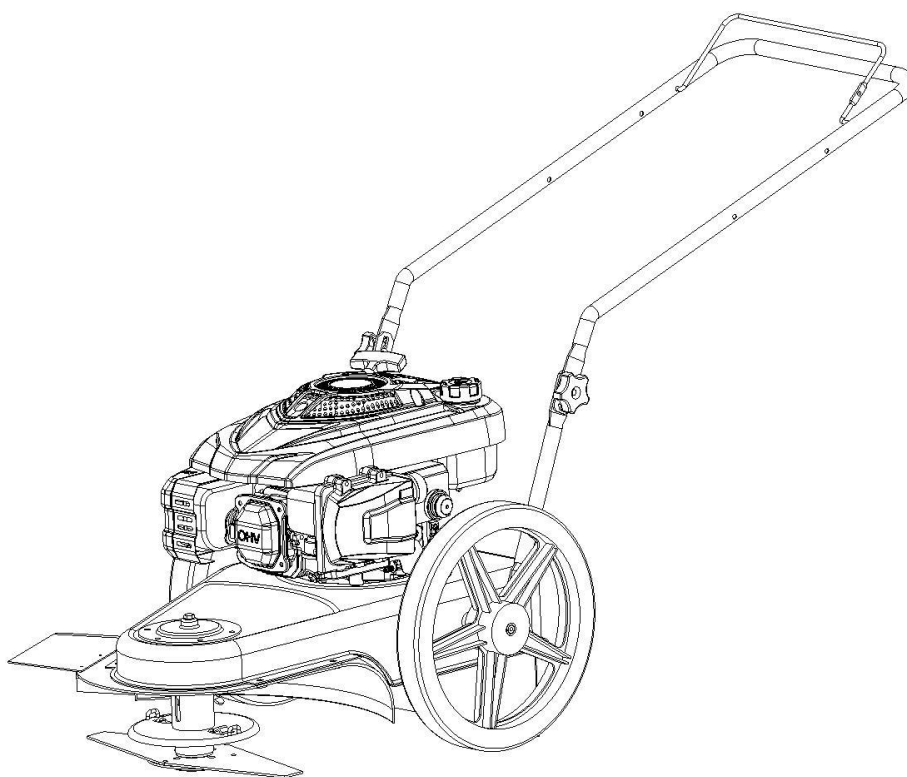




Safe Operation Procedure • Adjustment • Operation • Maintenance • Service • Troubleshooting

Hand Push Orchard Mower Manual



⚠ Warning

Before operating the machine,
please read and observe all the safety rules and instructions in this manual.
If the specified rules are not complied with, personal injury may be caused.

To users

Thank you for buying lawn mower.

Please keep the manual so that you can refer to it at any time.

This manual serves as a permanent part of the gasoline engine. If the gasoline engine is resold, the manual should and will be resold together with the gasoline engine.

follows the strategy of sustainable development. Therefore, Dayang reserves the right to modify and improve any of the products described in this document without prior notice.

Without the prior written permission of Dayang General Machinery Co., Ltd., it is strictly prohibited to reproduce, transmit, distribute, and file anything in this document in any form. Please pay special attention to the statements with the following quotations.

Warning! This word reminds you that if you do not follow the instructions, it may cause serious human injury or damage to the equipment.

Attention! This word reminds you that if you do not follow the instructions, it may cause human injury.

Tips! This word reminds you that if you do not follow the instructions, it may cause harm to gasoline engines or other items

Attention! If the STG-160 Hand-push orchard mower is operated according to the instructions, it can be operated safely and reliably as designed. Before operating the STG-160 Hand-push orchard mower, please read and understand the manual carefully, otherwise it may cause human injury or equipment damage.

Warning! In order to be safe and prevent fire, you must stop the machine from running and stay away from the fire source when fueling!

Look out! Please use 92# pure gasoline or the same grade of ethanol gasoline. Please use 15W-40SF grade oil.

Attention! When using ethanol gasoline, promise that the oil circuit should be sealed to prevent ethanol gasoline from absorbing moisture, which will cause the machine to be difficult to start or stop in normal use.

If there is any problem, or you would like to ask any questions about the lawn mower series products, please contact Dayang General Machinery Co., Ltd.

We not only provide you with high-quality equipment, but also provide you with high-quality and perfect after-sales service. Please feel free to buy and use this product.

The copyright of this specification is protected by law. Without the permission of our factory, no unit or individual may quote, copy or reprint any part of the specification, and the violator will be investigated for legal liability.

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Record product information

Before the adjustment and operation of new equipment, please find the nameplate on the machine and record the information in the specified area on the right. You can look down from the operator position to the back end of the chassis to determine the machine nameplate position. If you want to obtain technical support from our website or local Cub Cadet distributors, the above information may be required.

Model

--	--	--	--	--	--	--	--	--	--	--

Serial Number

--	--	--	--	--	--	--	--	--	--	--

Important safety operation rules

2



Warning: this symbol indicates important safety rules, please abide by them strictly, otherwise it may endanger the safety of personnel and/or the property safety of themselves and others. Before trying to operate this machine, please read and follow all the rules in the manual. Failure to comply with the specified rules may cause personal injury.

Be careful when you see the symbol!



Danger: please operate this machine in accordance with the safety operating procedures in the manual. No matter what type the power equipment belongs to, the operator should operate carefully and accurately, otherwise it may cause serious personal injury. The machine has strong cutting performance, and improper operation is easy to cut off fingers, hands, toes and feet, or cause objects-throwing and other accidents. Failure to comply with safety regulations may result in serious casualties.

General operation

1. Please read the manual carefully and completely before trying to assemble the machine. Before performing the operation, please read, understand and abide by all the machine-related procedures in the manual. Please place this manual in a safe location for reference, general reference and ordering spare parts.
2. Before operating the machine, please fully master the control information and conventional use information related to the machine.
3. This machine belongs to a more precise type of power equipment, please be careful to use it. Please be careful at all times during operation. This machine can only be used to cut vegetation and grass. Do not use it for other purposes.
4. Children under 14 years of age shall not operate the machine. Children aged 14 and over must read and understand the machine-related operating procedures and safe operating procedures in this manual and shall use the machine under the training and supervision of adults.
5. Those responsible for operating the machine must be familiar with these safe operating rules.
6. Thoroughly check the use area of the equipment. Remove all objects that may be involved, picked up, or thrown by a wheeled lawn mower, such as stones, sticks, wires, bones, toys, and other foreign bodies. Throwing objects can cause serious personal injury.
7. Please plan your mowing route and avoid making the direction of the machine towards the road, sidewalk and bystanders and other places. In addition, it is also necessary to avoid making the direction of grass drainage towards the wall and obstacles, so as not to make the discharge bounce back to the operator.
8. To avoid contact injury or throwing injury caused by mowing rope, please stand in the operating area behind the handle and make sure that the distance between the machine and children, bystanders, auxiliaries and pets is at least 75 feet during operation. Please stop the machine when someone passes by.
9. During operation, or during adjustment or repair operation, please always wear safety glasses or goggles to protect your eyes. Throwing objects' bouncing back can cause serious damage to the eyes.
10. Wear strong, thick-soled working shoes and close pants and shirts. It is recommended to wear shirts and pants that could cover arms and legs, as well as steel-headed shoes. Do not be barefoot or wear sandals, smooth or lightweight (such as canvas) shoes during the operation of the machine.

11. Do not place the hand or foot near or under the rotating part. Please keep the discharge area clean at all times, and avoid rotating main shaft and cutting rope to cause damage to personnel.
12. Do not operate the wheel mower until you have ensured that there is no missing protective plate, cover, control rod or other safety protection device and that it is in good working condition.
13. Do not continue to use the wheel mower if the safety device is damaged. Otherwise, it may cause human injury.
14. Slipping or tripping into the interior of a wheel mower is the cause of many human injuries. Do not control the wheel mower when falling down; Please release the handle immediately.
15. Do not pull the wheel mower towards the operator during the movement. If you need to pull the machine back from a wall or obstacle, first look around the ground to avoid tripping. Follow these steps when moving:
 - A. Step back to extend your arms.
 - B. Please make sure to stand steady and keep your balance.
 - C. Pull the wheel mower back half slowly in the operating direction.
 - D. Repeat the above steps if necessary.
16. When under the influence of alcohol or drugs, do not operate the wheel mower.
17. When starting the engine, do not open the self-propelled mechanism on the machine at the same time.
18. Control lever is safety device. Do not ignore its role, or it will make the protective effect of the safety device ineffective, and cause injuries to personnel when in contact with the rotating cutting rope. The control lever can run smoothly in both directions and return to the separation position automatically after releasing it.
19. Do not operate a wheel mower on wet grass. Always pay attention to your standing. Avoid serious personal injury caused by slipping and falling. In case of slipping, release the lever immediately and the spindle will stop rotating within three seconds.
20. Please operate the machine in full daylight or artificial light. Walk at walking speed, don't run.
21. Stop the main shaft when crossing gravel, sidewalk or road.
22. If abnormal vibration occurs when the equipment starts, please stop the engine and check the abnormal reason immediately. Vibration is a regular fault warning.
23. Before cleaning the discharge area, turn off the engine and wait until the main shaft stops completely. After releasing the lever, the main shaft will continue to rotate for a few seconds. Do not place any part of your body in the cutting line area until you are sure that the main shaft has stopped rotating completely.
24. Do not operate the wheel mower until you have ensured that the baffle plate, discharge end cover, control bar and other safety protection devices are available and in good working condition. If the wheel mower safety device has been damaged, do not continue to use. Otherwise, it may cause human injury.
25. Burns can occur when mufflers and engines overheat. Do not touch.
26. Be sure to use the parts and accessories produced by the machine manufacturer. Otherwise, it may cause human injury.
27. When starting the engine, slowly pull the starter rope first, and then quickly pull the starter rope when feeling resistance. Then the starter rope will quickly retract (back), please loosen the starter rope at this time, otherwise the starter rope will pull the arm to the engine direction, thus causing a fracture, abrasion, or sprain.
28. In the event of any situation not described in the manual, please exercise caution and make good judgment. Contact the customer support center for help or the name of a nearby service provider.

Slope operation

Slope is one of the main causes of human slipping and falling, which is easy to cause serious personal injury. Use extreme caution when operating on slopes. Do not continue operation when it is difficult to operate on the slope. For safety reasons, before operating the machine on a slope or hillside area, please measure the slope with the slope measuring instrument specified in the manual. Do not operate if the slope is greater than 15 degrees.

Please operate:

1. Do not upside-down when trimming on slopes. Use caution when changing direction on slopes.
2. Check for holes, pits, rocks, hidden objects or bumps to avoid slipping or tripping. Look out for any obstacles hidden in the grass.
3. Always pay attention to your standing. Avoid serious personal injury caused by slipping and falling. In case of loss of balance, release the lever immediately and the main shaft will stop rotating within three seconds.

Do not operate:

1. Do not operate near steep slopes, ditches or embankments to avoid loss of balance.
2. As shown in the figure, do not trim on slope where the number indicated by the slope meter exceeds 15 degrees.
3. Do not trim on wet grass. Unstable standing may cause people to slip.

Be aware when there are children staying

Operators should pay attention to the presence of children nearby to avoid causing serious injury. Wheel lawn mowers and pruning operations may attract children's attention. Please note that they don't have a sense of defense. Make sure they stay away from the wheel mower.

1. Keep the children away from the trimming area. The responsible person other than the operator should take care of the children.
2. Be alert when children enter the trimming area and turn off the wheel mower.
3. Keep an eye out for children in the vicinity before and while you move backwards.

4. Take extra care when approaching blind corners, doorways, shrubs, trees or other objects that interfere with your vision. Do not allow children to touch the wheel mower.
5. Keep children away from hot or running engines to avoid being burned by high temperature mufflers.
6. Children under the age of 14 are not allowed to operate this machine. Children of 14 years of age and above must read and understand the machine-related procedures and safe operation procedures in this manual and use them under adult training and supervision.

Service

Safe handling of gasoline:

1. To avoid causing personal injury or property damage, take extra care when handling gasoline. Gasoline is volatile and its steam is explosive. Gasoline is easily ignited when sprayed on the body or clothes, causing serious personal injury. To avoid such incidents, wash your skin and change your clothes immediately.
2. Please be sure to use qualified gasoline cans.
3. Do not fill the oil tank with plastic pipe in the car, truck or trailer. Place the container away from the vehicle before filling.
4. Please remove the wheel mower and fill it with fuel on the ground. If the above operation is not possible, use a portable container to fuel the wheel mower. Do not inject oil directly through the gasoline feeder nozzle.
5. Always hold the nozzle close to the edge of the fuel tank or the orifice of the container until the end of the oil filling operation. Do not use nozzles-lock equipment.
6. Extinguish all cigarettes, cigars, pipes and other flammable sources.
7. Do not oil the machine indoors as flammable vapors may accumulate in the area.
8. When the engine is overheating or running, do not remove the fuel cap or fill with fuel. The engine must be cooled for at least two minutes before refilling.
9. Do not overfill the fuel tank. Make sure the fuel volume is lower than 1 inch to the bottom of the filler to allow room for fuel expansion.
10. Put the cap back in place and tighten it.
11. When gasoline spills, wipe fuel sprayed on engine and equipment. Move the machine to another area. Please wait 5 minutes before starting the engine.
12. Do not place the machine or fuel tank near an open fire, water heater spark or indicator light, heater, stove, clothes dryer, or other gas burner.
13. Keep machine away from haystack, leaf pile or other debris pile to avoid fire. Remove spilled oil or fuel, and remove debris soaked in fuel.
14. Allow the machine to cool for at least 5 minutes before storage.

Routine maintenance:

1. Do not run the engine indoors or in a poorly ventilated area. Engine exhaust contains carbon monoxide, a non-odorous and deadly gas.

2. Before cleaning, repairing or inspecting the machine, make sure its main shaft and all moving parts are out of service. Disconnect and ground the spark plug wire to avoid accidental engine starting.
3. Check whether main shaft and engine mounting bolts are tightened regularly and frequently. In addition, check whether the main shaft is damaged from the outside. Replacement parts must be original equipment manufacturer parts listed in the manual. "Using parts that are not of the original equipment specifications may cause abnormal performance and endanger personal safety!"
4. Ensure that all nuts, bolts and screws are tightened to ensure that the equipment is in safe working condition.
5. Do not tamper with safety equipment. Check the working condition of safety equipment regularly.
6. When the machine hits a foreign body, stop the engine, disconnect the spark plug wire and ground it to avoid abnormal engine starting. Thoroughly check whether the wheel mower is damaged. Repair faults before starting and operating wheel mower.
7. When the parts of the lawn mower, protective cover and shield are damaged or excessively worn, the moving parts may be exposed or objects may be thrown. For safety reasons, please check the machine parts frequently. If necessary, be sure to replace the original parts with the original equipment manufacturer parts listed in the manual. "Using parts that are not of the original equipment specifications may cause abnormal performance and endanger personal safety!"
8. Do not change the engine governor setting or make the engine overspeed. The governor controls the maximum safe speed at which the engine runs.
9. Frequently inspect fuel lines, fuel tanks, fuel pipes and fittings for damage or leakage. Replace them if necessary.
10. Do not start the engine after removing the spark plug.
11. If necessary, maintain or replace the safety label and instruction label.
12. Comply with laws and regulations on proper handling of materials. Improper disposal of liquids and materials can harm the environment.

Do not modify the engine

Do not modify the engine so as to avoid causing serious casualties. Tampering with governor settings may cause engine's overspeed, cause abnormal operating speed, and endanger safety. Do not tamper with the factory settings of the engine governor.

Preparation and inspection before starting

(I) Check the engine oil level. There is no oil in the newly purchased lawn engine.

Important items:

- Operating without sufficient lubricating oil will cause serious damage to the engine;
 - When checking, stop the engine and put it in a horizontal state.
1. Remove the oil ruler and wipe it clean. Insert the oil ruler into the engine, but do not rotate. Take out it and confirm the oil level, as shown in figure 5.
 2. If the oil level is too low, add 15w-40sf grade lubricating oil. Engine oil capacity: 0.60L. 15w-40sf grade lubricating oil is suitable for general ambient temperature. If using a single viscosity oil, choose the viscosity corresponding to the average of the area used.
 3. Please do not use two-stroke lubrication oil, which will shorten engine life.

(II) Inspection of air filters

Never run the engine without the air filter, as this will accelerate engine wear.

1. Check the air filter

Operate the filter wrench, remove the top cover of the air filter and check the air filter for dust or obstructions. Remove the filter element and carefully check whether there are holes or cracks in the filter element. If damaged, replace it immediately.

2. Clean air filter element

Gently tap the filter element on the hard surface to remove the accumulated dust, or blow high pressure air sideways from the wire mesh. Do not use a brush to remove dust as the brush squeezes dirt into the fibers. Replace the filter if it is very dirty.

(III) Danger! Gasoline is highly flammable

Check fuel:

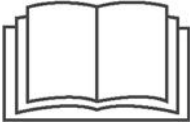
1. Gasoline is very flammable. Under certain conditions, it will explode. No smoking, open flames or sparks near gasoline.
2. Add 92# or higher level fuel, and fill fuel into tank port. Do not allow to add gasoline without cooling the engine.
3. Refueling should be done in a well-ventilated place and the engine should stop running when refueling. Do not smoke at refueling places, and do not store gasoline in open flames and sparks.
4. Do not overfill the tank (there should be no fuel at the neck of the refueling port). After filling the tank, check whether the tank cap is properly closed.
5. Do not splash fuel when refueling. Spilled fuel or fuel volatilization may burn. If there is a fuel spill, make sure fuel has evaporated in the area before starting.
6. Avoid repeated or prolonged exposure to gasoline or inhalation of gasoline volatilized gas.
7. Please keep out of reach of children.

(IV) Check engine brake mechanism

Check the fastening status of all screws/bolts and nuts, paying particular attention to the fastening of blades and other high speed rotating objects. Original parts must be used and all accessories must be installed correctly.

Safety symbols

This page will introduce and explain the possible safety symbols on the products. Please read, understand and follow all the machine-related procedures before attempting to assemble and operate.

Symbols	Explanations
	Read the operation manual Please read, understand and follow all procedures in the manual before attempting to assemble and operate.
	Eye protection Always wear safety glasses or goggles when operating the machine.
	Danger - bystanders Do not prune when there are children or others nearby.
	Danger - easy to cause hand/foot amputation accident Keep hands and feet away from rotating parts.
	Danger - throwing debris Remove any foreign objects that may be thrown around by the machine. Wear safety goggles.
	Danger - slope Be careful when operating on slopes. Do not trim on slopes whose gradient is greater than 15°.
	Warning - gasoline is volatile Cool the engine for at least two minutes before refilling.
	Warning - carbon monoxide Do not run the engine indoors or in poorly ventilated areas. Engine exhaust contains carbon monoxide, a non-odorous and deadly gas.
	Warning - surface overheating During operation, the temperature of engine parts such as muffler is quite high. Make sure the engine and muffler are cooled down before touching.



Warning: your responsibility - limit the use of power machines. Read, understand and follow the warnings and procedures in the manual.

Please keep these instructions! !

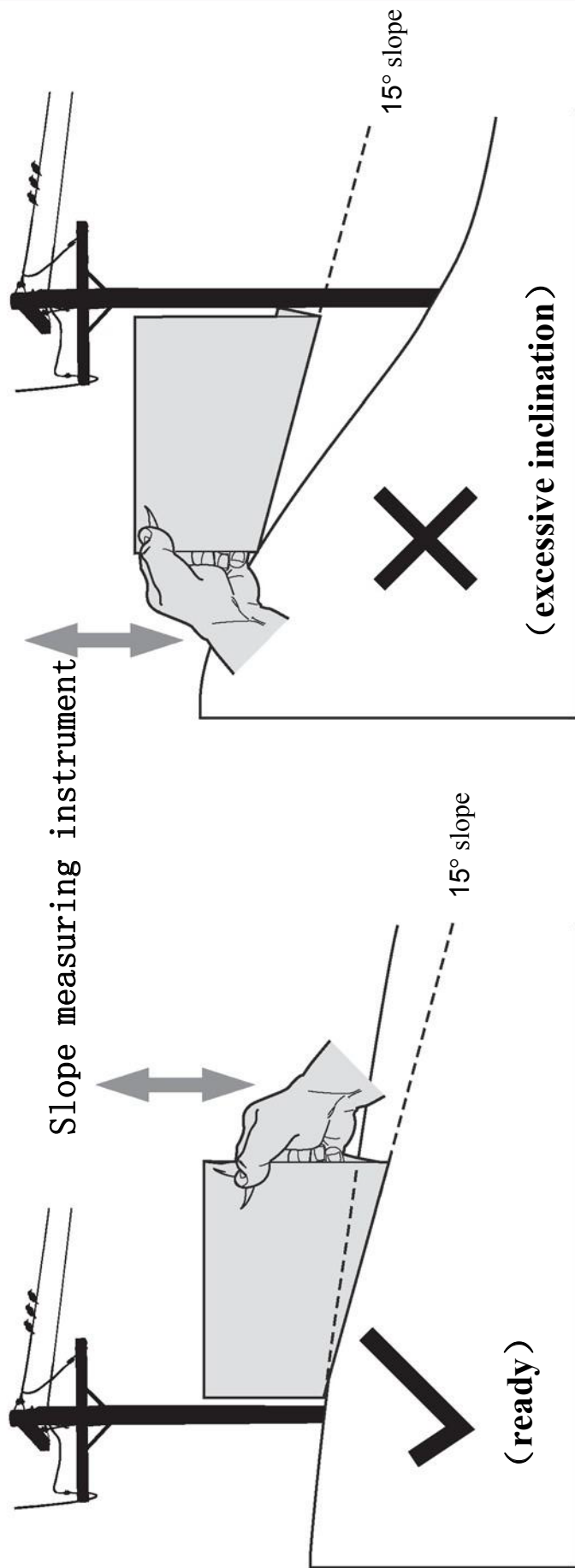


Figure 1

Figure 2

15° dotted line

Use slope measuring instrument (slope gauge) to judge

If the slope is too large, it is not conducive to safe operation! !

To check the slope, follow these steps:

1. Please tear off this page and fold along the dotted line.
2. Find vertical objects (such as poles, buildings, fences, trees, etc.) on or behind the slope.
3. Align either end of the slope measuring instrument with the object (see figures 1 and 2).
4. Adjust the measuring instrument up and down until the left corner contacts the slope (see figures 1 and 2).



Warning! The slope is one of the main causes of people falling and rolling, which is easy to cause serious personal injury.
Do not operate the machine on slopes of more than 15 degrees. Additional caution is required when operating on any slope.
Trim the slope horizontally; not up or down the slope.

Assembly

Note: there is no gasoline or oil in the wheel mower engine during transportation. Fill up the machine with petrol and oil according to the attached engine manual instructions before operating it.

The upper handle

1. Please remove the airfoil knob and carriage screw from the lower left hand handle and lower right hand handle respectively. See figure 3-1.
2. Turn the upper handle into the working position. See figure 3-1.

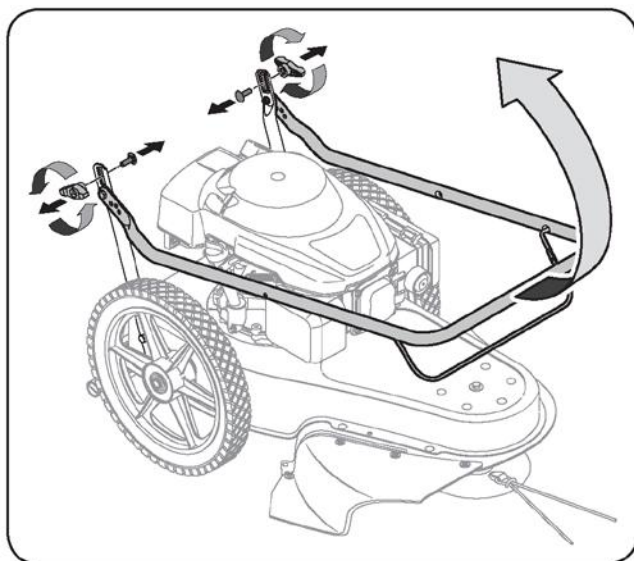


Figure 3-1

3. Rotate the upper handle forward or backward so that it moves to any of the three positions. Connect the upper and lower handles securely using carriage screws and the airfoil knob removed in step 1. See figure 3-2.

Note: please ensure that the upper handle is installed in the hole on the left and on the right correspondingly.

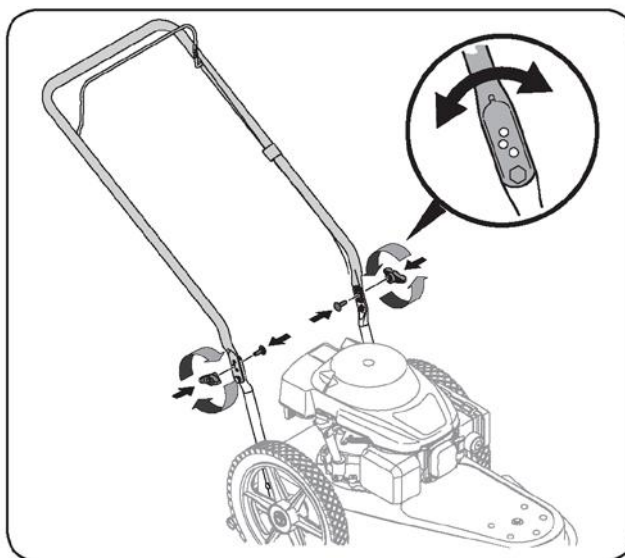


Figure 3-2

The starter rope

1. Disconnect the spark plug sleeve (see the attached engine manual).
2. Rotate the control handle toward the upper handle direction and pull out the starter rope from the engine.
3. Wind the starter rope onto the hanger ring bolt. See figure 3-3.
4. Fix the hanger ring bolt on the handle with the fastening nut. Do not tighten excessively.

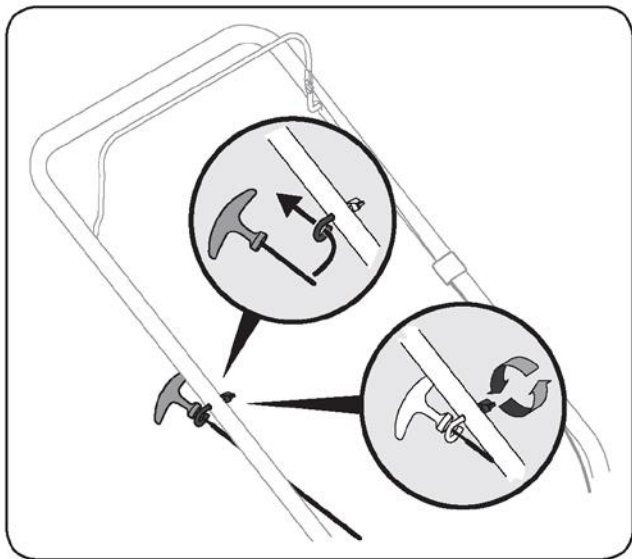


Figure 3-3

Adjustment

Fill it with gasoline and oil

See the separate engine user manual for additional engine information.

1. After taking the machine out of the carton, add the oil with it before the first start.
2. Fill the engine with gasoline according to the separate engine manual.



Warning: use extreme caution when handling gasoline. Gasoline is volatile and its steam is explosive. Do not inject fuel into the machine indoors, or when the engine is overheating or running. Extinguish all cigarettes, cigars, pipes and other flammable sources.

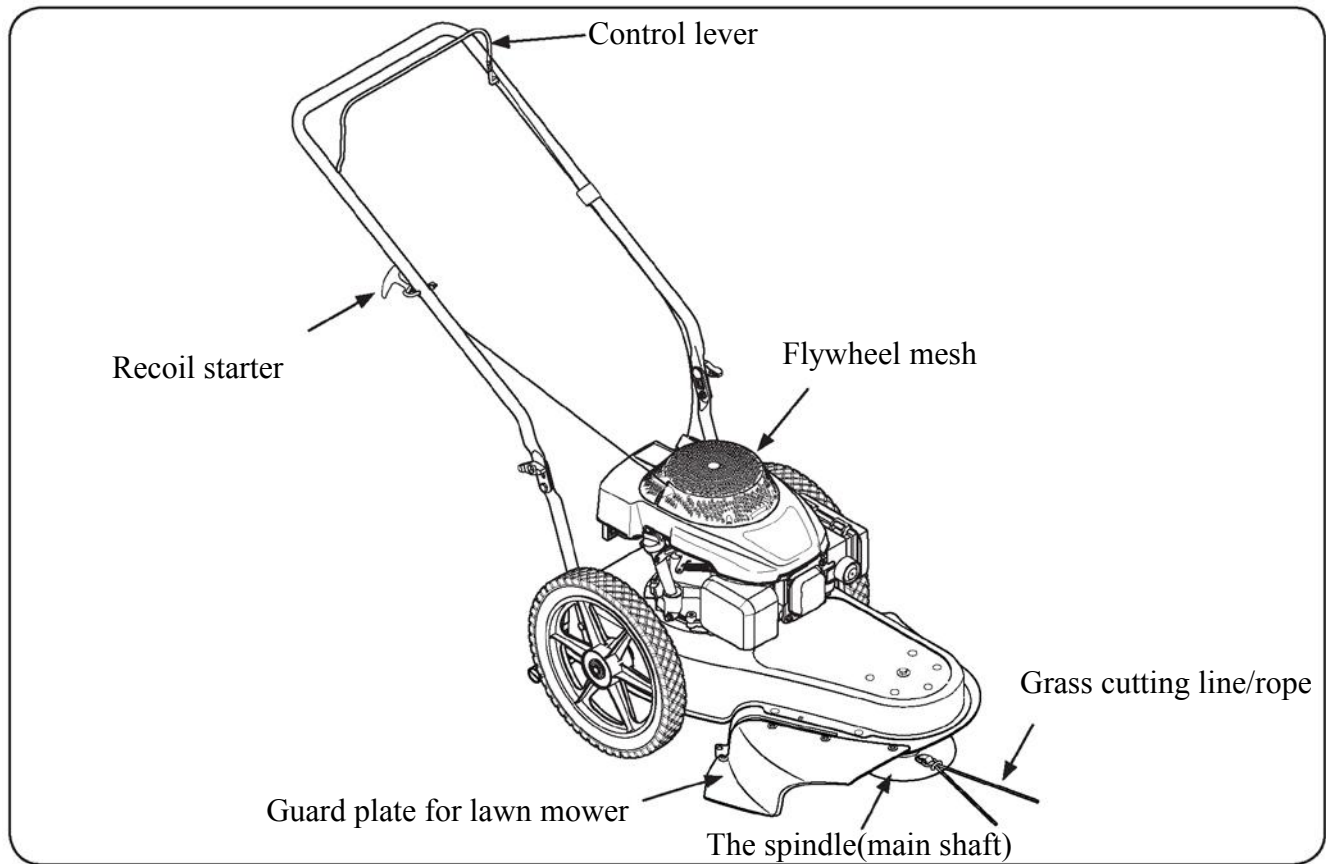


Figure 4-6

Recoil starter

The recoil starter is mounted on the right side of the upper handle. First stand on the back side of the device, and then pull the rope of recoil starter to start the device.

Guard plate for lawn mower

The shield is attached to the base of the mower to prevent debris from being thrown out.

Control lever

Be sure to press the lever first to start the engine and make the main shaft rotate. Release the lever to stop the engine and main shaft of the mower from rotating.



Warning: the control lever is a safety device. Don't overlook its role.

The spindle(main shaft)

The spindle drives the cutting line to rotate.

Grass cutting line/rope

The cutting line is mounted on the main shaft assembly and is used for cutting grass, vegetation, shrubs and weeds.

Flywheel mesh

Please ensure that the flywheel mesh is free of grass or debris stuck.

Engine control

Refer to the independent engine manual for engine control locations and functions.

Adjust spindle height

Spindle height can be adjusted according to the usage. To do this, do the following:

1. Loosen the airfoil nuts on each side of the spindle.
Note: the airfoil nut is specially designed and not removable.
2. Slide the spindle up and down to the desired position before retightening the airfoil nut. See figure 5-1.

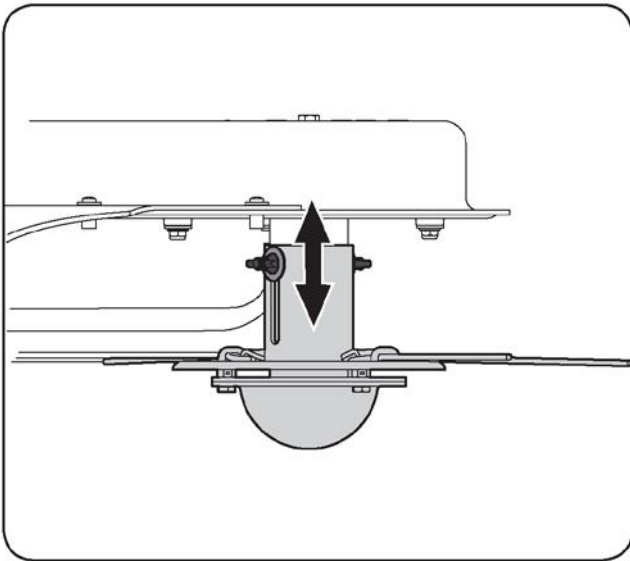


Figure 5-1

Start and stop the engine

For information on starting and stopping the engine, refer to the wheel mower rules in the engine operation manual.

Use a wheel mower

Make sure the trim area is free of stones, sticks, wires or other objects that could damage the wheel mower or engine. Such objects can be thrown in any direction by a lawnmower, causing serious personal injury to the operator and others.



Warning: any type of wheel mower may cause eye injury by flying foreign matter into the eyes. Therefore, always wear safety glasses when operating a wheel mower or performing adjustment and maintenance operations.

- The main shaft of the wheel mower is designed to the left, which allows the operator to trim along the fence, landscape or house to the right without having to make any adjustments to the machine.

- When pruning tall, thick weeds or other grasses, operate the wheel mower at a lower speed.
- After each use, clean the underside of the mower to remove all accumulated weeds.



Warning: please turn off the head of the lawn mower completely and wait until the main shaft stops completely before cleaning the discharge end. After releasing the head control, the head of the mower will continue to rotate for a few seconds.

- Do not prune on slopes with large inclination. Do not prune when it is difficult to stand on the slope. Do not prune on slopes when the surface is slippery or wet. Trim the slope horizontally, not up or down the slope.

Note: when operating the wheel mower, the main shaft should not be in contact with concrete, asphalt or gravel surface, otherwise it will cause premature wear of the main shaft.

Replace the mowing line

To facilitate the removal of worn mowing lines, they need to be replaced before they become too short. (about half the original length).

1. Remove the worn mowing line from the main shaft.
2. Fold the replacement mowing line in half, then cross the two ends into the ring near the main shaft edge.
3. Pull both ends of the mowing line through the ring until it is fixed under the metal protrusion.
4. Cross the two ends of the line and tighten the ends to hold the line in place. See figure5-2.

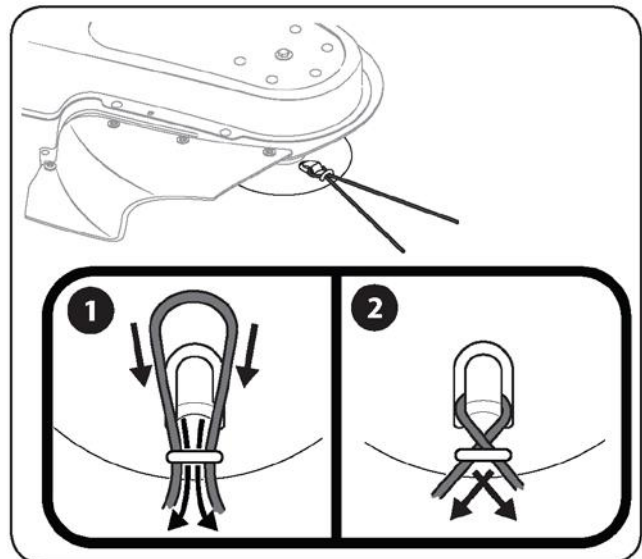


Figure 5-2

Note: Please always use the original mowing line of Dayang General Machinery Co., LTD. For ordering information, please contact the local dealer of Dayang General Machinery Co., LTD.

Maintenance

Conventional advice

- Always follow safety rules when performing maintenance operations.
- The warranty of wheel mower does not cover the items affected by illegal operation or misoperation. To avoid exceeding the warranty, the operator must maintain the wheel mower according to the instructions in this manual.
- If the engine control speed is changed, it is out of warranty.
- All adjustment operations shall be checked quarterly.
- Check all fasteners regularly to make sure connections are firm.



Warning: before performing any maintenance operation on the machine, make sure the engine is stopped, then disconnect the spark plug and ground the lead to avoid abnormal engine starting.

Lubrication

3. Lubricate lever fulcrum with light oil at least once a quarter. The lever must be able to switch smoothly in both directions. See figure 6-1.

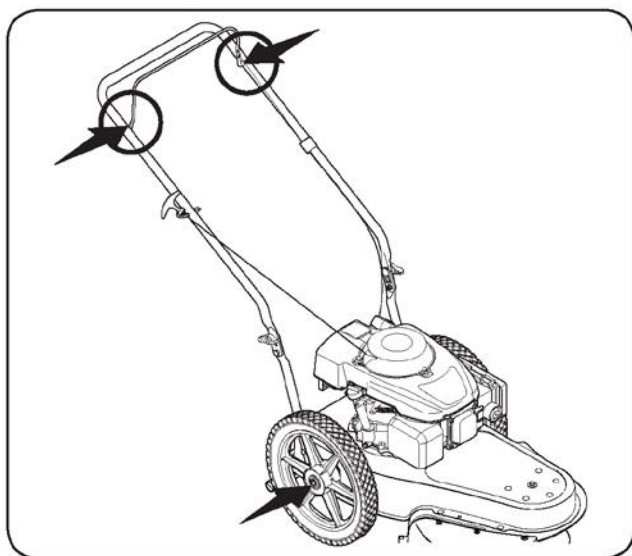


Figure 6-1

1. Lubricate wheel parts with light oil (oil) at least once a quarter. After removing the wheel (for whatever reason), lubricate the surface of the axle bolt and the inner surface of the wheel with light oil. See figure 6-1.
2. Please follow the attached engine manual instructions and lubricate the engine regularly.

Chassis maintenance

Please clean the underside of the machine after each use to prevent the stagnation of grass or accumulation of other debris. Please follow these steps:

1. Disconnect the spark plug wire. Empty the gasoline from a wheeled mower or place a plastic sheet under the cap.
2. Turn the lawnmower over so it leans to one side. Place the side with air filter upward and fix the lawnmower.



Warning: do not turn the lawnmower over 90° in any direction. Do not invert the lawnmower for too long. Oil can run up the engine and cause start-up problems.

3. Scrape and clean the underside of the machine with appropriate tools. Do not spray water.

Important: do not use pressure washer or irrigation hose to clean the machine so as to avoid damage to the engine. The use of water may result in shorter life and reduced maintainability.

4. Place the wheel of the lawnmower on the ground. If you have placed a plastic sheet under the cap, remove it.

Engine maintenance

The following is an important mower engine maintenance work. Refer to the attached engine manual for detailed maintenance instructions and follow the operating instructions.

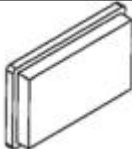
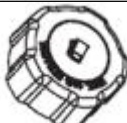
- Keep the oil level at the level indicated in the engine manual.
- Normally, air filters are maintained every 25 hours. Clean every few hours in dusty conditions. Poor engine performance and cylinder flooding usually indicate that the air filter should be repaired. For air filter maintenance, please refer to engine manual.
- Clean the spark plug and adjust the spark plug gap at least once per season. Replace the spark plug at the beginning of each mowing season. Check engine manual for proper spark plug type and gap specification.
- Clean the engine regularly with a rag or brush. Keep the top of the engine clean and ensure air circulation. Remove all weeds, dirt and debris from the muffler area.
- When the engine is stored for 30 to 90 days, the gasoline and oil in the engine should be emptied. Avoid rubber deformation in fuel system or necessary carburetor fittings.

Storage out of working season

Please use the following steps to prepare storing your lawn mower. Refer to the engine manual for specific engine storage procedures.

- Clean and lubricate the lawn mower.
- Store the mower in a dry and clean area. Do not store it near corrosive materials, such as fertilizers.
- Use light oil or silicone to cover equipment, especially cables and all moving parts of wheel mowers.

Problems	Causes	Remedial actions
Engine failure	1. The control lever is not kneaded. 2. Disconnection of spark plug sleeve. 3. No fuel in fuel tank or fuel deterioration. 4. Not pressing the lubricator (if the engine is equipped with pump bubbles). 5. Spark plug failure. 6. Fuel line is blocked. 7. Engine flooded. 8. Fuel valve (if equipped) is closed. 9. Engine choke is not closed (if equipped with choke).	1. Kneading lever. 2. Connect the wire to the spark plug sleeve. 3. Add clean, fresh gasoline to the fuel tank. 4. Press the lubricator as directed in the "Operations" section. 5. Clean, adjust the end cover or replace the spark plug. 6. Clean fuel lines. 7. Wait a few minutes to restart. Do not press the lubricator. 8. Open fuel valve. Refer to engine manual. 9. Close engine choke. Refer to engine manual.
Engine runs unsteadily.	1. Spark plug sleeve is loose. 2. Fuel line blocking or fuel deterioration. 3. Fuel tank cover vent is blocked. 4. Water or dirt in the fuel system. 5. Air filter pollution. 6. The device operates with the choke shut (if equipped with the choke).	1. Connect and tighten the spark plug sleeve. 2. Clean fuel lines; Add clean, fresh gasoline to the fuel tank. 3. Clean air vents. 4. Empty fuel tank. Reinfuse fresh fuel. 5. Refer to engine manual. 6. Open the choke.
Engine overheating	1. Engine oil level is too low. 2. Air flow is blocked.	1. Fill the crankcase with the appropriate oil. 2. Clean the area near the engine and the top.
High speed intermittent jump (discontinuity)	1. Spark plug gap is too small.	1. Adjust the end cover to 0.030 inches.
Poor idling performance	1. Spark plug pollution, failure or large gap. 2. Air filter pollution.	1. Reset the gap to 0.030 inches or replace the spark plug. 2. Refer to engine manual.
Excessive vibration	1. Main shaft airfoil nut is loose. 2. Main shaft is damaged.	1. Tighten the airfoil nut. 2. Obtain technical support from authorized service providers.
Poor mowing performance	1. The cutting line is too short or worn. 2. Main shaft belt is worn or damaged.	1. Replace the mowing line. 2. Replace main shaft belt.

Parts	Parts number and description
	Spark plug
	Air filter kit
	Fuel cap assembly
	Fuel filter
	Brake control wire
	Wheels
	Protective plate
	Baffle plate
	Mowing line

