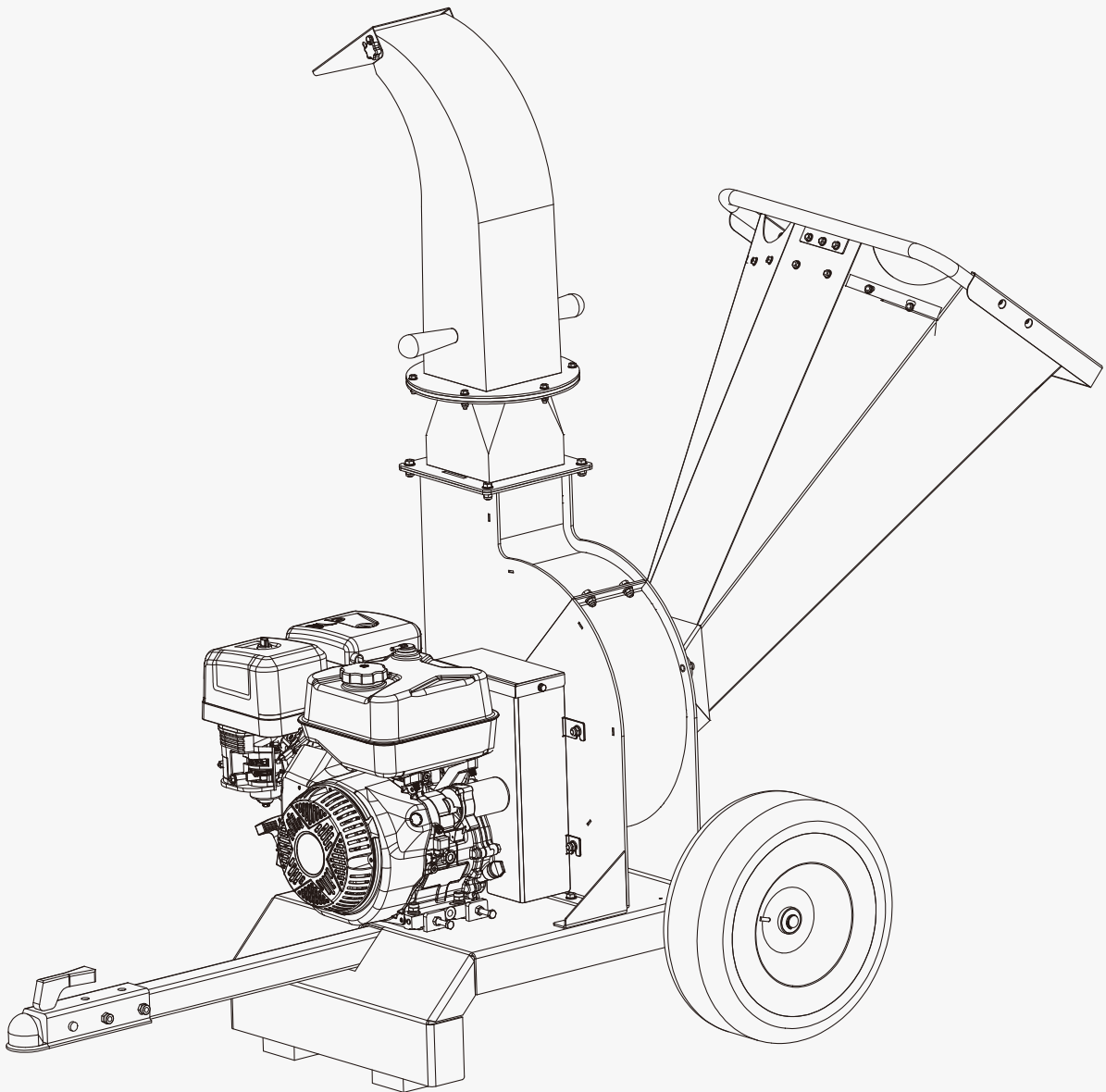




Tow-Behind 4" Wood Chipper | GUO141

Operator's Manual



Warning: Please read and thoroughly understand all instructions before operating. Failure to follow safety rules and other basic safety precautions may result in serious personal injury. Keep these instructions in a safe and easily accessible place so that they can be referred to when needed. Retain these instructions to assist in future servicing.

INDEX

Warning and Safety •	3
General Operating Safety •	4
Product Specific Safety •	4-5
Engine Specific Safety •	5-7
Technical Specifications •	8
Main Components •	9
Unpacking Instructions •	10
Assembly •	11-14
Operation •	15-17
Transporting •	18
Maintenance •	19-20
Chipping Blades Replacement •	21-22
Storage •	23
Warranty •	23
Troubleshooting •	24-25
Exploded and Parts List •	26-27

Warning and Safety

Your attention to important safety instructions. They are meant to alert you to warnings, potential hazards, and best practices when operating this equipment. Make sure to read and follow all safety guidance in this manual to help prevent injury or damage. Anyone using this machine should read the entire manual before operating. Keep this manual for future reference.

Do not allow children to operate this wood chipper. Keep small children away while the machine is in use. Do not allow anyone to operate the chipper without proper instruction.

Warning Symbols and Definitions

DANGER

DANGER INDICATES A SERIOUS INJURY OR FATALITY WILL RESULT IF THE SAFETY INSTRUCTIONS THAT FOLLOW THIS SIGNAL WORD ARE NOT OBEYED.

WARNING

WARNING INDICATES A HAZARD WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY AND/OR PROPERTY DAMAGE.

CAUTION

CAUTION INDICATES YOU CAN OR YOUR EQUIPMENT CAN BE HURT IF THE SAFETY INSTRUCTIONS THAT FOLLOW THIS SIGNAL WORD ARE NOT OBEYED.

IMPORTANT

IMPORTANT INDICATES HELPFUL INFORMATION FOR PROPER ASSEMBLY, OPERATION, OR MAINTENANCE OF YOUR EQUIPMENT.

Intended Use

Foreseeable Misuse

This is a petrol engine-powered wood chipper that breaks up leaves and wooded pieces such as tree branches, brush, and limbs into smaller volume via a high-speed rotor containing chipping blades and shredding hammers. It shall not be used for any other purpose.

WARNING

1. You must read, understand and comply with all safety and operating instructions in this manual before attempting to setup and operate your wood chipper.
2. Failure to comply with all safety and operating instructions can result in loss of machine control, serious personal injury to you and/or bystanders, and risk of equipment and property damage. The triangle in the text signifies important cautions or warnings which must be followed.

WARNING

1. Engine exhaust, wood dust, and gasoline vapors from this product contains chemicals known to the state of california
2. To cause cancer, birth defects, or other reproductive harm.

General Operating Safety

1. Read, understand, and follow all instructions in the manual and on the unit before starting.
2. Position the chipper/shredder on a flat, level, sturdy surface capable of supporting the weight of the chipper / shredder and any additional tools and equipment.
3. Do not attempt to use the machine on a slope or slick surface.
4. Dress appropriately when operating the chipper shredder. Always wear appropriate footwear and safety goggles. Never wear sandals, sneakers or open shoes, and never operate the chipper shredder with bare feet. Do not wear loose clothing that might get caught in moving parts.
5. Never place your hands, fingers, feet, or any other part of your body close to the discharge chute while the chipper/shredder is in operation.
6. Do not look into the hopper, chipper chute or discharge chute when the machine is running.
7. Only allow responsible adults, who are familiar with the instructions, to operate the unit. Keep children away from the equipment, especially while it is operating.
8. Be sure the area is clear of other people before operating. Stop the unit if anyone enters the area.
9. Always maintain secure footing and solid balance while starting or operating the chipper shredder. Never lean directly over the machine.
10. Only operate the machine during daylight or in well-lit areas. Never use it indoors or in enclosed spaces without proper ventilation.
11. Do not operate the unit while under the influence of alcohol or drugs.
12. Always wear eye and hearing protection when operating this unit.
13. Keep in mind the operator is responsible for accidents occurring to other people or property.
14. Never operate the machine without proper guards, plates, or other safety protective devices in place.
15. Thoroughly inspect where equipment is to be used and remove all foreign objects.
16. Exercise extreme caution when operating on or crossing gravel drives, walks or roads. Stay alert for hidden hazards or traffic.

Product Specific Safety

DANGER

THE CHIPPER SHREDDER HAS SPINNING BLADES THAT CAN AMPUTATE HANDS AND FEET. DO NOT PLACE HANDS OR FEET IN THE HOPPER OR CHIPPER CONE, OR DISCHARGE CHUTE.

WARNING

THIS UNIT DISCHARGES DEBRIS AT HIGH SPEEDS. ALWAYS WEAR PROTECTIVE GOGGLES AND DO NOT OPERATE WITHOUT THE DEBRIS BAG IN PLACE.

Do not allow anyone in the area while the unit is running. If someone does enter the area, shut the unit off immediately until they leave. Organize the work area prior to starting work.

1. Do not operate without the debris bag in place because this unit discharges debris at high speeds. If the unit is operated on hard ground, asphalt, concrete, or other hard surfaces without the collection bag in place. Material can ricochet off of the hard surface and cause an unsafe condition for users and bystanders.
2. Never leave the machine running unattended. Always turn off the engine, wait for the rotor to come to a complete stop, and disconnect the spark plug before leaving the area. Always move the unit to a safe storage area when not in use.
3. Never direct discharge material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator.
4. Always stand to the side of the chipper cone when feeding tree limbs and branches into the unit, as tree limbs, branches, and harder woods may kick back while being chipped.

5. Always keep hands out of the chipper cone and shredder hopper when feeding materials. Never wrap fingers tightly around branches as you are feeding them into the unit, as a sudden inward surge could pull your hands and arms into the unit.
6. Never allow material to build up in the discharge area or shredding chamber, as this may cause new material being fed into the machine to kickback with sufficient force to injure you or other bystanders.
7. Never allow material to build up around the engine during chipper shredder operation. This could result in a fire, or overheating of the engine.
8. Never attempt to reposition or move the chipper shredder unit while it is running. Doing so could cause the machine to tip over, and reaching to steady the unit could result in accidental insertion of your hands into the chipper cone or shredder hopper areas.
9. Never continue to operate the machine if it starts making unusual noise or vibration. Shut the engine off immediately, allow the rotor to stop, disconnect the spark plug wire and secure the wire away from the spark plug. Inspect the unit for any signs of damage or foreign material in the chipping or shredding areas. Remove any solid material that may be preventing the unit from operating properly.
10. Never attempt to clear clogs from the chipper cone, shredder hopper or discharge chute while the unit is running. Always shut the engine off, allow the rotor to come to a complete stop, and remove the spark plug wire from the spark plug before removing excess materials.
11. Never attempt to perform any maintenance, repairs, or attachment of accessories while the unit is running. Always shut the unit off, allow the rotor to come to a complete stop, and remove the spark plug wire from the spark plug before beginning these activities.
12. Always make sure that the shredding chamber, shredder hopper, and chipper cone are empty before starting the unit after it has been idle. Attempting to start the unit with material in these areas could cause the engine starting cord to stop suddenly, injuring your hand and fingers, or toppling the unit over. Vibration is generally a warning sign of trouble.
13. Use only attachments and accessories approved of by the manufacturer of the machine.
14. Make sure chipper shredder is free of debris before starting the engine.
15. Never attempt to make any adjustments while the engine is running.
16. After striking a foreign object, stop the engine, remove spark plug wire, and wait for all moving parts to come to a complete stop. Thoroughly inspect the machine for any damage, repair the damage before restarting and operating the machine.

Engine Specific Safety

Before cleaning, repairing, or inspecting, shut off the engine and make certain that all moving parts have come to a complete stop. Disconnect the spark plug wire and secure the wire away from the spark plug to prevent accidental starting.

DANGER

- 1. ENGINES GIVE OFF CARBON MONOXIDE, AN ODORLESS, COLORLESS, POISON GAS. CARBON MONOXIDE MAY BE PRESENT EVEN IF YOU DO NOT SMELL OR SEE ANY ENGINE EXHAUST. BREATHING CARBON MONOXIDE CAN CAUSE NAUSEA, FAINTING OR DEATH, IN ADDITION TO DROWSINESS, DIZZINESS AND CONFUSION. IF YOU EXPERIENCE ANY OF THESE SYMPTOMS, SEEK FRESH AIR AND MEDICAL ATTENTION IMMEDIATELY.**
- 2. IF YOUR MACHINE COMES WITH A SEPARATE ENGINE MANUAL, BE SURE TO READ AND FOLLOW ALL SAFETY AND WARNING PRECAUTIONS OUTLINED THERE, IN ADDITION TO ANY IN THIS MANUAL.**

Fuel Safety

Fuel is highly flammable—always handle it with care and keep it away from sparks, flames, and hot surfaces.

- a. Only use an approved fuel container.
- b. Never add fuel to a running engine or one that's still hot.
- c. Always refuel outdoors in a well-ventilated area. Never fill the tank indoors or in enclosed spaces.
- d. Wipe up any spilled fuel before starting the engine, and make sure the fuel cap is securely tightened.

Preventing Carbon Monoxide Poisoning

1. Always start and run engine outdoors. Do not start or run the engine in an enclosed area, even if doors or windows are open.
2. Never try to ventilate engine exhaust indoors. Carbon monoxide can reach dangerous levels very quickly.
3. Never run engine outdoors where exhaust fumes may be pulled into a building.
4. Never run engine outdoors in a poorly ventilated area where the exhaust fumes may be trapped and not easily taken away. (Examples include: in a large hole or areas where hills surround your working area.)
5. Never run engine in an enclosed or partially enclosed area. (Examples include: buildings that are enclosed on one or more sides, under tents, car ports or basements.)
6. Always run the engine with the exhaust and muffler pointed in the direction away from the operator.
7. Never point the exhaust muffler towards anyone. People should always be many feet away from the operation of the engine and its attachments.
8. Do not modify the engine governor or run the engine at speeds higher than its intended setting.
9. Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.

Gasoline Fire Risk & Prevention

Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.

1. When storing extra fuel be sure that it is in an appropriate container and away from any fire hazards.
2. Prevent fire and explosion caused by static electric discharge. Use only nonmetal, portable fuel containers approved by the Underwriter's Laboratory (U.L.) or the American Society for Testing & Materials.
3. Always fill fuel tank outside in a well ventilated area. Never fill your fuel tank with fuel indoors. (Examples include: basement, garage, barn, shed, house, porch, etc.) Never fill tank near appliances with pilot lights, heaters, or other ignition sources. If the fuel has to be drained, this should be done outdoors. The drained fuel should be stored in a container specifically designed for fuel storage or it should be disposed of carefully.
4. Never remove the fuel cap or add fuel with the engine running. Stop engine and allow to cool before filling.
5. Do not smoke while refueling or operating engine.
6. Never drain fuel from the engine in an enclosed area.
7. Always wipe up excess (spilled) fuel from engine before starting. Clean up spilled fuel immediately. If fuel is spilled, do not start the engine but move machine and fuel container from area. Clean up spilled fuel and allow to evaporate and dry after wiping and before starting.
8. Allow fuel fumes/vapors to escape from the area before starting engine.
9. Test the fuel cap for proper installation before starting and using engine.
10. Always run the engine with fuel cap properly installed on the engine.
11. During storage, keep machine so gas cap is up.
12. Never siphon fuel by mouth to drain fuel tank.
13. Always have an adult fill the fuel tank and never allow children to fill the engine.
14. Never allow an adult or anyone under the influence of drugs or alcohol to fill engine.

15. When storing gasoline or equipment with fuel in the tank, store away from furnaces, stoves, water heaters or other appliances that have a pilot light or other ignition source because they can ignite gasoline vapors.
16. Never fill containers inside a vehicle or on a truck bed with a plastic bed liner. Always place containers on the ground away from your vehicle before filling.
17. Remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment on a trailer with a portable container, rather than from a gasoline dispenser nozzle.

Burns and Fires

The muffler, muffler guard and other parts of the engine become extremely hot during the operation of the engine. These parts remain extremely hot after the engine has stopped.

Prevention of Burns and Fires

1. Never remove the muffler guard from the engine.
2. Never touch the muffler guard because it is extremely hot and will cause severe burns.
3. Never touch parts of the engine that become hot after operation.
4. Always keep materials and debris away from muffler guard and other hot parts of the engine to avoid fires.

Children and Bystanders

Tragic accidents can occur if the operator is not alert to the presence of children and/or bystanders. Never assume that others will remain where you last saw them.

1. Keep the area of operation clear of all persons, especially small children and pets. Keep children under the watchful care of a responsible adult.
2. Be alert and turn the machine off if children enter the area.
3. Before and while moving backwards, look behind and down for small children.
4. Never allow children to operate the machine

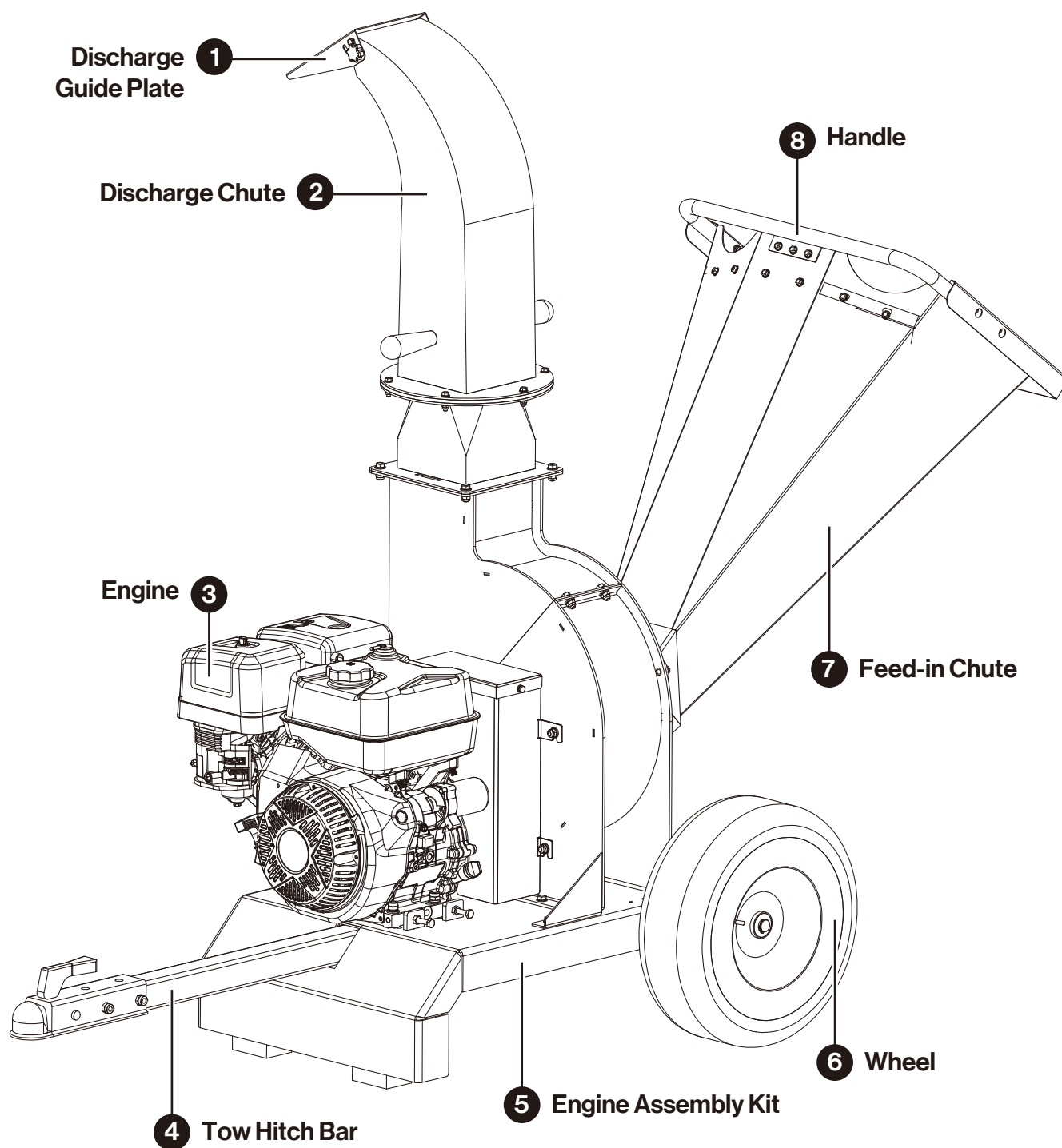
Technical Specifications

SKU#	GUO141
Chipping Capacity	Max. 4" (102mm)
Chipping Blades	3
Reduction Rate	15:1
Chipper Blade Material	CR12MoV
Hopper Dimensions	21"x14" (533.4x355.6 mm)
Limb Chute	YES
Wheel Size	16"x5" (406.4x127 mm)
Wheel Material	Rubber
Wheel Type	Pneumatic
Net Weight	348 lb (158 kg)
Gross Weight	441 lb (200 kg)
Assembled Dimension	77.3"x34"x63.8" (1963.4x863.6x1620 mm)
Packing Dimension	44"x27.5"x42.9" (1117.6x698.5x1089.6 mm)

Engine Specifications

Engine Type	OHV
Engine Power	15HP
Starting	Recil/Electric
RPM	3600
Fuel Capacity	1.7 Gal
Oil	SAE 30W

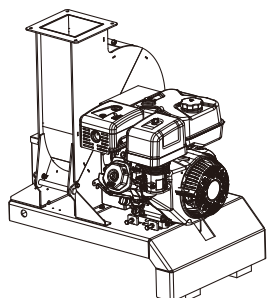
Main Components



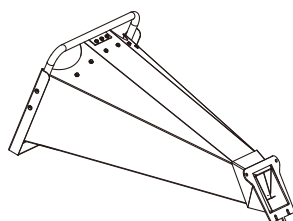
Unpacking Instructions

Remove the wooden plate in the top. With at least two people, lift and move the package from the top.

Packing List



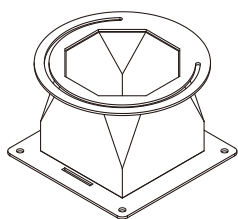
Engine Assembly Kit



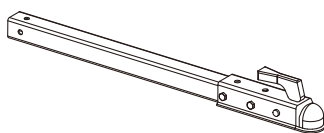
Feed-in Chute



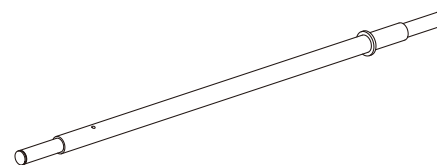
Discharge Chute



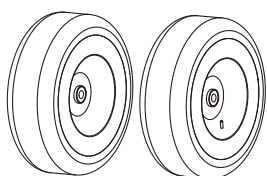
Discharge Chute Mount



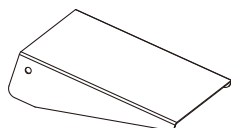
Tow Hitch Bar



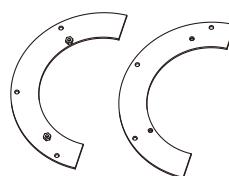
Axle



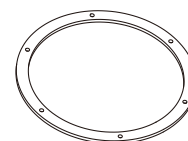
Wheels



Discharge Guide Plate



Lower Mounting Plate



Upper Mounting Plate



M6x12 Bolt (x2)



Ø6 Elastic Washer (x1)



M6 Nut (x6)



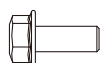
M6x25 Bolt (x6)



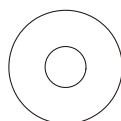
Ø6 Flat Washer (x5)



M8 Nut (x4)



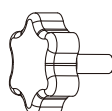
M8x20 Bolt (x4)



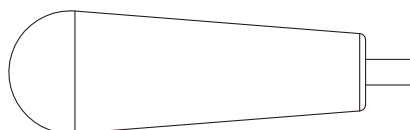
Axle Retaining Ring(x1)



Circlip (x2)



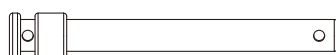
Star-shape Bolt (x3)



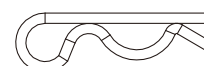
Handle (x2)



Cotter Pin (x1)



Pin (x1)



R-Pin (x1)

Assembly

Tools Required



Open-end Wrench (Not included)
10mm(x2), 12mm, 13mm



Circlip Pliers
(Not included)



Cross Screwdriver
(Not included)

WARNING

Before installation, it is necessary to assess the equipment's weight. It is recommended to use lifting equipment or seek assistance from others to complete the installation, and to ensure a safe installation environment to reduce risks and avoid potential damage to equipment or personnel.

Step-1 Assemble The Wheels

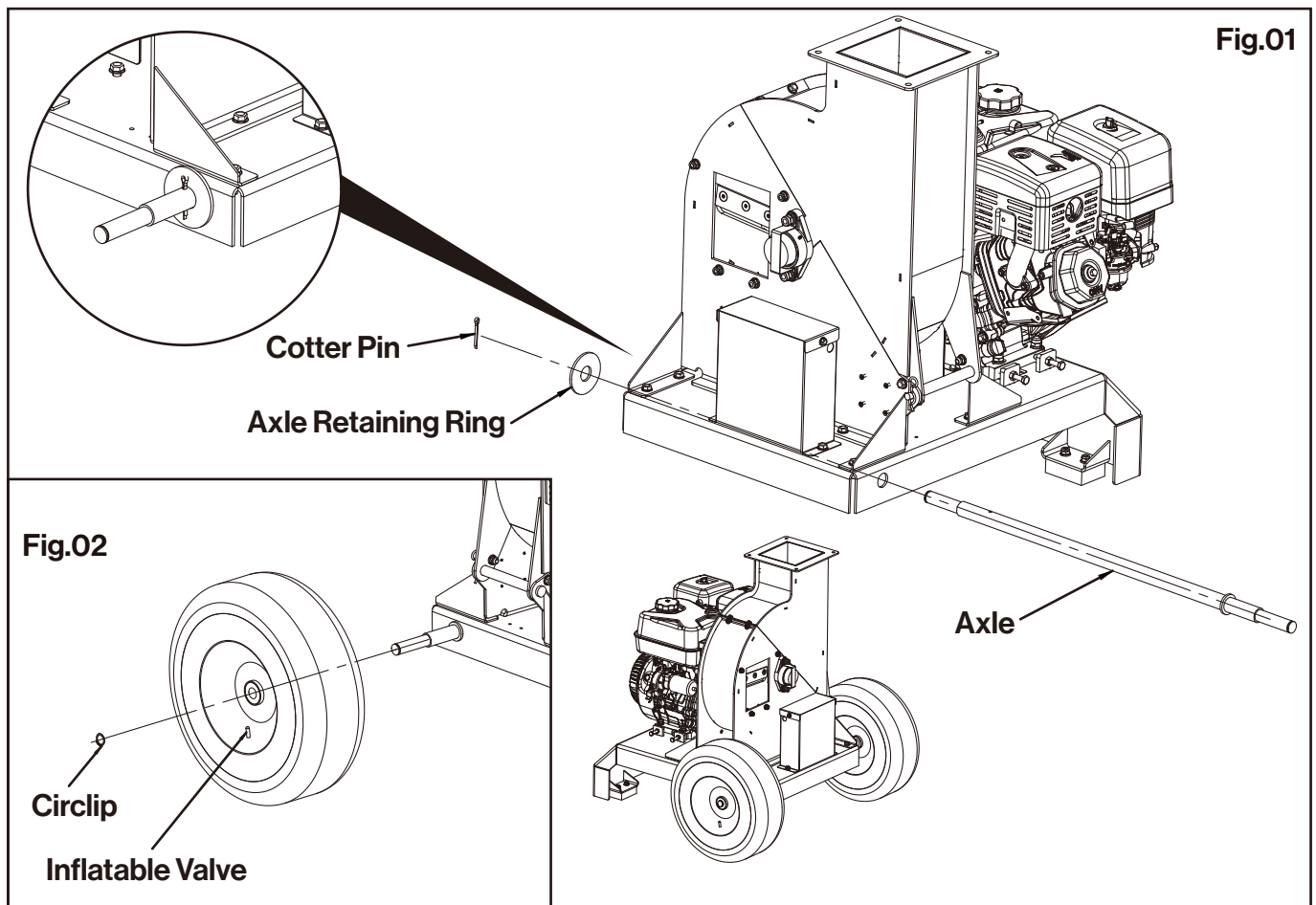
Parts: Engine Assembly Kit, Axle, Wheel

Hardware: Heavy Washer (x1), Circlip (x2)

Tools: Circlip Pliers (not included)

1. Insert the axle through the mounting hole on the base. **(Fig.01)**
2. Install the washer onto the axle and secure it with a cotter pin.
3. Install the wheels onto the axle and secure it with a circlip. **(Fig.02)**

Note: The wheel must be installed with the valve stem facing outward. Reverse installation is strictly prohibited.



Step-2 Assemble the Tow Hitch Bar

Parts: Tow Bar Assembly

Hardware: Pin (x1), R-Pin (x1)

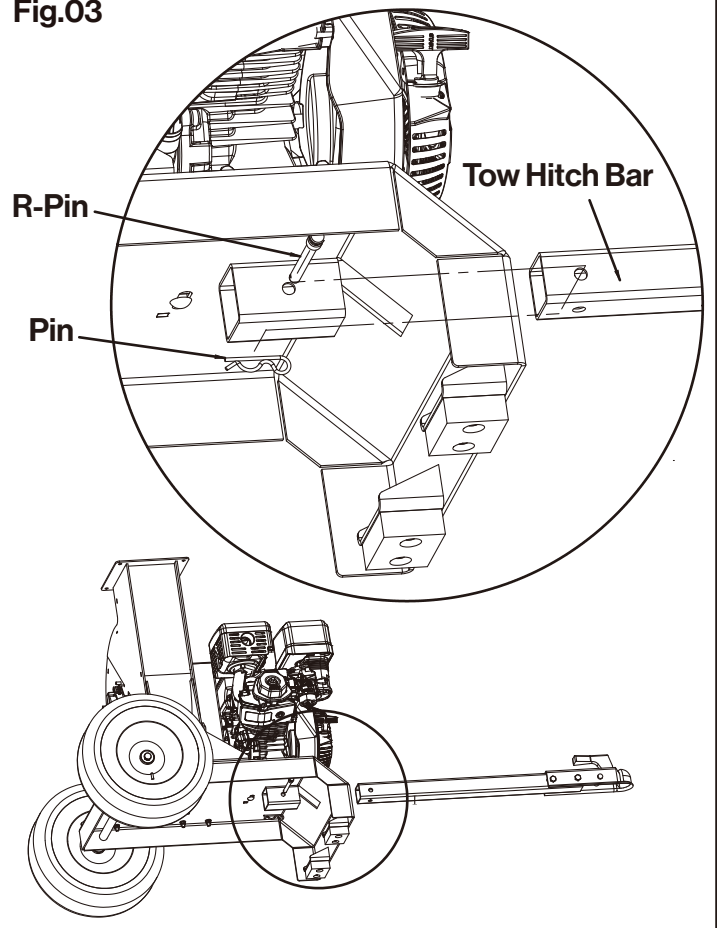
Tools: /

1. Use lifting equipment to raise the product.

WARNING

- 1) **Ensure safety during installation.**
 - 2) **During manual installation, maintain low lift height and monitor balance continuously.**
2. Insert the tow hitch bar into the mounting holes beneath the engine base. Secure it with the pin and R-pin. **(Fig.03)**

Fig.03



Step-3 Assemble the Feed-in Chute

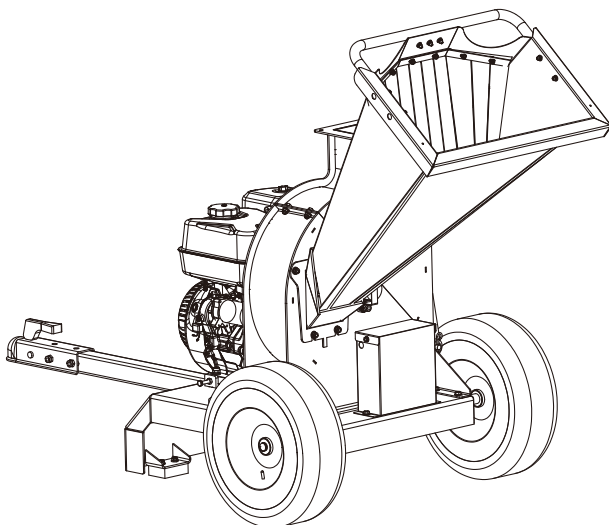
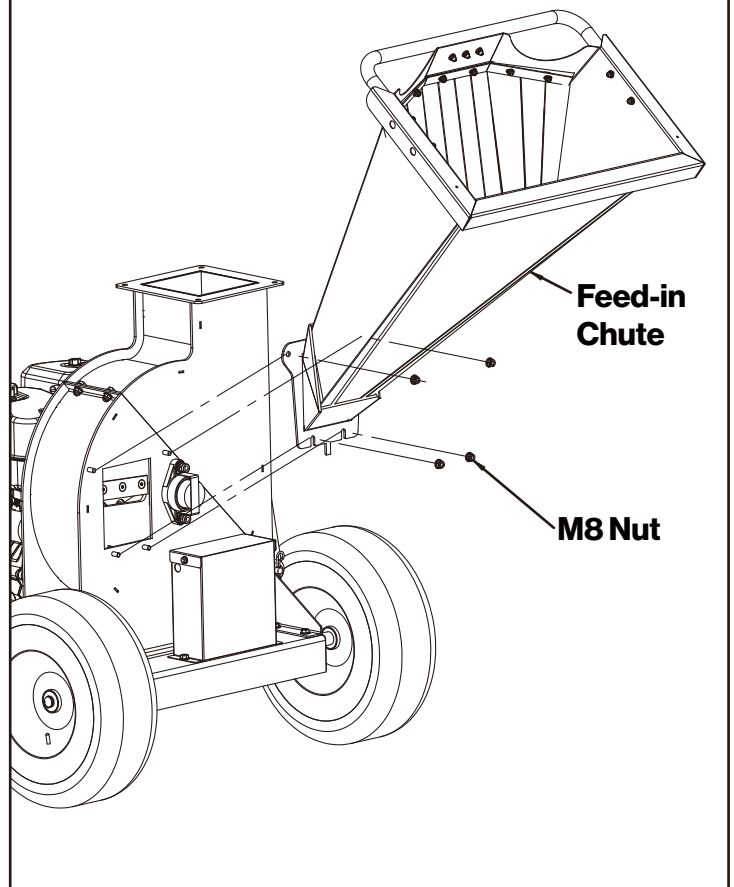
Parts: Feed-in Chute

Hardware: M8 Nut (x4)

Tools: 13mm Open-end Wrench x1 (No included)

Install the feed-in chute onto the corresponding bolts, and secure it with 4 M8 nuts. **(Fig.04)**

Fig.04



Step-4 Assemble The Discharge Chute

Parts: Discharge Guide Plate, Discharge Chute, Discharge Chute Connection Assembly, Upper Mounting Plate, Lower Mounting Plate

Hardware: M6x25 Bolt (x6), M6 Star-shaped Bolt (x3), Ø6 Elastic Washer (x1), Ø6 Flat Washer (x1), M6 Nut (x6)

Tools: 10mm Open-end Wrench (x2) (No included)

1. Arrange the parts in the following order: Lower Mounting Plate→Discharge Chute Mount→Upper Mounting Plate→Discharge Chute.
2. Assemble the above parts using 6 M6x25 bolts and 6 M6 nuts. (**Fig.05-a & Fig.05-b**)

WARNING

- 1) Lower Mounting Plate orientation: The welded nut must face downward.
- 2) Lower Mounting Plate position: Align with the holes on the discharge chute. Misalignment is strictly prohibited.
- 3) After installation, the discharge chute must rotate freely.

3. Install two M6 star-shaped bolts at the indicated positions for limit and fixation. (**Fig.05-c**)
4. Install two handles onto the corresponding holes on both sides of the discharge chute. (**Fig.05-d**)
5. Use two M6x16 bolts and two Ø6 flat washers to install the discharge guide plate onto the discharge chute. (**Fig.05-e**)
6. Install the M6 star-shaped bolt, Ø6 elastic washer, and Ø6 flat washer into the curved slot.

Tip: After installation, the discharge chute can rotate 270°.

Fig.05-a

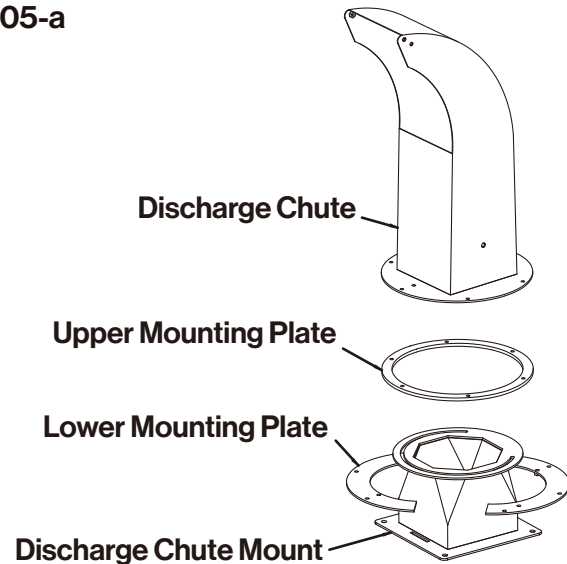


Fig.05-b

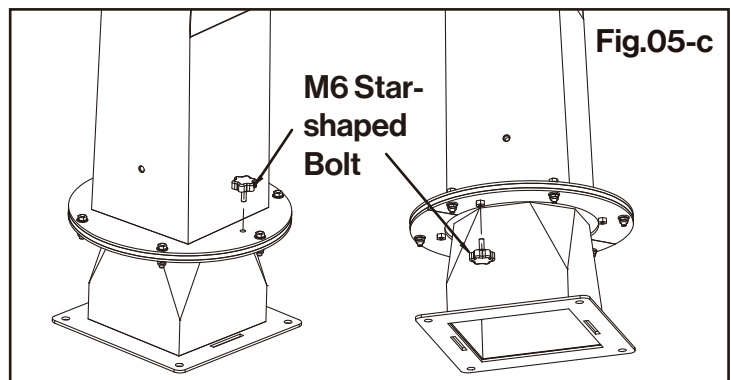
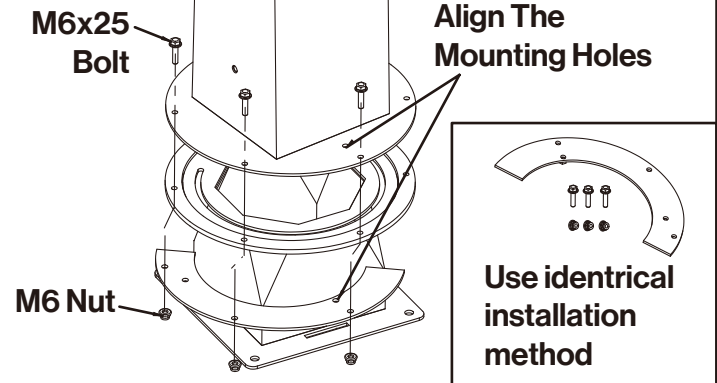


Fig.05-d

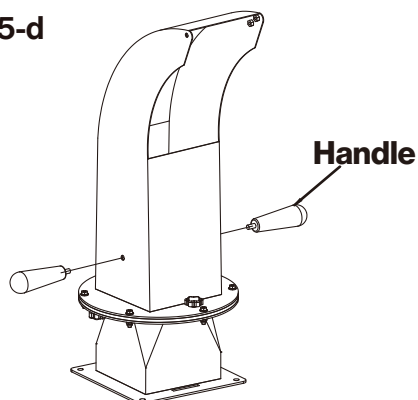
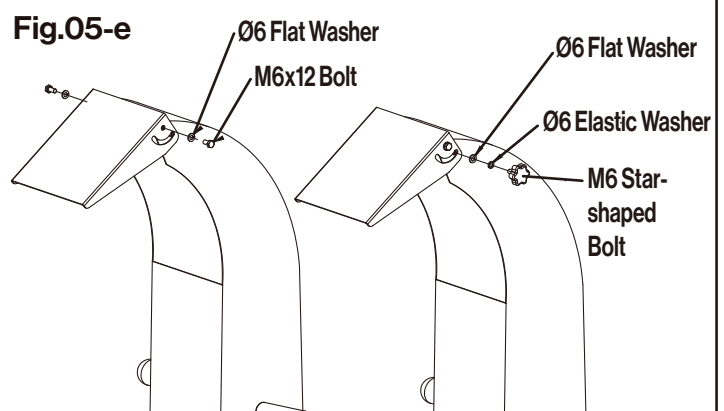


Fig.05-e



Step-5 Assemble The Discharge Chute Assembly Kit

Parts: /

Hardware: M8x20 Bolt (x4), M8 Nut (x4)

Tools: 12mm Open-end Wrench x1, 13mm Open-end Wrench x1 (No included)

Use 4 M8x20 bolts and 4 M8 nuts to install the assembled discharge chute component (from Step 3) onto the engine assembly kit.

Note: Before installation, confirm the rotation angle of the discharge chute to ensure it can rotate freely in three directions (excluding the feed-in chute direction) after installation.

Step-6 Connecting the Battery

Parts: /

Hardware: /

Tools: Phillips Screwdriver , 10mm Open-end Wrench x1 (No included)

1. Loosen two M6x16 bolts and remove the battery cover.
2. Connect the cables to the battery: Red wire to the positive terminal (red), black wire to the negative terminal (black or blue).
3. Replace the cover and tighten the battery box using M8x16 flange bolts.

WARNING

Reversing the power cables will damage the engine and cause product failure. Ensure correct connections.

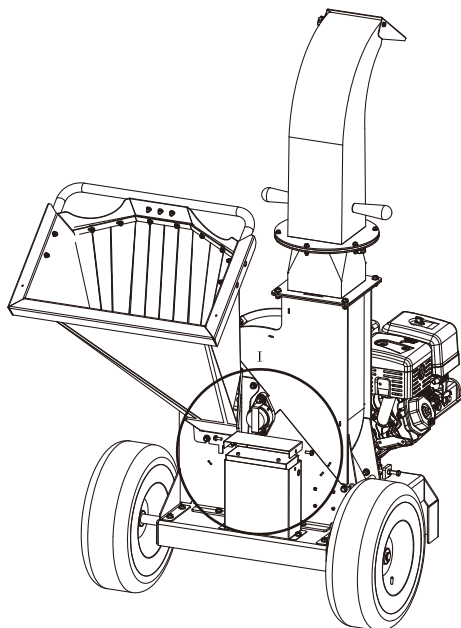


Fig.06

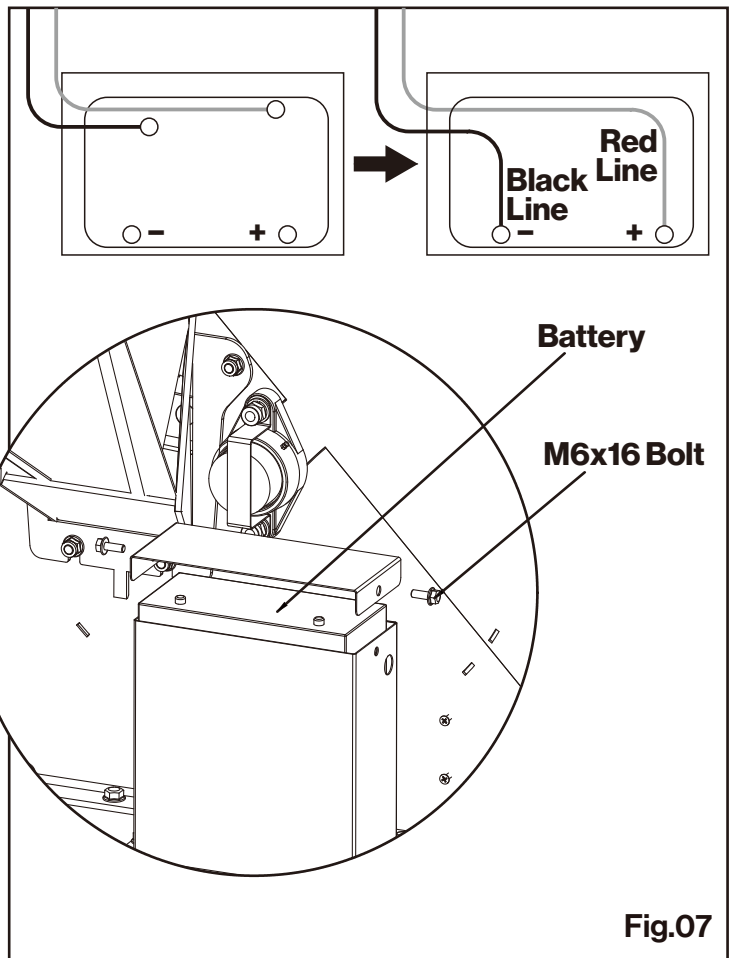
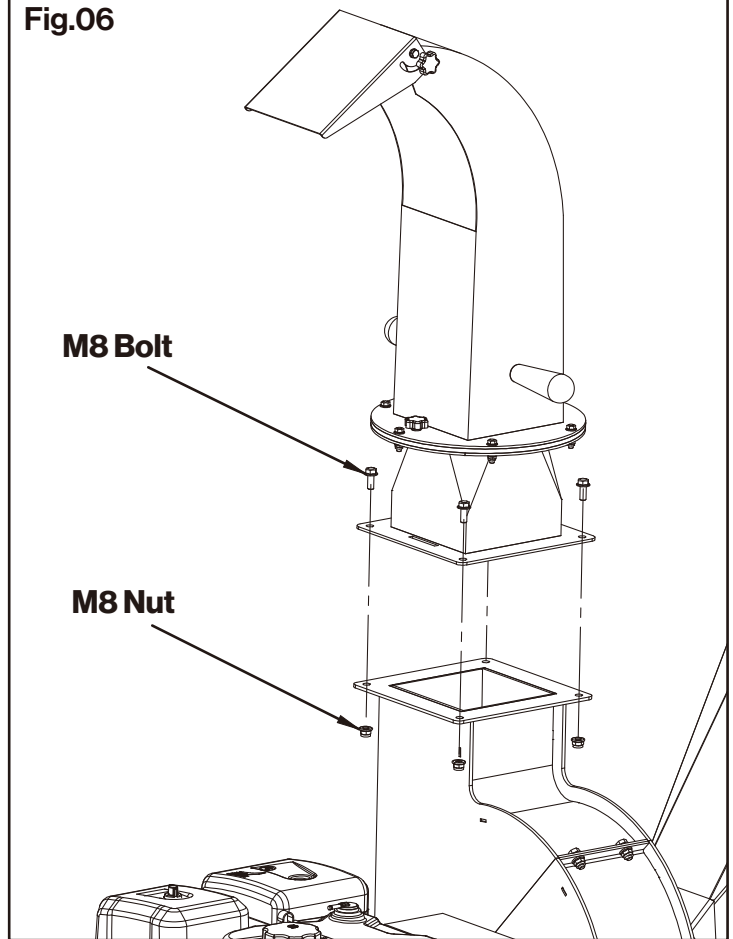


Fig.07

Operation

DANGER

1. **THE EXHAUST FROM THIS PRODUCT CONTAINS CARBON MONOXIDE GAS. CARBON MONOXIDE IS A COLORLESS, ORDERLESS AND TASTELESS GAS THAT CAN CAUSE DIZZINESS, NAUSEA, UNCONSCIOUSNESS OR EVEN BRAIN DAMAGE AND DEATH IF INHALED FOR PROLONGED PERIODS.**
2. **OPERATE THE UNIT OUTDOORS IN A WELL VENTILATED LOCATION ONLY. KEEP CHILDREN, PETS AND BYSTANDERS AWAY.**
3. **FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR DEATH.**

WARNING

1. To avoid serious personal injury from rotating cutting blades, keep hands out of inlet while machine is running.
2. Before operating, be sure to read the safety and operational instructions carefully, and familiarize yourself with all control devices of this product as well as how to stop the equipment.
3. Check all hardwares for tightness before each use to ensure that this product is in a safe working condition.
4. Choose a hard, flat surface. **Do not work on inclines.**
5. Do not operate on wet or slippery surfaces; secure the equipment in place if necessary.
6. Keep a safe distance from crowds while operating the equipment.
7. Prepare the branches to be processed in advance, and ensure there is sufficient workspace for safe operation.

Preparing for Operation

Preparing Branches for Chipping

1. This chipper is designed for branches up to 5 in. in diameter. If a branch is forked or irregularly shaped, trim it down so it feeds smoothly into the inlet chute.
2. If branches are covered in leaves, break them down into smaller sections to prevent clogging. This chipper is not intended for processing large amounts of fresh leaves or green waste.
3. Check that no foreign objects—such as rocks, nails, or fabric—are mixed in with the material. These can damage the blades and cause equipment failure.

Clearing the Work Area

1. Before use, remove any debris or clutter around the engine and inlet chute.

Engine Use

Adding Oil

Refer to engine manual for information on adding oil.

Adding Fuel

WARNING

ENGINE IS SHIPPED FROM FACTORY WITHOUT OIL. YOU MUST ADD ENGINE OIL BEFORE STARTING ENGINE.

To add fuel:

1. Remove the fuel cap.
2. Fill the tank. Do not overfill. Leave room in the tank for fuel expansion.
3. Install and hand tighten the fuel cap.

Starting the Engine

1. See engine manual for starting up instructions.
2. Ensure engine is running full throttle before beginning chipping operation. On some engines, the throttle may not be adjustable.

Stopping the Engine

1. See engine manual for shut down procedure.
2. Stopping the engine is the only way to stop the rotor from turning. With engines equipped with an adjustable throttle, move the throttle to the SLOW position and wait for engine to be running a slow RPM. Then switch to STOP ENGINE as shown in the engine manual.

FOR MORE DETAILED INFORMATION ABOUT THE ENGINE, PLEASE REFER TO THE "ENGINE OWNER'S MANUAL."

Chipper Operation

1. Do not insert your hands into the feed-in chute while the equipment is running.
2. Wood chips are ejected at high speed during operation; do not allow the discharge direction to be aimed at operator. The discharge direction can be adjusted using the star-shaped bolts.
3. During the branch shredding process, branches may rebound; the operator should not stand directly in front of the feed-in chute to prevent injury from rebounding branches.
4. Insert the thicker end of the branch into the feed-in chute for processing.
5. If the branch is too long, the operator can hold the rear section of the branch to push it into the feed-in chute. Note: Forcing the branch may overload the equipment and cause it to stall suddenly.
6. If too many leaves cause a blockage in the feed-in chute preventing branches from entering, use a stick or another branch to assist. Break down the branches into smaller pieces in advance to avoid clogging the feed-in chute.
7. If the equipment stalls suddenly due to overload, switch the engine to the "OFF" position, then remove the branches. If there is severe clogging and the branch cannot be extracted to restore operation, the feed-in chute can be detached for cleaning. After cleaning, allow the equipment to run idle for one minute to expel any residual wood chips from the inner cavity before resuming operation.
8. Smooth branches can lead to frequent overloads and stalling due to rapid feeding; reduce the engine throttle before trying to process again. Operators can hold the branch to slow down its entry to ensure the shredding process proceeds smoothly.
9. Shredding larger diameter smooth branches can easily cause equipment overload and stalling. Keep the branch entering the feed-in chute slowly and avoid forcing it in quickly.
10. Regularly check for any loosening of fasteners during operation.

1. Adjust Discharge Angle

- Loosen the indicated M6 star-shaped bolt to allow adjustment.

Note: Do not fully remove the bolt; ensure parts remain roughly aligned.

- Adjust the discharge guide plate to the desired angle and tighten the bolt to secure.

2. Adjust Discharge Direction

- Loosen the indicated M6 star-shaped bolt to allow adjustment.

Note: Do not fully remove the bolt; ensure parts remain roughly aligned.

- Adjust the discharge chute to the desired direction and tighten the bolt to secure.

WARNING

Discharge Chute Rotation Safety Guidelines

- 1) Rotation range: The discharge chute can rotate 270°. Ensure correct orientation during installation.
- 2) Prohibited directions:
 - Do not face toward operator areas.
 - Do not face toward the feed-in chute.
- 3) Hazard: Incorrect installation may cause material ejection, leading to serious injury.

Safety Requirements:

- Always lock the fixing mechanism after adjustment.
- Check discharge chute direction before each use.
- Keep personnel away from the discharge direction during operation.

Fig.08

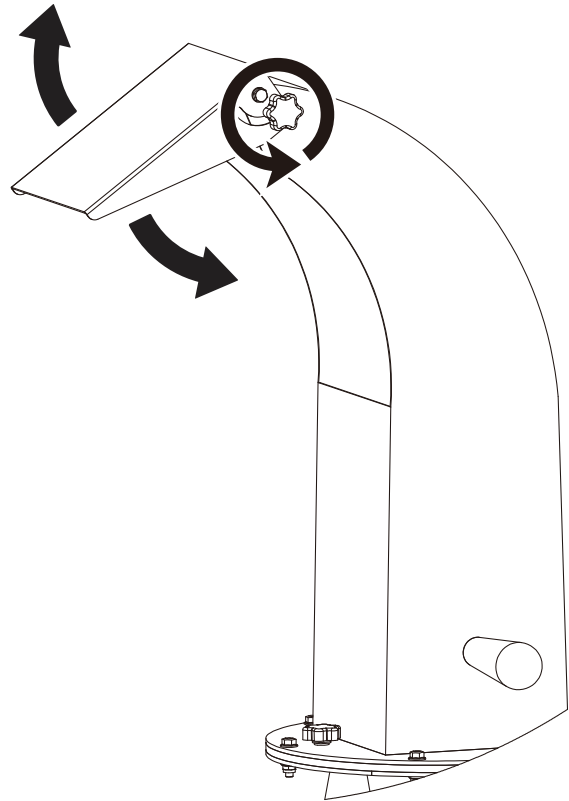
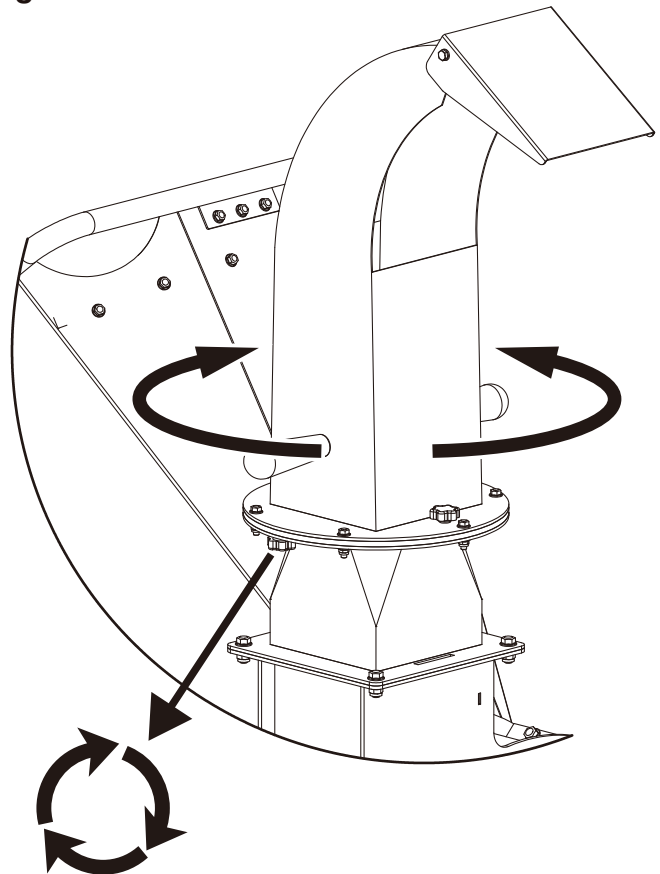


Fig.09



Transporting

1. When transporting equipment over short distances, it is necessary to secure the equipment and keep the engine in an upright position.
2. When transporting equipment over long distances, it is advisable to drain the fuel and oil completely. Do not leave equipment with fuel in a poorly ventilated enclosed environment for extended periods.
3. During transport, the engine must not be subject to stress or support other equipment.

Maintenance

Cleaning the Carburetor

Gasoline left in the carburetor for extended periods can clog fuel lines and prevent the engine from starting.

Before storing the machine, remove and clean the carburetor to ensure all fuel lines are clear. Once cleaned, reinstall the carburetor before placing the unit into storage.

Note: Always replace storage fluids. Do not reuse old or stagnant fuel. For safe and proper cleaning, contact our service team if you have any questions.

WARNING

Do not use power tools for this operation to avoid the risk of fire.

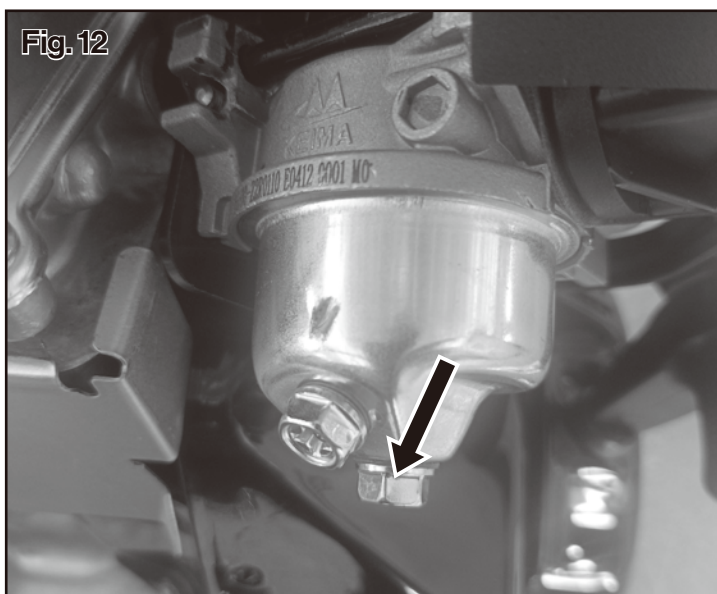
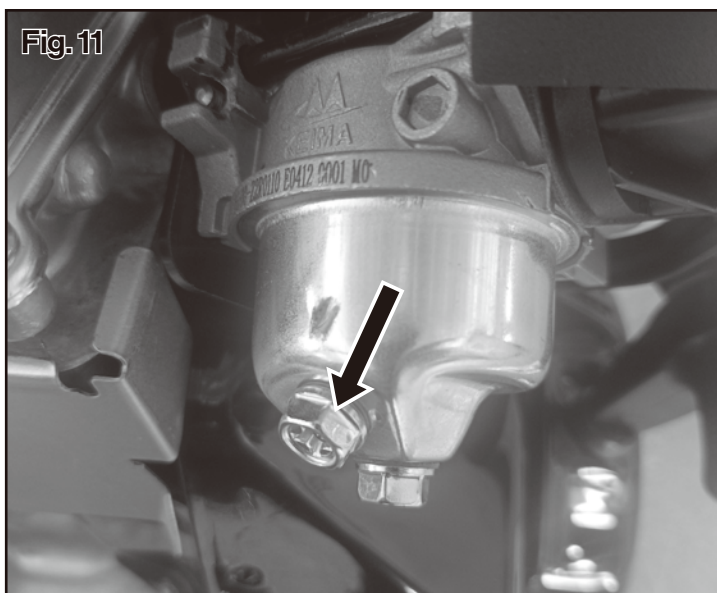
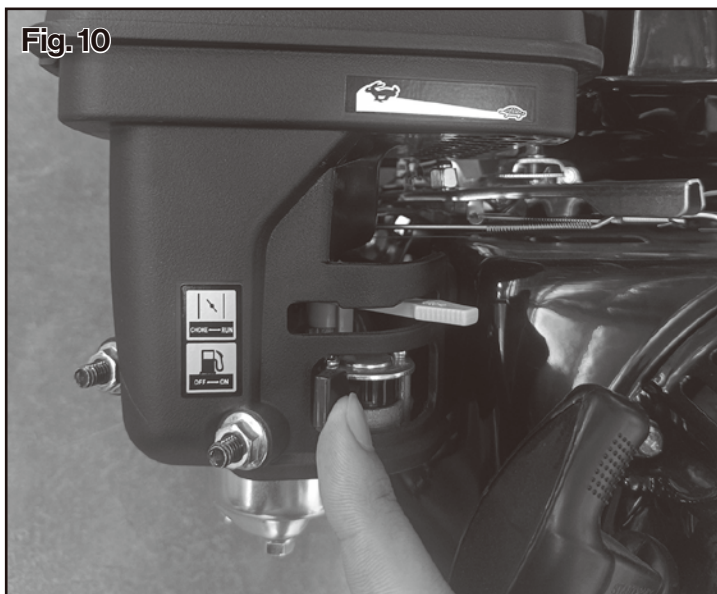
Tools: 10mm open-end wrench (Not included)

Step - 1

Set the fuel switch to the OFF position. Loosen the drain screw on the carburetor to allow any remaining fuel to empty. **(Fig.10 & Fig.11)**

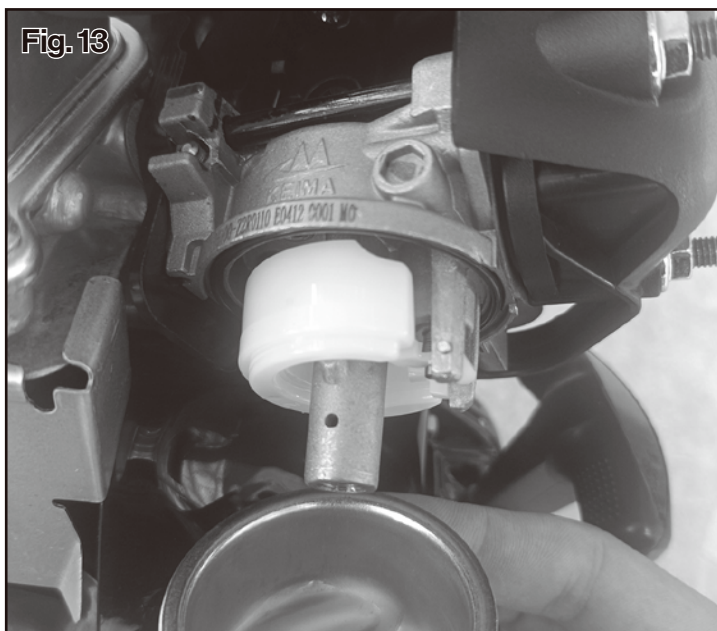
Step - 2

Loosen the second screw indicated by the red arrow, then remove the carburetor cap. **(Fig.12)**



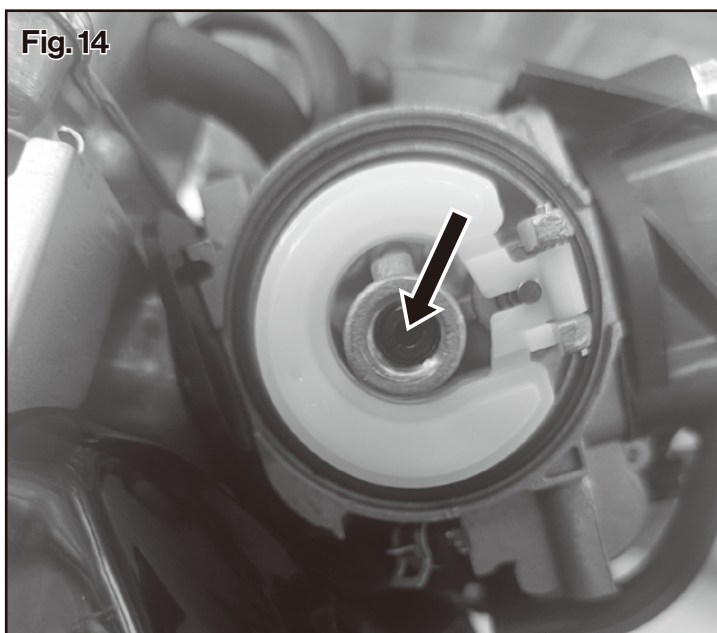
Step - 3

Clean any debris from inside the carburetor cap.
(Fig.13)



Step - 4

- a. Use compressed air or a thin needle to unclog the fuel transfer hole as indicated by the red arrow.
- b. Once cleaned, reassemble all components, ensuring the sealing ring is properly positioned.
(Fig.14)



Chipping Blades Replacement

If the cutting performance of the equipment decreases, the feed-in chute can be disassembled to check if the blades are dull, worn, or broken, and then the blades should be replaced.

Before replacing blades, turn the engine switch to "OFF" to prevent accidental startup and hazards.

Tools: 5mm Hex Wrench x1, 12mm Open-end Wrench x1, 13mm Open-end Wrench x1 (No included)

1. Remove the 4 M8 nuts on both sides of the belt cover, then take off the belt cover.
2. Remove 2 M8x20 bolts and 2 M8 nuts from the chamber.
3. Remove 2 M8x25 bolts and 2 M8 nuts from the other side of the chamber, then open the upper chamber.

Note:

- **Handle with care to avoid product damage.**
- **Ensure personnel safety to prevent injuries.**

4. Remove the M8x25 bolt and M8 nut securing the blade, then replace the blade. Gently pull the recoil starter to rotate the blade disc for easier replacement of other blades.
5. After blade replacement, reassemble the machine in the reverse order of disassembly.

Fig.15

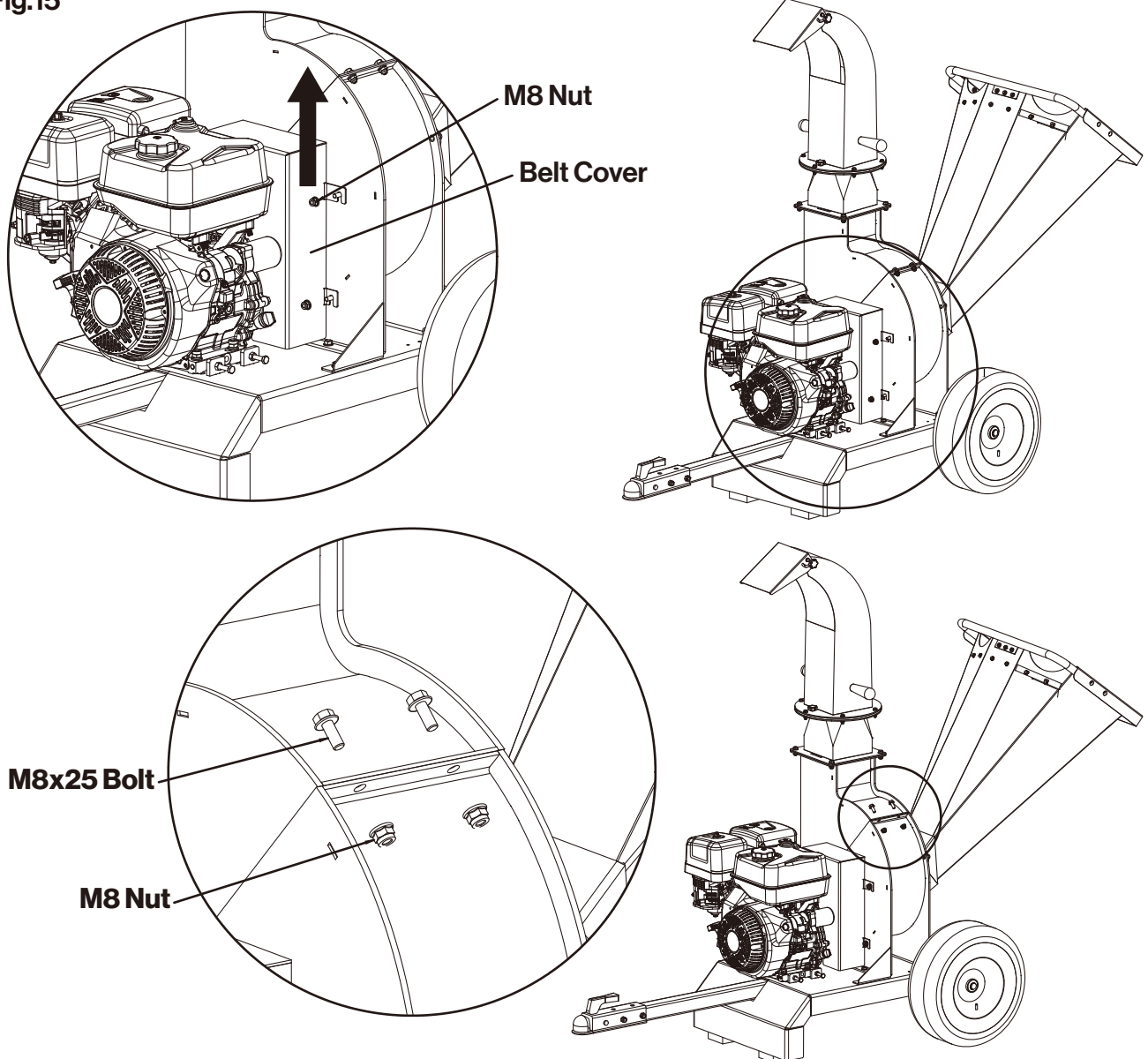
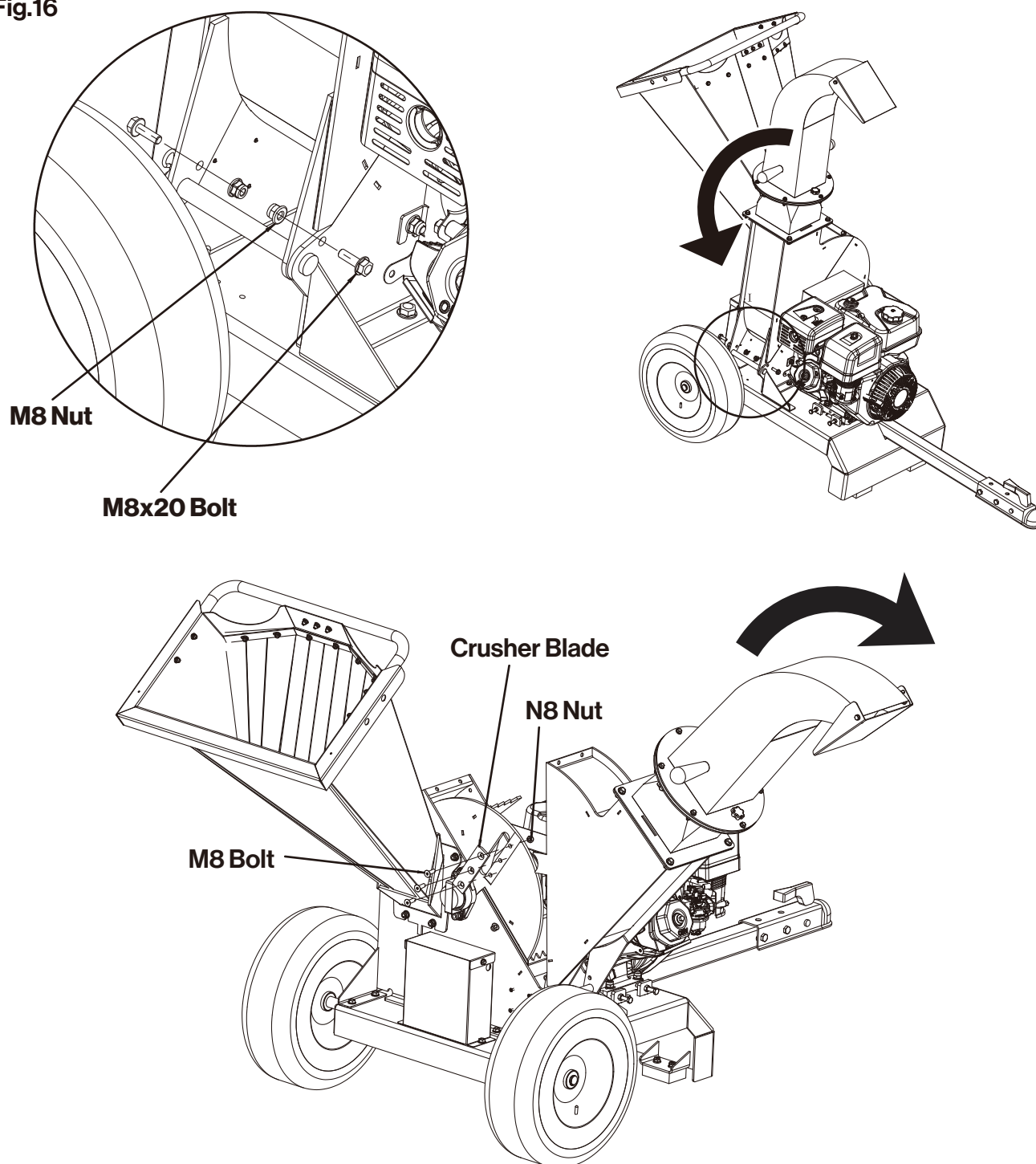


Fig.16



Storage

1. When storing the equipment, ensure there is no residual gasoline or oil inside, and that the carburetor is free of gasoline. It is prohibited to store fuel in enclosed spaces, as fuel is toxic to humans and animals and poses a fire hazard.
2. When storing the product for an extended period, cover it with a dust cover to prevent dust accumulation.
3. It is recommended to store the equipment in a dry, well-ventilated environment, avoiding prolonged exposure to humid conditions.

Reusing After Storage

1. Check all fasteners to ensure that all bolts and nuts are tight.
2. Inspect the intake port to confirm there are no foreign objects.
3. Examine all hoses to ensure they are not aging or detaching.
4. Check the engine oil lines for blockages; lubricate the lines if necessary.
5. Inspect the engine oil tank for any residual gasoline; if present, drain it completely.
6. Check the carburetor for any residual liquids; if there are remnants, empty them out and clean the carburetor if necessary.

Warranty

Twelve (12) months for workmanship of the product, except for wearing parts. Warranty period starts from the product purchase date. Warranty covers material quality and workmanship only. Warranty does not cover product for issues caused by improper usage or any operation not in accordance with the specifications of this manual. Any modification or tampering with the product in any way voids the warranty.

Troubleshooting

1. Regular maintenance will extend the life of your equipment. However, prolonged or continuous use may eventually require servicing to ensure continued performance.
2. The troubleshooting guide below outlines the most common issues, their possible causes, and recommended solutions.
3. Refer to the following pages for instructions on how to perform basic maintenance and adjustments. If preferred, these tasks may also be completed by your local service provider.

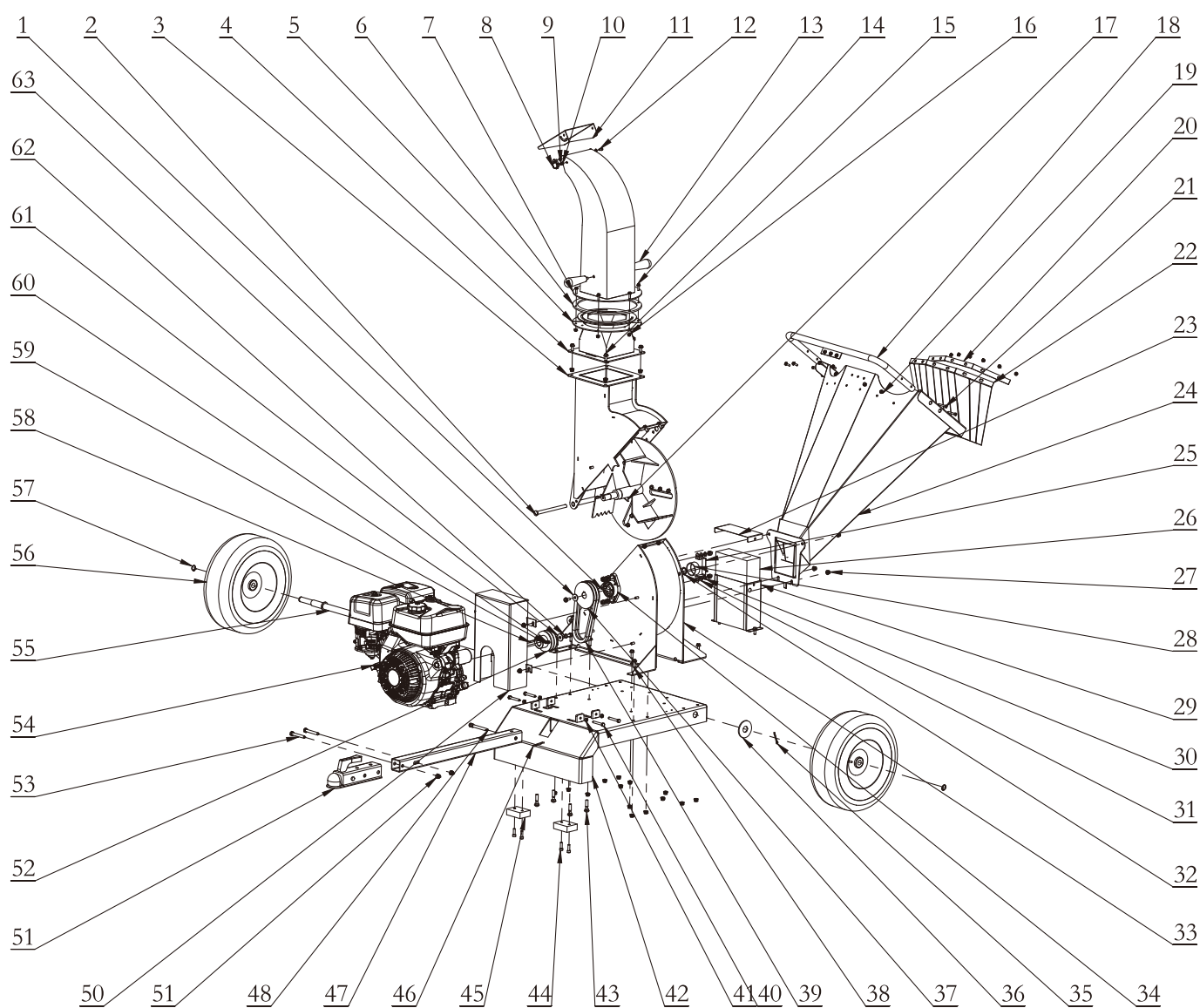
WARNING

- 1. TO AVOID SERIOUS INJURY, PERFORM MAINTENANCE ON THE UNIT ONLY WHEN THE ENGINE IS STOPPED.**
- 2. ALWAYS DISCONNECT THE SPARK PLUG WIRE AND FASTEN IT AWAY FROM THE PLUG BEFORE BEGINNING THE MAINTENANCE, TO PREVENT ACCIDENTAL STARTING OF THE ENGINE.**

Issue	Possible Cause	Solution
Engine won't start.	1. No fuel in the tank. 2. Choke is not in the START position. 3. Fuel is old, low quality, or has deteriorated. 4. Fuel passageways are clogged or dirty. 5. Spark plug cap is not securely connected. 6. Spark plug is dirty or damaged. 7. Low or no engine compression due to prolonged storage. 8. Engine oil level is too low.	1. Fill the tank with fuel. 2. Move the choke lever to the START position. 3. Replace fuel with fresh, unleaded gasoline. 4. Use fuel additive to clean the system. Heavy buildup may require additional cleaning. 5. Securely reconnect the spark plug cap. 6. Remove, clean, or replace the spark plug as recommended. 7. Add a tablespoon of oil to the spark plug hole, pull the recoil starter several times, then try starting again. 8. Top off engine oil to the proper level.
Engine exhaust is black.	1. Dirty air filter. 2. Choke closed.	1. Replace air filter. 2. Open choke.
Engine stops suddenly.	1. Fuel tank empty or full of impure or low quality gasoline. 2. Low oil shutdown. 3. Disconnected or improperly connected spark plug cap. 4. The limb is too long.	1. Add fuel tank with fresh unleaded gasoline. 2. Fill engine oil to proper level. 3. Secure spark plug cap. 4. If the limb diameter for the side chute is 4" (100 mm) and the length over 31.5" long, suggest the operator should help the limb feeding by slightly holding to keep the rotate speed.

Issue	Possible Cause	Solution
Engine runs but no material is discharged.	1. Discharge chute clogged. 2. Engine not running at full speed.	1. Clean out debris. 2. Set throttle control to FAST if equipped.
Chipping action slow, or engine stalling.	1. Branch diameter is too thick. 2. Throttle set is too slow. 3. Tree limbs are extremely hard or dried out.	1. Do not process branches over 4" (100 mm) diameter. 2. Adjust throttle to increase engine speed. 3. Material is not suitable for chipping.
Unusual noise or vibration when chipping materia.	1. Rotor overloaded with material. 2. Hammers are broken, bent, or loose. 3. Hammers frozen in place.	1. Allow unit to clear itself before adding more material to the hopper. 2. Check assembly. Tighten or replace as necessary. 3. Check for obstructions and debris. Repair or replace as necessary.

Exploded and Parts List



Part No.	Description	Q'ty	Part No.	Description	Q'ty
1	Flat Key	1	33	Lower Chamber Assembly	1
2	Hinge Shaft	1	34	Diamond Mount Bearing	2
3	Upper Chamber Assembly	1	35	Cotter Pin	1
4	Discharge Chute Mount	1	36	Axle Retaining Ring	1
5	Lower Mounting Plate	2	37	Cutter Pulley	1
6	Upper Mounting Plate	1	38	M8x25 Flange Bolt	14
7	Discharge Chute	1	39	V-Belt	2
8	M6x16 Star-shaped Bolt	3	40	M8x55 Bolt	4
9	Ø6 Elastic Washer	1	41	M8 Hex Nut Type 1	4
10	Ø6 Flat Washer	3	42	Base	1
11	Discharge Guide Plate	1	43	M10x45 Bolt	4
12	M6x16 Hex Head Bolt (Full Thread)	2	44	M8x25 Screw	4
13	Handle	2	45	Rubber Block	2
14	M6x25 Bolt	6	46	Pin	2
15	M8x20 Bolt	9	47	Tow Bar	1
16	M6 Flange Nut	19	48	Latch Pin	1
17	Cutter Assembly	1	51	M10 Nut	10
18	Handle Assembly	1	50	Belt Cover	1
19	M6x16 Bolt	11	51	Ball Coupler Head-2"	1
20	Rubber Clamp Plate	1	52	Pulley	1
21	M6x40 Screw	4	53	M10x70 Bolt	2
22	Rubber Pad	1	54	Engine	1
23	Battery Cover	1	55	Axle	1
24	Feed-in Chute Assembly	1	56	Wheel	2
25	Bearing Cover Clamp Plate	1	57	Circlip-19	2
26	Battery	1	58	Engine Flat Key	1
27	M8 Nut	34	59	M6 Hex Nut	1
28	Bearing Cover	1	60	M6x25 Screw	1
29	Battery Box	1	61	Ø10-Large Washer	1
30	Ø10 Standard Elastic Washer	9	62	Engine Bolt	1
31	Ø10 Flat Washer	8	63	Ø8 Washer	1
32	Circlip-25	1			



Thank you for supporting our brand!

superhandyus.com



Great Circle USA
Support Line: 1-866-493-0524
help@superhandyus.com
www.superhandyus.com



Follow us on social media
@SuperHandy