

GASOLINE CHIPPER SHREDDER

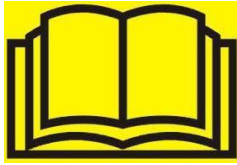
INSTRUCTION MANUAL



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Thank you very much for choosing the Jiarui chipper shredder. It is believed that in a long time in the future, the machine will greatly improve the efficiency of crushing the branches and make your smashing work a pleasure.



Warning! Please read this manual carefully, and be able to identify all warning labels. If you fail to understand the instructions carefully, it will directly affect your using experience or affect the performance of the machine.

Configuration table

Power	13 hp
Type	single cylinder four stroke air-cooled gasoline engine
Gasoline tank	6.5L
Oil tank	1.1L
Weight	115 kg
Height	110cm
Width	61m
Maximum cutting diameter	10cm

Label recognition

The following warning labels can show how to use machines to avoid injury.



Be careful!



Read the instructions!

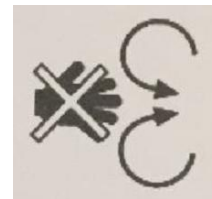


Please wear ear protection!
Please wear protective glasses!
Please wear safety gloves!



Working radius, 10 meters!
Working area, No Admittance!

Attention to fan rotation!

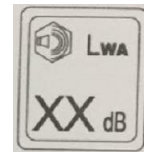


Engine identification



Hot surface!

Noise index



Choke switch

Oil circuit switch



Throttle push rod
(Rabbit - accelerating, speed up
Tortoise - reducing oil and reducing speed)

Packing list

- 1- Feeding hopper
- 2- Discharge chute
- 3- Tool Kits
- 4- Main body (see machine parts diagram)

Machine assembly

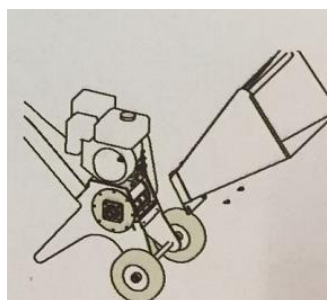
Machine parts diagram:



Installation of feeding hopper:

Note: It is recommended that this work should be done by two people !

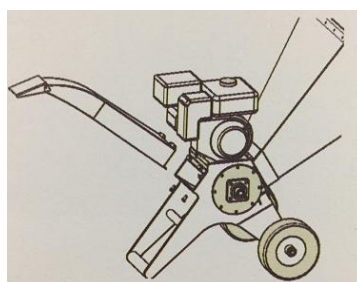
- 1, Insert the bolt of hopper into the bracket of the main engine.
- 2, Put the hopper and tighten the bolts.



Installation of discharge chute:

Refer to the picture on the right,

- 1, Confirm the direction of the discharge
- 2, insert the bolts into the bracket above the main engine and tighten the corresponding bolts.



Instructions

1. Fuel confirmation

Please use No. 90 unleaded gasoline or above!

It is not recommended to use gasoline stored over 2 months!

Please replace or refill the fuel in the open air!

After the replacement, please remain the gasoline engine to be clean !

Make sure that the gasoline is filled to the machine when it is switch off.

Gasoline is harmful to health, please avoid direct contact.

For the first time, it is recommended that the amount of filling should be 550ml~600ml.. Oil standard is 4 stroke 20W-40.

Injection method (read maintenance for reference)

Warning

The cutter head is fixed by special bolts. Please check the tightness of the cutter and the blade fixing bolts before using.

Check whether there is a foreign object inside the inlet. If there is a foreign object, please take it out with a tool.

Do not put clothes, tools, etc. on the machine.

Please work in a flat and open area with good ventilation.

Stay away from the outlet direction.

If the machine has abnormal vibration during working, please stop the machine and send it to the distributor for inspection. Please wear, goggles, ear protection, labor protection gloves when working.

It is recommended that this machine be operated by professional persons. Do not put hand into the inlet hopper.

2, Start-up instructions

Please refer to the quick use manual.

Warning

Please use this machine correctly. Please push the branches into the inlet hopper and the automatic biting system will cut them into pieces.

If the feed is too thick or much, please mind the status of the machine and the engine when slicing. Make sure the rotating speed of the gasoline engine all the time. In order to ensure the working efficiency and experience, please feed materials properly.

When chipping dry branches, please note that the maximum diameter should not exceed 4cm.

If the branches are too thick, please chop or trim it and then shred it separately. When chopping the branches approaching the limit diameter, please grasp the material and push with your hands to avoid the danger of swinging back and forth.

The emergency stop switch is only used for emergency situations, normal shutdown should firstly reduce the engine to idle speed for a few minutes, then switch off the engine.

Maintenance

Tip: Regular inspection and maintenance work can effectively ensure the normal operation of the machine.

Warning

Please stop the machine before doing any maintenance, inspection and so on, and wait until it stops rotating completely. Place the machine in a horizontal position.

1, maintenance of gasoline engine

Routine inspection and maintenance can ensure the perfect performance of the machine. Seasonal maintenance is strongly recommended by professionals.

The adjustment of carburetor is required to be operated by the specialized person of distributor. The incorrect regulation of carburetor will directly affect the performance of gasoline engine.



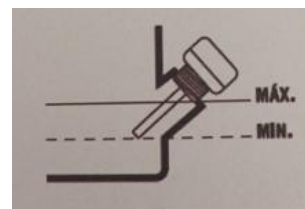
Clean the gasoline engine regularly, especially the location of the oil injection, gasoline tank.

Regularly check if the oil is in normal level.

After the oil is wiped up, put the oil ruler back and check the oil level. (see right picture),

if it's below the minimum level, refill the oil, if

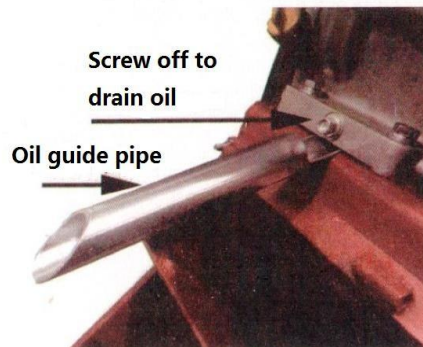
the oil is above the highest position, please release some oil appropriately.



When you clean the machine with a high pressure water jet , please do not pour water into the bearings and inside of the gasoline engine, otherwise, these parts will be damaged.

1.1 , How to change the oil

- Please put the prepared oil container to the bottom of the oil outlet.
- Screw off the oil seal bolt and drain the oil. (see the right picture)
- Quickly place the oil guide pipe to collect the oil avoid oil overflow .



Please follow the below table for routine inspection and maintenance

maintenance	Before each use	After 5 hours using	After 25 hours using	After 50 hours using	After 100 hours using	First use after long shelving	Last use before a long period placement
Inspection lubrication and the bolt fastening states	×					×	Empty the oil and gasoline
Check the oil	×						
Change the oil		×	×	×	×		
Check the blade edge	×						
Cleaning or replacing the filter	×						×
Check or replace the spark plug				×		×	

1.2, Maintenance of air filter

Timely cleaning and maintenance of air filter can effectively prolong the service life of gasoline engines. Please replace the damaged air filters in time.

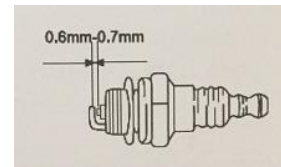
Remove the air filter cover, take out the filter element, wash the filter element in soapy water, and rinse it clean. After drying, add two drops of oil to increase the air filtration effect, and install it back in proper order.

Warning: Prohibit starting a gasoline engine without air filter!

1.3, Inspection of ignition system

Check the spark plug regularly.

Spark plug's contact spacing is 0.6mm-0.7mm, clean up the carbon deposition between contacts in time.



1.4, Cleaning of cylinder cooling sink

The cylinder cooling sink is the main way of cooling down the gasoline engine in operation. Timely cleaning can effectively prevent the cylinder from being damaged due to overheating.



2, Belt maintenance

Please check the tightness of the belt regularly and adjust the tightness of the belt in time. (see the right picture)

--Loosen the fixed bolts(1)

--Loosen the nut, turn the screw stem (2), adjust the tension by turning left and right.

--Ditto, release the tension pulley and you can easily change the belt.

Remind, please tighten the belt properly, if the belt is too tight, it will shorten the usage life.

Tips: Belt tightness can be measured on the double fingers press inward in a range of 2cm or so.



2, Other maintenance

Before storing the machine for a long time, please lubricate the bearing and clean the rotor and knife box, then make the anti-rust protection for the rotor and knives.

Before cleaning and maintaining the rotor, firstly make sure that the rotor is unable to self-rotate.

Regularly check if the emergency stop switch works properly.

Regularly check the tire pressure, the normal value is (1.5~1.9bar).

Movement & transportation

Please do not move the running machine

Note: after the machine is stopped, the surface of the muffler's cover is very hot, and there is a high risk of scald .

Wait at least 5 minutes until the machine is completely cooled.

Due to the self weight of the machine 81kg, it is strongly recommended that the transfer work to be completed by two people. In order to reduce the harm caused by overweight, while transporting the machine with a vehicle, make sure that the machine is fixed safely.

Storage

Store the machine after it 's completely cooled and cleaned thoroughly. Do not leave the machine near the flammable and explosive materials.

If you will store your machine for a long time, follow below steps:

Completely cool down and clean up the machine.

Clean up all the fuel and oil.

Do not let children approach or play on the machine!

Please leave the machine in a dry and ventilated area.

Environmental protection

It is our compelling obligation to protect the environment.

Please do not dispose the waste gasoline and oil arbitrarily. Please do not dump them into the soil, rivers, etc.,

please dispose them properly.

Please do not mix the replacement parts or packaging materials of the Machine together with the household waste, Please recycle and handle them separately.



Common problems and Solutions

Problem	Reason	Solution
Abnormal cutting and unable to take in the materials automatically	<ol style="list-style-type: none"> 1. The blade is heavy wear . 2. Feeding material's diameter exceeded the limit. 	<ol style="list-style-type: none"> 1. Replace a blade. 2. Take out the material and make it smaller.
Uneven thickness of wood slices	Incorrect cutting clearance	Adjust the space of the knives. The correct value should be 0.5-1.5mm.
The gasoline engine won't start	<ol style="list-style-type: none"> 1. Faulty Circuit of gasoline engine 2. Running out of gasoline, engine stop automatically. 3. Lack of oil or too much oil. 	<ol style="list-style-type: none"> 1. Check the stop switch and wire connection. 2. Check oil level. 3. Oil injection or oil release.

If the gasoline engine is running abnormally, please refer to the common problem shooting in the gasoline engine manual. We strongly suggest that you send the machine back to the agency for service.

