

HYUNDAI

18V IMPACT WRENCH

Model HY2164



User Manual

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1. OWNER'S MANUAL & SAFETY INSTRUCTIONS

1.1. How to read the manual.

- 1.1.1. Keep this manual for the safety warnings and precautions, assembly, operation, inspection, maintenance and cleaning procedures.
- 1.1.2. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number).
- 1.1.3. Keep this manual and the receipt in a safe and dry place for future reference.
- 1.1.4. The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery-operated (cordless) power tool.
- 1.1.5. This impact wrench is intended for attaching/removing hex nuts and bolts within its capability

2. GENERAL SAFETY

 DANGER	 WARNING	 CAUTION	 NOTE	  Read Manual
Non-observance will result in the risk of serious injury or death to oneself or others.	Non-observance will result in the risk of injury to oneself or others.	Indicates a hazard which, if not avoided, might result in minor or moderate injury.	NOTE or IMPORTANT These give details or further information on what has already been said, and aim to prevent damage to the machine or cause other damage.	

 WARNING	DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.
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2.1. Work Area Safety

- 2.1.1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 2.1.2. 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.
- 2.1.3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2. Electrical Safety.

- 2.2.1. 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.
- 2.2.2. 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.
- 2.2.3.

- 2.2.4. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 2.2.5. 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 and moving parts. Damaged or entangled cords increase the risk of electric shock.
- 2.2.6. When operating a power tool outdoors, use an extension cord suitable for outdoor use.
- 2.2.7. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- 2.2.8. 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.

2.3. Personal Safety.

- 2.3.1. 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.
- 2.3.2. 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.
- 2.3.3. 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 energizing power tools that have the switch on invites accidents.
- 2.3.4. 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.
- 2.3.5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- 2.3.6. 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.
- 2.3.7. 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.

2.4. Power Tool Use and Care.

- 2.4.1. 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.
- 2.4.2. 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.
- 2.4.3. 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.
- 2.4.4. 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.
- 2.4.5. 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.
- 2.4.6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

- 2.4.7. 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.
- 2.4.8. Use of the power tool for operations different from those intended could result in a hazardous situation.

2.5. Battery Use and Care

- 2.5.1. Recharge only with the supplied charger, and 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.
- 2.5.2. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- 2.5.3. 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 explosion, burns and/or a fire.
- 2.5.4. 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.

2.6. Service.

- 2.6.1. 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.

2.7. Cordless Impact Wrench safety warnings.

- 2.7.1. Wear ear protectors when using this tool. Exposure to noise can cause hearing loss.
- 2.7.2. Hold tool firmly loss of control can cause personal injury.
- 2.7.3. Make sure that no one is below when using the tool in high locations.
- 2.7.4. Keep hands away form rotating parts.
- 2.7.5. Do not leave the tool running. Operate the tool only when hand-held.
- 2.7.6. You MUST make sure that the trigger is in locked position and that the battery has been removed before changing accessories. To lock trigger move the forward/reverse switch to the central position.

3. BATTERY PACK

3.1. Before use.

- 3.1.1. Before using battery pack, read all instructions and cautionary markings on battery charger, battery, and tool using battery.
- 3.1.2. Do not disassemble battery cartridge.
- 3.1.3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
- 3.1.4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
- 3.1.5. Do not short the battery cartridge, shorting the terminal may cause explosion, burns and/or fire
- 3.1.6. Do not touch the terminals with any conductive material.

- 3.1.7. Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
- 3.1.8. Do not expose battery cartridge to water or rain. Battery short circuit can cause a large current flow, which may result in an explosion, overheating, possible burns and even a breakdown.
- 3.1.9. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 ° C (122 ° F).
- 3.1.10. Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
- 3.1.11. Be careful not to drop or damage battery pack.
- 3.1.12. Do not use a damaged battery.

3.2. Tips for maintaining maximum battery life

- 3.2.1. Charge the battery cartridge before completely discharged.
- 3.2.2. Always stop tool operation and charge the battery cartridge when you notice less tool power.
- 3.2.3. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
- 3.2.4. Charge the battery cartridge with room temperature at 10 ° C - 40 ° C (50 ° F - 104 ° F). Let a hot battery cartridge cool down before charging it. Charge the battery cartridge once in every six months if you do not use it for a long period of time.

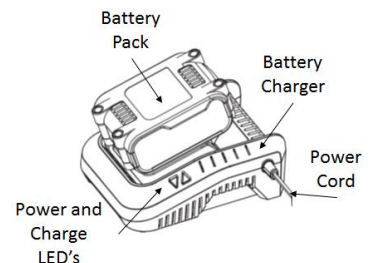
4. CHARGING















WARNING


Make sure that you charge the battery for at least 1 hour before operation.

- 4.1. Plug the charger into the mains outlet socket (230v).
- 4.2. The battery is supplied partially charged. Therefore to ensure full capacity of the battery, completely charge the battery in the battery charger before using your power tool for the first time.
- 4.3. A fully discharged battery pack will charge in about 60 minutes in a surrounding temperature between 32°F (0°C) and 104°F (40°C).
- 4.4. Charge the Lithium-ion battery pack with the correct charger.
- 4.5. Align the raised ribs of the battery pack with the slot in the charger.
- 4.6. Slide the battery pack onto the charger.
- 4.7. The charger will communicate with the battery pack to evaluate the condition of the battery pack.
- 4.8. The RED light will be ON continuously and GREEN light will FLASH continuously when charging is in progress, this is normal part of the charging operation.
- 4.9. After charging is complete, the GREEN LED on the charger will come ON and the RED light will go OFF,
- 4.10. The battery pack will fully charge if left on the charger, but it will not overcharge.



Led Indicator	Battery Pack	Red Led	Green Led	Action
 Hi/Lo Temp  	Hot/Cold battery	Flashing	Flashing	Charging will begin when battery returns to 5°C-40°C
 Defective battery  	Defective	Flashing	OFF	Battery pack or charger is defective
 Battery Charging  	Charging	ON	Flashing	Charging
 Battery Full  	Fully charged	OFF	ON	Charging is complete Maintenance charging

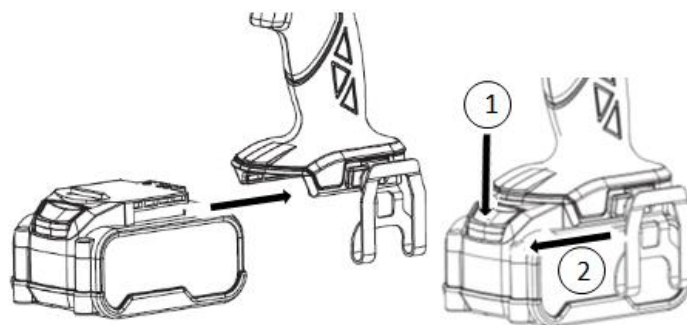
5. INSERTING / REMOVING BATTERY PACK

 CAUTION	Always switch off the tool before installing or removing of the battery cartridge. To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge. Always install the battery cartridge fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you. Do not use force when installing the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.
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5.1. Inserting/removing battery pack.

5.1.1. Insert battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a click. If you can see the red indicator on the upper side of the button, it is not locked completely.

5.1.2. To remove battery press battery unlock button (1) and slide in direction of arrow (2).



5.2. Battery protection system.

5.2.1. The tool will automatically stop during operation if the tool and/or battery are placed under one of the following conditions;

5.2.1.1. Overloaded: The tool is operated in a manner that causes it to draw an abnormally high current. In this situation, release the switch trigger on the tool and stop the application that caused the tool to become overloaded. Then pull the switch trigger again to restart. If the tool does not start, the battery is overheated. In this situation, let the battery cool before pulling the switch trigger again.


5.2.1.2. Low battery voltage: The remaining battery capacity is too low and the tool will not operate. In this situation, remove and recharge the battery.

6. QUICK REFERENCE



1 1/2" Drive socket	2 LED light.	3 Trigger/variable speed control.	4 Battery unlock button.	5 Battery.
6 Direction switch.	7 Hook.			

6.1. Fitting 1/2" drive sockets.

 CAUTION	Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.
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6.1.1. Lock off the trigger and remove the battery before continuing. (central position of forward/reverse switch).

6.1.2. To fit the 1/2" drive sockets slide the socket over the drive socket adapter until it clicks into place. (*sockets not supplied)

6.2. Turning on.



Before inserting the battery into the tool, always check to see that the switch trigger returns to the "OFF" position when released.

- 6.2.1. To start the tool, simply pull the switch trigger (1). Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.



6.3. LED Lamp.



Do not look in the LED light directly.

- 6.3.1. Pull the switch trigger to light up the LED (1).
6.3.2. The lamp will stay ON whilst the switch trigger is being pulled.
The lamp goes out 10 -15 seconds after releasing the trigger.
6.3.3. NOTE: Use a dry cloth to wipe the dirt off the lens of lamp.
6.3.4. Be careful not to scratch the lens of lamp, or it may lower the illumination.



6.4. Reversing switch.



Always check the direction of rotation before operation.
Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.
When not operating the tool, always set the reversing switch lever to the neutral position.

- 6.4.1. This tool has a reversing switch (1) to change the direction of rotation. Depress the reversing switch lever from the side for clockwise rotation or from the B side for counter clockwise rotation.
6.4.2. When the reversing switch lever is in the middle position, the switch trigger cannot be pulled.



7. GENERAL MAINTENANCE



WARNING

To reduce the risk of personal injury and damage.

Never immerse your power tool, battery pack or charger in liquid or allow a liquid to flow inside them.

To reduce the risk of injury always unplug the charger remove the battery pack from the charger or power tool before performing any maintenance.

Never disassemble the power tool, Battery pack or charger. Contact a service facility for ALL repairs.

- 7.1. Keep your tool, battery pack and charger in good repair by adopting a regular maintenance program.
- 7.2. It is essential to keep the tool clean, remove dust or debris after each use, and pay particular attention to the ventilation slots.
- 7.3. Clean the housing with a soft cloth moistened with soapy water; do not use solvents such as: Petrol, Alcohol, ammonia, etc...
- 7.4. Ingress of dust and dirt can stop the chuck and switches operating blow out with compressed air periodically and lightly lubricate with contact spray.

8. SPECIFICATION

Battery	18V d.c. Li-ion, 2000mAh
Collet size	12.7 mm, 1/2"
No Load Speed	0~2200rpm
Impact Rate	0~3200bpm
Max torque	200 N.m
Charging Time	60 minutes
Charger input	230VAC, 50Hz
Charger output	18VDC, 1.7Ah

9. RECYCLING & PRODUCT DISPOSAL

9.1. We do not offer a take-back scheme for the recovery of Waste Electrical Electronic Equipment (WEEE) & Batteries instead the responsibility to dispose of WEEE and or Batteries is passed onto you by us. So when it becomes necessary to dispose of your machine you must take it to your local Civic Amenity Site. For further information please contact your Local Authority for disposal advice.

9.2. 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 circumstance must any oil and fuel be put down any drains.

9.3. Waste Electrical Electronic Equipment (WEEE) recycling.

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

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

9.6. Battery recycling, certain products contain batteries which should not be disposed of in your domestic waste.



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

9.8. Unwanted packaging materials should be sorted and taken to a recycling centre so it can be disposed of in a manner which is compatible with the environment.

9.9. The following symbol means that you should 'Reduce – Reuse – Recycle'.



9.10. We are a Member of the VALPAK National Compliance scheme and our registration number is RM08660

9.11. For further information about disposal please contact your Local Authority.

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

9.13. Should you pass this product onto another user either sold or loaned you MUST pass on this user manual. This will make sure that all other users can use and maintain the machine safely.



10. GENPOWER CONTACT DETAILS

- 10.1. Postal address;
Genpower Limited, Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW, UK.
- 10.2. Telephone contact number;
Office +44 (0) 1646 687880
- 10.3. Email contact;
Technical service@genpower.co.uk
- 10.4. Web site; www.hyundaipowerequipment.co.uk

11. DECLARATIONS OF CONFORMITY

- 11.1. Genpower Ltd confirms that this Hyundai product conform to the following CE Directives;

- 11.1.1. 2006/42/EC Machinery Directive
- 11.1.2. 2004/108/EC EMC Directive
- 11.1.3. 2006/95/EC Low Voltage Directive

12. U^o Vy^o Oyh^o u-o

If you find an error, omission or something you find unclear please contact your dealer for assistance.

12.2. Our latest manuals are also placed on-line.

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

HYUNDAI

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