

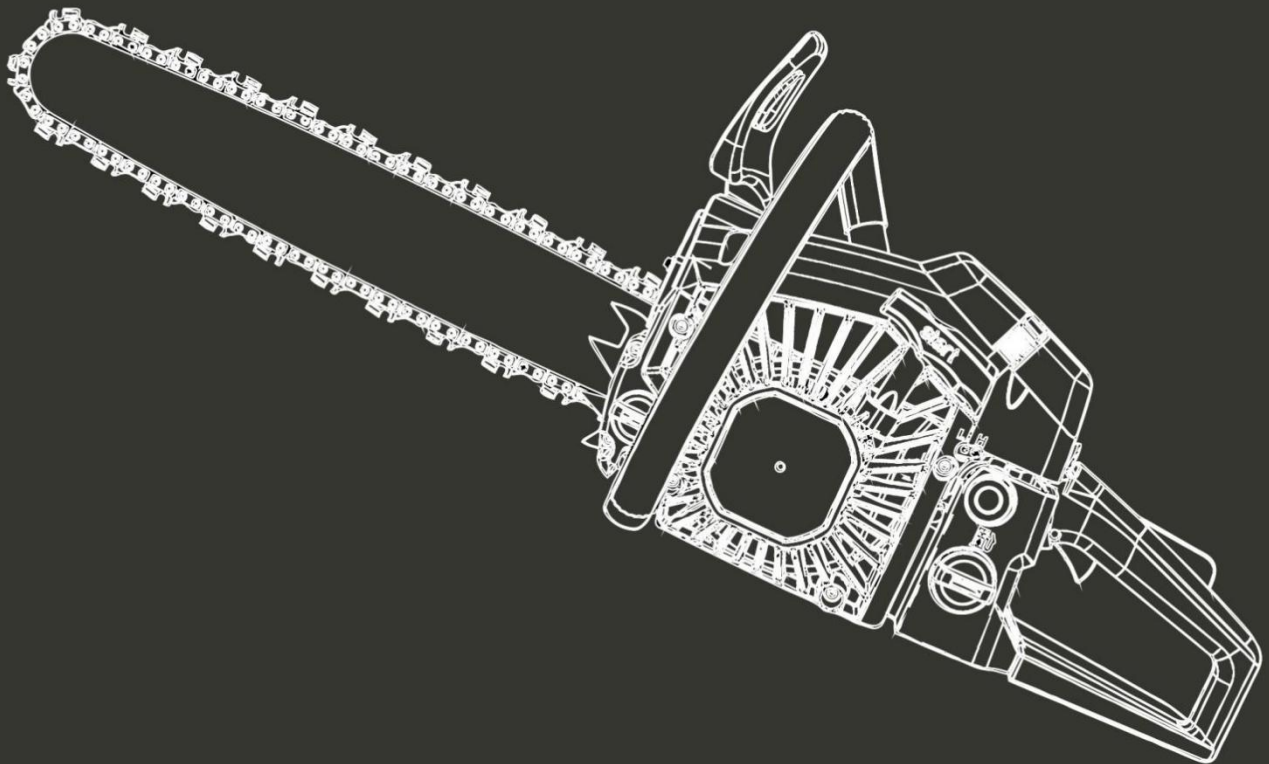
HYUNDAI
POWER PRODUCTS

PETROL CHAIN SAW

HTRTPRO5350-4-1



ORIGINAL INSTRUCTIONS



WARNING: Read thoroughly the instruction manual before using.

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1. SAFETY INSTRUCTIONS

- **WARNING!** When using this type of garden tool, basic precautions should always be followed to reduce the risk of fire, electric shock and injury.
- Read all instructions carefully before attempting to use this product and retain these instructions. Be familiar with all the operations described in these operating instructions. This product must be operated by experienced users.
- Inexperienced users shall first be trained in all operations by a professional.
- If you are giving this machine to others, please also provide them with this instruction manual.
- Consider all the markings affixed to the product. The symbols are explained in this manual.
- Use this machine as described in this instruction manual. It is strictly forbidden to use this tool for applications other than those described in this manual.
- Failure to follow these instructions can result in serious injuries and, in some cases, death.
- This product is intended for private domestic use only. Do not use it for commercial purposes.
- Never let people unfamiliar with these instructions or children use this product.
- National regulations may limit the use of the machine.
- People under the age of 18 must not use this product.
- Keep in mind that the operator or user is responsible for accidents or risks to other persons or their property.
- Do not use the tool if you are drunk, tired, under the influence of drugs or ill. Do not use the tool if you are not in an adequate physical condition.
- This tool is intended for outdoor use. Never use it indoors.
- When transporting the machine:
 - Secure the machine during transport to prevent loss of fuel, damage or injury.
 - Use a carrying case to protect the cutter during transport.
- Keep people and animals away from the work area. Children and people who do not know how to use this tool should not touch it and handle it.
- Keep them at least 15 m from the machine during operation,
- Use the product only under daylight or under good artificial light.
- When using the machine, always wear full protective equipment including a helmet, protective mask, ear protection, gloves, non-slip footwear and protective clothing.
- Wear appropriate clothing. Do not wear loose or unbuttoned shirts. Do not wear jewellery that may meet moving parts. If you have long hair, tie it down and wear an appropriate safety helmet.
- Do not operate the product with damaged guards or shields in place.
- Always keep hands and feet far from the tool and especially when turning the it off and on.
- Do not use the tool in an area where ventilation is poor. Gas emissions can cause injury.
- Do not use the tool in the presence of flammable liquids or gases.
- Caution: The machine releases gases when it is used. Avoid meeting these gases.
- Keep the work area clear. Before working, inspect the work area and remove any materials or objects that could cause accidents.
- Do not force the tool.
- Use only accessories supplied or recommended by the manufacturer (such as saw chain and guide bar combinations). Using other accessories may cause an accident. Refer to the "Technical Information" section of this manual or ask your dealer for advice.
- The risks of slipping and skidding must be foreseen as there is a high risk of kickback. Do not lean. Keep a good balance at all times. Do not lose your balance at the end of a cut.
- To maintain tools and accessories with care, keep cutting tools sharp and clean for best and safest performance. Follow the instructions in this manual for lubricating and changing

accessories.

- Always inspect the machine before and after operation. If the tool is damaged or faulty, stop using the tool and bring it to an authorized service for inspection and repair.
- Turn off the tool after use, when you leave it unattended, when changing these accessories and before servicing.
- Keep handles dry, clean, and free of oil and grease.
- Be concentrated when using the tool. Look at what you do, use good sense and do not use the tool when you are tired.
- Remove the blade guard before using the tool.
- A damaged guard or other part must be properly repaired or replaced by an authorized service centre,
 - unless otherwise specified in this instruction manual.
- Do not use the tool if the starter is not working (if it cannot be turned ON and OFF).
- Place the equipment in a well-lit area, on a flat, stable, dry and well-ventilated surface, away from
 - flammable products and with plenty of space for the evacuation of sparks and sharpening waste.
- Immediately stop the tool in the event of a malfunction of the motor or in case of unusual noise.
- Do not use the tool if the starter is damaged.
- Do not move the chain with your hand with the wheel moving.
- Do not stop the chain with your hands or other objects.
- Treat the chain teeth with caution during operation; they can cause severe cuts.
- When not in use, the machine must be stored in a dry, locked place out of the reach of children.
- Before using the product and after any shock, please check it for signs of wear or damage. Please carry out repairs if necessary.
- Always switch off the machine:
 - Every time you leave the device unattended.
 - Before releasing an obstruction.
 - Before checking, cleaning, or working on the product.
 - After hitting a foreign object.
 - Every time the product starts to vibrate abnormally.
- Pay attention to foot and cutting injuries.
- Inspect and regularly service the product. Repairs should be carried out only by an authorized service centre or a similar qualified specialist.
- When not in use, the machine must be stored in a locked dry place, out of the reach of children.
- When transporting the tool, always add the blade guard to the blade. Always carry the tool by holding the handle, never the blade.
- Do not use the product on a slippery surface.
- Do not use the product on steep, slippery slopes.
- When planning your work schedule, allow enough time for rest. Limit continuous use of the device, e.g., use 30 ~ 40 minutes per session, and take 10 ~ 20 minutes of rest between work sessions. Work a maximum of two hours per day.
- If the machine has struck foreign objects, check if the tool is damaged and bring it to repair if necessary.
- Do not place any part of the body on the chain when the chainsaw is operating. Before starting the chain saw, make sure that the chain is not in contact with anything. A moment of inattention during use may cause your clothing or body part to stick to the chain.
- Always hold the chainsaw back handle with your right hand and the front handle with your left hand.

- Hold the chainsaw by inverting your hands increases the risk of personal injury and should never be used.
- For the chainsaw designed with the chain guide on the left side, the reference to the "right hand" and "left hand" positions is reversed.
- When cutting a branch that is under stress, pay attention to the risk of elastic return. When the tension of the wood fibres is released, the spring-loaded limb may strike the operator and / or project the chain saw out of control.
- Follow the instructions for lubrication, tension, and chain change accessories. A chain whose tension and lubrication are incorrect can either break or increase the risk of rebound.
- Keep handles dry, clean, and free of oil and grease. Oily, greasy grips are slippery and cause loss of control.
- Be careful when using the machine during stormy weather. Do not use the machine during lightning, thunderstorms or in bad weather. Do not expose the tool to rain.
- Do not use the tool in damp environment.
- It is recommended to use the spiked bumper provided for cutting trees and thick branches.
- Perform regular functional check of the clutch. It should be no have chain movement at idling speed.
- When operating the tool, be careful of the emission of exhaust gases, lubrication oil mist and saw dust.
- avoid being exposed to these and wear protective equipment.
- Wear protective gloves when assembly, disassembly, sharpening chain tensioning and when handling the guide bar.
- Guide-bar and chain adjustments should be performed with the engine stopped (machine switched off).
- Regularly check and test the chain brake.
- Hazards may be encountered while using the saw, such as blockage of the saw chain, in order to reduce hazards, follow the instruction for cutting operation; always check the condition of the tool, do not start the chainsaw directly in the tree.
- Only use the throttle control latch at starting procedure
- Warning! Use the machine with the throttle control latch engaged

FUEL HANDLING

- Be very careful when handling fuels. They are flammable and the vapours are explosive.
- Use only an approved container.
- Never remove the fuel cap or add fuel while the machine is on. Turn off the unit and allow the engine and exhaust components to cool before refuelling.
- Do not smoke.
- Never refuel inside a room.
- Never store the tool and the fuel tray indoors where there is a naked flame, such as near a water heater.
- If fuel has spilled, do not attempt to start the machine, but rather move it away from the spill before starting to use it. Clean any spills.
- Replace and tighten the fuel tank cap after refuelling.
- Follow the instructions in this manual for filling the tool with fuel.

DURING MAINTENANCE AND STORAGE

- Always follow the provided instructions for maintenance and storage. The chainsaw shall be always kept in good working condition.
- Stop the tool and wait until it stops. Make sure all moving parts have come to a standstill.

- Allow the machine to cool before performing inspection, adjustments, maintenance, servicing and storage.
- Store the tool where fuel vapor will not reach a flame or spark.
- When transporting and storing, always place on the guide bar the protector cover.

CAUSES OF REBOUNDS AND PREVENTION BY OPERATOR














- Bounce may occur when the spout or end of the chain guide touches an object, or when the wood tightens and pinches the cutting chain in the cutting section.
- The contact of the tip may in some cases cause a sudden reverse reaction by bouncing the chain guide up and back towards the operator.
- Pinching of the cutting chain on the upper part of the chain guide can force the chain guide to the operator abruptly.
- Either of these reactions can result in loss of control of the saw likely to result in a serious personal injury. Do not rely exclusively on safety devices built into your saw. As a chain saw user, all measures should be taken to eliminate the risk of accident or injury during cutting.
- Bounce results from improper use of the tool and / or incorrect operating procedures or conditions and can be avoided by taking the appropriate precautions specified below:
 - Hold the saw with both hands firmly with the thumbs and fingers encircling the handles of the saw and place your body and arms to allow you to withstand the rebound forces. The rebound forces can be controlled by the operator, if appropriate precautions are taken. Do not allow the chain saw to start.
 - Do not stretch the arm too far and do not cut above the shoulder height. This helps prevent unintentional end contacts and allows better control of the chain saw in unforeseen situations.
 - Use only the manufacturers specified replacement guides and chains. Incorrect replacement guides and chains may cause chain breakage and / or rebound.
 - Follow manufacturer's instructions for sharpening and servicing the chain saw. A decrease in the depth gauge level can lead to an increase in rebounds.


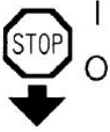
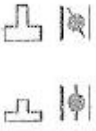
RESIDUAL RISKS

Even if you use this product in compliance with all safety requirements, the potential risks of injury and damage remain. The following hazards may arise in the structure and design of this product:

- There are harmful health consequences resulting from the emission of vibrations if the product is used for long periods of time or not properly managed and properly maintained.
- There is risk of injury and property damage due to attachments or broken the sudden impact of hidden objects when using cutting.
- Risk of injury to persons and property caused by flying objects.
- Prolonged use of this product exposes the operator to vibration and can produce so-called "white finger" disease. To reduce the risk, wear gloves and keep your hands warm. If any of the symptoms of "white finger syndrome" occur, seek immediate medical attention. Symptoms of the "white finger" include numbness, loss of sensitivity, tingling, tingling, and pain, loss of strength, colour changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures.
- Prolonged exposition to noise can have consequences to health such as loss hearing. The operation of this tool must be limited to avoid prolonged exposition. Wear a hearing protection and always take break during the operation of the tool.

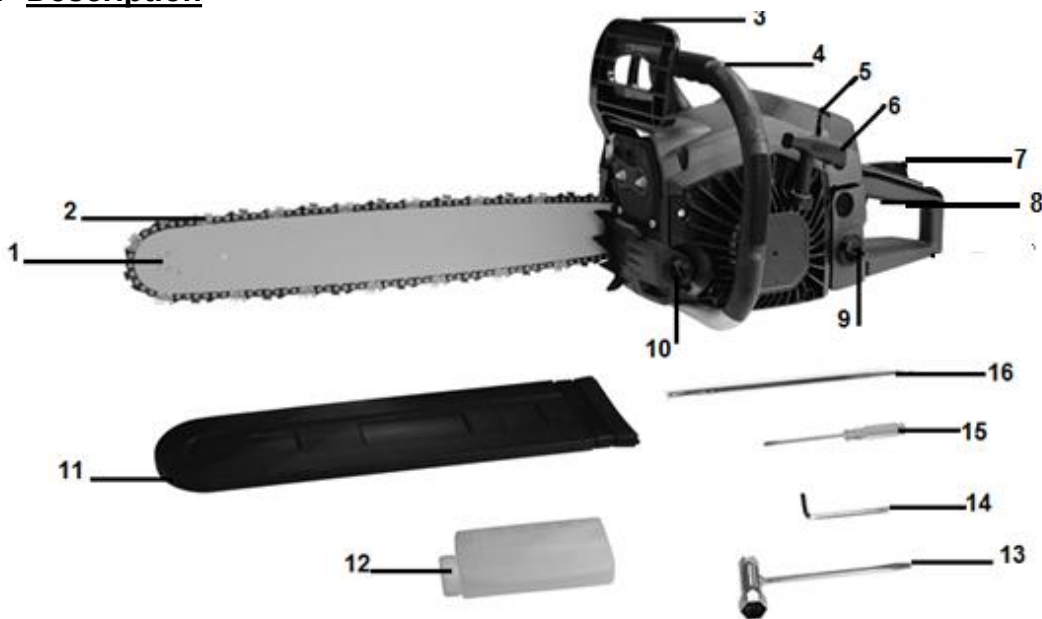
EXPLANATION OF SYMBOLS

	Symbol warning of a warning.
	Read and refer to these operating instructions.
	Wear safety equipment that includes a helmet, protective helmet and protective goggles.
	The contact of the end of the bar with any object must be avoided.
	Do not operate the tool with one hand. Always hold it with both hands.
	Wear full protective gear during operation (helmet, boots, goggles, gloves, protective clothing).
 <small>"Attention: cette tronçonneuse est uniquement prévue pour des utilisateurs expérimentés et formés son utilisation, voir manuel d'instruction!"</small>	<ul style="list-style-type: none"> - This tool should be used by trained people for felling trees; Read this instruction manual! - Do not use under rain. - Wear full protective gear during operation (helmet, boots, goggles, gloves, protective clothing)
	Wear protective gloves.
	Wear protective footwear.
	Do not use the machine in the rain and in wet conditions.
	Value of sound emission according to European Directive 2000/14 / EC.
	Recoil start.
	Oil filling (on the oil tank cap).
	Chain tension adjustment.

	Fuel filler (on fuel tank cap).
	Switch I/O.
	Starter.

2. YOUR PRODUCT

a. Description



1	Guide bar	7	Throttle lock	13	Wrench
2	Chain	8	Throttle trigger	14	Wrench
3	Handle protection	9	Fuel tank	15	Mini screwdriver
4	Front handle	10	Oil tank	16	Fuel checker
5	Air filter cover	11	Guide bar cover		
6	Starter cable	12	Mixing bottle		

b. Technical data

Model	HTRTPRO5350-4-1
Type of engine	RY1E45F-1 (air cooled 2-stroke petrol engine)
Fuel Tank Volume	550cm ³
Ratio	40:1
Oil tank volume	260cm ³
Idle speed of the engine	3100±300/min
Clutch speed	4300/min
Maximum power	2.0kW
Displacement	53cm ³
Maximum engine speed	11000/min

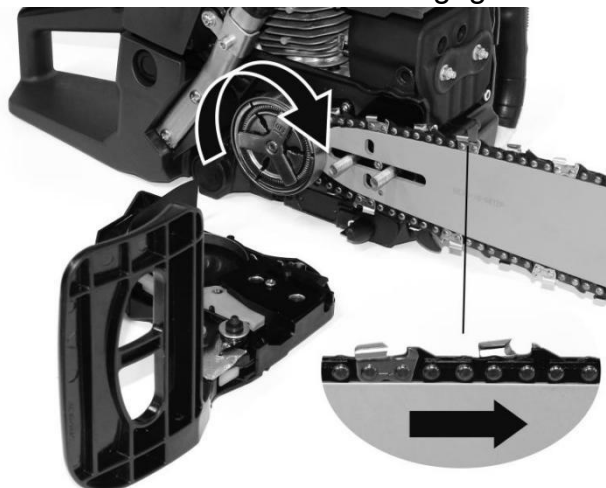
Maximum chain speed	21.2m/s
Maximum engine power speed	8500/min
Weight (empty tank, without accessories)	5.1 kg
Cutting length	470mm (20")
Chain pitch	8.255mm (0,325")
Gauge of chain	1,47mm (0,058")
Type of chain and guide bar	BE20-76-5812P (Kangxin) and 325,058-76 (Kangxin)
Sprocket (number of teeth x pitch)	7 teethes*8,255
Carburetor	WT972A/Walbro,WT664AMalbro,WT978albro,1E44 F/Jingke, MC16A10/Hlic,MC16A7/HLIC,MC16A7-1/HLIC, MC16A10P/HLIC,MC1613B/HUAYI, MC1613/HUAYI,MC1600/HUAYI,WT966Malbro,WT974/Walbro,MP16BZ7/Stable
Spark plug	L8RTF/LD NHSP, L8RTF/BOSCH, L8RTC/CDK
Sound Pressure Uncertain K	LpA,eq: 93dB(A) KpA=3dB(A)
Sound power	LwA : 108,7dB(A) KwA=3dB(A)
Guaranteed power level	LwA : 114dB(A) (2000/14/EC)
Value of vibration	Front handle 10 m/s ² K=1.5 m/s ² Rear handle: 9 m/s ² K=1.5m/s ²

3. ASSEMBLY

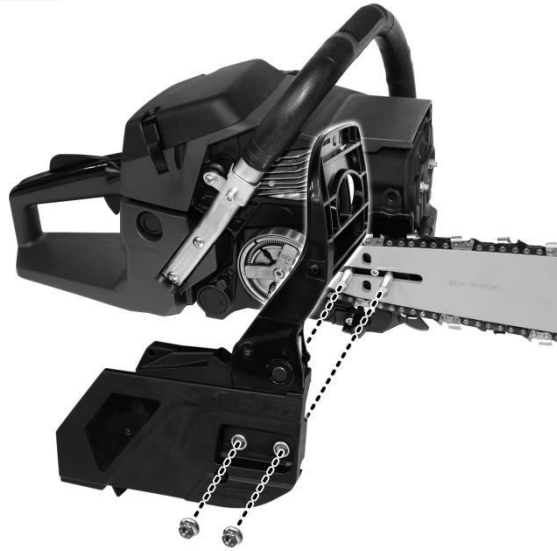
WARNING! Do not start the chainsaw until it is completely set up for use. Wear protective gloves when handling the chain.

a. Assembly of the chain guide

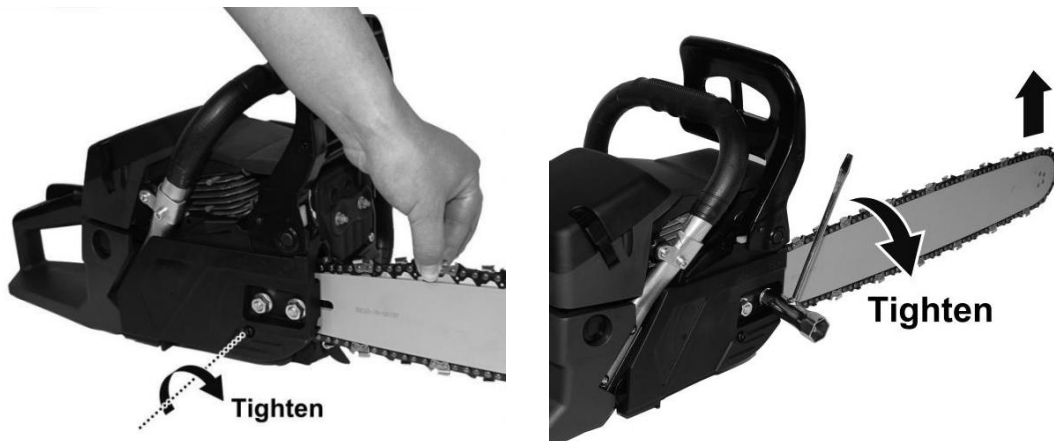
1. Make sure the device is turned off. Place the tool on a flat surface.
2. Move the chain brake to the operating position by pulling the lever toward you.
3. Loosen the nuts and remove the guide bar cover.
4. If installed, remove the spiked bumper cover from the spiked bumper.
5. Install the bar on the tool.
6. Pass the chain behind the wheel of the drive chain, respecting the direction of the direction of the teeth.
7. Insert the links into the guide groove.
8. Rotate the chain to make sure the teeth of the chain engage the teeth of the chain wheel.



9. Replace the protective cover so that the bolts go into the holes and the chain tension adjustment screw goes into the lower hole in the bar (use a flathead screwdriver to move the pin if necessary).



10. Install the two nuts, tighten them by hand, then follow the instructions to adjust the chain tension. When the chain has reached the correct tension, fully tighten the nuts.



NOTE: Repeat the installation if the chain is not tight or not properly installed.

b. Adjusting the chain tension

- Loosen the nuts (on the protective cover) and turn the adjustment screw clockwise to tension the chain. Turn the adjusting screw counterclockwise to decrease the chain tension. Make sure the chain is all the way around the bar.
- After adjusting the chain, securely tighten the nuts securing the bar. The chain is considered correctly tensioned if you can move it manually on the bar without effort. The chain should fit snugly on the underside of the saw blade and be pulled by hand from the blade approximately 2-4mm.

NOTE: the chain has difficulty moving on the bar or stops, it is too tight. Release the tension.

4. FILLING THE FUEL TANK AND OIL TANK

TO FILL THE OIL TANK

WARNING! Never use used oil! Waste oil is harmful to the environment and may result in damage. Chain saw oil should be used to lubricate the saw chain and bar. Use oil that contains additives to reduce friction and wear and to prevent resin build-up on the bar and chain.

WARNING! Before filling the oil tank, make sure that the chainsaw is turned off.

1. Be sure to clean the surface around the oil tank cap to prevent dirt from getting inside.
2. Unscrew the oil tank cap and pour in the chain saw oil.
3. Screw the oil tank cap back on.
4. Before you start, check the oil supply: switch on the chainsaw and hold it over suitable bedding. If it is sufficiently lubricated, a light trail of dripping oil will form.

WARNING! Always check the oil level. Do not operate the chain saw if there is insufficient oil to lubricate the chain.

Proper lubrication is essential to reduce chain and bar friction. Operating a chain saw with insufficient lubrication reduces performance and service life and causes fast chain and bar wear due to overheating.

This chainsaw is equipped with an automatic lubrication system that provides the necessary amount of lubrication to the bar and chain. As the engine speed increases so does the oil supply to the bar.

TO FILL THE FUEL TANK

WARNING: When filling the tank:

- **The chainsaw must always be stopped and cooled.**
- **Never smoke during refueling. It must not have flames or sparks near the fuel.**
- **Before refueling, allow the chainsaw to cool completely. Do not attempt to refuel when the engine is hot.**
- **If fuel has been spilled, immediately stop refueling and do not start the engine. Clean up the spill and fill the machine in another location.**
- **Never fill the fuel tank to the flange; there is a risk of overflow.**
- **Do not refuel in a closed and unventilated area.**

The fuel used for this tool is a mixture of unleaded gasoline and registered engine lubricant. When mixing gasoline with oil, use only gasoline that does not contain ethanol or methanol.

Unleaded gasoline is a quality gasoline type. This will help to avoid damaging the fuel lines of the engine and other engine parts.

The recommended mixing ratio is 40:1 (make sure the mixing ratio is correct before filling the product).

a) Mixing

- Mix in a clean, empty container (supplied).
- Pour the oil into the container.
- Pour the fuel into the tank. Mix the mixture long enough (more than one minute) to get a good combination.

b) Filling the fuel tank

- Unscrew the fuel tank cap and remove it.
- Fill the tank slowly with the mixture. Do not exceed the maximum capacity (fill to 80% of its capacity preferably).
- Replace the cap on the fuel tank and tighten it.
- Wipe any spillage around the unit if necessary.

Note: To avoid damage and accidents, DO NOT USE OTHER MIXTURES AND OTHER TYPES OF OIL / PETROL

c) Storage of fuel

The fuel must be kept in a clean and safe container and always closed.

If you are not using the product for a long time, remove the fuel mixture and add it to a

container.

Do not leave the fuel for a long time in the product. The fuel may clog the carburetor and the engine will not operate properly.

d) **Disposal of fuel**

When the fuel is no longer used or worn, please dispose of it in an authorized location. Check local laws regarding disposal of fuels.

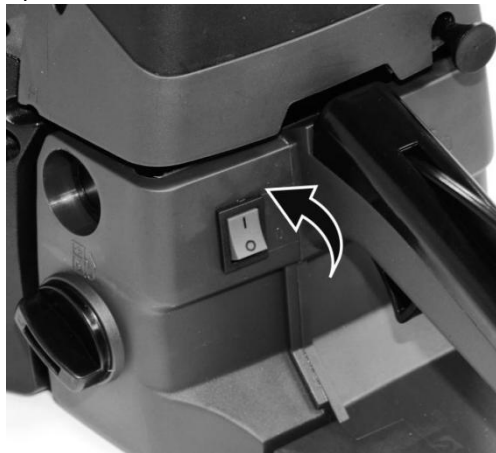
5. OPERATION

Before using the chainsaw, inspect the work area. This must be cleared. Remove any branches, obstacles and other items that may cause damage during cutting.

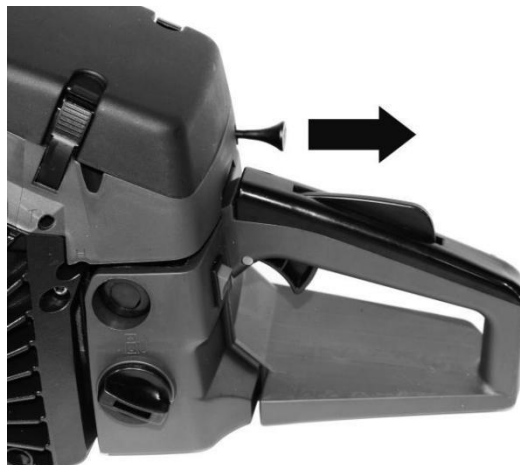
The unit should always be filled with fuel and be usable. Check the level of filling and refill when necessary.

a. **Starting the engine**

- Activate the chain brake by pushing it forward.
- Press the primer pump continuously until fuel enters the pump.
- Set the switch to position I (ON).



- Pull the starter button. The starter will close, and the throttle will be moved to the starting position.



- Hold the chainsaw firmly against the ground. Put the chainsaw:
 - On the left side of your body holding the handle firmly with your left hand. Use your right hand to pull the starter rope.
 - On the right side of your body holding the handle firmly with your right hand. Use your left hand to pull on the starter rope.

NOTE: In both cases, the saw must remain away from the operator's body.

- Forcefully pull the starter rope.

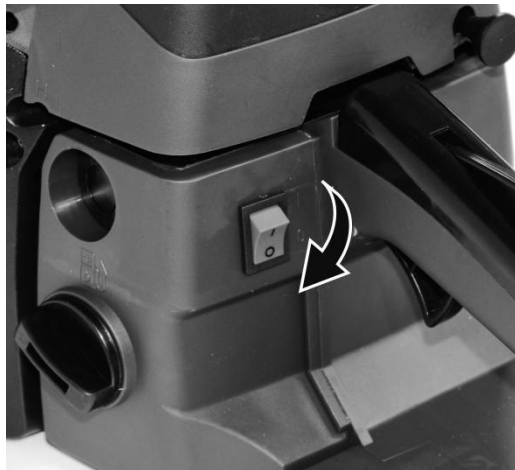
- Let the engine warm up.
- When the engine starts, return the starter to its initial position.



NOTE: If the engine stalls when starting, push the starter back to the first position and pull again.

b. Stopping the engine

Allow the chainsaw to run for a few minutes. Then turn the switch to the position 0 (OFF).

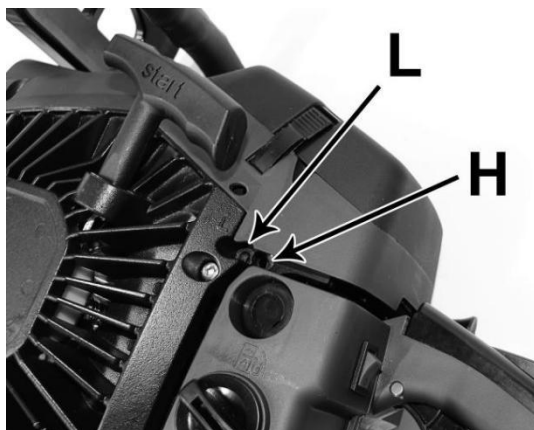


c. Main settings

Adjusting the carburetor

The carburetor is preset at the factory. To avoid malfunction, it is recommended not to adjust the adjustment screws. If these screws require readjustment, have the machine serviced by your service center.

Stop the tool and tighten the needle L until it stops. Do not force it. Then set it to its initial number of turns as shown below. The number of turns for the needle is also shown below:



Chain brake

Starting shall always be done with the chain brake activated. The chain brake is a device that automatically stops the chain in case a backward movement occurs, causing the saw to jump. Normally, the brake is automatically activated by inertia force.

It is also manually tightened by pushing the brake lever down and forward.

When the brake is running, a yellow sign comes out from the base of the brake lever.

To release the brake, pull the brake lever up until it clicks into place.

When the brake is in operation, release the throttle lever to slow down the engine speed.

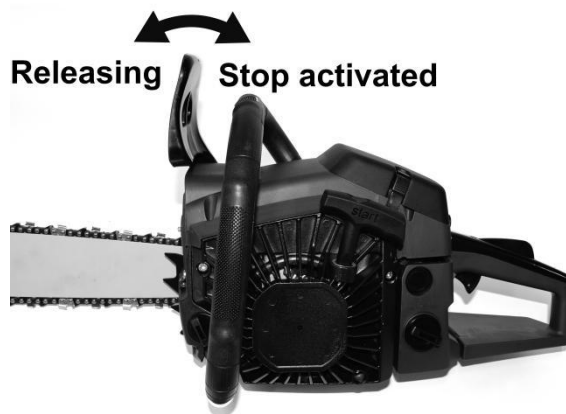
Continuous use when the brake is running causes the clutch to heat up and can cause problems.

When checking the machine before using it, check the operating condition of the brake by performing the following operations:

- Start the engine and grasp the handle firmly with both hands.
- While pulling the throttle control lever to keep the chain in operation, push the brake lever down with the back of the left hand.
- When the brake is running and the chain is stopped, remove the hand from the throttle.
- Loosen the brake.

Release of the chain brake

To use the chain saw again, the chain brake must be released. This must be done machine off and cooled. Pull the shield until it returns to its original position.



d. Sharpening of the chain

For best performance, we strongly recommend that you periodically sharpen the chain. The chain can either be sharpened by a professional or by yourself by providing you with a sharpening guide (make sure you know how to use it).

The chain must be sharpened when:

- Wood chips have become powder.
- To make a normal cut, force on the tool.
- The cut is not straight.
- Vibration increases.
- Fuel consumption has increased.

e. Checking the lubrication of the chain

- Before checking the oil, make sure that the bar and the chain are in place.
- Once the engine is started, turns it at medium speed and checks that the chain oil is sprayed and traces off the ground.
- The oil flow of the chain is adjustable to obtain the proper flow. Insert a screwdriver on the clutch side.
- Turn the adjuster to obtain the correct flow rate for the job.
- The chainsaw must essentially consume the contents of the oil tank between each full of fuel.

Do not forget to fill the oil tank when filling the machine with fuel.

f. Release of a jammed saw

If the saw gets stuck during cutting, the operators should:

- Saw the saw and attach it securely to the cutting foot of the shaft (i.e., trunk side) or has a separate chord from the tool.
- Pull the saw of the cluster while the branch is lifted, if necessary.
- If necessary, use a hand saw or a second chainsaw to release the chain saw.

g. Cutting work

The tool should only be used to cut trees. Do not use it for other applications.

Do not attempt to remove the chainsaw when it is stuck during operation. Stop the machine and remove the wedge blade with a wedge.

Stick your feet well, keep a good balance and do not climb on the tree trunk.

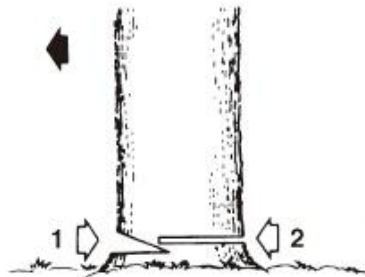
Try not to work on a slope. However, if you have to work on a slope, always stand higher than the tree trunk.

Before bending a branch or trunk in bending, observe the direction of bending and finish the cut opposite the bending side to prevent the chain guide from getting stuck in the cut.

h. Felling of trees

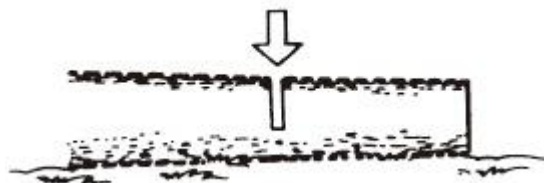
Examine the work area and estimate where the tree will fall. Start the machine as described above. Start by making a notch in the direction of fall chosen.

When the tree falls, shout or make a beep to alert people in the vicinity. When the shaft falls, move away from the cutting area.



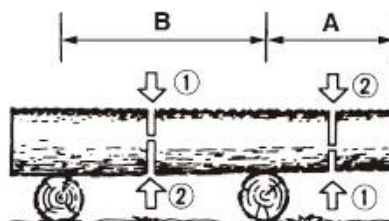
i. Trunk on the ground

Cut half of the trunk, turn it over and finish the cut on the other side.



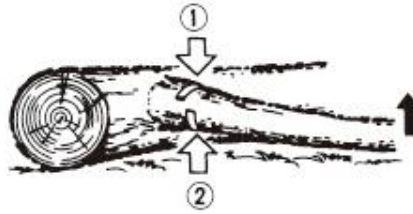
j. Trunk in elevation

Begin by cutting a first part from below and then from above. Then, on the second part, repeat this operation.



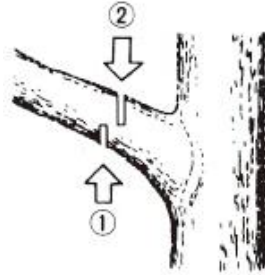
k. Pruning of a felled tree

Observe first the direction of flexion of the branch. Make a first notch on the side in flexion and finish the cut on the opposite side.



I. Pruning a tree

Begin pruning by nicking the tree from below and then finish at the top.



6. MAINTENANCE AND STORAGE

1. Maintenance

Before any maintenance work, the machine must be switched off and completely cooled. Perform the maintenance work according to the instructions below and perform them regularly. A clean, well-maintained machine increases its standard of living and efficiency. On the contrary, a machine maintained can cause damage, accidents and render the tool inoperable in the short term.

Any other maintenance, modification or repair work must be carried out by a qualified professional.

Do not immerse the tool in water or any other liquid.

a. After each use

- Check the chain brake if it works properly.
- Clean the plastic parts with a damp cloth soaked in a little soapy solution.
- Check the wear of the guide bar.
- Check the condition of the sprockets.
- Clean the cylinder fins using a compressor.

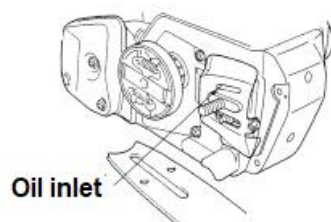
b. Cleaning the air filter

- Remove the tabs then remove the air filter cover.
- Remove the foam.
- Clean the foam with gasoline.
- Make the foam completely dry.
- Replace the foam in the air filter.
- Replace the cover and lock it with the tabs.

After 10 uses, replace the foam with a new one.

c. Cleaning the oil inlet

Remove cover and guide bar. Check the cleanliness of the oil inlet. If the inlet is dirty, remove the dirt with a compressor or a clean cloth.

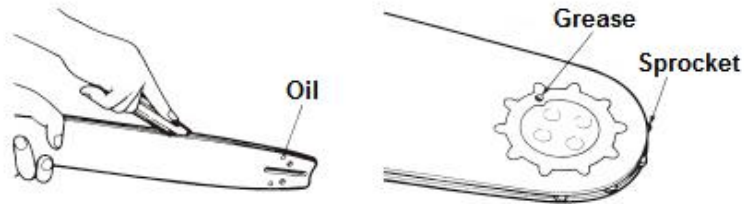


d. Cleaning the oil filter and fuel filter

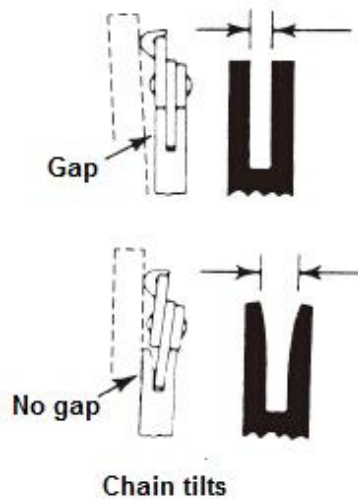
- Clean these items regularly. Remove them from the tanks using clamps.
- Clean them with gasoline and then put them back in place afterwards.

e. Guide bar

- Cleaning: Remove bar guide to remove dirt from grooves and oil inlet.
- Regularly grease the pinion.

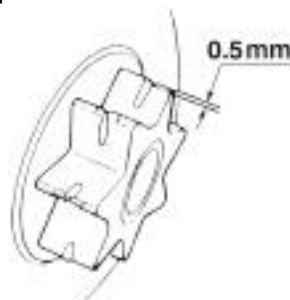


- Reverse the bar from time to time to avoid the effects of wear. The bar rail should always be in place. Use a ruler to observe it. If a gap is observed between them, then the rail is normal. Otherwise, the rail is worn out. A bar must be corrected or replaced.



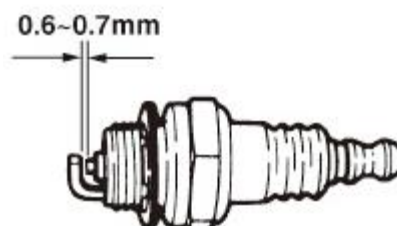
f. Sprocket

Check the sprocket on signs of wear. If wearing is important, replace it with a new one. Do not install a chain on a worn or damaged sprocket. Do not install a worn chain on a pinion.



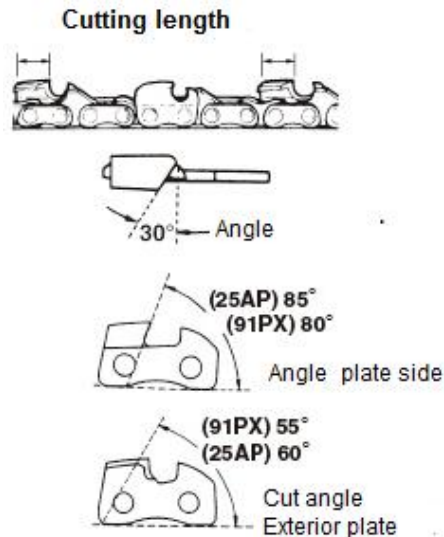
g. Spark plug

Clean the electrodes with a wire brush and set the gap to 0.6mm if necessary.



h. Saw

Check each time the cutter and cutting angles are as shown below.



i. Sharpening of the chain

For best performance, we strongly recommend that you periodically sharpen the chain. The chain can either be sharpened by a professional or by yourself by providing you with a sharpening guide (make sure you know how to use it).

The chain must be sharpened when:

- Wood chips have become powder.
- To perform a normal cut, force the tool.
- The cut is not straight.
- Vibration increases.
- Fuel consumption has increased.

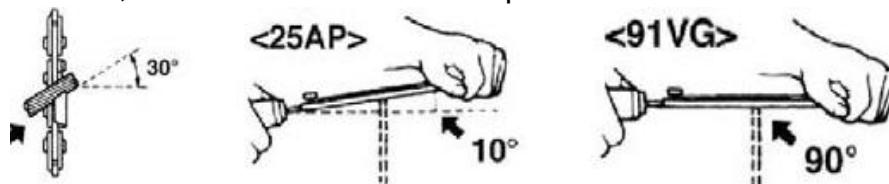
Sharpening method:

NOTE: Wear safety gloves

The chain saw must be switched off and locked before sharpening. Use a round file or sharpening device (see in store).

Place the file on the tooth and push straight. Shift with the same movement.

After sharpening all teeth, check if the teeth are sharp.



2. STORAGE

When storing, the tool must be turned off, cooled, emptied of fuel and thoroughly cleaned. Store the tool in a dry, clean place, preferably in its packaging, and out of the reach.

7. DECLARATION OF CONFORMITY



BUILDER SAS
ZI, 32 rue Aristide Bergès – 31270 Cugnaux - France

Declares that the machinery designated below:
Petrol chainsaw
HTRTPRO5350-4-1

Serial number: 20240704822-20240705021

Complies with the provisions of the Directive " machinery " 2006/42/EC and regulations.
National transposing it.

Also complies with the following European directives:

EMC Directive 2014/30/EU
Emission directive (EU) 2016/1628 & 2018/989/EU
RoHS Directive (EU)2015/863 amending 2011/65/EU

Noise emission Directive 2000/14/EC Annex V and Directive 2005/88/EC
Guarantee sound power level: 114 dB(A)
Measured sound power level: 108.7 dB(A) $K_{WA} = 3,0$ dB(A)

Also complies with European standards, national standards and provisions following techniques:

EN ISO 11681-1: 2022
EN ISO 14982: 2009

Notified body:

Intertek Deutschland GmbH Stangenstraße 1, 70771 Leinfelden-Echterdingen

Code: NB0905

EC-type certification: 17SHW1919-06

Responsible of the Technical file: Mr Patriarca
Cugnaux, 14/06/2024

Philippe MARIE / PDG

8. 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).



9. 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.



10. 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

32 rue Aristide Bergès - Z.I. du Casque - 31270 Cugnaux - France

Tél.: +33(0)5.34.502.502 Fax.: +33(0)5.34.502.503

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

Fabriqué en République Populaire de Chine(PRC)