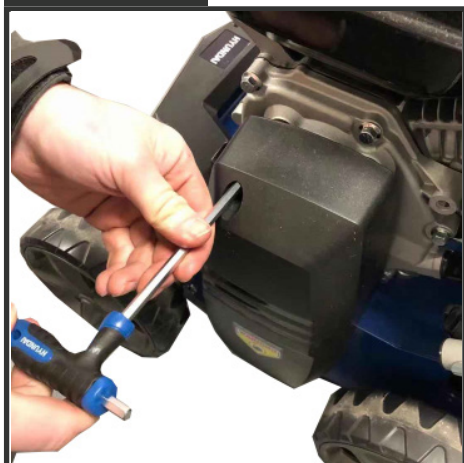


Check belt tension (arrowed). There should be 10-15mm of movement. To tighten belt, loosen the centre pulley bolt and push pulley towards the front of the scarifier to take up slack and re-tighten centre bolt.

Do not over-tighten belt.

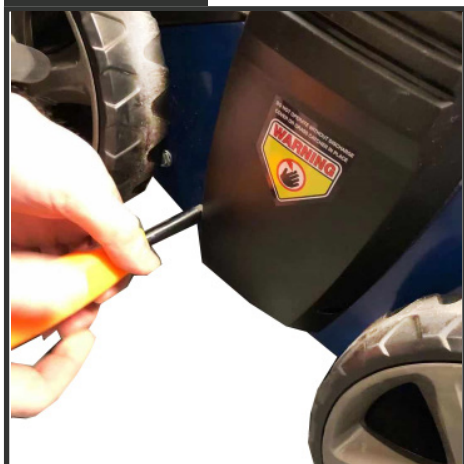
Re-fit guard before use.

STEP 1



Using a 6mm hexagonal key, undo the bolt at the top of the belt guard.

STEP 2



Using a Phillips screwdriver, remove the two screws at the bottom of the belt guard.

Contact Us



www.hyundaipowerproducts.co.uk




01646 687 880




aftersales@hyundaipowerproducts.co.uk

Maintenance & Care


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.

 **NOTE** Engine must be switched off and plug lead disconnected.

- Wipe the machine down with a damp cloth after every use.
- For larger build ups of debris, use a scraper or similar product.
- Dry the machine completely to prevent rust from forming.
- Use a light silicone spray on exposed metal parts to protect the metal.
- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use.
- Pores in the grass collector can become filled with dirt and dust during use and will collect less grass. To prevent this, regularly hose the collector off with water and let to dry before using.

Storage

 **CAUTION** - When storing the machine, make sure it has been cleaned as in the section before.

NOTE - If storing the scarifier for a period of 30 days or more, you must follow proper storage and winterisation guidelines to avoid any possible issues with your machine. Incorrect storage can lead to possible fueling or engine issues that will not be covered by the warranty.

The following steps should be taken to prepare your scarifier for storage.

1. Drain all the fuel from the fuel tank and then run the scarifier until it has completely run out of fuel to clear the remaining fuel from the fuel lines and carburetor.
2. Drain the oil from the engine.
3. Follow the cleaning instructions as set out in the previous section.
4. Follow the maintenance section and check, service or replace serviceable items if required. 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.
5. Clean the machine completely and make sure all moving parts are lubricated with a light silicone based spray or grease.
6. Drain and replace with new SAE 30 or 15w40 engine oil, fill to the upper mark on the dipstick.

Maintenance & Care

7. Remove the spark plug and pour 1 teaspoon of fresh engine oil down the cylinder bore. With the spark plug still removed, cover the spark plug hole with a lint free clean cloth, ensuring no dirt or debris falls into the cylinder chamber and gently pull the recoil starter handle to coat the cylinder bore with the fresh oil.

9. Refit the spark plug.

10. Visually inspect the machine and replace or repair any worn parts.

10. Once all work above is carried out store the machine in a clean, cool and dry place away from sources of ignition and varying changes in temperature. DO NOT store a machine that has not been given time to fully cool down.

11. Do not stack other items on top of the machine when in storage.

12. When the machine is to be next used, fill with fresh unleaded petrol and not petrol that has been stored for periods of more than 30 days.

NOTE - If you are folding the handles forward, take care not to snag the cable.

Transportation And Handling

1. Whenever the machine is to be handled, lifted, transported or tilted you must:

- Wear sturdy work gloves
- Hold the machine at the points that offer a safe grip, taking into account the weight and relative distribution of the same
- Use an appropriate number of people for the weight of the machine and the characteristics of the vehicle or the place where it must be placed or collected
- You must make sure that machine movements do not cause petrol leaks, damage or injuries.

2. During transport, make sure to fasten the machine securely with cables or chains.

Environmental Protection

1. Environmental protection should be a priority of considerable importance when using the machine, for the benefit of both social coexistence and the environment in which we live. Try not to cause any disturbance to the surrounding area.

2. You must comply with local regulations and provisions for the disposal of packaging, oils, petrol, filters, damaged parts or any elements which have a strong impact on the environment. This waste must not be disposed of as normal waste. It needs to be separated and taken to specified waste disposal centres where the material will be recycled.

3. You must comply with local regulations for the disposal of waste materials after mowing.

4. When disposing, do not pollute the environment with the machine, but hand it over to a disposal centre, in accordance with the local laws in force.

Contact Us



Maintenance & Care

Recycling And Disposal



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.

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.

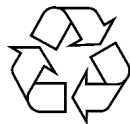
Certain products contain WEEE waste which should not be disposed of in your domestic waste.

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

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

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

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.



This symbol means you should 'Reduce - Reuse - Recycle'

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

For further information about disposal please contact your Local Authority.

You can also get more advice and guidance about recycling at the following website <http://www.recycle-more.co.uk>

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.

Spare Parts

Only use original spare parts: The use of non-original and/or incorrectly fitted parts will jeopardize the safety of the machine, may cause accidents or personal injuries for which the Manufacturer is under no circumstance liable or responsible.

Part	Part Number
Blade	PAB003200
Grass Collector	Metal Bracket - PAB005116 Fabric Bag - PAB005117
Spring Claw Assy	PAB003201
Wheel	HYSC210WHEEL
Recoil	HYSC210RECOIL
Spark Plug	PAE006269
Engine Oil SAE 30 or 15W40	600MLSAE30OIL



About Scarification

What Is Scarification?

Scarification is the removal of moss, lawn clippings and dead grass blades from the stem of the grass to maintain a healthy growing environment. It is intensive airing of the lawn surface.

- Perfect for revitalising and reviving the most tired and spongiest of lawns.
- It is important to do this because the lawn gradually gets covered which results in a reduced amount of oxygen getting to the grass.
- The lawn will be able to absorb water better and it prevents water logging.
- Ventilation is important so that the lawn can absorb nutrients and it needs air to be able to breathe.

How Does It Work?

Before Scarification

Over time, your lawn collects lawn clippings, moss, etc. These create a seal and do not allow water, air and nutrients into the root of the grass.

During Scarification

Scarification removes moss, lawn clippings, and dead grass blades from the stem of the grass to maintain a healthy growing environment.

After Scarification

After scarification, the lawn will be able to absorb water and oxygen better. It will also absorb nutrients and your lawn will be able to breathe.

Scarification

The steel blades are specially designed to remove moss, thatch and dead grass. During use, the blades penetrate the ground to ensure the lawn absorbs nutrients better.

Aerating

The rake rotates and during aeration, the surface of the ground is scratched. This improves water drainage and the absorption of oxygen.

For Best Results

- For best results, your lawn should be scarified every 4-6 weeks.
- We recommend scarifying the lawn in Spring and Autumn.
- We recommend aerating the lawn during the entire growing period.

Our Product Range

Generators

Leisure Inverter, Petrol, Diesel And Built-In Motorhome Generators

Pressure Washers

Petrol, Diesel And Electric Pressure Washers

Water Pumps

Submersible, Clean And Dirty Water And Professional Chemical Water Pumps

Lawnmowers

Petrol, Cordless, Electric, Roller, Self Propelled And Electric Start Lawnmowers

Grass Trimmers And Brushcutters

Petrol, Cordless And Wheeled Grass Trimmers And Brushcutters

Chainsaws

Petrol, Cordless And Electric Chainsaws

Hedge Trimmers

Petrol And Cordless Hedge Trimmers

Leaf Blowers

Petrol, Electric, Cordless, Backpack And 3 -in-1 Leaf Blowers

Log Splitters

Horizontal, Vertical, Petrol And Electric Log Splitters

Wood Chippers

Petrol And Electric Start Wood Chippers

Tillers

Petrol Garden Tiller And Cultivator

Earth Augers And Trenchers

Petrol Earth Augers And Heavy Duty Trenchers

Compactor Plates

Petrol Compactor Plates

Cement Mixers

Portable Electric Cement Mixers

Mini Dumpers

4-Wheel Drive Mini Dumper / Power Barrow

Yard Sweeper

Self Propelled Yard Sweeper Power Brush

Scarifiers

Petrol Lawn Scarifier And Aerator

Stump Grinders

Petrol 4-Stroke Stump Grinders

Welders And Plasma Cutters

MIG, TIG, MMA, ARC Welders And Plasma Cutters

Power Tools And Tool Chests

Electric And Cordless Power Tools And Caster Mounted Tool Chests

Vacuum Cleaners

Wet And Dry Vacuum Cleaners

Engines

Petrol And Electric Start Engines

Battery Chargers / Starters

6V, 12V, 24V Battery Chargers, Jump Starters And Hydraulic Floor Jack

Air Compressors

Home, Domestic, DIY And Professional Use Air Compressors

Lighting Towers

Mobile Lighting Towers With Diesel Generators

And More

We Are Constantly Expanding Our Range With New Products

If you would like more information on any of these products, please contact our sales team on 01646 687880 or visit our website www.hyundaipowerproducts.co.uk

Contact Us



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Useful Information

Check Out Our YouTube Channel

Our videos on YouTube include:

- Unboxing
- Assembly of your machine
- How to service your machine
- Products in use
- 'How To' videos
- Product features

Go to www.hyundaisupport.co.uk or search 'Hyundai Power Products' in YouTube.

Warranty

Register your 3 year warranty within 30 days of purchase at:
www.hyundaipowerequipment.co.uk/warranty

Full warranty terms and conditions can be found on the HYUNDAI POWER PRODUCTS website:
www.hyundaipowerproducts.co.uk

Manual Updates

Our manuals are constantly being reviewed and updated. Should you find an error, omission or something unclear, please contact us for assistance.

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

Our latest manuals are also placed online. All our manuals can be downloaded at:
www.hyundaipowerproducts.co.uk

Returning Your Product

If you are returning your product, please contact the dealer for their returns policy.

Leaving A Review

We work very hard to give all of our customers the best possible service.

If you have any problems, before leaving negative feedback, please contact us to give us a chance to resolve the issue.

We would be delighted if you left us positive feedback!

To leave a review, please go to:
uk.trustpilot.com/review/hyundaipowerequipment.co.uk

Ordering Spare Parts

Only use original spare parts: The use of non-original and/or incorrectly fitted parts will jeopardize the safety of the machine, may cause accidents or personal injuries for which the Manufacturer is under no circumstance liable or responsible.

Go to page 33 for part numbers.

Notes

[illegible]

Need Help? Talk To Our Experts

Contact Us

Our friendly aftersales team will be more than happy to help you.

Phone

Call our team on 01646 687880, open Monday-Friday 8.30am-5pm.

Email

aftersales@hyundaipowerproducts.co.uk

Online Live Chat

Go to www.hyundaipowerproducts.co.uk

Live chat is open Monday-Friday from 8.30am-5pm.

Post

Genpower Limited, Isaac Way, Pembroke Dock, Pembrokeshire, SA72 4RW, UK.

As soon as you have purchased the machine, we recommend that you fill out the following. If you need to contact an authorised dealer or customer service for information on servicing, you may need to provide the following information.

The model number and serial number can be found on the grey specification sticker on the lawnmower deck.

Date Of Purchase:

Dealer Name:.....

Dealer Phone:.....

Model Number:.....

Serial Number:.....

Service Record

1st Service

Date Of Service.....

Next Service Due.....

2nd Service

Date Of Service.....

Next Service Due.....

3rd Service

Date Of Service.....

Next Service Due.....

4th Service

Date Of Service.....

Next Service Due.....

Declaration Of Conformity

EC Declaration of Conformity

We hereby declare that the machine detailed in this declaration complies to all the relevant provisions of the following EC directives.

- 2006/42/EC The Machinery Directive
- 2014/30/EU Annex II Electromagnetic Compatibility Directive
- 2016/1628/EC The Emission of Gaseous and Particulate Pollutants from internal Combustion engines
- 2000/14/EC Noise Emissions in the Environment by Equipment for use Outdoors.

And is in conformity with the applicable requirements of the following documents:

- EN ISO 3744:1995
- EN ISO 11094:1991
- EN 13684:2018
- EN 14982:2009

Declaration for 2000/14/EC Noise Emissions in the Environment by Equipment for use Outdoors.

Notified Body for EC Directive 2000/14/EC TÜV Rheinland (Shanghai) Co., Ltd.

Model	Type	Cutting Width	Measured Sound Power	Guaranteed Sound Power	Engine speed (rpm)
HYSC210	Petrol lawn scarifier	400mm	101dB(A)	105dB(A)	3400

Product Details

Brand: Hyundai

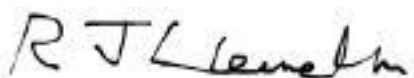
Model: HYSC210

Description: Petrol lawn scarifier

Name and address of technical documentation holder and EU distributor:

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

Signed by:



Roland Llewellyn, Managing Director

Date: 10/12/2019

Contact Us



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HYUNDAI

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