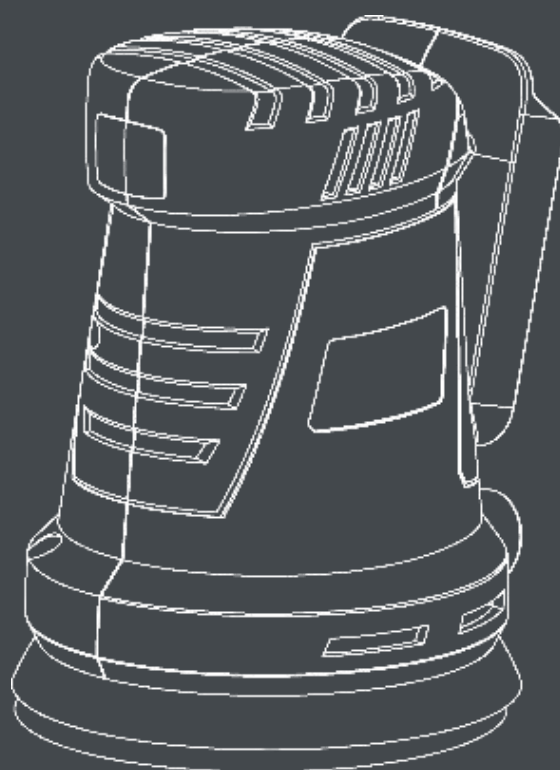


HYUNDAI
POWER PRODUCTS

CORDLESS ORBITAL SANDER

HPE20V2A

ORIGINAL INSTRUCTIONS



1. APPLICATION

This product is intended exclusively for non-professional use for dry sanding of wood, plastic, putty and painting surfaces or varnished. This product is not suitable for sanding plaster-based substrates.

This product is not intended for commercial use. The generally recognized accident prevention regulations and the security provided must be observed. Only perform the work described in this manual. Any other use is inappropriate. The manufacturer declines all responsibility for damage resulting from such use.



WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2. SAFETY INSTRUCTIONS



WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**
Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

5) Battery tool use and care

- a) **Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*
- b) **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*
- d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** *Liquid ejected from the battery may cause irritation or burns.*
- e) **Do not use a battery pack or tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*

NOTE The temperature „130 °C“ can be replaced by the temperature „265 °F“.

- g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

6) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

b) **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

Special safety instructions

- a) Make sure that the ventilation slots are not obstructed.
- b) Always immobilize the workpiece with a clamping device. Never hold the piece to work by hand.
- c) Use the type of abrasive sheet suitable for the type of work to be performed.
- d) Never use oversized sanding tools.
- e) Never use damaged or worn abrasive sheets, or sheets that do not adhere firmly to the sanding pad.
- f) Never place your hand or fingers near the sanding pad while the sander is running.
- g) Keep the power cord well away from the work area.
- h) Keep the handle and sander clear of oil, grease, water and other liquids.
- i) Never touch the sander until it stops completely.
- j) Do not touch the workpiece or metal chips before cooling.
- k) Do not use the sander to machine magnesium part

WARNING: some dust produced by sanding, sawing, grinding, drilling, and other construction operations contain known chemical elements that can cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals:

- Lead from base paints
- Crystalline silica from bricks and cement and other masonry products
- Arsenic and chromium from chemically treated wood.

The risk associated with these exposures varies according to the frequency of this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area and use approved safety equipment such as dust masks that are specially designed to filter microscopic particles.

SAFETY INSTRUCTIONS FOR BATTERIES AND CHARGER

Batteries

- Never attempt to open for any reason.
- Do not store in locations where the temperature may exceed 40°C (104°F).
- Charge only at ambient temperatures between 4°C and 40°C (39.2°F and 104°F).
- Charge only using the charger provided with the tool.
- Store your batteries in a cool dry place (5°C-20°C/41°F-68°F). Never store batteries in discharged state.
- It is better for Li-ion batteries to discharge and reload them regularly (at least 4 times a year). The ideal charge for long-term storage of your Li-ion battery is 40% of capacity.
- When disposing of batteries, follow the instructions given in the section "Protecting the environment".
- Do not cause short circuits. If connection is made between the positive (+) and negative (-) terminal directly or via accidental contact with metallic objects, the battery is short circuited and an intense current will flow causing heat generation which may lead to casing rupture or fire.
- Do not heat. If batteries are heated to above 100°C (212°F), sealing and insulating separators and other polymer components may be damaged resulting in electrolyte leakage and/or internal short circuiting leading to heat generation causing rupture or fire. Moreover do not dispose of the batteries in fire, explosion and/or intense burning may result.

- Under extreme conditions, battery leakage may occur. When you notice liquid on the battery, proceed as follows:
 - ✓ Carefully wipe the liquid off using a cloth. Avoid skin contact.
 - ✓ In case of skin or eye contact, follow the instructions below:
 - Immediately rinse with water. Neutralize with a mild acid such as lemon juice or vinegar.
 - In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.



Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery.

Charger

- Use the charger provided with the tool only to charge the battery.
- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose to water.
- Do not open the charger.
- Do not probe the charger.
- The charger is intended for indoor use only.
- This charger can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

CAUTION: Do not recharge non-rechargeable batteries.

Symbols



Conforms to relevant safety standards



To reduce the risk of injury, the user must read and understand this manual before using this product.



Wear ear protectors. Exposure to noise can cause hearing loss.



Wear eye protection.



Class II, double isolation(only for charger)



Do not dispose of old appliances with domestic rubbish



Ne pas exposer le chargeur ni la batterie à l'eau.



Do not incinerate the battery or charger.



Ambient temperature of 40 ° C max. (only for the battery)

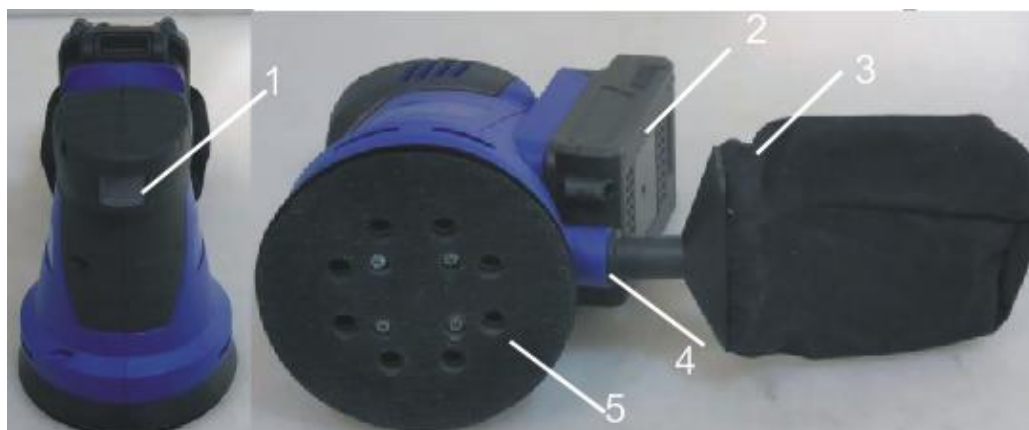


Use the battery and charger Indoor use only.



Recycling

3. YOUR PRODUCT



- 1: On-Off switch
- 2: Battery pack
- 3: Dust container
- 4: Connection pieces
- 5: Sanding plate
- 6: Charger

4. TECHNICAL DETAILS

| | |
|-----------------------------------|---|
| Power supply | 20 V d.c. |
| No Load Speed | 12000 min ⁻¹ |
| Sanding plate dimensions | 125 mm |
| Charger type | HPE20V2A Input 110-240V~ 50-60Hz,0.4A Output 20V d.c.,0.5A, 10W |
| Battery type | HPE20V2A 20V d.c. 2Ah Lithium-ion |
| Charging time | 4 hour |
| Acoustic pressure level LpA | 70 dB(A) , K = 3 dB(A) |
| Acoustic power level LwA | 81 dB(A) , K = 3 dB(A) |
| aw (Vibration) | 8.36 m/s ² (K= 1.5 m/s ²) |
| Weight (Not include battery pack) | 1.5kg |

Information

- The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;
- The declared vibration total value may also be used in a preliminary assessment of exposure.

Warning

- that the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and
- of the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

Wear hearing protection.

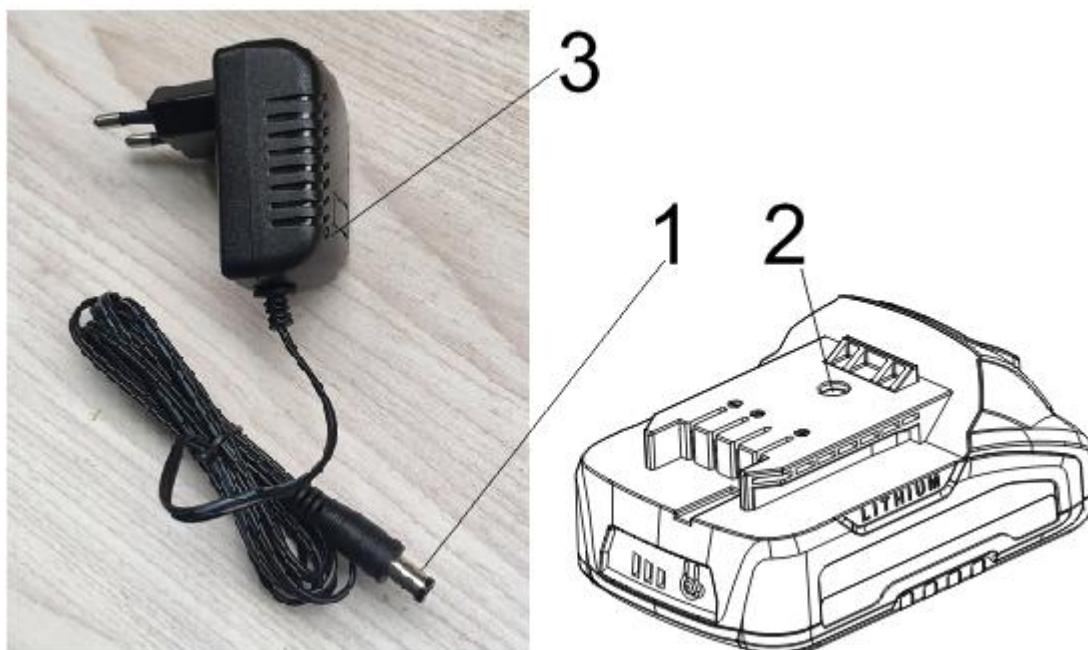
5. OPERATION

5.1 Charging the battery pack

IMPORTANT: The battery pack is not fully charged at the factory.

Before attempting to charge them, thoroughly read all of the safety instructions.

- 1) To assure that the charger you use are applicable to the battery pack.
- 2) Insert the charger into **110-240V~,50-60Hz outlet**. The indicator light (3) become to green light to show the power is connected.
- 3) Insert the end of charger(1) into the slot of battery(2). Make sure the contact with the charger is correct.
- 4) When charging The indicator light (3) become to red light.
- 5) When fully charged The indicator light (3) become to green light.



- 6).Frequently monitor the charger and battery pack while connected.
- 7).Unplug the charger and disconnect it from the battery pack when finished.
- 8).Allow the battery pack to cool completely before using it.

9). Store the charger and battery pack indoors, out of reach of children.



Note: If the battery does not fit properly, disconnect it and confirm that the battery pack is the correct model for this charger as shown on the specification chart. Do not charge any other battery pack or any battery pack that does not securely fit the charger.



NOTE: If battery is hot after continuous use in the tool, allow it to cool down to room temperature before charging. This will extend the life of your batteries.



Remove battery pack from charger stand which use your thumb or fingers, press the battery's release button in and pull the battery pack off at the same time.

Battery capacity indicator (Fig. 1a)

There are battery capacity indicators on the battery pack; you can check the capacity status of the battery if you squeeze the button. Before using the machine, please press switch trigger to check if the battery is full enough for properly working.

Those 3 LED might show the status of the capacity level of the battery: Inserting and removing the battery.



WARNING: Before making any adjustments ensure the drill is switched off with the direction of rotation selector in the center position

1. Remove the battery: press the battery release latch in and at the same time pull the battery pack off.
2. To insert the battery, push the battery pack onto the contacts of the tool.

5.2 Assembly an abrasive sheet

Warning: Remove the battery from the tool before assembly and setting!

Choose an appropriate grit sheet according to the type of work to be done.

Before mounting a new abrasive sheet, remove dust and dirt from the sanding pad with a brush.

The surface of the sanding plate is provided with a self-gripping coating, which makes it possible to quickly and easily attach abrasive sheets with self-gripping system. Apply an abrasive sheet to the bottom surface of the sanding pad with moderate pressure.

To change the sanding sheet, peel off the used sheet, discard the sanding pad from the dust and apply a new sheet to the tray. When renewing, be sure to align the holes in the paper with the holes in the sanding tray to ensure good dust evacuation.

When the sanding pad is worn, it no longer has a firm grip on the sanding sheet, so it must be replaced.

5.3 Assembly of a dust collector

Use a dust extraction device suitable for the material.

Insert the connection adapter into the outlet of the sander.

For the suction of dust particularly harmful to health, carcinogenic or dry, use specific vacuums.

After completing the work, empty the dust collection bin.

5.4 Switching ON/OFF

- Switching on: Put the on / off switch (1) in position [I],
- Switching off: Set the on / off switch (1) to position [0].

5.5 Instructions of use

For rough sanding, use a coarse grit sheet. Lightly squeeze the sander to allow it to run at a higher speed for better material removal.

For finishing sanding, use a fine grit sanding sheet. By varying the pressure slightly or changing the speed of rotation, you can reduce the speed of the sanding plate while maintaining the eccentric movement. Guide the sander to the workpiece using circular motions or alternating longitudinal or transverse passes.

An abrasive sheet with which to sand a metal should not be used for other materials.

For the polishing of varnished surfaces, it is possible to provide the sander with appropriate sanding is such as felt sheepskin disc or polishing sponge. Choose a low speed to prevent excessive heating of the surface.

Let the tool to run empty for a few minutes after a strong load to cool the power tool.

Take care to ensure sufficient dust extraction during operation.

6. Maintenance



Warning: Remove the battery before inspection, cleaning and repair

Cleaning

Clean the air vents regularly with dry compressed air. Never try to clean in inserting sharp objects into the air vents.

Do not use aggressive chemical detergents to clean plastic parts. Various chemicals can corrode and damage parts. Use only a clean cloth to remove dirt, oil, grease and dust.

Others

In order to make optimal use of the power tool, always use original accessories, which are available in all specialty stores.

7. DISPOSAL



Electrical products should not be discarded with household products. According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation into national law, electrical products used must be collected separately and disposed of at collection points provided for this purpose.

Talk with your local authorities or dealer for advice on recycling.

8. DECLARATION OF CONFORMITY



BUILDER SAS

32, rue Aristide Bergès - ZI 31270 Cugnaux - France, declares that,
Product:CORDLESS ORBITAL SANDER 20V

Trade mark: Hyundai
Model: HPE20V2A

Serial number: **20210381117-20210384012**

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);
Rohs directive 2011/65/EU + (EU) 2015/863

Directive Machine 2006/42/EC

Directive EMC 2014/30/UE

LVD Directive 2014/35/UE

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN62841-1 :2015; EN62841-2-4 :2014

EN55014-1 : 2017; EN55014-2 : 2015

EN 62233:2008

EN 60335-2-29:2004+A2:2010+A11:2018

EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019

EN 55014-1:2017

EN 55014-2:2015

EN 61000-3-2:2014

EN 61000-3-3:2013

Cugnaux, 04/01/2021

Philippe MARIE / PDG

Responsible of the technical file: Mr Olivier Patriarca

9. WARRANTY

HYUNDAI

WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



10. PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>

Our hotline remains available at +33 (9) 70 75 30 30.



11. WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

Attention: all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

Reminder: the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information:

Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.

HYUNDAI
POWER PRODUCTS

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<http://www.hyundaipower-fr.com/>

Fabriqué en République Populaire de Chine (PRC)