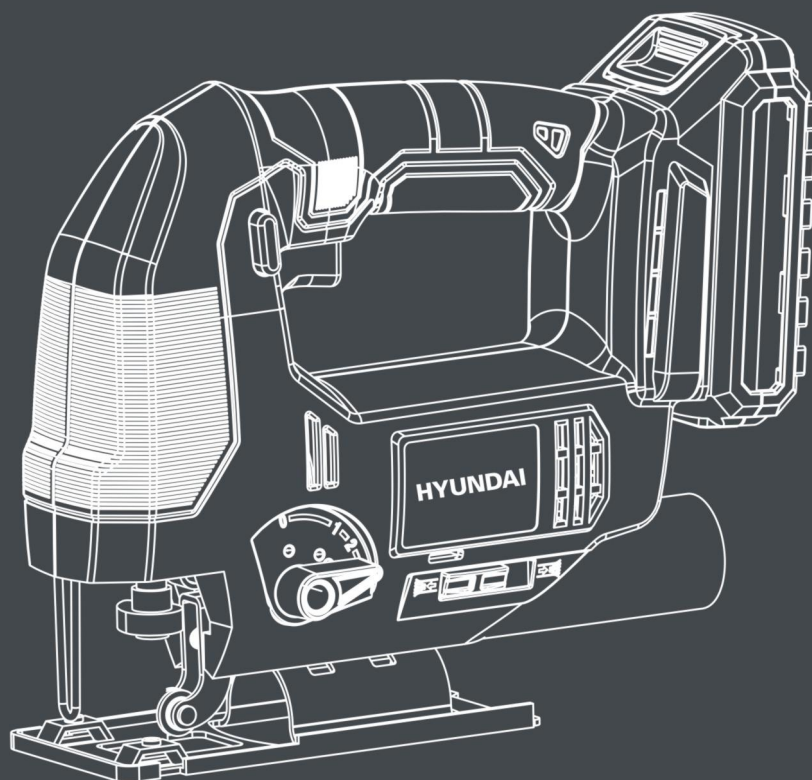


**HYUNDAI**  
POWER PRODUCTS

**CORDLESS JIG SAW**

**HSS18V-A**

**ORIGINAL INSTRUCTIONS**



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YEAR OF FABRICATION 2020

# 1. GENERAL POWER TOOL SAFETY WARNINGS

## 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 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.**

**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.*

**Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock*

## **2. SPECIAL SAFETY INSTRUCTIONS FOR JIG SAWS**



**Important! Use of any accessories or attachments other than those supplied or recommended in these operating instructions can mean the risk of injury.**

- When using jig saws ear protectors and a face mask should be worn. Exposure to noise can cause damage to hearing.
- Do not use the jig saw to cut asbestos or materials containing asbestos.
- Do not leave power tools running unattended. Always switch off and do not put down or leave until it has stopped completely.
- Long hair must be covered. Do not work in loose fitting clothing.
- Be careful when working on walls. Damage to power supply lines, gas or water pipes can lead to dangerous situations. Use appropriate detectors to establish whether there are concealed wires or pipes in the working area.
- Secure the work piece. The work piece is only secure if it is held by work-holding devices or in a vice.
- Caution: saw blades can get very hot.
- Saw blades must be kept sharp and in good condition. Replace partially fractured and broken saw blades immediately.
- Work calmly and evenly with the jig saw. You will thus avoid accidents and the saw blades and the jig saw will last longer.
- Do not use for cutting pipes or cables.
- Do not use cracked, blunt or damaged blades.
- Do not start the saw if no blade is fitted.
- Check there are no obstructions in/on the surface under the item to be cut.

- Do not attempt to cut items thicker than the maximum cutting depth of the blade, or where there is insufficient space for the blade under the item.
- The saw's metal parts may become conductive if the saw comes into contact with a live wire. Therefore only hold the saw by its insulated handle.
- Check that the ventilation slots are not blocked.
- Never remove dust, obstructions or the like from the work area while the blade is operating.
- Never stop the saw blade by applying pressure to the saw or to the side of the blade.
- Do not lift the saw from the item being cut if the blade is still running.
- Never place the saw on a table or workbench if it has not stopped completely.
- The saw blade will continue to run a short time after the machine has been switched off.
- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock

### **3. Special safety instructions for battery and charger**








- If under extreme conditions any electrolyte should escape from the battery, it's essential to avoid contact with skin. If electrolyte does come into contact with your skin, rinse it off with water. In the event of electrolyte contact with your eyes, it's essential to consult a doctor.
- 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.

- Before the use of the charger and the battery read the instruction manual carefully.
- During the charge process, the current used should correspond to the current of the battery charger.
- Never let moisture, rain or splashed water reaches the charging location.
- The ambient temperature must not exceed 40 °C.
- Batteries which are defective or damaged or can no longer be recharged must be disposed as a hazardous waste. Hand them over at a special collection point. Never harm our environment. Do not throw unusable storage-battery packet away into the domestic waste, into fire or into water.
- If the supply cord of the charger is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Use only storage-battery packet, which have been produced by the original manufacturer.
- Always keep the surface of the charger free from dust and dirt.
- Insert the battery packet into the charger. Follow the guidelines provided concerning polarity.
- Always remove battery packet before working on the machine
- When the battery is outside the drill, cover the contacts to avoid short circuits (e.g. from tools)

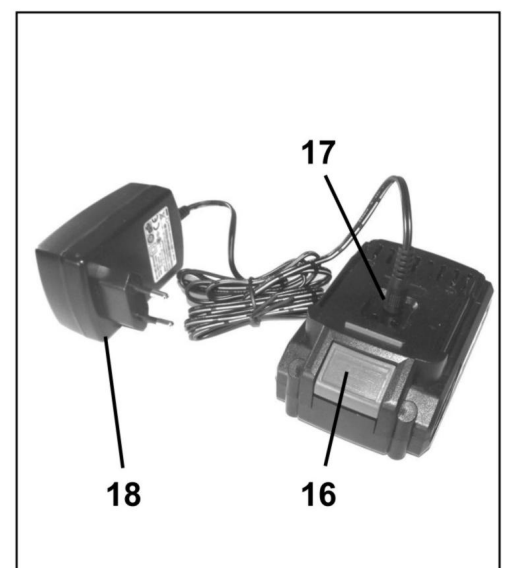
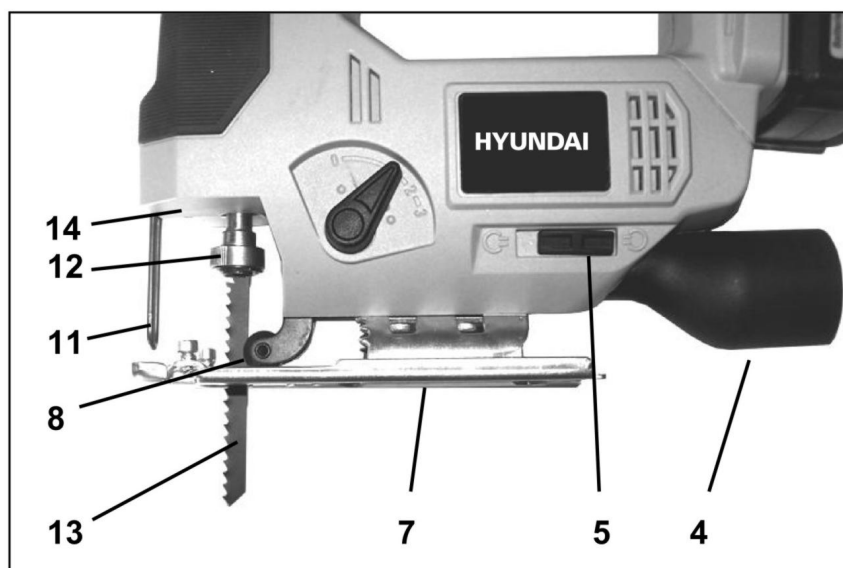
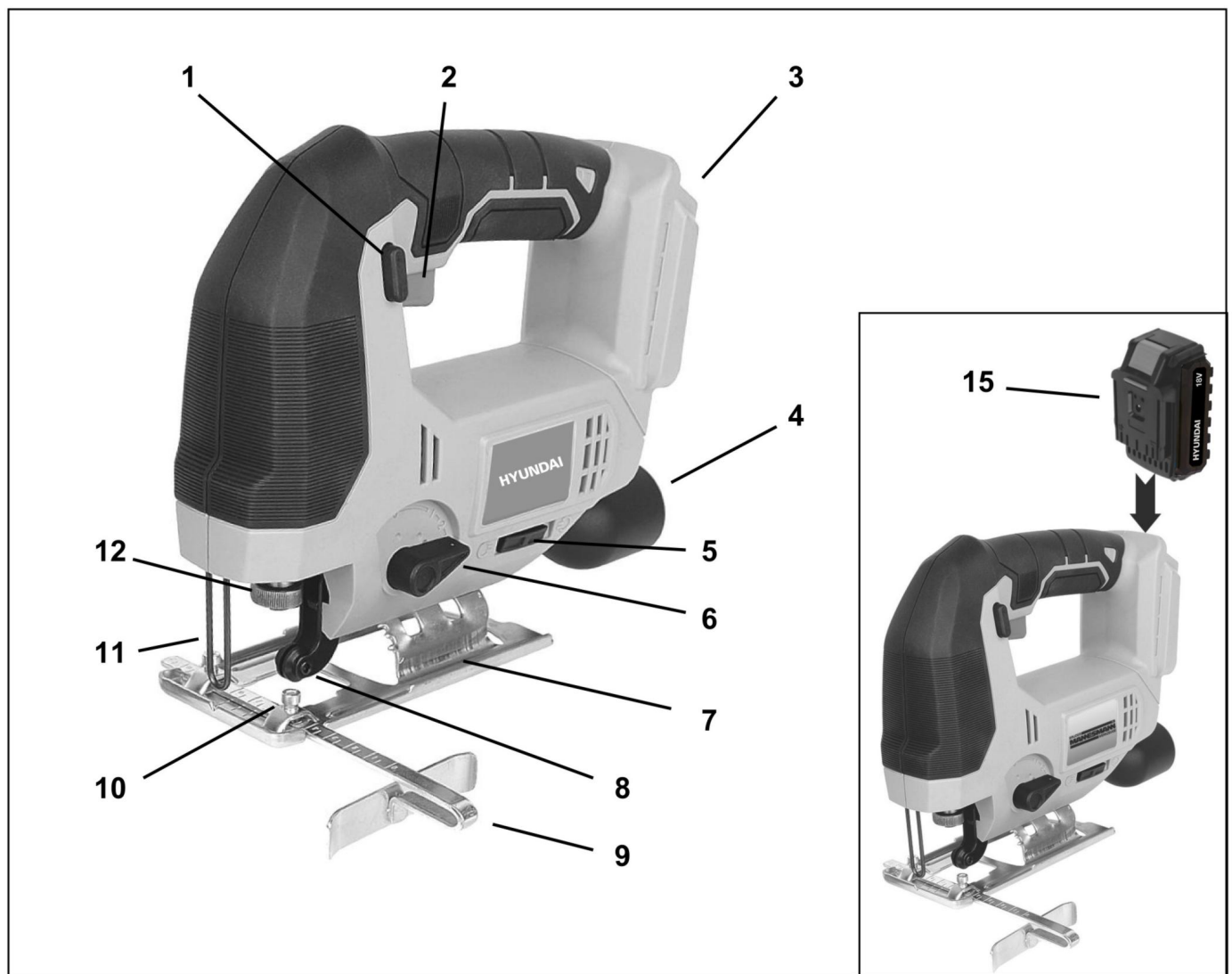
- Do not throw batteries into water or fire, risk of explosion!
- Protect the battery from impacts, and don't open it.
- Never discharge the battery completely and recharge occasionally if not used for a prolonged period
- **WARNING:** Do not recharge non-rechargeable batteries.

#### 4. SYMBOLS

In this manual and/or on the machine the following symbols are used:




	Denotes risk of personal injury or damage to the tool.		In accordance with essential requirements of the European directive(s)
	Read manual before use		
	Max temperature		Recycle
	Do not put the battery in water		Do not put the battery on fire

## 5. Description of the product



- |                                       |                                    |
|---------------------------------------|------------------------------------|
| 1. Switch-lock                        | 10. Fastening screws for rip fence |
| 2. Operating switch                   | 11. Protection bar                 |
| 3. Battery connection                 | 12. Quick clamp                    |
| 4. Connection for vacuum              | 13. Saw blade                      |
| 5. Switch sucking/blowing-function    | 14. Working spotlight              |
| 6. Oscillating motion adjustment knob | 15. Battery pack                   |
| 7. Base plate                         | 16. Battery attachment clip        |
| 8. Press roller                       | 17. Loading socket                 |
| 9. Rip fence                          | 18. Charger                        |

## 6. Technical specifications

Nominal voltage	18V (20 V max) 
Speed	0 - 2500 min <sup>-1</sup>
Length of stroke	19 mm
Max cutting depth	in wood 56 mm / in metal 6 mm
Diagonal cuts	0 - 45°
Sound pressure level (L <sub>PA</sub> ) :	76,1 dB(A) (Uncertainty K = 5 dB)
Sound power level (L <sub>WA</sub> )	87,1 dB(A) (Uncertainty K = 5 dB)
Vibration	a <sub>h,B</sub> : 7.918 m/s <sup>2</sup> a <sub>h,M</sub> : 7,522 m/s <sup>2</sup> (Uncertainty K = 1,5 m/s <sup>2</sup> )
Battery:	Li-Ion 18V (20 V max)  2 Ah
	Loading time: around 1.5 hour
	Model: HSS18V-A
Charger:	Input: 100-240 V~, 50-60 Hz, 0,8 A
	Output: 21,5 V  1,5 A
	Model: HSS18V-A

Recommended ambient temperature during charging, use and storage: 10-40°C

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:

- 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;
- 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).

## 7. OPERATION

### Intended use

**This tool is intended for cutting wood, metal and plastics. Not suitable for professional use.**

### 7.1 Charging procedure

- Before first use, the battery set (15) must be loaded.
- Only use the provided adaptor (18) to charge the battery set.
- Only charge the battery set when the ambient temperature is within 10° - 40° C.
- Plug the adaptor (18) to a **100-240V** alternating voltage source.
- The battery set (15) should under no circumstances be disassembled.
- To remove the battery set, press the fastening clip (16) on the top side of the battery set and extract the battery set (15).
- Connect the plug of the charger to the loading-socket (17) of the battery-set.
- Red LED will light once the battery has been connected to the charger and the charging procedure will proceed.
- The battery set is completely loaded and ready for use once the green LED is lit and the red LED is OFF.



**Li-Ion**

**Defective or used battery sets must be disposed of in specialised refuse, and must not be placed in domestic refuse.**

### 7.2 Inserting the saw blade

- Only use saw blades that are sharp and clean. Cracked or bent saw blades should not be used.
- Always remove the battery (15) from the unit before changing the saw blade!
- The saw blade is held in place by a quick clamping device (12).

- Turn the quick clamping device (12) in a clockwise direction.
- Push the saw blade (13) up to the catch in the opening of the lifting rod.
- The saw blade is automatically held in place by letting go of the lock (12).
- Pull on the saw blade to check that it is properly locked.

### **7.3 Working spot light**

- Pushing the operating button (2) will turn on the working spot light (14).
- Leaving the operating button (2) will switch off the working spot light (14).

### **7.4 Switching your compass saw on and off**

- Press the lock-button (1) before actuating the main-switch (2).
- Press the main-switch (2) and hold during operation.
- Switch the machine on first, and then put it on the work piece.
- Do not use excess pressure, or you risk increased wear on the attachment and the motor.
- Do not turn the machine off while it is on the work piece. Take the machine off the work piece first, and then turn it off.

### **7.5 Speed regulation**

The compass saw is equipped with an electronic speed regulator. The speed can be adjusted by pressing the main switch (2) with more or less pressure..

The most advantageous speed is determined by the material and the saw blade, and can be determined by practical experiments.

### **7.6 Oscillation adjustment (6)**

The four levels of oscillating motion for the saw blade enable an optimal adjustment of the cutting speed, cutting power and cutting pattern to the material being worked on.

With every downward movement, the saw blade is raised from the work piece; this helps chip ejection, reduces frictional heat and lengthens the lifespan of the saw blade.

The smaller the oscillation level selected, the cleaner the cutting surface should be.

- Level 0 - no oscillating movement, for thin material
- Level I - slight oscillating movement, for thicker material
- Level II - medium oscillating movement, for hard material
- Level III- strong oscillating movement, for fast work

## 7.7 Straight cut

- Make sure that the base plate (7) of the saw rests fully on the work piece and that the saw blade (13) is in the proper angle with respect to the work piece.
- Draw the cutting line on the work piece.
- Direct the saw blade along the line with light pressure and at a constant rate.
- To make a straight cut parallel to an outer edge of the work piece, use the rip fence (9).
- Loosen the two screws (10), place the rip fence (9) on the desired gauge and re-tighten the screws (10).

## 7.8 Diagonal cuts

The compass saw can be used for diagonal cuts of 0 - 45° in both directions.

- To adjust the base plate (7), remove the battery (15) first and loosen the screws at the bottom of the device using a hex-key wrench.
- Push the base plate (7) back and set the desired angle on the base plate with the help of the angle measuring scale.
- Push the base plate (7) forward again, in the direction of the saw blade.
- Tighten the screws at the bottom of the device

## 7.9 Vacuum connection

Insert the dust extractor / blower into the tool connection port (4).

- You may choose whether the splinters shall be blown off the cutting area or sucked off by a connectable vacuum cleaner.
- Slide the switch (5) to the left to suck the splinters by a vacuum cleaner or slide it to the right to blow the splinters away

## 8. Maintenance and care

- **Always remove the battery (15) from the unit before carrying out any cleaning or servicing work on it!**
- The compass saw is maintenance-free.
- Clean the housing occasionally with a dry cloth.
- Do not use cleaning agents, as they can corrode the casing

## 9. Environmental protection

- Only use original replacement parts and accessories.
- If this tool is used so intensely that it must be replaced, or you have no more use for it, you are obligated to dispose of the appliance at a recycling center.
- Contact your municipal waste collection service or your local authorities to find out where you can recycle your power tool.
- Power tools contain valuable raw materials that can be recycled. You will contribute to recycling valuable raw materials by handing your tool in at a municipal waste collection site.
- Power tools also contain substances that may be harmful to the environment and humans if disposed of improperly



- The symbol with the crossed-out dustbin means that you must take this tool to a waste collection facility for the separate collection of electrical and electronic equipment.

## 10. DECLARATION OF CONFORMITY



BUILDER SAS

ZI, 32 rue Aristide Bergès – 31270 Cugnaux – France

Declares that the machinery designated below:

Cordless jig saw

HSS18V-A

S/N: [20201003895-20201005334](#)

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);

2011/65/EU

2006/42/EC

2014/30/EU

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

EN 62841-1: 2015; EN 62841-2-11:2016

EN55014-1: 2017; EN55014-2 : 2015

EN 61558-1:2005/A1:2009

EN 61558-2-16:2009/A1:2013

EN 60335-1:2012/A11:2014

EN 60335-2-29:2004/A2:2010

EN 62233:2008

Cugnaux, le [25/06/2020](#)



Philippe MARIE / PDG

Responsible of technical file: M. Olivier Patriarca

## 11. 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).



## 12. 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.**



# 13. 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:**

BUILDER SAS

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<http://www.hyundai-power-fr.com/>

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