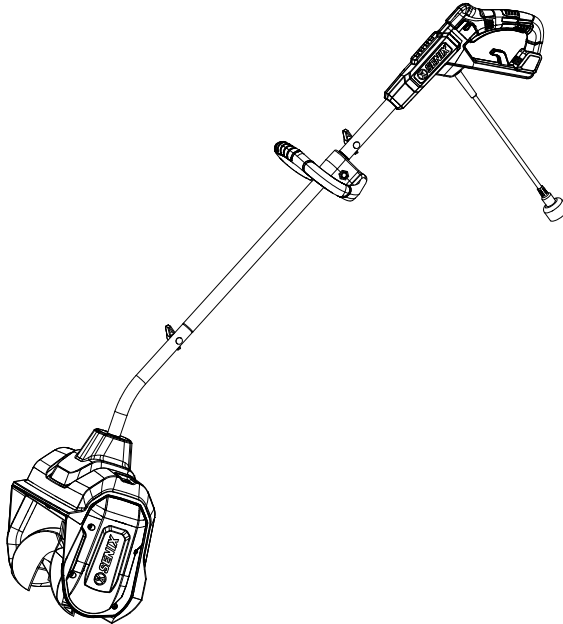




AC 12-AMP

13" ELECTRIC SNOW SHOVEL



CAUTION: Before using this tool, please read this manual completely and follow all operating safety measures.

- SAFETY
- ASSEMBLY
- OPERATION
- MAINTENANCE
- WARRANTY

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For customer support, please call 1-800-261-3981 or email us at senix.support@yatusa.com

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SAFETY & INTERNATIONAL SYMBOLS

The following table depicts and describes safety and international symbols and pictographs that may appear on this product. Read, understand, and follow all instructions on the machine and in the instruction manual for complete safety, assembly, operating, maintenance, and repair information before attempting to assemble and operate.



WARNING - To reduce the risk of injury, user must read instruction manual.



SAFETY ALERT - Indicates a precaution, a warning or a danger.



Wear hearing protection. Wear eye protection. Wear breathing protection.



Keep the flexible power supply cord away from the cutting blades.



Wear safety gloves during use to protect hands.



Keep bystanders and children a safe distance (at least 11 yd/10 m) away from the work area.



Always keep the power cable away from heat sources, oils or sharp edges. Immediately remove plug from the mains if the cable is damaged or entangled.



Double insulation.



WARNING! Electrical shock hazard.



WARNING! Do not expose the unit to rain or wet conditions. Keep dry.



DANGER! Cutting/dismemberment hazard - Keep feet away from the rotating auger.



CAUTION! Beware of stones and other foreign objects that could be thrown from the appliance.



Wear safety footwear at all times to provide protection against objects that may accidentally fall on feet.



DANGER! Cutting/dismemberment hazard - Keep hands away from the rotating auger. Do not use hands to unclog rotor housing. Stop motor before removing debris.



WARNING! Turn the machine OFF and disconnect it from the power supply before inspecting, cleaning, changing accessories or conducting any other maintenance task.



The rotating part will continuously run for several seconds after you turn off the machine.



Complies with ETL standards.

SAFETY INSTRUCTIONS

ORIGINAL INSTRUCTIONS

All Operators Must Read These Instructions Before Use

Any electrical equipment can be dangerous if used incorrectly. Some of the safety precautions given in this manual apply generally to many equipments. Other warnings are specific to the use of this snow shovel. Keep this manual for future reference.

GENERAL SAFETY WARNINGS

You and any other operator of this snow shovel must read, understand and follow these instructions in their entirety, and should reread them at the start of each snow season. Failure to follow these instructions may result in **ELECTRIC SHOCK, FIRE and/or serious PERSONAL INJURY.**



Notice the personal safety alert symbol used in this manual to draw your attention to a **WARNING** given along with the particular operating instruction. This means that the operation requires special **ATTENTION, CAUTION, and AWARENESS.**

1. Replacement parts – When servicing this unit, use only identical replacement parts. Replace or repair damaged cords immediately. Do not use on gravel surfaces unless the snow shovel is adjusted for such surfaces in accordance with the operator's manual.
2. Keep children, bystanders and pets away – All spectators, including pets, should be kept a safe distance away from the work area.
3. Dress properly – Do not wear loose articles of clothing or jewelry. They can become caught in moving parts. Wear rubber boots. The electric snow shovel should not be operated in the hand-held position except when the instructions provided in this manual deem such use permissible
4. Wear rubber boots when operating the snow shovel.
5. Extension cords – To prevent disconnection of the appliance cord from the extension cord during operation, secure the extension cord to the product.



WARNING!

To prevent electric shock, use only with an extension cord suitable for outdoor use.

6. Avoid accidental starting – Do not carry the electric snow shovel with your finger on the switch. Make sure the switch is off before plugging in the unit. If the cord is damaged in any manner during operation, pull the extension cord from the wall receptacle.
7. If cord is damaged in any manner while plugged in, pull extension cord from wall receptacle.
8. Do not abuse the cord – Never carry the electric snow shovel by the cord or yank the cord to disconnect it from the receptacle. Keep the cord away from heat, oil and sharp edges.
9. Moving parts – Keep hands and feet away from moving parts. Keep guards in place and in proper working order.
10. Do not force the tool – It will perform better with less likelihood of personal or mechanical injury if it is used at the rate for which it was designed.
11. Do not overreach – Keep proper footing and balance at all times. If the electric snow shovel strikes a foreign object, follow these steps:
 - Stop the electric snow shovel. Release the switch.
 - Unplug power cord
 - Inspect for damage.
 - Repair any damage before restarting and operating the snow shovel.
12. Disconnect the tool – Disconnect the electric snow shovel from the power supply when it is not in use, before servicing it, when changing accessories and when performing any other maintenance task.
13. Store idle tool indoors – When not in use, the electric snow shovel should be stored indoors in a dry, locked place out of the reach of children.
14. Maintain the electric snow shovel with care – Follow the applicable maintenance instructions for replacing parts and changing accessories. Lubrication is not required.

This electric snow shovel meets or exceeds the B71.3 specifications of the American National Standards Institute in effect at the time of production. Read and understand the contents of this manual before you start the motor.



WARNING!

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death. Improperly using or maintaining this electric snow shovel could result in injury or death. To reduce this potential, comply with the following safety instructions.

TRAINING

1. Read, understand and follow all instructions on the machine and in the manual before operating this unit. Be thoroughly familiarize yourself with the controls and the proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
2. Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
3. Keep the area of operation clear of all persons, particularly small children and pets.
4. Exercise caution to avoid slipping or falling, especially when operating the snow shovel in reverse.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used and remove all doormats, sleds, boards, wires and other foreign objects.
2. Do not operate the equipment without wearing adequate winter garments. Avoid loose fitting articles of clothing that can become caught in moving parts. Wear footwear that will improve footing on slippery surfaces.
3. Do not attempt to clear snow from a gravel or crushed rock surface. This product is intended for use only on paved surfaces.
4. Never attempt to make any adjustments while the motor is running (except when specifically recommended by the manufacturer).

5. Always wear safety glasses or eye shields during operation or while performing an adjustment or repair to protect your eyes from foreign objects that may be thrown from the machine.

OPERATION

1. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
2. Exercise extreme caution when operating on or crossing gravel drives, walks or roads. Stay alert for hidden hazards or traffic.
3. After striking a foreign object, stop the motor. Thoroughly inspect the snow shovel for any damage, and repair the damage before restarting and operating the snow shovel.
4. If the unit should start to vibrate abnormally, stop the motor and check the unit immediately to ascertain the cause. Vibration is generally a sign of trouble.
5. Stop the motor and remove the battery whenever you leave the operating position, when transporting the unit, before unclogging the rotor blade housing and when making any repairs, adjustments or inspections to the unit.
6. When cleaning, repairing or inspecting the snow shovel, make sure that all moving parts have come to a complete stop before beginning work.
7. Exercise extreme caution when operating on slopes.
8. Never operate the snow shovel without proper guards and other safety devices in place and in proper working order.
9. Never direct the discharge toward people or areas where property damage can occur. Keep children, pets and other bystanders away from the work area.
10. Do not overload the machine capacity by attempting to clear snow at too fast a rate.
11. Never operate the machine at high transport speeds on slippery surfaces. Look behind and use care when backing up with the snow shovel.
12. Never operate the snow shovel without good visibility or light. Always be sure of your footing, and keep a firm hold on the handles. Walk, never run, with the unit.

CLEARING A CLOGGED ROTOR HOUSING

Hand contact with the rotating rotor blades inside the rotor housing is the most common cause of injury associated with snow shovels. Never use your hands to clear a clogged rotor housing.

To clear the rotor housing:

- Shut the motor off and remove the battery.
- Wait 10 seconds to be sure the rotor blades have come to a complete stop.
- Always use a clean-out tool, not your hands, to free the rotating blades.

MAINTENANCE AND STORAGE

1. Check all fasteners at frequent intervals for proper tightness to ensure that the equipment is in safe working condition.
2. Always refer to the operator's manual for important details, such as how to properly store your snow shovel for an extended period of time.
3. Maintain or replace safety and instruction labels as needed.
4. Run the machine a few minutes after throwing snow to prevent the rotor blades from freezing.

DOUBLE-INSULATED APPLIANCES

In a double-insulated appliance, two systems of insulation are provided instead of grounding. No grounding means is provided on a doubleinsulated appliance, nor should a means for grounding be added to the appliance. Servicing a doubleinsulated appliance requires extreme care and knowledge of the system, and should be performed only by qualified service personnel at an authorized dealer.

Replacement parts for a doubleinsulated appliance must be identical to the parts they replace. A doubleinsulated appliance is marked with the words "Double Insulation" or

"Double Insulated." The symbol  (square within a square) may also be marked on the appliance.



DOUBLE-INSULATED: GROUNDING NOT REQUIRED. WHEN SERVICING, USE ONLY IDENTICAL

This electric snow shovel is doubleinsulated, eliminating the need for a separate grounding system. Use only identical replacement parts. Read the instructions before servicing double-insulated appliances. Use this snow shovel only as described in this manual.

ELECTRICAL SAFETY

1. Ground fault circuit interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for this electric snow shovel. Receptacles are available having built-in GFCI protection and may be used for this measure of safety.
2. To reduce the risk of electric shock, this appliance has a polarized plug (i.e. one blade is wider than the other). Use this appliance only with a polarized UL-, CSA- or ETL-listed extension cord recommended for outdoor, allweather use. The appliance plug will fit into a polarized extension cord only one way. If the appliance plug does not fit fully into the extension cord, reverse the plug. If the plug still does not fit, obtain a correct polarized extension cord. A polarized extension cord will require the use of a polarized wall outlet. The extension cord plug will fit into the polarized wall outlet only one way. If the plug does not fit fully into the wall outlet, reverse the plug. If the plug still does not fit, contact a qualified electrician to install the proper wall outlet. Do not modify the appliance plug, extension cord receptacle or extension cord plug in any way.
3. To prevent electric shock, use only with an extension cord suitable for outdoor use. Before use, check that the extension cord is in good condition. When using an extension cord, make sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.



WARNING!

Electric shock may cause SEVERE INJURY or DEATH. Heed these warnings:

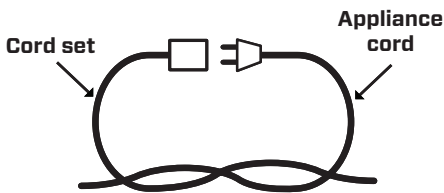
Select an extension cord that is:

- Specifically labelled for outdoor use.
- Of a wire size (AWG) heavy enough to carry the current the full length of the cable according to the table below.
- Select the gauge of extension cord based on the desired length and the electrical specifications found on the product label. These are the recommended gauges based on the length of cord.
- Make sure the insulation is free of cracks and that the plugs on both ends are undamaged.

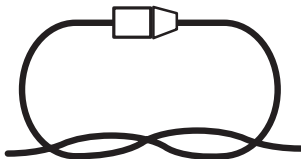
EXTENSION CORD CHART		
Extension Cord Length	Up to 50 ft (15 m)	+50 ft - 100 ft (+15 m - 30 m)
Wire Gauge (A.W.G.):	14	12

4. To prevent the equipment cord from disconnecting from the extension cord during operation, make a knot with the two cords as shown in Table 1.

Table 1. Method of Securing Extension Cord



(A) Tie cord as shown



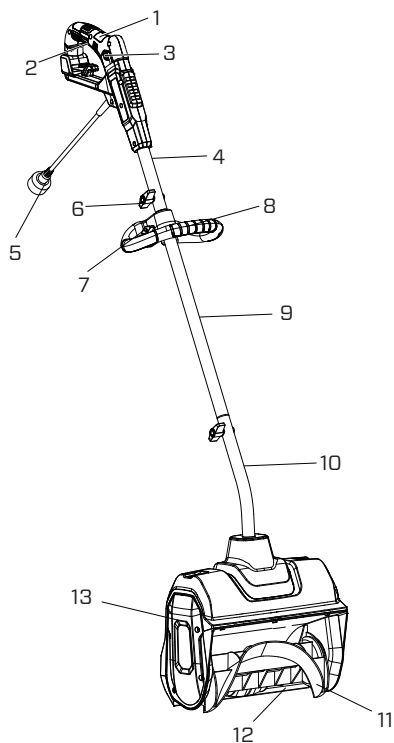
(B) Connect plug and receptacle

5. Do not abuse the cord. Never pull the snow shovel by the cord or yank the cord to disconnect it from the receptacle. Keep the cord away from heat, oil, and sharp edges.

SAVE THIS INSTRUCTIONS INTENDED USE

This corded snow shovel is intended for removing and clearing away snow from pavements, gardens, driveways and other groundlevel surfaces. Do not use it for other purposes.

KNOW YOUR UNIT



APPLICATIONS

Model: STE12-L

As a corded snow shovel:

Removing and clearing away snow from paved surfaces.

1	Main Handle
2	Switch Trigger
3	Safety Button
4	Upper Shaft
5	Power Cord
6	Shaft Knob
7	Handle Knob

8	Auxiliary handle
9	Middle Shaft
10	Lower Shaft
11	Auger
12	Scraper Bar
13	Right Side Cover

SPECIFICATIONS

Model	STE12-L
Motor Type	12A Universal
Rated Voltage	120 V ~ 60 Hz
Rated Output	12 A
Max. Clearing Capacity	480 lbs/min
Throw Distance	26 ft.
Clearing Depth	8"
Clearing Width	13"
No-Load Speed	2 000 RPM
Weight (Tool only)	12.8 lbs

ASSEMBLY

1. Unpack all parts and lay them on a flat, stable surface:
2. Remove all packing materials and shipping devices, if applicable.
3. The scope of delivery varies depending on the country and purchased variant.
 - Auxiliary handle x1
 - Hexagon bolt x1
 - Adjusting knob x1
 - Square Neck Bolt x2
 - Knob x2
 - Flat washer x2
 - Snow shovel x1
 - Instruction manual x1
4. If parts are missing or damaged, do not use the product. Contact your local dealer.
5. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.



WARNING!



Wear protective gloves for this assembly work and always lay the product on a flat and stable surface while assembling. Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product! Do not insert the battery packs before the power tool is completely assembled or adjusted!

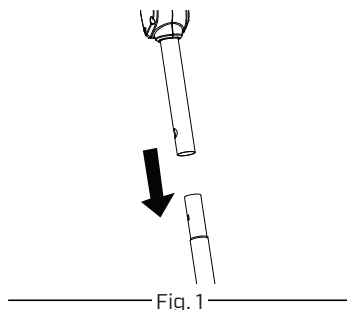


WARNING!

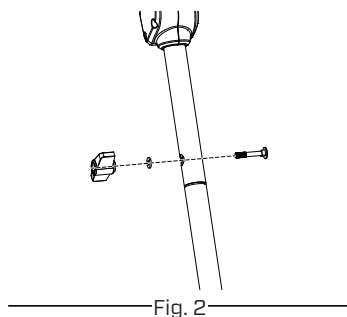
To avoid product damage or personal injury, the equipment should be assembled indoors at an ambient temperature above 23°F (-5°C).

CONNECTING THE SHAFT

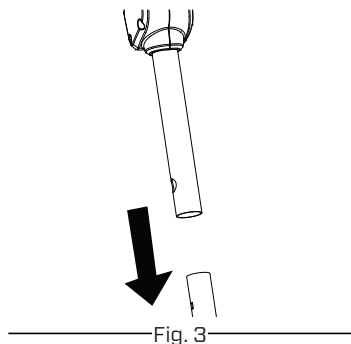
1. Connect the upper shaft assembly with the middle shaft assembly by aligning the holes.



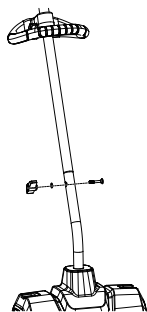
2. Insert a bolt through the aligned holes in the shafts on one side. Put on a flat washer and a handle knob on the other side. And then tighten the knob to secure the shafts.



3. Connect the upper shaft and middle shaft assembly with the lower shaft assembly by aligning the holes.



4. Insert a bolt through the aligned holes in the shafts on one side. Put on a flat washer and a handle knob on the other side. And then tighten the knob to secure the shafts.

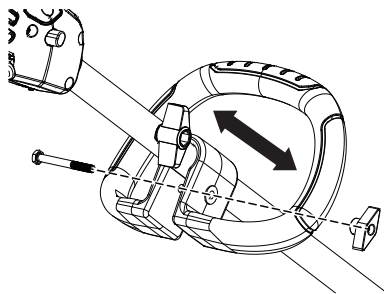


NOTE:

To avoid the wiring in the shafts intervening the assembly, make sure to connect the upper shaft assembly and the middle shaft assembly first. Move the wiring in the shafts carefully to one side when inserting the bolt.

POSITIONING THE AUXILIARY HANDLE

1. Loosen the auxiliary handle knob.
2. Move the auxiliary handle to a comfortable working position.



3. Tighten the auxiliary handle knob.

NOTE:

Make sure the auxiliary handle is tightened securely to avoid it sliding.

OPERATION

WARNING!

Keep the area to be cleared free of stones, toys or other foreign objects that the auger might pick up and throw. Such items could be covered by snow and are easy to overlook, so be sure to conduct a thorough inspection of the area before beginning work.

WARNING!

This corded snow shovel is intended for outdoor, residential use only. Do not use this product indoors or for commercial or industrial purposes.

CONNECTING TO A POWER SOURCE

To reduce the risk of electric shock, this equipment has a polarized plug (i.e. one blade is wider than the other).

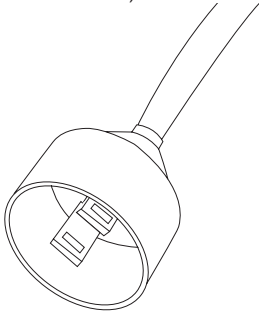


Fig. 6

Use this equipment only with a polarized UL-, CSA- or ETL listed extension cord recommended for outdoor, all-weather use. The equipment plug will fit into a polarized extension cord only one way. If the equipment plug does not fit fully into the extension cord, reverse the plug. If the plug still does not fit, obtain a correct polarized extension cord. A polarized extension cord will require the use of a polarized wall outlet.

The extension cord plug will fit into the polarized wall outlet only one way. If the plug does not fit fully into the wall outlet, reverse the plug. If the plug still does not fit, contact a qualified electrician to install the proper wall outlet. Do not modify the equipment plug, extension cord receptacle or extension cord plug in any way.



NOTE:

Check the extension cord frequently during use for holes or cracks in the insulation. Do not use a damaged cord. Do not run the cord through standing water or wet grass. Use only an extension cord recommended for outdoor use.

SECURING THE EXTENSION CORD

1. Make a loop with the extension cord.

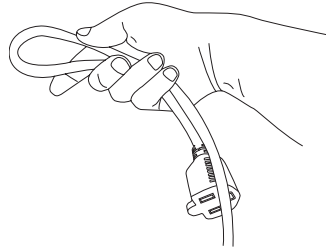


Fig. 7

2. Insert the loop through the opening in the back of the main handle and secure the loop onto the extension cord restraint hook.

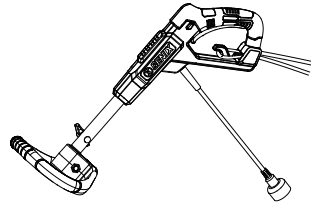


Fig. 8

3. Connect the extension cord to the equipment plug.

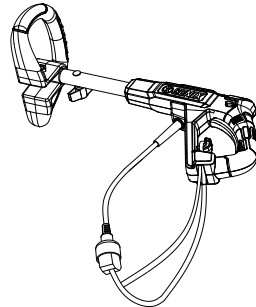


Fig. 9



NOTE:

Secure the extension cord in this way to avoid accidentally disconnecting the extension cord from the equipment during operation.

4. Plug the extension cord into a wall outlet.

STARTING AND STOPPING

1. To start the corded snow shovel, push and hold the safety button on the top of the handle grip with your thumb and then squeeze the trigger with your other fingers. Once the machine powers on, you can release the safety button and continue the operation.

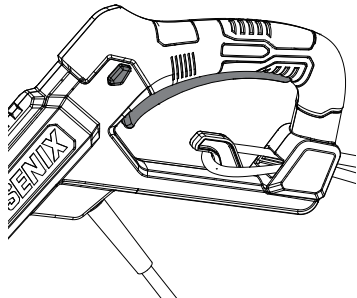


Fig. 10

2. To stop the corded snow shovel, release the trigger.

MAINTENANCE



WARNING!

Always switch the product off, disconnect the product from power supply and let the product cool down before performing cleaning and maintenance work!



WARNING!

Only perform cleaning and maintenance work according to these instructions! All further works must be performed by a qualified specialist! And only use specified spare parts for replacement.



WARNING!

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

REPLACING THE AUGER

1. Remove the four screws to disassemble the left side cover.

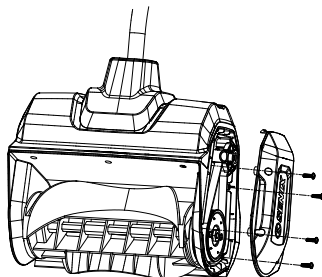


Fig. 11

2. Disassemble the bearing bracket by removing the four screws.

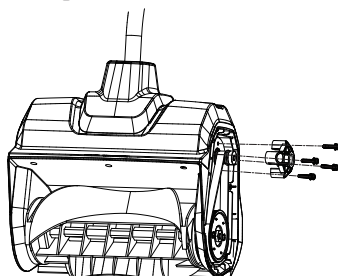


Fig. 12

3. Remove the belt from the driven wheel.

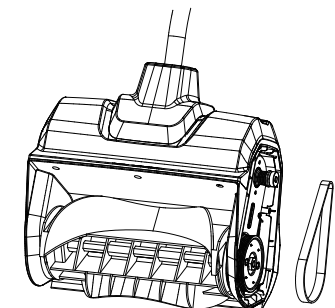


Fig. 13

4. Remove the driven wheel and the rubber brake pad.

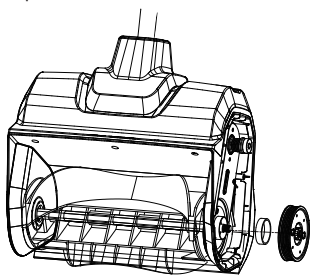


Fig. 14

5. Remove the three screws and the bracket.

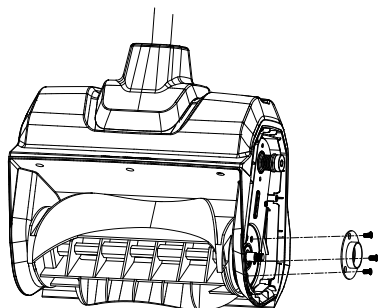


Fig. 15

6. Remove the four screws to disassemble the right side cover.

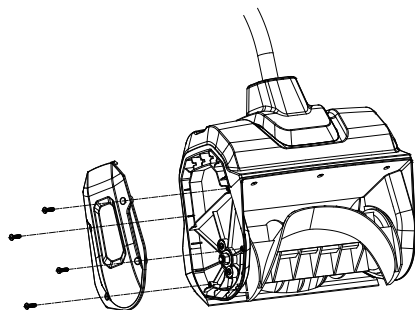


Fig. 16

7. Use one hand to secure the auger while use the other hand to remove the nut on the right side.

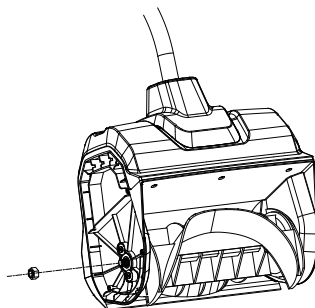


Fig. 17

8. From the left side, remove the auger axle.

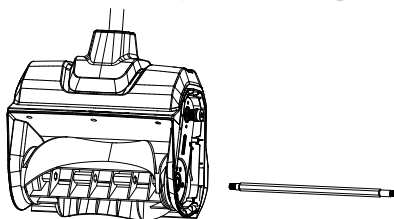


Fig. 18

9. Remove the old auger from the housing.

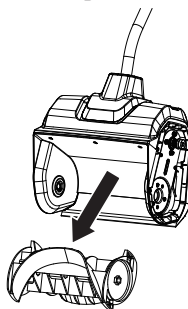


Fig. 19

10. Install a new auger by following the above steps in reverse order.

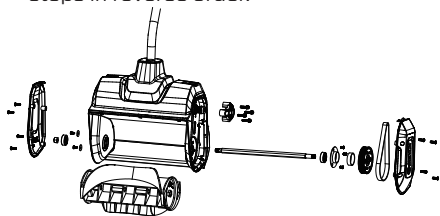


Fig. 20



WARNING!

When installing the rubber brake pad into the driven wheel, use a suitable tool to insert the holes from the upper face of the wheel to open the metal brake pads on the lower face.

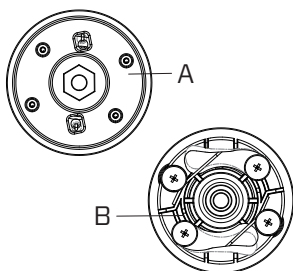


Fig. 21

A	Upper Face
B	Lower Face

REPLACING THE BELT

1. Remove the four screws to disassemble the left side cover.

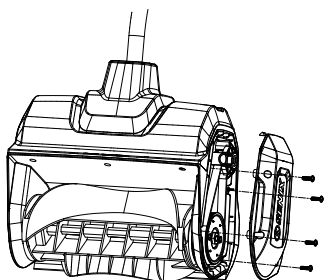


Fig. 22

2. To remove the old belt from the driven wheel, use one hand to slowly take out the auger while use the other hand to lift the belt.

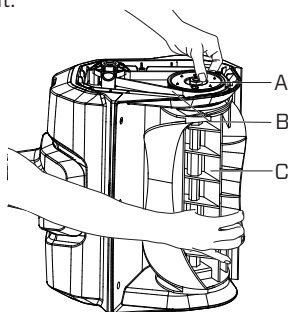


Fig. 23

A	Driven Wheel
B	Belt
C	Auger

3. Replace the left side cover and refasten the four screws after replacing a new belt.

REPLACING THE SCRAPER BAR

1. Turn over the snow shovel. Use a drill to remove the five screws that secure the scraper bar to the base of the machine.

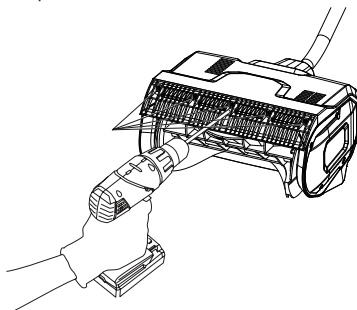


Fig. 24

2. Remove the old scraper bar.

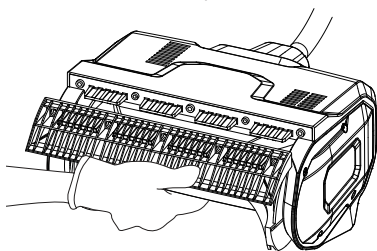


Fig. 25

3. Install a new scraper bar and fasten it securely to the housing with the five screws.

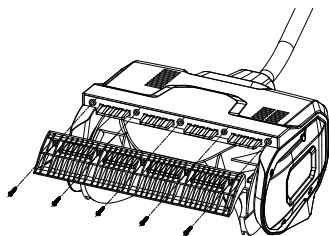


Fig. 26

LIFETIME LUBRICATION

Lubrication is not necessary and may damage the product. The snow shovel is lubricated for lifetime use at the factory before shipment.

CLEANING

1. Switch the product off and unplug the product from power supply.
2. Inspect the product before and after each use for worn and damaged parts. Do not operate it if you find worn and damaged parts.
3. Use a small brush to clean the outside of the product. Do not use strong detergents. Household cleaners that contain aromatic oils such as pine and lemon, and solvents such as kerosene, can damage plastic. Wipe off any moisture with a soft cloth.

STORAGE

1. Examine the product thoroughly for worn, loose or damaged parts.
2. Clean the product described earlier.
3. Store the product in a cool, dry, and well-ventilated place.

TRANSPORTATION

1. Clean the product as described above.
2. Only carry by its handle/grip area.
3. Protect from any heavy impact.
4. Secure the product properly.

DISPOSAL

Product should not be disposed of with household waste. Please recycle where facilities exist.

Check with your local authority or retailer for recycling advice. Users should clean up dust generated during operation to protect environment.



Electrical products should not be discarded with household products. Used electrical products must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

TROUBLESHOOTING

Suspected malfunctions are often due to causes that can be addressed by the user. Therefore, troubleshoot the product using this section. In most cases the problem can be solved quickly.

Problem	Possible Cause	Solution
The handle is not in position.	The handle is not installed properly.	Make sure the bolts are correctly installed and the hand knobs are tightened. Refer to this manual to assemble the handle.
Product does not start.	The snow shovel is unplugged.	Make sure the snow shovel is plugged into an electric outlet.
	The auger is jammed	Unplug from power supply, inspect auger, remove debris.
	The switch is defective.	Replace with a new one.
The motor is on, but the auger does not run.	The belt is damaged.	Replace with a new one.

WARRANTY

SENIX TOOLS LIMITED WARRANTY

FOR THREE YEARS from the date of original purchase this power equipment product is warranted against defects in material or construction.

WITH PROOF OF ORIGINAL PURCHASE a defective product will receive free repair. If the product cannot be repaired it will be replaced free of charge.

For details to obtain warranty coverage, visit www.senixtools.com, email senix.support@yatusa.com, or call 1-800-261-3981.

- This warranty does not cover repairs necessary due to product accident or abuse, or failure to operate or maintain the product according to all supplied instructions.
- This warranty does not cover expendable items that can wear out from normal use within the warranty period, including but not limited to cutting blades and trimmer spool or line.
- This warranty does not apply to damage resulting from repairs to the product made or attempted by other than SENIX authorized agents.
- This warranty does not cover the cost of mailing or transporting the product to receive warranty coverage.
- The warranty is void if the product has been used for commercial, professional, or rental service purposes.
- The warranty applies to the original retail purchaser and is not transferable.
- Proof of purchase is required to obtain warranty coverage.

THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHERS, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND EXCLUDES ALL INCIDENTAL OR CONSEQUENTIAL DAMAGE.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

60-DAYS MONEY-BACK GUARANTEE

If for any reason within 60 days from the date of original purchase you are not completely satisfied with the performance of this SENIX product, you can return it with the original sales receipt for a full refund.

Latin America: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see the country-specific warranty information contained in the packaging, call the retailer from which it was purchased, or visit the website for warranty information.

Free warning label replacement: If your warning labels become illegible or are missing, call 1-800-261-3981 for a free replacement.

REGISTER ONLINE - www.senixtools.com/pages/product-registration

Thank you for your purchase! Register your product now for:

Warranty Service: Registering your product will help you obtain more efficient warranty service in case of a problem with your product.

Confirmation of Ownership: In case of an insurance loss, such as fire, flood, or theft, your ownership registration will serve as proof of purchase.

For your safety: Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.



YAT USA INC. 10506 Bryton Corporate Center Dr, #500 Huntersville, NC 28078
For customer support, please call 1-800-261-3981 or email us at senix.support@yatusa.com