



说明书材质要求：105g 有光铜版纸	说明书成品尺寸：105*143mm
第一：专色用6级防晒油墨+CMYK油墨要求： 1. PANTONE137C专色油墨（专色用6级防晒油墨）： 如果自己配色，油墨配比为：酒联中黄（防晒）2000g 酒联金红（防晒）225g 2. C色油墨：酒联天蓝墨 3. M色油墨：酒联金红墨 4. Y色油墨：pantone123C专色油墨 5. K色油墨：酒联黑墨	第二：特别注意： 1. 印刷时看样请参考我司提供的实物样品颜色。不得偏色 2. 137C的专色不得参考C=0, M=35, Y=90, K=0对应的四色 色谱颜色来看样印刷 Pantone 137C Black（两色印刷）
折叠方式：风琴折	备注：

特别注意：此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

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20P 页面顺序

11	12	13	14	封面
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更改记录	1. 新制作			1. 更新彩色			1. 修改内页参数		
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INGCO

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**PRODUCT
MANUAL**

GASOLINE CHAIN SAW



GCS5451811



Original Instructions

THE SYMBOLS IN INSTRUCTION MANUAL

	Read the instruction manual before using.
	CE conformity.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Wear safety glasses, hearing protection and dust mask.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Guaranteed sound power level value is 95 dB
	Wear protective gloves when using the device.
	Wear safety shoes
	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.
	This tool must be used by persons trained to cut down trees; Read this instruction manual!

ADDITIONAL SAFETY WARNING

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:

- Always be vigilant when using this product, so you can recognize and manage the risks rather.
- Rapid intervention can prevent serious injury and property damage.
- Turn off and unplug the tool if there are any malfunctions. Have it checked by a qualified professional and have repairs carried out, if necessary, before using it again.
- 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, color changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures.

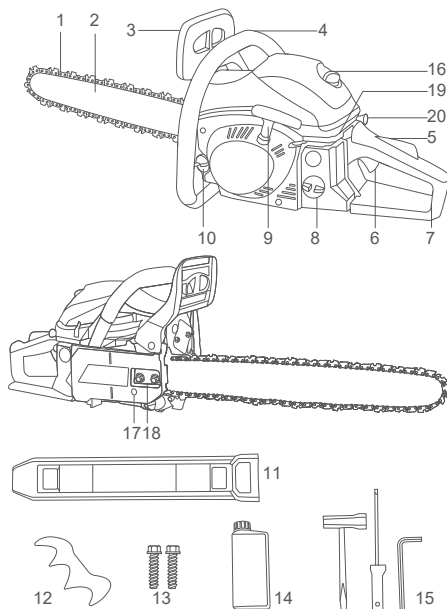
INTENDED USE

The gasoline chain saw is used for logging and wood cutting.

The user bears sole responsibility for any damage caused by inappropriate use.

Generally accepted accident prevention regulations and the enclosed safety information must be observed.

SPECIFICATIONS

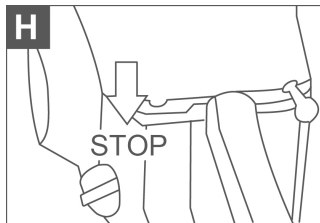
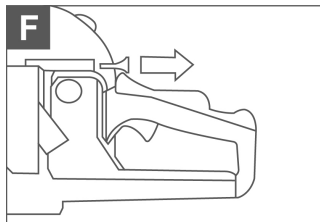
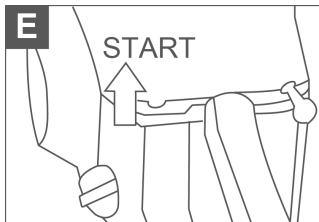
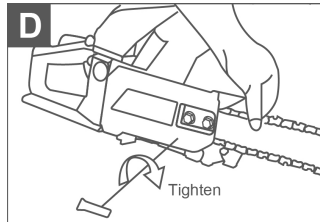
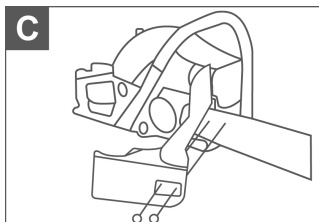
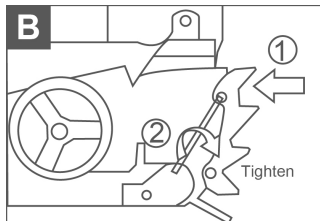
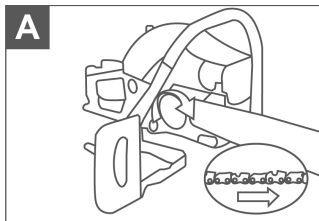


- | | |
|-------------------------|-----------------------------|
| 1. Chain | 11. Guide chain protection |
| 2. Chain guide | 12. bracket |
| 3. Handle protection | 13. screws |
| 4. Main handle | 14. Bottle for fuel mixture |
| 5. Safety trigger | 15. Tool kit |
| 6. Accelerator throttle | 16. Air filter |
| 7. Rear handle | 17. Fastening nut |
| 8. Fuel tank | 18. Screws of fixation |
| 9. Starter rope | 19. ON/OFF switch |
| 10. Oil tank | 20. Choke lever |

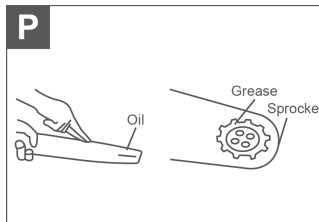
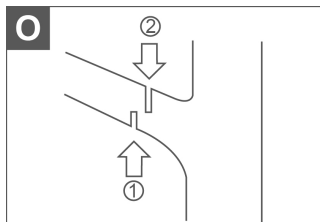
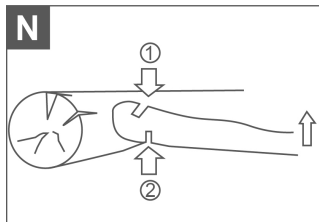
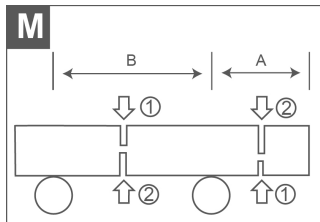
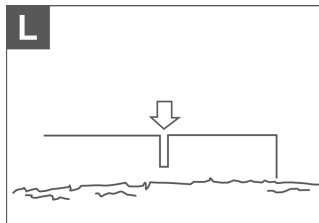
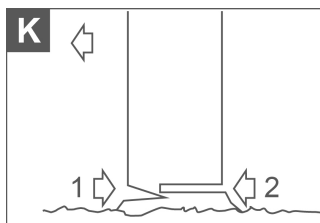
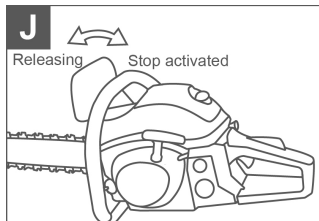
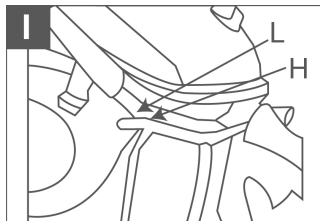
Technical specifications

Model No.	GCS5451811
Type of engine	(air cooled 2-stroke petrol engine)
Fuel Tank Volume	550cm ³
Oil tank volume	260cm ³
Idle speed of the engine	3100±300/min
Engine speed with cutter running	4300/min
Maximum power	1.8 kW
Displacement	46cc
Maximum engine power speed	8000/min
Maximum engine speed	11000/min
Weight (empty tank, without accessories)	5.5 kg
Cutting length	430mm (18")
Chain pitch	8.255mm (0.325")
Gauge of chain	1.47mm (0.058")
Maximal speed of the chain	22m/s
Type of chain	BE18-72-5810P
Type of guide bar	0.325-72-0.058
Teeth count	7 Teethx9,525mm

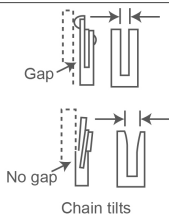
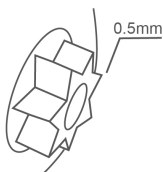
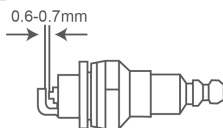
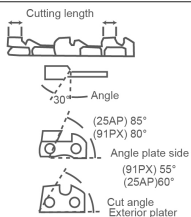
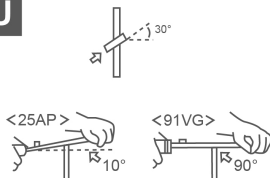
OPERATION PICTURE



OPERATION PICTURE



OPERATION PICTURE

Q

R

S

T

U


OPERATION

Assembly of the chain guide

Important: the machine must not be started during assembly. Wear protective gloves when handling the blade.

- 1) pull the guard toward the front handle to check that the chain brake is not engaged.
- 2) loosen the nuts and remove the chain cover.
- 3) attach the bracket to the rear of the engine assembly with a screw.
- 4) install the guide and mount the chain on the pinion and guide in the direction shown in the diagram. (see Figure A)
- 5) attach the bracket and screw it in place. (see Figure B)
- 6) Reinstall the cover and screw it with the two screws. (see Figure C)
- 7) Adjust the chain tension by turning the tension screw until the straps touch just the bottom side of the bar. Check if the chain is rotated correctly and tight. (see Figure D)

While lifting the chain guide, turn the content screw to apply correct tension to the chain.

Then lock the crankcase nuts.

Rotate the chain with your hand to check that it is turning without excessive resistance and that it is properly tightened.

Repeat the installation if the chain is not tight.

Adjusting the chain tension

The tool motor must be switched off before adjusting the chain tension.

Make sure that the chain is inside the groove of the guide. Hold the guide by its tip. Adjust the tension of the chain with the tension adjustment screw until the chain teeth touch the bottom of the guide.

Turn the chain tension adjustment screw clockwise until the chain is tight. Do not stretch the chain too much. Check the tension of the chain and check if the casing is properly tightened. If this is not the case, please repeat the procedure.

Filling 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

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 useful. Check the level of filling and refill when necessary.

1. Starting the engine

- a) Set the switch to position I. (see Figure E)
- b) Pull the choke lever. It will close and the throttle will be moved to the starting position. (see Figure F)

Hold the chainsaw firmly against the ground. Put the chainsaw:

- Either on the left side of your body holding the handle firmly with your left hand. Use your right hand to pull the starter rope
- Either 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.

In both cases, the saw must remain away from the operator's body. (see Figure G)

2. Stopping the engine

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

3. Main settings

- a) Adjusting the carburetor(see Figure I)

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:

- b) Chain brake

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 the 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 working, 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.

c) Release of the chain brake(see Figure J)

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.

4. 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.

a) Felling of trees(see Figure K)

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, you must move away from the cutting area.

b) Trunk on the ground(see Figure L)

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

c) Trunk in elevation(see Figure M)

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

d) Pruning of a felled tree(see Figure N)

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.

e) Pruning a tree(see Figure O)

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

MAINTENANCE&MALFUNCTIONS

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

Clean the engine block louvers with a blower.

Check the chain brake if it is working properly.

Clean the plastic parts before wiping with a damp cloth.

Check the use of the chain guide

Check the auto lubrication circuit if it is obstructed or not.

Check sprocket condition

Clean the cylinder fins with a compressor

b) Cleaning the air filter

Use a compressor to blow dust and chips.

To clean the filter foam: open the air filter, remove the foam. Clean this foam with gasoline, wring out and dry. Replace the foam in the air filter and reassemble as described in the diagram.

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

c) 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

d) Guide bar

Cleaning: Remove bar guide to remove dirt from grooves and oil inlet.

Regularly grease the pinion. (see Figure P)

Check: 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. (see Figure Q)

e) 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. (see Figure R)

f) Spark plug

Clean the electrodes with a wire brush and set the gap to 0.6mm if necessary. (see Figure S)

g) chain saw

Check each time the cutter and cutting angles are as shown below. (see Figure T)

h) 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 on the tool#
- The cut is not straight
- Vibration increase
- Fuel consumption has increased
- Sharpening method:

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. (see Figure U)

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 of children. Store all accessories and other items with the tool.

Troubleshooting

Suspected malfunctions are often due to causes that the operators can fix themselves. Therefore, check the product using this section. In most cases, the problem can be solved quickly.

⚠ WARNING

Only perform the steps described in these instructions! All further inspection, maintenance and repair work must be performed by an authorized service center or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible cause	Solution
Engine does not start	Tank empty?	Fill the fuel tank.
	Incorrect starting procedure?	Follow the engine starting procedure.
	Spark plug connector not firmly attached?	Attach the spark plug connector firmly.
	Spark plug connector is dirty?	Clean the spark plug connector.
	Excess fuel in the combustion chamber?	Pull the choke knob and start engine several times. If the engine does not start: remove spark plug and dry off electrode.
	Spark plug is soiled (tip is rusted)?	Clean spark plug.
	Primer has been pressed at cold start?	Press the primer 6 times. Follow the engine starting procedure.
	Distance from electrode to spark plug too great?	Set gap between electrodes between 0.6-0.7 mm.
	Incorrect fuel or incorrect mixture?	Stop the engine and empty tank, then fill up with the correct mixture of fuel to oil (40:1).



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