

User Manual



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No returns, exchanges or refunds allowed.***

Note: The purchase is not contingent upon a product demonstration. The purchaser shall satisfy himself with the product, including any product demonstration or verification of any function, before buying. KisanKraft Limited or its authorized dealers, including online sellers, shall not be liable to give any on-site demonstration after purchase of any of the product

KisanKraft Limited

(Formerly known as KisanKraft Machine Tools Pvt Ltd)

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Wide Range of Products for Every Need



CONTENTS

Before Getting Started	3
Safety Instructions	3
Technical Specifications	4
Installation of the Tea Harvester	4
Precautions before Operation	5
Precautions during Operation	5
Starting & Stopping of the Engine	6
Repair & Adjustment of Tea Harvester	6
Troubleshooting	8

For more information give **MISSED CALL: 07676065555**

KisanKraft has a large range of products to serve the farmers. A list of our products is given below:

Brush Cutters and Accessories Brush Cutter/Power Weeder Backpack Brush Cutter Tea Pruner Pole pruner with Engine Reaper Attachment Blades-Circular Blades (2 & 3 points) Baffle Nylon Rope Tap & Go Chainsaws Petrol Chainsaw Electric Chainsaw Chain Sharpening Machine Engines and Water Pumps Engine –Diesel-(Horizontal) Engine –Diesel(Vertical) Engine-Kerosene Water Pump with Petrol Engine Water Pump with Kerosene Engine Water Pump with Diesel Engine Hand Tools Secateurs Folding Saw Garden Rake Garden Shovel Hedge Shear Lopper Telescopic Hedge Shear Telescopic Lopping Shear Tree Pruner Telescopic Steel Pipe & Fruit Picker Bag Sheep Shear Garden Tools Electric Pressure Washer Hedge Trimmer Lawn Mower (Electric, Petrol & Manual) Leaf Blower	Cultivators and Accessories Petrol and Diesel Sprayers and Accessories Battery Sprayer Portable Power Sprayer Trolley Sprayer Manual Knapsack Sprayer Manual Pressure Sprayer Rose Cans Hose Crimping Machine HTP Sprayer HTP Delivery Hose HTP Hose Reel HTP Stand HTP Gun / Lance(Brass Rod) Knapsack Power Sprayer Mister / Duster / Granuel Spreader HTP Sprayer Set with Diesel Engine HTP Sprayer Set with Kerosene Engine Fogging Machine Milking Machine Wood Shredder Fodder Ensiling Chaff Cutter Fodder Grinder Chaff Cutter Fodder Mini Chaff Cutter Harvester Maize Sheller Maize Sheller + Dehusker Maize Combine Harvester Onion Digger Carlotti Italy Tea Leaf Harvester Sugarcane Combine Harvester Sugarcane Leaf Stripper Transplanter and Post Hole Digger Paddy Transplanter (2 & 8 Rows) Transplanter-Vegetable & Tobacco Post Hole Digger(4" to 14"Augers)
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Before Getting Started

Thanks for purchasing and using our company's product, and please read the instructions of the product and the engine before operating it so that accidents or injuries can be avoided. After reading, please preserve the manual for future reference.

Safety Instructions

- Please read and understand the safety precautions before starting to operate the machine.
- The machine must not be used by the following:
 - Drunk people
 - Mentally disabled
 - Children and pregnant women
 - People who are unable to operate the machine because of illness and drug allergy
- Clothing
 - Long-sleeved clothes and trousers should be worn, clothes with wide cuffs should be avoided.
 - The cap and the glasses should be worn
 - A pair of gloves is needed while examining the machine and taken good care of.
 - Slippery shoes should be avoided
- Strictly No smoking and open flames allowed
 - Avoid placing the machine near the places that are easy to catch fire
 - No smoking is allowed when the engine is being operated or during refueling.
 - The engine should be stopped during refueling. In addition; please wipe-off any fuel spilled on the engine.

Technical Specifications

Technical Data	Parameter Value
Product model	FB-TH-602
Size(length*width*height)	143*33*33
Engine transmission mode	Automatic centrifugal clutch
Clutch bonding rotating rate	3700-3800 rpm
Blade rotating direction	/ Reciprocating type
Method of starting	Recoil starting
Way of ignition	CDI
Fuel model	2-stroke petrol
Fuel used	Ratio of fuel and lubricant 25-30:1
Cutter bar length	600 mm

Engine Data:

Displacement	25.4CC	
Max. power	0.75KW/7500rpm	
Fuel tank capacity	0.6L	
Ratio of fuel and lubricant	The 1 st 20hours	25:1
	20hours later	30:1

Installation of the Tea Harvester

1. Pull up the pin on the engine output hole, and then put the end of the flexible shaft cover with the hole into it.
2. Turn around the flexible shaft cover to make the pin insert into the hole, therefore, the fixing of the part of the flexible shaft is completed.
3. Please turn around the square flexible shaft slowly with one hand on the part of the flexible shaft cover with the groove. Push it inwards to make the flexible shaft stick into the square hole of the engine with the other hand
4. Adjust the flexible shaft and the square hole of the actuating shaft, push the flexible shaft cover with the groove into the flexible shaft setting.
5. Stick into the flexible shaft pin and install the cutter pin. Thus, the installation of the flexible shaft is completed.

Problem	Probable cause	Remedy
	The piston has a burning smell	Clean every spare parts
	Carbon piled around	Clean
Overheat	Too thin fuel	Adjust the carburetor
	Dust piled on the fan cover and cylinder cooling pin	Eliminate
Vibration noise(abnormal)	Low-quality fuel	Change high-quality fuel
	Carbon piled in the fuel cell	Clean
Others	The block of the air filter	Clean
	Overload	Proper load

Halt of the Operation

Problem	Probable cause	Remedy
Sudden halt of the operation	Piston sintering	Revise the piston and cylinder with file/change the sintering ring
	Short circuit for the piling of the carbon	Clean the carbon
	Problems is the magneto	Examine
	Breakdown of the spark plug cap	Embed as the original form
Halt for the low rotating rate	Scarce fuel	Fill
	The block of the interior carburetor	Examine and clean
	The fuel is mixed with water	Fulfill the fuel again

Halt Difficulty

Problem	Probable cause	Remedy
Carburetor	Overheat of the piston and spontaneous combustion inside	Eliminate the carbon of the cylinder and the piston
Others	Red and hot of the top of the spark plug	Eliminate the electrode and adjust the gap(0.5-0.6mm)
	Cable loss	Insert into

7. The shelving of the engine for a long time

- After the cooling of the engine, the fuel should be poured out, and the lubricant pump should be pressed several times to let the residual fuel back to the fuel tank; finally, all fuel in the fuel tank should be sucked out.
- The spark plug should be pulled down; a few drops of gasoline should be poured into the hole, and the starter should be pulled lightly so that the gasoline can be wiped on the inner wall of the cylinder; finally, the spark plug should be installed again.
- The external sundries on the engine, the tea pulp on the blade and the pressure blade should be eliminated and stored in the dry place.
- Repair of the spare parts that don't work well. The necessary repair, replacement and adjustment should be entrusted to the exclusive shop.

Troubleshooting

Unable to Start

Problem /Indications		Probable cause	Remedy
No spark during fire-lighting of the spark plug	The spark plug	Moistness of the pole	Dry
		The restoration of carbon of the pole	Clean
		Chap of the insulator or low insulation	Change
		Too small/overlarge electrode gap	Adjust 0.5-0.6mm
		The injury of the electrode	Change
	Good compression	Too thick fuel	Adjust the carburetor
		The use of bad fuel	Change the good fuel
Spark during fire-lighting of the spark plug	Bad compression	Badly worn of the cylinder, piston and piston ring	Change
	Carburetor	No fuel	Supply
		Orifice plugging	Eliminate
		The block of the filter network	Clean
	Fuel unsupplied	The loose of the inlet pipe and the carburetor	Fasten

Short of Power

Problem	Probable cause	Remedy
Good compression no burning flameout	The air has come into the seam of the inlet pipe	Fasten
	The air has come into the inlet pipe and carburetor	Airproof and fasten
	The fuel is mixed with water	Change the high-quality fuel

Precautions before Operation

- Examination is needed before operation. Please entrust the exclusive shop to fix the machine if it is necessary to adjust the spare parts.
- Objects for examination before operation.

Examination	Check	Approach
Outlook	Worn-out or loose?	Reinforce it
Fastener	Dropped off or loose?	Tighten it
Gear case	Grease supplied?	Supply the grease every once in 20-30hrs
Blades	Worn-out, broken, or deformed/Lubricant?	Change the spare parts/oil
Air filter	Dirty?	Clean it
Fuel tank	Fuel? The fuel tank cover loose?	Oil Fasten it
Throttle switch	Smooth to operate it from low to high speed?	Adjust/change the spare parts
Engine switch	ON / OFF works well?	Change the spare parts
Blade adjusted nut	The gap of blade well adjusted?	Adjust it
Handle	Fixed	Adjust it

Precautions during Operation

- The fuel must be used with 90# motor petrol and the 2-stroke engine oil, the proportion of the petrol and the engine oil must be correct, in the 1st 20 hrs, the mixing ratio of the petrol and the engine oil is 25:1 and later it will be changed into 30:1.
- No sudden halt of the engine with the high-speed operation. The idling speed is adjusted into 2300-2700r/min, no more casual adjustment.
- For per hour of the rotation of the blade, please oil it once with HG-10 motor petrol, and correctly adjust the blade gap.
- Pour the calcium-based grease into the transmission case for every 8-10 hr. operation.
- No severe collision of the machine when moved.
- Tea Harvester can't be used as hedge trimmers.
- Never touch the blade during the operation of the engine, even under the condition of the separation of the clutch.
- Stop the engine when the workplace is changed or the termination of the operation, even under the condition of the short distance.
- Never touch the spark plug during the operation of the engine.

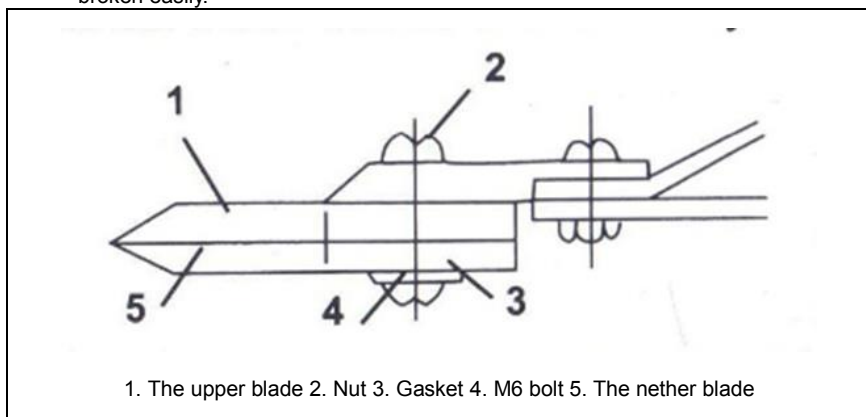
10. The curved degree for the flexible shaft of the single tea Harvester should be proper to avoid being broken. Before operation, please wipe the butter of high temperature on the flexible shaft and stick the tube into it and then pull it several times.

Starting & Stopping of the Engine

1. Press the oil pump several times before startup, as the fuel goes into the carburetor, then the air could come out, at the same time, please guarantee the close of the throttle control handle.
2. As the engine is at the state of cooling or started up in winter, please open the circuit switch and close the choke valve of the carburetor.
3. Press the engine and pull the starting rope.
4. After starting the engine, the users should accelerate the throttle to make it run idle for 2-3min to keep the engine warm, and then reinforce the throttle to make it work normally.
5. To Stop: Make the throttle switch stay at the low-speed position, reduce the rotating rate of the engine, and keep the cooling operation for 2-3min, then close the circuit switch.

Repair & Adjustment of Tea Harvester

1. As the blade is the high-speed sliding components, therefore, the lubricant must be poured into once per hour and the blade needs oiling.
2. Examine and adjust the blade gap. After working for a certain period, the normal gap of blade will be changed either for the fray of the blade or for the loose of the bolts (about 0.05mm). Therefore, the operation of the blade must be examined, as well as the loose of the bolts and the gap of the blade. The fitness of the blade gap determines the function of plucking and cutting. Large gap will make the blade easy to break, which will not only have a negative impact on the quality of the tea, but also result in the unevenness of the surface of the tea garden; On the contrary, it is difficult for the operation of the blade with too small gap, or even the blade will be broken easily.



- a) Loosen the nut;
- b) Use the screwdriver to tighten the screws and then withdraw them for 3/8circle;
- c) Tighten the nut, at the same time, the blade adjusted gasket should be moved

- d) flexibly;
- e) Oil the blade with lubricant;
- f) Start the engine to make the blade operate with high speed for 1 min;
- g) Stop the engine and touch the nut. It works well if the hand bears the temperature of the nut; if not, loosen the bolt and adjust it to the standard.

3. Keep the Air Supply System Clean

- a) Keep the draught fan clean: the draught capacity will be reduced if it is blocked by the extraneous matter, so the draught fan cover should be pulled down so that the interior place can be clarified.
- b) Keep the blast pipe clean: it is easy for the interior place of the blast pipe to restore the pollutants: therefore, the terminal rubber stopper should be pulled down so that the pipe can be clarified.

4. Elimination of the carbon on the spark plug and the adjustment of the gap:

The spark plug must be pulled down and the carbon on it must be eliminated after the engine worked for 25hrs. At the same time, the gap of electrode must be adjusted (0.5-0.6mm).

5. After working for 15hrs, the air filter must be pulled down and cleaned with petrol, after being dried, it should be fixed again. What's more, the cylinder cover also should be pulled down to be cleaned without any carbon /dust left.
6. **Keep the carburetor clean:** During the operation of the tea harvester, the carbon powder in the air and the dust or the tea plant will pollute the engine, apart from clarifying the pollutants of the engine, the carburetor should be cleaned as well after 100hrs. (During the cleaning of the carburetor, the close of 'the fuel tank switch must be guaranteed.)

Attention: The interior spare parts have been fitted with the engine, no more adjustments needed.