



## 2 MAN POST HOLE DIGGER 3HP 63CC

ITEM: 81008



### OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL: KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATING, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL NEAR THE ASSEMBLY DIAGRAM (OR MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO NUMBER).

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: (909) 628 4900 MON-FRI 9AM TO 3PM PST

# IMPORTANT SAFETY INFORMATION



## GENERAL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

## SAFETY

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Please read this section carefully. Read entire operating and maintenance instructions AND the instructions for the equipment this engine powers. Failure to follow instructions could result in serious injury or death. Operate the auger according to the safety instructions outlined here and inserted throughout the text. Anyone who uses this auger must read the instructions and be familiar with the controls.

- The size, power, complexity and operating characteristics of this type of powered equipment would dictate that each operator must receive adequate, professional instruction regarding the proper operation of this Hole Digger before being allowed to utilize it. **BEFORE** attempting to utilize this Hole Digger, read this Operator Manual, to familiarize each operator with its correct operating procedures. Avoid the urge not to take the necessary time to read this Operator Manual before operating the Hole Digger. **DO NOT OPERATE THE HOLE DIGGER UNTIL EACH OPERATOR COMPLETELY COMPREHENDS THE CONTENTS OF THIS MANUAL, THE APPLICABLE SAFETY AND OPERATIONAL INFORMATION DVD, APPLICABLE SUPPLEMENTAL INFORMATION AND THE INFORMATION SUPPLIED BY THE ENGINE MANUFACTURER.**
- Develop a comprehensive program for the safe operation of the Hole Digger by its owner(s) and/or operator(s). Such a program will include, but is not limited to: instructional requirements for operation, applicable OSHA requirements, local laws and regulations, job site safety and a Hole Digger maintenance program. Constantly examine and upgrade this program to guarantee owner(s) and/or operator(s) safety.
- Determine that the Hole Digger is in its original, factory configuration and has not been modified in any manner. Many modifications can result in potentially dangerous configurations that can lead to property damage and/or personal injury.
- Minors should never be allowed to operate the Hole Digger. Bystanders, especially children and animals, should not be allowed in the area where the Hole Digger is in use. The hole digging process can result in flying particles being emitted at high velocity and striking the operator and/or onlookers. This can lead to the possibility of property damage and/or personal injury. Keep all body parts, loose clothing, foreign objects and onlookers clear of the rotating auger and/or auger extensions.
- Operators must be in proper physical condition, mental health and not under the influence of any substance (drugs, alcohol, etc.) which might impair vision, dexterity or judgment. Working with the Hole Digger is strenuous. If you have any condition that might be aggravated by strenuous work, check with your doctor **BEFORE** operating the Hole Digger.
- Prolonged use of the Hole Digger (or other, similar machines) exposes the operator to vibrations which may produce Whitefinger Disease (Raynaud's Phenomenon). This phenomenon reduces the hand's ability to feel and regulate temperature, produces numbness and burning sensations and may cause nerve and circulation damage and tissue necrosis. Anti-vibration systems do not guarantee that you will not sustain Whitefinger Disease. Therefore, continuous and regular users should closely monitor the condition of their hands and fingers. After each period of use, exercise to restore normal blood circulation. If any of the symptoms appear, seek medical advice immediately.
- Clothing must be sturdy and snug fitting, but allow complete freedom of movement. Never wear loose fitting jackets, scarves, neck ties, jewelry, flared or cuffed pants or anything that could become caught on controls or moving parts. Wear long pants to protect your legs. Protect your hands with heavy duty, non-slip gloves to improve your grip. Good footing is most important when operating the Hole Digger. Wear sturdy

# IMPORTANT SAFETY INFORMATION

- Flying debris, generated by the hole digging process, can cause eye injury. Eye protection is required while operating or when near operating equipment.
- Visually inspect the Hole Digger, auger(s), auger extension, and accessories for damaged or worn parts. Inspect each auger for the proper screw bit and blade. Look for loose and/or damaged handle grip areas. Check for loose and/or broken parts. Determine that operator controls work freely, all safety devices are operative and information/safety decals are readable. Check to determine that the Hole Digger and all related accessories are in good mechanical condition **BEFORE** utilization.
- Contact appropriate representatives to determine if/where electrical cables, gas lines and other hazardous items are buried under the work surface **BEFORE** utilization. The Hole Digger and related accessories are not classified as being insulated. Contact with buried electrical cables, gas lines and other hazardous items can result in electrocution and/or an explosion.
- Know how the controls operate. Know how to stop the engine quickly in an emergency. **ALWAYS** start the engine according to the instructions as outlined in this manual to minimize the possibility of unexpected or uncontrolled auger rotation. Unexpected auger rotation can cause loss of machine control, and the possibility of property damage and/or personal injury.
- Breathing Carbon Monoxide fumes while operating the Hole Digger can result in property damage and/or personal injury. The normal operation of the Hole Digger is outdoors where the potential effects of Carbon Monoxide to the operator are minimized. If the Hole Digger is operated in a closed area (indoors or outdoors), determine if supplemental ventilation is required to minimize the potential effects of Carbon Monoxide to the operator. Follow all current OSHA regulations pertaining to ventilation.
- Gasoline is an extremely flammable fuel. Use extreme caution when handling gasoline or mixing fuel. Always utilize UL®, CSA or CE approved containers for the storage and/or transportation of fuel. Do not smoke or bring any fire or flame near the fuel. Always shut off the engine and allow it to cool before refueling. Never remove the fuel tank filler cap while the engine is running. Never operate an engine without a fuel tank filler cap. Select bare ground for fueling and move at least 10 feet from the fueling spot before starting the engine. Wipe off any spilled fuel before starting the engine and check for leakage. If a fuel or oil leak is found, do not start or run the engine until the leak is fixed and the spillage has been wiped away. Take care not to get fuel or oil on your clothing. If this happens, change your clothing immediately.
- **DO NOT** operate the Hole Digger with onlookers close by. Caution all onlookers to stand clear. The hole digging process can result in flying particles being emitted at high velocity and striking the operator and/or onlookers, This can lead to the possibility of property damage and/or personal injury. Wear proper safety eyewear. Keep all body parts, loose clothing and foreign objects clear of the rotating auger.
- **DO NOT** utilize a shovel and/or foreign object to remove the loose soil from a hole area while the Hole Digger is in use. Such a practice can result in the shovel and/or foreign object to become entrapped by the rotating auger, leading to the possibility of property damage and/or personal injury.
- Start and operate the Hole Digger only in a well ventilated area. Carbon Monoxide fumes given off by an engine are poisonous. Breathing these fumes can result in property damage and/or personal injury. Operate the Hole Digger only when/where visibility and light are adequate for the job at hand. Work carefully. Always hold the Hole Digger firmly with both hands.
- Contact with a hot engine muffler and heat shield can cause property damage and/or personal injury. Remain clear of hot engine muffler and heat shield.
- Operate only when/where visibility and light are adequate for the job at hand.
- Stop the engine between each hole to minimize the possibility of property damage and/or personal injury. Normal operation is on level surfaces.
- THE ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. THIS STATEMENT IS MADE IN COMPLIANCE TO CALIFORNIA PROPOSITION 65.

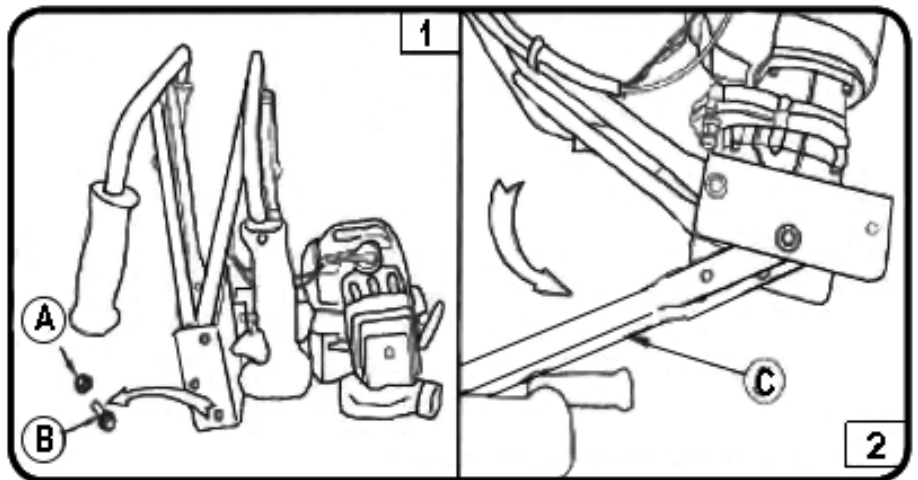


## SPECIFICATIONS

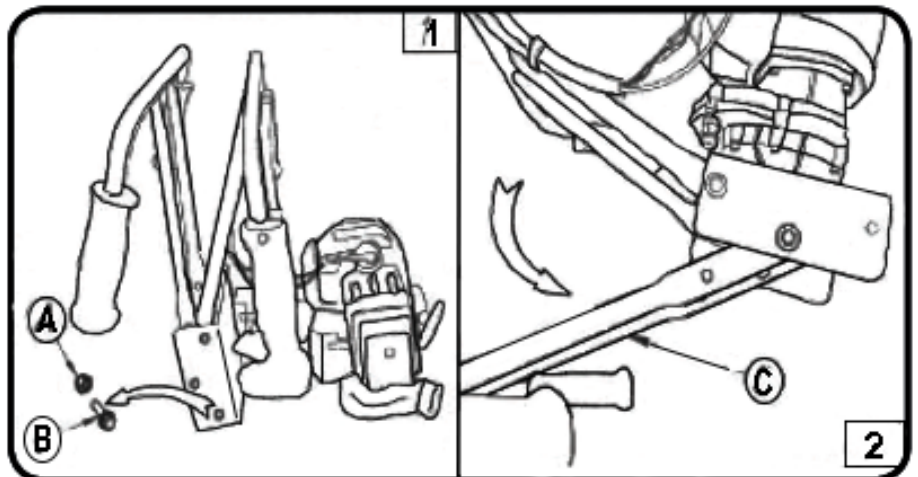
Packing Meas.	15x15x15 (inches)
Weight	23.37 lbs
Reduction Ratio	40:01:00
Speed-Change Type	Double-reduction
Transmission Mode	Centrifugal Friction Clutch
Auger Bits (in)	φ8/φ10/φ15/φ20/φ25/φ30
Type	Operated by two persons
Engine Type	Air-Cooled Two-stroke engine
Engine Power	2.2/7500 (kW/r/min)
Displacement	63.3
Idle Speed	2800 +/-150 r/min
Clutch Speed	3950 +/-150 r/min
Way of Ignition	Electronic ignition (CDI)
Ignition System	Magneto
Carburetor Type	Diaphragm
Fuel	Mixture gasoline: oil=50:1~25:1
Tank Capacity (L)	1.45

## ASSEMBLY

1. Take out the product from the packaging. Take out the 2 lock nuts and 2 screws from the link plank. Rotate the right handle bracket, follow the direction in the 2nd figure, until it reaches the position.

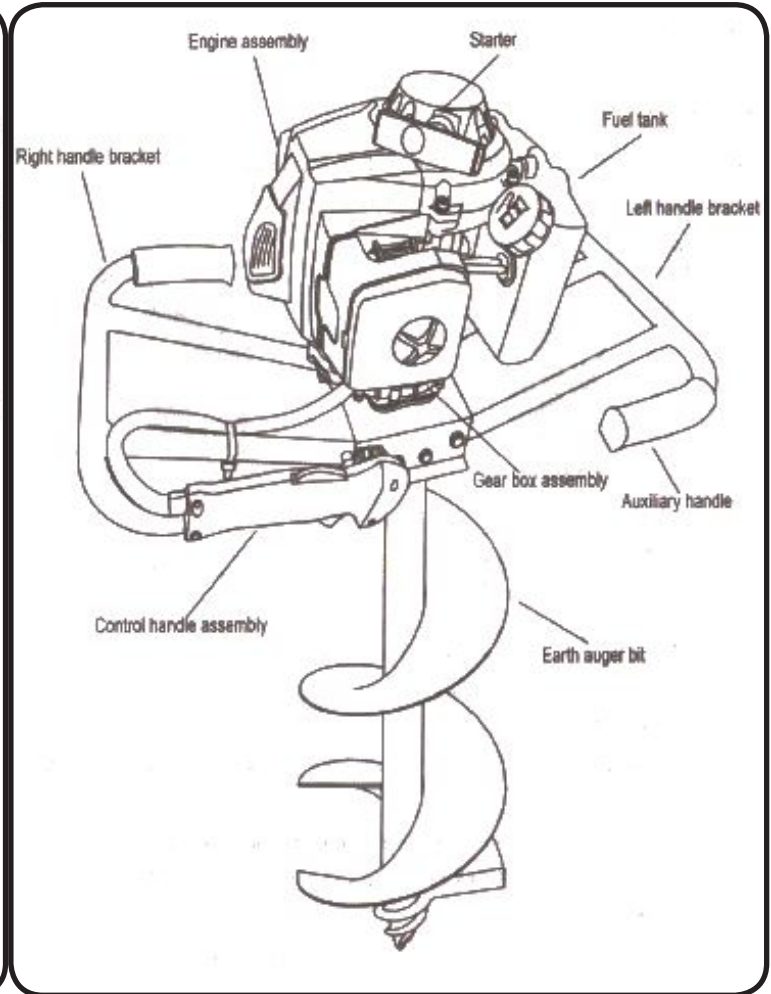
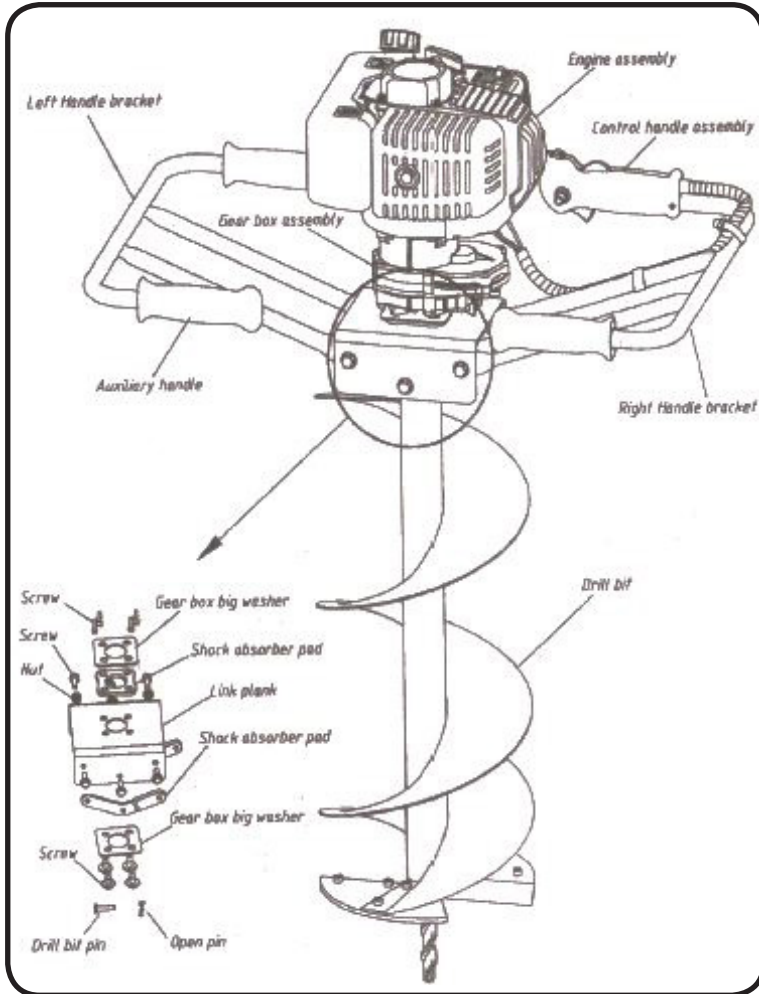


2. Fix the right handle bracket, the link plank and the shock absorber with the lock nuts and the screws. Tighten the 2 lock nuts securely in the center of the plank.



# ASSEMBLY

3. Put the drill onto the PTO shaft and fix it with a drill bit pin. DO NOT change the ratio of the reduction gearbox. The characteristics of the machine could change and unforeseen reactions could occur.

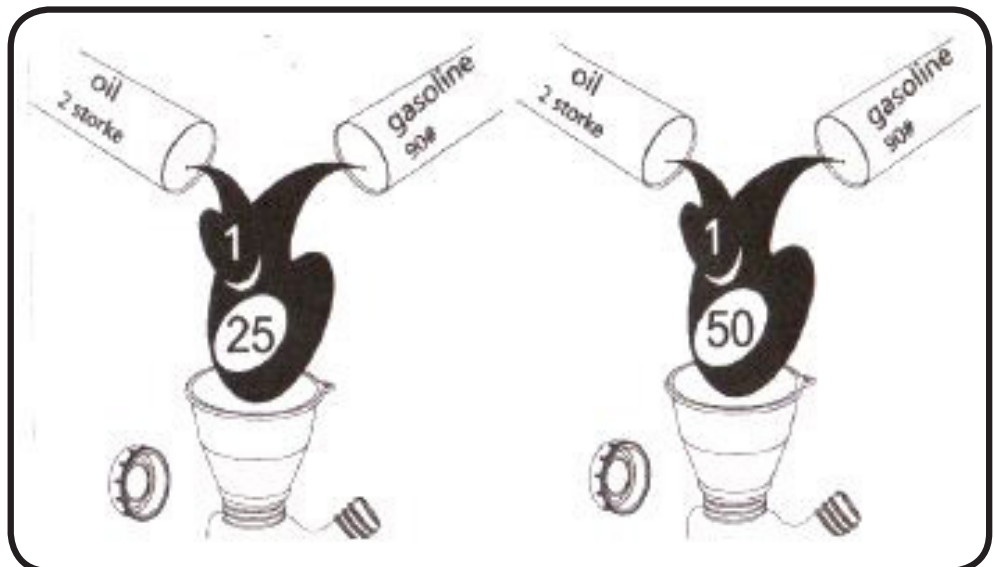


## FUEL MIXTURE

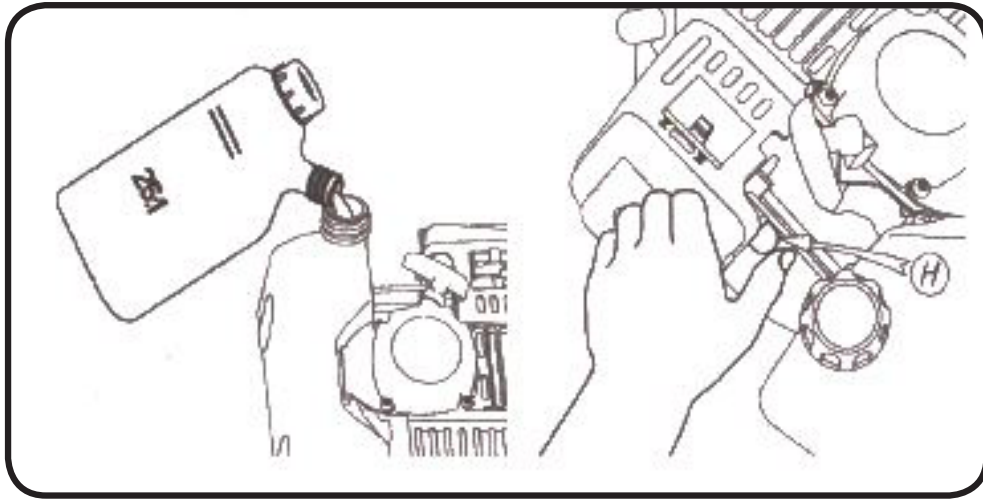
Use 2% or 4% (50:1 or 25:1) gasoline:oil mixture

2-stroke engines have high specific horsepower, it is recommended you use well known, regular or super gasoline, with or without lead and an octane rating of no less than 90.

When preparing the mixture, only use oil for a 2-stroke engine. Shake the fuel container before filling. Refill when the engine is switched off and far away from naked flames. Before unscrewing the fuel tank cap, position the earth auger on a solid, flat surface to prevent fuel spills.



Gasoline is very flammable. Select outdoor bare ground for fueling. NEVER add or replace fuel when the engine is in operation or before the engine stops. DO NOT leave the mixture in the fuel tank or in a fuel canister for a long period of time. DO NOT start the engine if fuel leakage is found. Run the engine until the leak is fixed.

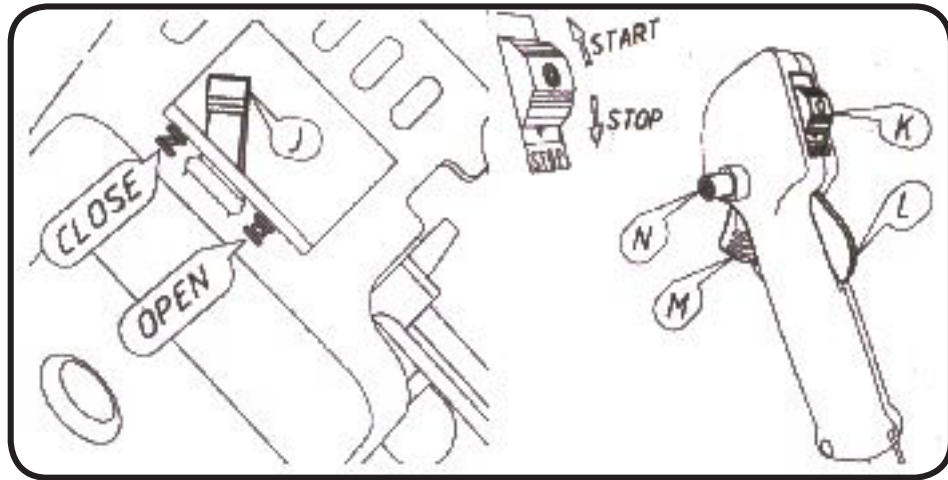


## STARTING THE ENGINE

1. Put switch (K) in the START position. Press the safety lever (L) and throttle lever (M), lock it by pressing the button.

2. Release lever L and M

3. Put the choke lever (J) in the CLOSE position.



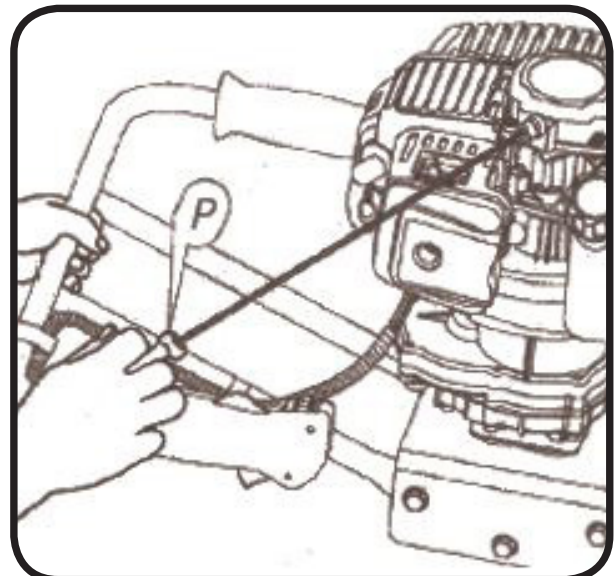
4. Push the primer bulb (H) a few times until the fuel comes out of the fuel tube.

5. Pull the starter rope (P) a few times until the engine starts.

6. Put the choke lever (J) back into the original position OPEN. Once the engine is running, press the throttle lever (M) to release button and let the engine idle.

**NOTE:** DO NOT use the choke (J) when starting a hot engine. When the engine is idling, the bit should not turn.

**WARNING:** If the bit jams, stop the engine immediately. When pulling the starting rope: A. DO NOT let the starter grip snap back. B. DO NOT pull the starter rope out all the way as it might break. (See illustration). Guide it slowly back into the housing so that the starter rope can rewind properly.



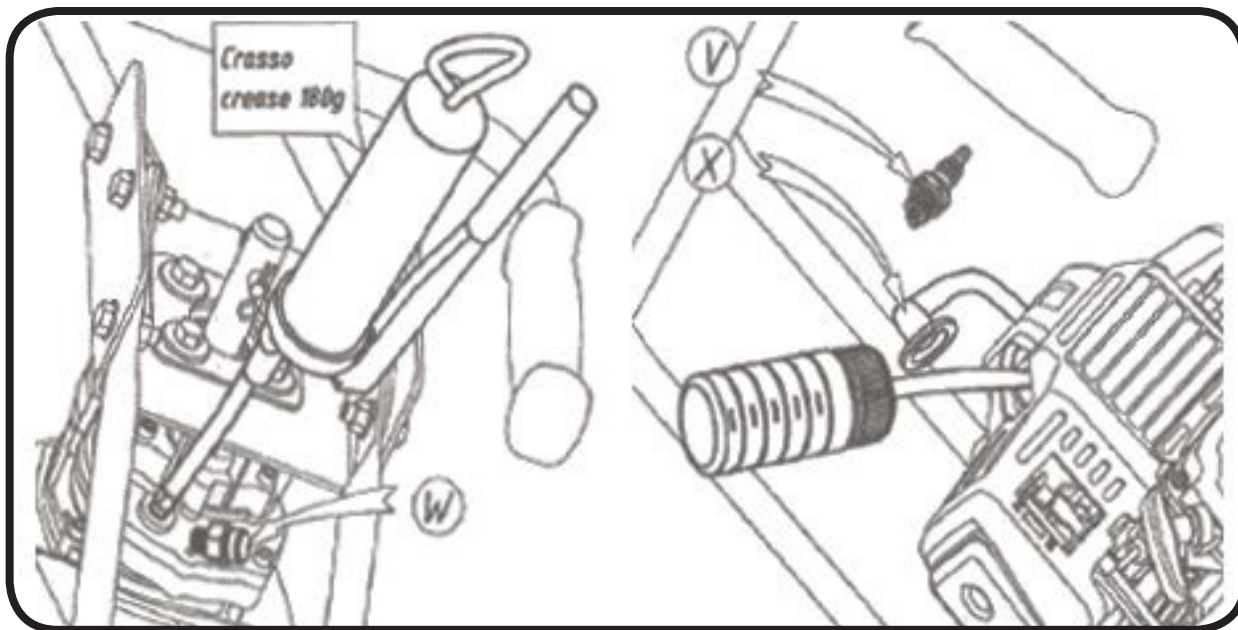


## STOPPING THE ENGINE

1. Bring the throttle to the idle position (M) and run it for 2-3 minutes at a low speed until the engine cools.
2. Switch off the engine by putting the stop switch (K) in the STOP position.
3. Remove the bit and clean the machine.

**NOTE:** Avoid stopping the engine suddenly when it runs in high speed. Doing so could cause damage to the machine.

**REDUCTION GEARBOX:** During normal operation, every 50 hours, remove, check and clean the vent cap (V). Every 100 hours, change the grease in the reduction gearbox.



## STORAGE

- If storing for a long period of time, clean the earth auger completely and grease the metal parts.
- Remove, clean and oil the bit to prevent rusting.
- Empty the fuel tank and put the cap back on.
- Remove the spark plug and pour a small amount of oil into the cylinder.
- Pull the starting rope several times, rotate the crankshaft to distribute the oil. Put the spark plug back in.
- Wrap the engine in a plastic sheet.
- Store the auger in a clean, dry place, preferably off the ground, away from heat sources and out of reach of children.

# TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY/ACTION
Engine will not start	1. Ignition switch off	1. Flip switch to <b>ON</b> position
	2. Spark plug wire disconnected	2. Connect spark plug wire to spark plug
	3. Out of fuel	3. Refuel
	4. Spark plug wet, faulty or improperly gapped	4. Clean, replace or gap spark plug
	5. Stale fuel	5. Drain old fuel and replace with fresh. Use fuel stabilizer at end of season or during long term storage
Engine runs rough, floods during operation	1. Dirty air filter	1. Clean or replace air filter
	2. Carburetor out of adjustment	2. Contact Kohler via <a href="http://www.KohlerEngines.com">www.KohlerEngines.com</a> or call 1-800-544-2444
Engine is hard to start	1. Stale fuel	1. Drain old fuel and replace with fresh fuel. Use fuel stabilizer at end of season or during long term storage
	2. Spark plug wire loose	2. Make sure spark wire is securely attached to spark plug
	3. Dirty carburetor	3. Clean carburetor, use fuel stabilizer, new gas can
Engine misses or lacks power	1. Clogged fuel filter	1. Clean fuel tank, replace fuel filter
	2. Clogged air filter	2. Clean or replace air filter
	3. Carburetor out of adjustment or bad	3. Contact Kohler via <a href="http://www.KohlerEngines.com">www.KohlerEngines.com</a> or call 1-800-544-2444
	4. Spark plug wet, faulty or improperly gapped	4. Clean, replace or gap spark plug
Engine runs, then quits	1. Clogged fuel filter	1. Clean fuel tank, replace fuel filter
	2. Carburetor out of adjustment or bad	2. Contact Kohler via <a href="http://www.KohlerEngines.com">www.KohlerEngines.com</a> or call 1-800-544-2444
Engine revs too high	1. Carburetor out of adjustment or bad	1. Contact Kohler via <a href="http://www.KohlerEngines.com">www.KohlerEngines.com</a> or call 1-800-544-2444
Auger turn at idle	1. Idle speed too high	1. Adjust idle speed lower
	2. Broken clutch spring	2. Replace clutch
Auger turns, but has no power	1. Carburetor out of adjustment or bad	1. Contact Kohler via <a href="http://www.KohlerEngines.com">www.KohlerEngines.com</a> or call 1-800-544-2444
	2. Broken transmission	2. Call customer service
	3. Worn clutch shoes	3. Replace clutch
Auger jumps	1. Blade damaged	1. Replace with new blade
Auger cuts slowly	1. Dull blade	1. Replace with new blade
	2. Damaged fishtail point	2. Replace fishtail point
	3. Blade installed upside down	3. Install blade right side up (bevel side down)



**SAVE THESE INSTRUCTIONS.**



# DISCLAIMER

## PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Record Product's Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

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**Call Us: 909.628.4900**

**Hours of Operation: 9 to 4pm PST, Monday - Friday**

**Email: [info@starktoolsusa.com](mailto:info@starktoolsusa.com)**



**PRODUCT MADE IN CHINA**