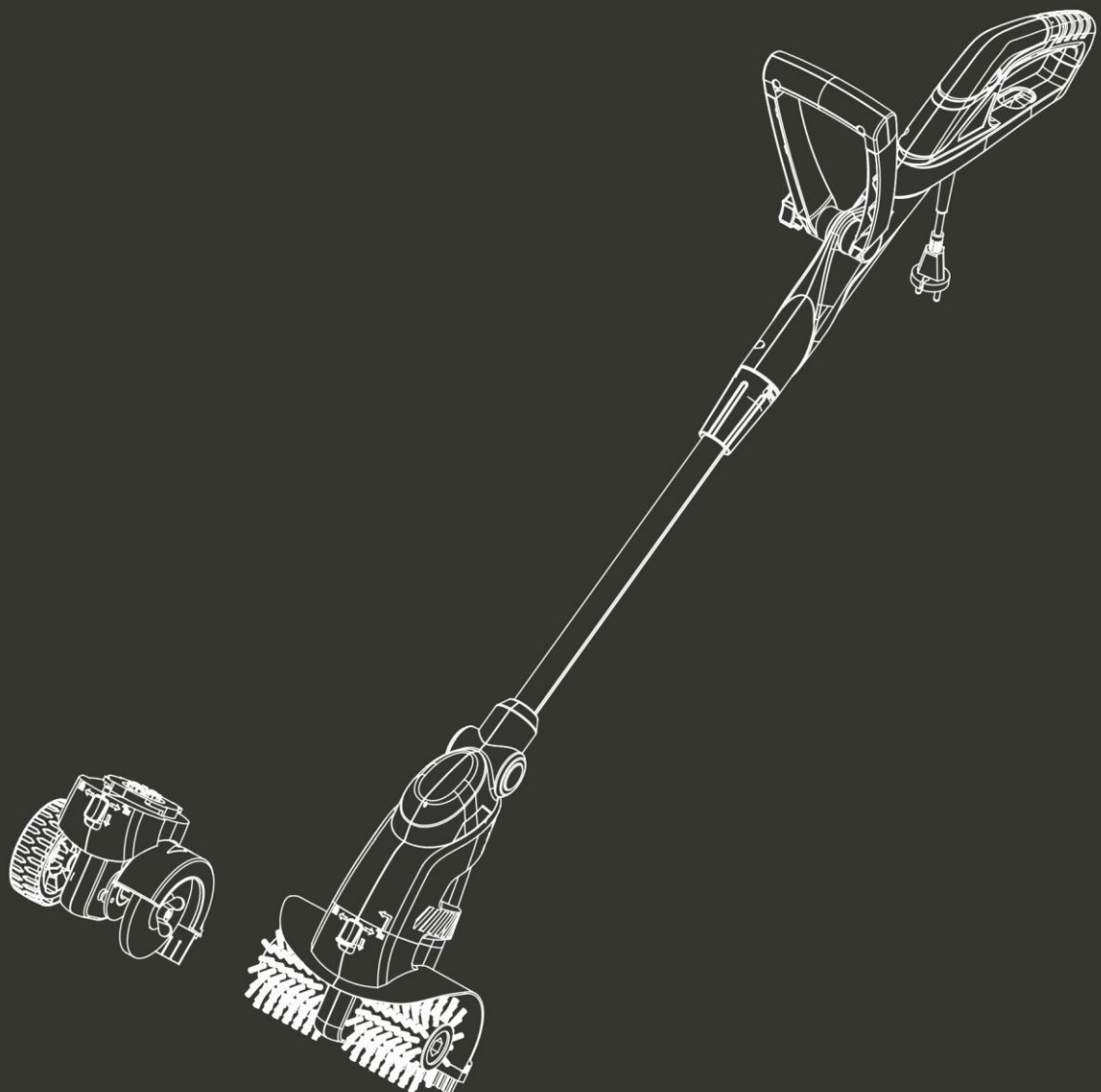


**HYUNDAI**  
POWER PRODUCTS

## **MULTI SURFACES BRUSH**

**HBE600MF**

**ORIGINAL INSTRUCTIONS**



For correct usage, read these instructions carefully and keep in a safe place for future reference.

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# 1. SAFETY INSTRUCTIONS



## IMPORTANT!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage.

Please read the complete operating instructions and safety information with due care. Keep these operating instructions in a safe place so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and the safety information as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety information.

### 1.1 GENERAL POWER TOOL SAFETY WARNINGS



**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 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, clothing and gloves 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 the battery pack 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. 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) Service

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

- Wear safety glasses when using this tool.
- Wear gloves when using this tool.
- Do not expose the tool to rain or high humidity.
- Be familiar with the controls and the correct use of the tool
- Never allow children or people unfamiliar with the instructions to use the tool.
- Keep children, other people and animals away from the tool;
- Check the device for damage before each use and have it repaired if necessary. Never use defective devices.
- Ensure good working conditions when using the device.
- Only use spare parts and accessories recommended by the manufacturer.
- Always make sure that the air outlet and the inlet openings are free of objects and foreign bodies.
- Never carry the device with your finger on the on / off switch to avoid unintentional starting of the device.
- Always maintain a safe and stable working posture.
- The brushes must not be mounted on machines whose speed exceeds the maximum authorized speed.

- Damaged brushes must not be used.
- Discoloration due to rust or other signs of chemical or mechanical changes in the material may cause premature failure.
- Brushes must be stored on appropriate shelves, containers or packaging so as to be protected against the effects of:
  - High humidity, heat, water or other liquids that can damage the brush;
  - Exposure to acids or acid vapors which may cause deterioration;
  - Any temperature low enough to cause condensation on the brush when it is removed from storage to a higher temperature area;
- Before using the tool and after any impact, check for signs of wear or damage and have it repaired if necessary. Do not use the tool if the accessory is loose or damaged.
- Always check that the tool is in good working order. A tool in poor working order can endanger the user.
- Always use protections when using the tool;
- Keep the work area free of stones, metal, stumps, cables and any other object that could damage the tool.
- Keep hands and feet away from the working area at all times and in particular when starting the engine.
- Never use spare parts or accessories not supplied or not recommended by the manufacturer.

**Do not try to stop the accessory with your hands. Always let it stop on its own.**

## 2. INTENDED USE

The equipment is designed to remove dusts and weeds from between paving stones and slabs.









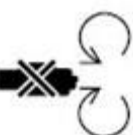



The equipment is designed to remove:

- Dusts and weeds between paving stones and slabs;
- For wooden deck cleaning and stone cleaning.

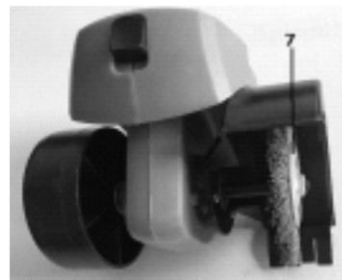
It is not intended for use on sensitive surfaces like tiles. The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this. Please note that our equipment has not been designed for use in commercial or industrial applications. Our warranty will be voided if the equipment is used in commercial or industrial businesses or for equivalent purposes.

## 3. SYMBOLS

### Explanation of the warning signs on the equipment

	"Warning – To reduce the risk of injury, user must read instruction manual"
	Do not expose to rain
	Wear goggles and ear protectors.
	Beware of objects ricocheting out of the guard. Keep all other persons away from the working area.
	Wear gloves for cutting protection.
	Wear safety shoes for preventing slipping.
	Switch off the tool and pull out the power plug before carrying out any cleaning or maintenance work.
	Warning
	Rotating parts. Keep your hands and feet away from the brush.
	Class II- Double insulated for additional protection.
	This product meets the applicable European directives.
	<b>CAUTION!</b> Electrical products must not be thrown out with domestic waste. They must be taken to a communal collecting point for environmentally friendly disposal in accordance with local regulations. Contact your local authorities or dealer for advice on recycling.

## 4. YOUR PRODUCT



1. Trigger switch
2. Auxiliary handle
3. Extension tube
4. Lock button
5. Main housing
6. Brush machine
7. Sweeper
8. Push button

## 5. TECHNICAL DATA

Model	HBE600MF
Rated voltage	230-240V~
Rated frequency	50 Hz
Rated input	600W
No load speed	1100-1800min <sup>-1</sup>
Max. brush diameter	100mm/210mm
A-weighted sound pressure level $L_{pA}$	85dB(A)
Uncertainty $K_{pA}$	3dB
A-weighted sound power level $L_{WA}$	95dB(A)
Uncertainty $K_{WA}$	3dB
Vibration value $a_{h,W}$	1.620m/s <sup>2</sup> 2.347 m/s <sup>2</sup>
Uncertainty K	1.5m/s <sup>2</sup>

The declared vibration total value and the declared noise emission values have been measured in accordance with a standard test method (EN 62841-1:2015) 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!

The vibration and noise 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, in particular, what kind of work piece is machined.

It is necessary 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)

Try to minimize the impact of vibration and noise. Exemplary measures to reduce vibration exposure include wearing gloves while using the tool, limiting working time, and using accessories in good condition.

### Reduce noise generation and vibration as much as possible!

Use only equipment that is in good condition. Maintain and clean the equipment regularly. Adapt your way of working to the equipment. Do not overload the equipment. Have the equipment checked if necessary. Switch off the equipment when not in use. Wear gloves.

**Even if you use this electric power tool in accordance with the instructions, certain residual risks cannot be eliminated. The following hazards may arise in connection with the equipment's construction and layout:**

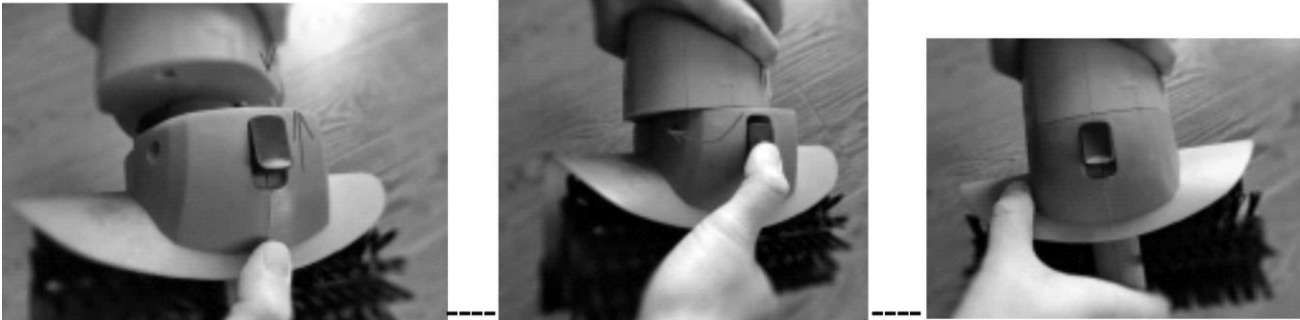
1. Lung damage if no suitable protective dust mask is applied.
2. Damage to hearing if no suitable ear protection is applied.
3. Health damage caused by hand-arm vibrations if the equipment is used over a longer period or is not properly guided and maintained.



## 6. OPERATION

**Warning:** Never turn on the device when adjusting the handle to avoid damage and serious injury.

**FIG A**



Insert the brush machine or the sweeper machine into the main housing; rotate it in place according to the figure, to lock it in place.

To remove the accessory, push the lock button and rotate the accessory to remove it.

**Fig B**



1. Open the lock button (4), hand holding the tube (3) the other hand holding the housing (5). Pull up the tube.
2. Pole pulled after the appropriate length, tighten the lock button (4), and lock the tube.

### **FIT THE BRUSH (on the sweeper machine)**

- Fit the brush (nylon or wire) onto the drive axle of the sweeping machine.
- Add the plate on the brush, and then add the bolt and screw it to fix the brush.
- Make sure that the brush is well mounted.

### **Important**

**Always carry out a short trial run to check out possible effects on the surfaces of the paving stones or slabs before starting with your work. Never use the equipment on very sensitive surfaces, for example tiles.**

## CONNECTION

An extension cord must be used to connect the tool to electrical mains. Connect the tool plug to the extension cord. The power can be secured on the handle of the tool. Then, connect the plug of the extension cord to the electrical mains.

## USE

### Important

**Only use brushes which are in good condition. Replace excessively worn or damaged brushes immediately.**

- Push and hold the trigger switch to start the tool.
- Always use both hands to operate the equipment.
- Guide the equipment at a walking pace.
- For uniform results, carry out your work at a constant speed.
- If necessary, guide the equipment along the same joint several times.
- To stop the operation, release the trigger switch.

### Speed

The operation speed can be changed:

- First stop the operation.
- Turn the knob localized on the handle. The speed range is 1-6.

### Auxiliary handle

The position of the auxiliary handle can be changed:

- Unscrew the screw of the auxiliary handle.
- Change the position of the auxiliary handle.
- Screw the handle to fix it.

## Tips

### Sweeper

The wire brush is suitable for use on sturdy surfaces and working with the most stubborn weeds. We recommend the use of the nylon brush to work on less dense vegetation and surfaces more sensitive.

### Brushing machine

Use the brush to clean wooden decks and stone surfaces.

## 7. CLEANING AND MAINTENANCE

Always pull out the power plug before starting any cleaning work.

### 7.1 CLEANING

Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it down with compressed air at low pressure. We recommend that you clean the equipment immediately after you use it. Clean the equipment regularly with a damp cloth and some soft soap. Do not use cleaning agents or solvents; these may be aggressive to the plastic parts in the equipment. Ensure that no water can get into the interior of the equipment. Clean the guard hood with a brush upon evidence of dirt and grime.

### 7.2 SERVICING

There are no parts inside the equipment which require additional maintenance.

If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

### 7.4 STORAGE

Store the equipment and accessories out of children's reach in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.

## 8. TROUBLESHOOTING

The brush does not rotate:

- Check the leads
- Check the mains voltage
- Check the placement of the brush

The weed is not removed (completely):

- Use another brush
- Replace a worn brush



Make sure that the machine is switched off and unplugged before troubleshooting or servicing, or when the machine is not used.

## 9. EC DECLARATION OF CONFORMITY



EC Declaration of conformity  
BUILDER SAS

32, rue Aristide Bergès - ZI 31270 Cugnaux – France declare that the machine

We declaring that the machinery  
Product name: MULTI SURFACES BRUSH  
Model: HBE600MF

S/N: 20210660052-20210660351

Function: The equipment is designed to remove dusts and weeds between paving stones and slabs, for wooden deck cleaning and stone cleaning.

Fulfills all the relevant provisions of Directives  
2006/42/EC, 2014/30/EU

And tested in accordance with below standards

EN ISO 12100:2010, EN 62841-1:2015, EN 55014-1:2017, EN 55014-2:2015,  
EN 61000-3-2:2019, EN 61000-3-3:2013+A1  
Parts of EN 709:1997+A4

Responsible of technical file: M. Olivier Patriarca

Cugnaux, le 06/04/2021

A handwritten signature in black ink, appearing to read 'Philippe MARIE', with a large, sweeping flourish above the name.

Philippe MARIE / PDG

## 10. 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).



# 11. PRODUCT FAILURE

## WHAT TO DO IF MY MACHINE BREAKS DOWN?

### If you bought your product in a store:

- a) Empty the fuel tank if your product has one.
- 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 if your product has one..
- 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.**



# 12. 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

**For Inquiries, please contact:**

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