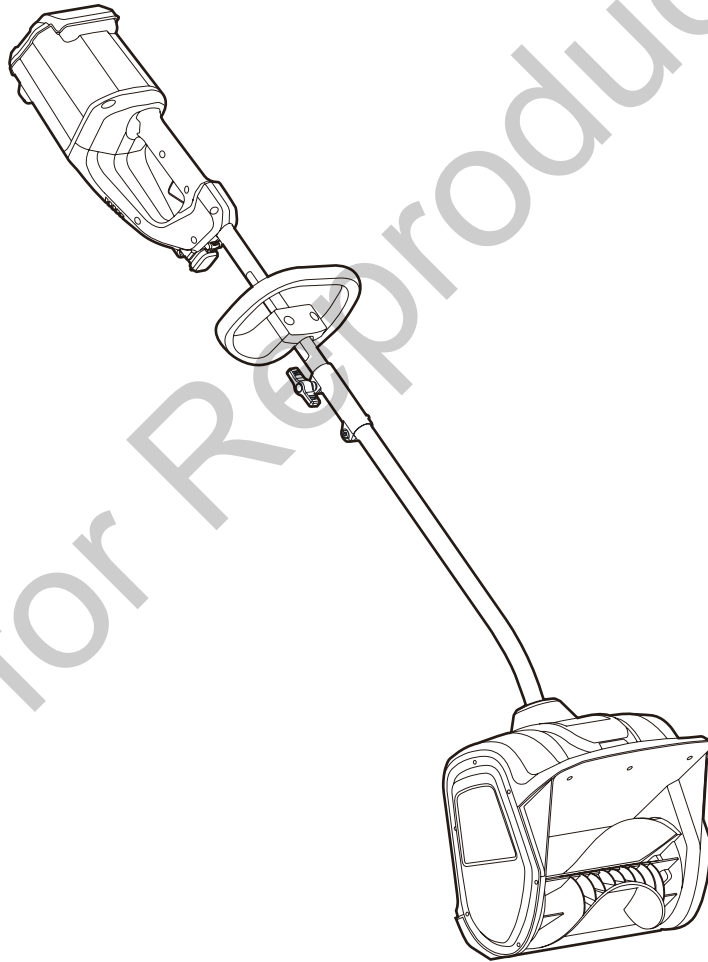




12" 82V Snow Shovel
1687919 (SXDS82)



Owner's Manual
www.refurbproductsupport.com

Read all safety rules and instructions carefully before operating this tool.

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PRODUCT SPECIFICATIONS

82 V 12" CORDLESS SNOW SHOVEL

Motor.....	82 V brushless motor
Battery type	82 V Lithium-ion
No-load speed	1800 RPM
Clearing width	12 in. (30 cm)
Clearing depth.....	4 in. (10.2 cm)
Impeller size.....	11 in. (27.8 cm)
Discharge distance.....	20 ft. (6 m)
Weight (without battery)	16.5 lbs (7.5 kg)

Disclaimer: * Maximum initial battery voltage (measured without a workload) is 82 volts. Nominal voltage is 72.

Cold Weather Operation: Lithium Ion batteries can be safely used from temperatures ranging from 1 degree to 113 degrees Fahrenheit. NOTE: Do not store or charge battery outside. Battery must be charged and stored indoors prior to use of the snow shovel.

Battery may not properly start if its temperatures is 1 degree Fahrenheit or lower. If unit does not start remove battery from snow thrower. Place battery on charger and allow to charge for 10 minutes to allow battery to warm. Remove from charger and install in snow shovel for use.

SAFETY INFORMATION

▲ W A R N I N G

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injuries.

Save all warnings and instructions for future reference.

- Walk. Do not run.
- Verify that the power tool is not in contact with anything before turning it on.
- Stay away from impeller openings at all times. Keep face, hands, and feet away from concealed, moving, or rotating parts.
- Be attentive when using the power tool. Stay alert for holes in the terrain and other hidden hazards or traffic.
- Move up and down slopes when clearing snow. Do not go across a slope. Use caution when changing direction. Do not use this power tool to clear snow from steep slopes.
- Do not operate the power tool if the guards, plates, and other safety protective devices are not in place.
- Do not operate the power tool near glass enclosures, automobiles, trucks, window wells, drop-offs, etc., without properly adjusting the angle of the snow discharge. Keep children and pets away from the work area.
- Do not operate the power tool at high speeds on slippery surfaces. Look behind when backing up and exercise caution.
- Wear safety glasses or goggles that meet ANSI Z87.1 standards.
- Use the power tool in daylight or in good artificial light.
- To avoid accidental start-ups, remain in the starting position when turning the power tool on. The operator and the power tool must be in a stable position during start-up. See the section titled Starting/Stopping Instructions.
- Use this power tool only for the purposes it was designed.
- Hold the power tool with both hands while it is in use. Keep a firm grip on the handles.
- If the impeller does not rotate freely due to ice, thaw the power tool thoroughly before attempting to use it.
- Keep the impeller clear of debris.
- Do not attempt to clear the impeller while the motor is running.
- After striking a foreign object, turn the power tool off and remove the battery pack, then inspect it for damage. Repair any damage before restarting and using the power tool.
- If the power tool starts to vibrate abnormally, stop the power tool immediately and attempt to determine the cause. Vibration is generally an indication of danger.
- Stop the motor and remove the battery pack whenever the operator is not in the operating position, before unclogging the impeller, and before making any repairs, adjustments, or inspections.
- Do not use on graveled surface unless the power tool is adjusted for such a surface in accordance with the operator's manual.
- Keep Children Away – All visitors should be kept a safe distance from work area.
- Dress Properly – Do not wear loose clothing or jewelry. They can be caught in moving parts.
- Wear rubber boots when operating the power tool. Do not operate the equipment when barefoot or wearing open sandals. Always wear substantial footwear.
- Operation of the power tool in the hand-held position is unsafe, except in accordance with the special instructions for such use provided in the operator's manual.
- Keep guards in place and in working order.
- Don't Force Power Tool – It will perform better and safer at the rate for which it was designed.
- Don't Overreach – Keep proper footing and balance at all times.
- If the power tool strikes a foreign object, follow these steps:
 - i) Stop the power tool.
 - ii) Inspect for damage.

SAFETY INFORMATION

- iii) Repair any damage before restarting and operating the power tool.
- Store Idle Power Tool Indoors – When not in use, power tools should be stored indoors in a dry, locked-up place out of reach of children.
- Maintain Power Tools With Care – Follow instructions for lubricating and changing accessories.
- Allow the power tool to run for a few minutes after clearing snow in order to prevent moving parts from freezing.
- Only use identical replacement parts and accessories for this power tool. The use of nonidentical parts or accessories could lead to serious injury to the user or damage the power tool, and will void the warranty.
- Do not pick up the power tool while it is running. The power tool is designed to travel along the ground.
- Never allow children to operate a power tool. Keep the area of operation clear of all persons, particularly small children, and pets.
- Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wires, bones, and other foreign objects.
- Stop the blade(s) when crossing gravel drives, walks, or roads.
- Read the operating and service instruction manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment.

GENERAL SAFETY RULES

- Verify that the power tool is secure while transporting.
- Store the power tool in a dry area that will prevent unauthorized use or damage. Keep out of the reach of children.
- Keep handles dry, clean, and free of debris. Clean the power tool after each use. Refer to the Maintenance Section in this manual for more information.
- If the labels on the power tool become defaced or start to lift off, contact customer service at 1-800-317-7833.
- Keep these instructions in a safe place for future reference. Refer to them often and use them to instruct other users. Anyone who uses this power tool must read these instructions carefully.
- Maintain the power tool with care. Follow the instructions for lubricating and changing accessories.

⚠ CAUTION

Use only approved replacement batteries, other batteries may cause injury or damage to the snow shovel. Use only with Briggs & Stratton batteries BSB2AH82 (2 amp-hour) and Briggs & Stratton charger BSRC82 or BSSC82.

⚠ WARNING (PROPOSITION 65)

This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm. Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:














- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

SAVE THESE INSTRUCTIONS




SYMBOLS

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
	Alternating Current	Type of current
	Direct Current	Type or a characteristic of current
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Safety Alert	Precautions that involve your safety.
	Eye and Hearing Protection	Wear eye and hearing protection when operating this equipment.
	Ricochet	Thrown objects can ricochet and result in personal injury or property damage.
	Safe Distance	Keep bystanders a safe distance from the machine.
	Moving Parts	Stay away from moving parts. Keep all guards and shields in place.
	Hand	Keep hands away from the discharge area.
	Hand and feet	Keep hands and feet away from rotating impeller.
	Stop the Machine	Stop the motor and remove the battery before leaving the machine.
	Hand and Feet	Keep hands and feet away.

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOLS	SIGNAL	MEANING
	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

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SAVE THESE INSTRUCTIONS

FEATURES AND CONTROLS

Read this operator's manual and safety rules before operating your snow shovel. Compare the illustration in Figure 1 to your snow shovel in order to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.

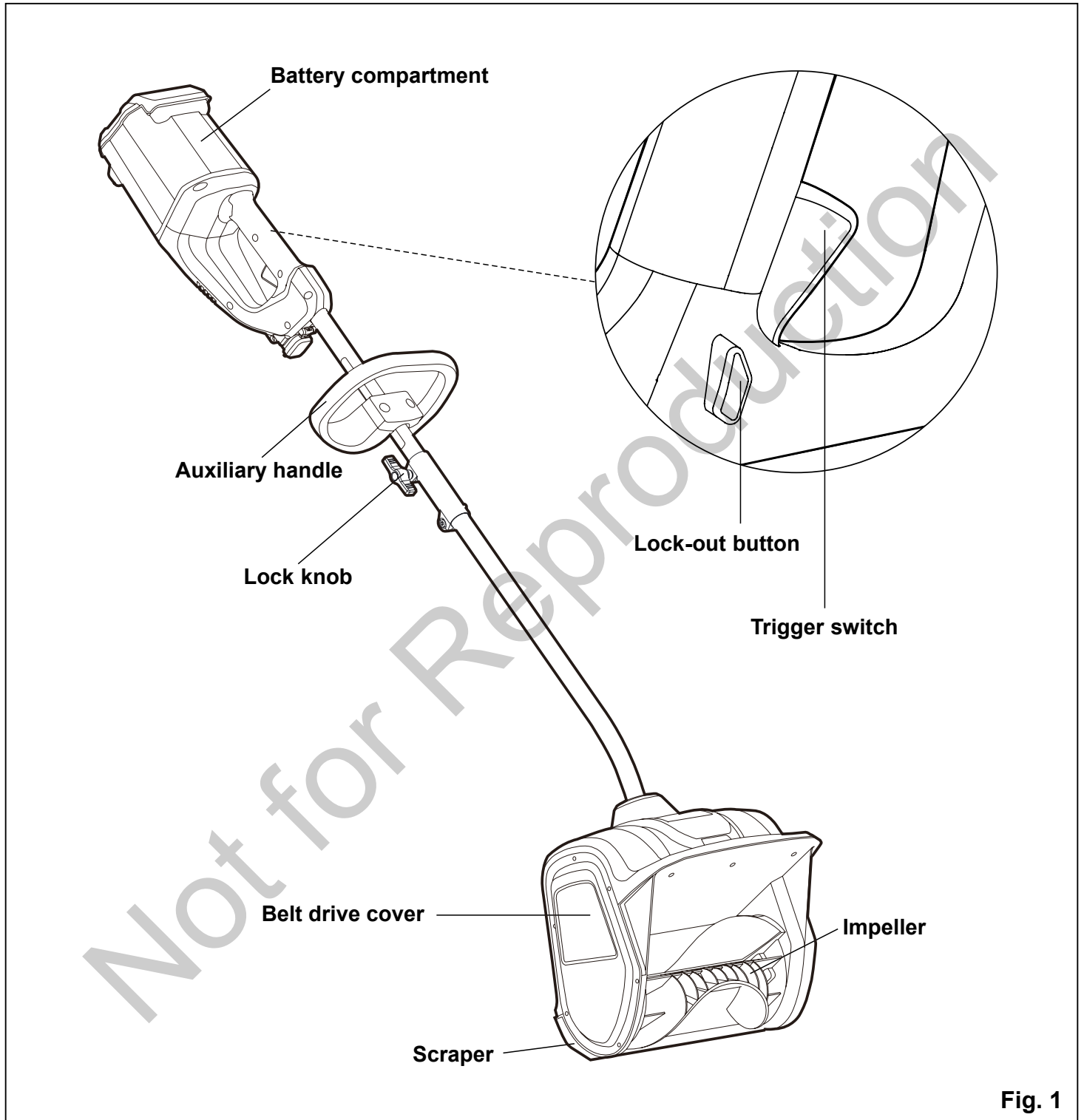


Fig. 1

ASSEMBLY

UNPACKING

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call 1-800-317-7833 for assistance.

PACKING LIST

- Snow shovel
- Owner's Manual

▲ W A R N I N G

If any parts are damaged or missing, do not operate this product until the parts are replaced. Failure to heed this warning could result in serious personal injury.

▲ W A R N I N G

Do not insert battery until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

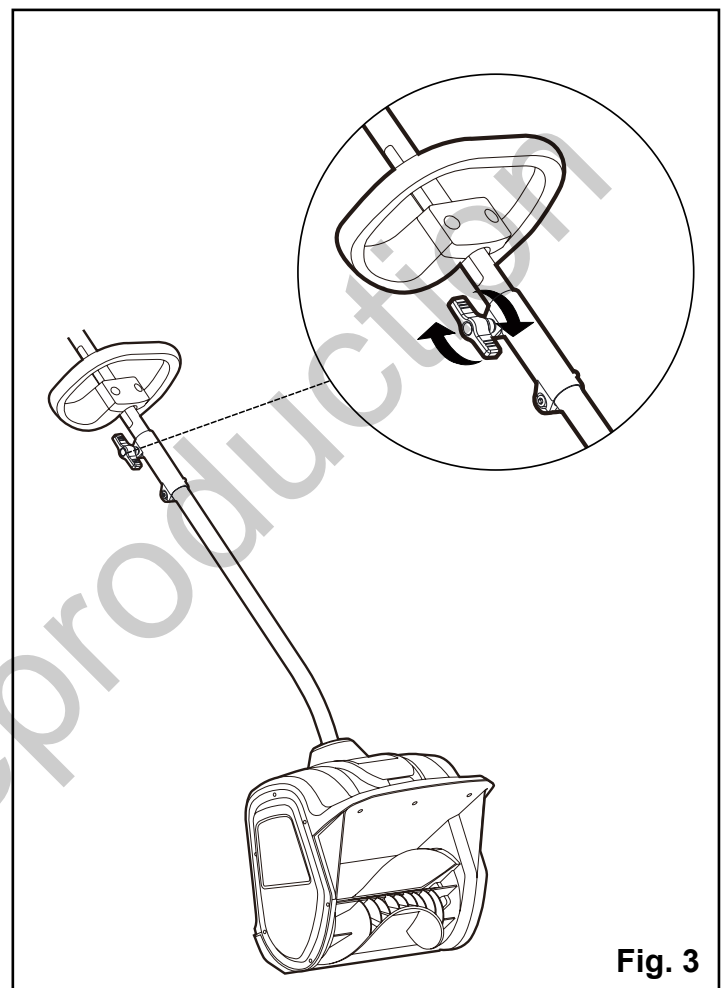
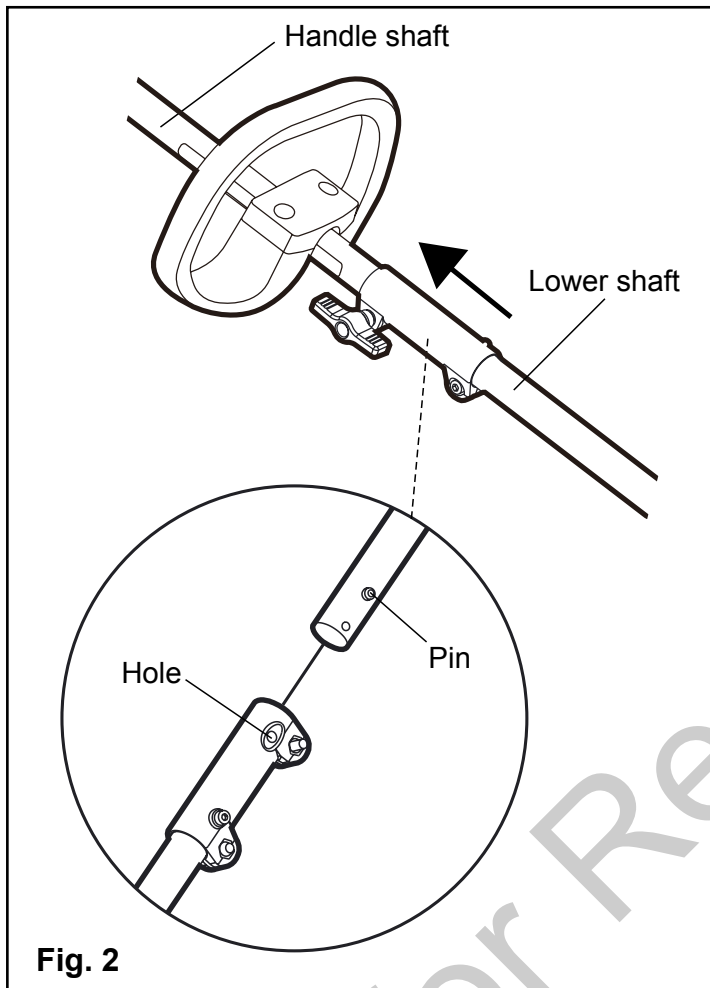
▲ W A R N I N G

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse, and could result in a hazardous condition leading to possible serious personal injury.

ASSEMBLY

CONNECTING THE SHAFTS (See Figures 2-3)

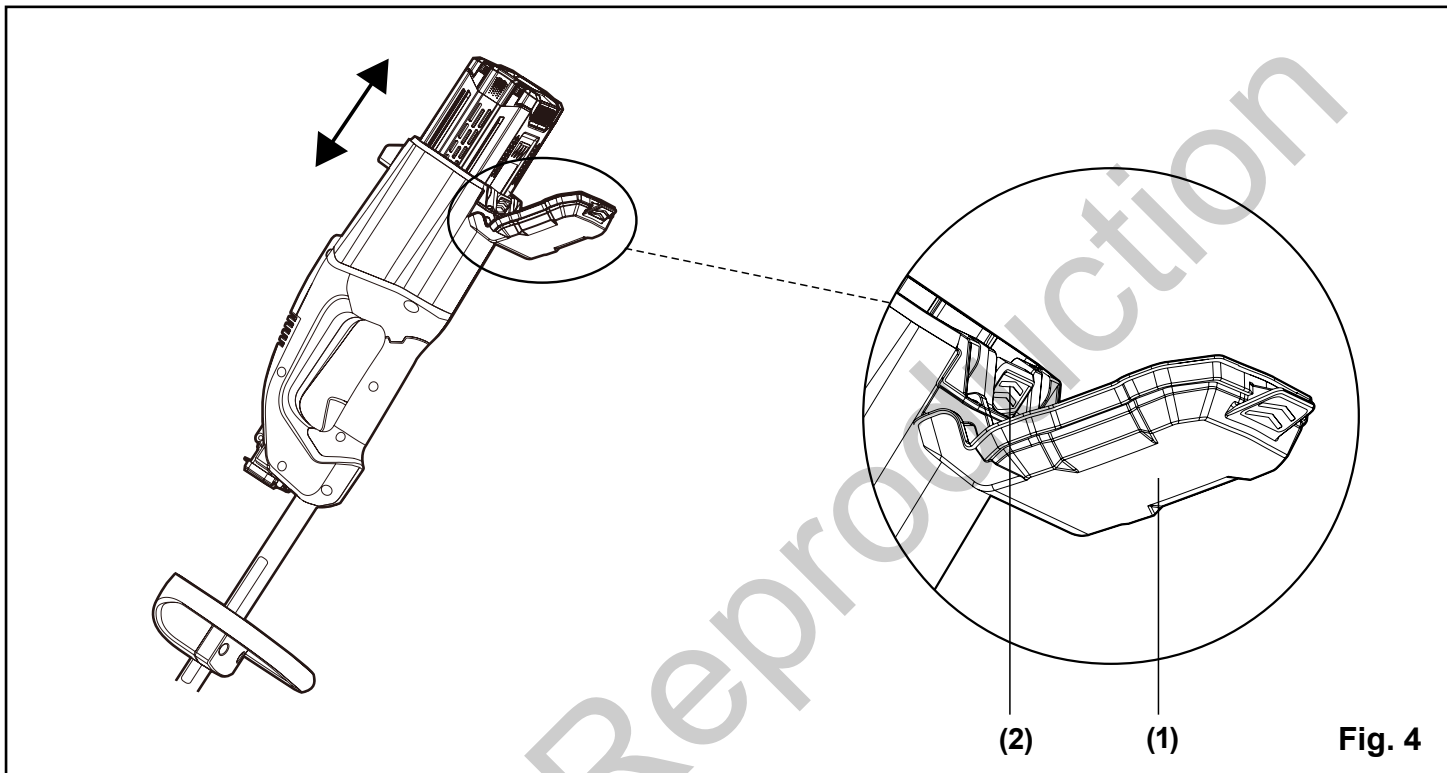
- Align the pin on the handle shaft and the hole on the lower shaft. (Fig. 2)
- Once the two shafts are secured, turn the lock knob clockwise until it is fully tightened. (Fig. 3)



ASSEMBLY

TO INSTALL BATTERY PACK (See Figure 4)

- Open the compartment cover (1) on the top of the snow shovel.
- Align the battery with the cavity in the snow shovel housing.
- Insert the battery until the battery release button (2) locks into place. You should hear a “click” once it is installed.
- Close the compartment cover (1).



TO REMOVE BATTERY PACK (See Figure 4)

- Release the trigger switch. The lock-out button will pop out, and the snow shovel will stop.
- Open the compartment cover (1) on the top of the snow shovel.
- Press the battery release button (2) on the snow shovel. This will cause the battery to raise out of the tool slightly.
- Grasp the tool firmly and pull the battery out of the handle.

ASSEMBLY

ADJUST THE AUXILIARY HANDLE HEIGHT (See Figure 5)

- Loosen the bolts until the auxiliary handle is no longer secured.
- Move the auxiliary handle to the height you prefer, make sure the raised points on the auxiliary handle are aligned with the groove on one side of the handle shaft.
- Once the handle is set to desired setting, tighten the bolts with a phillips screwdriver until auxiliary handle is secured.

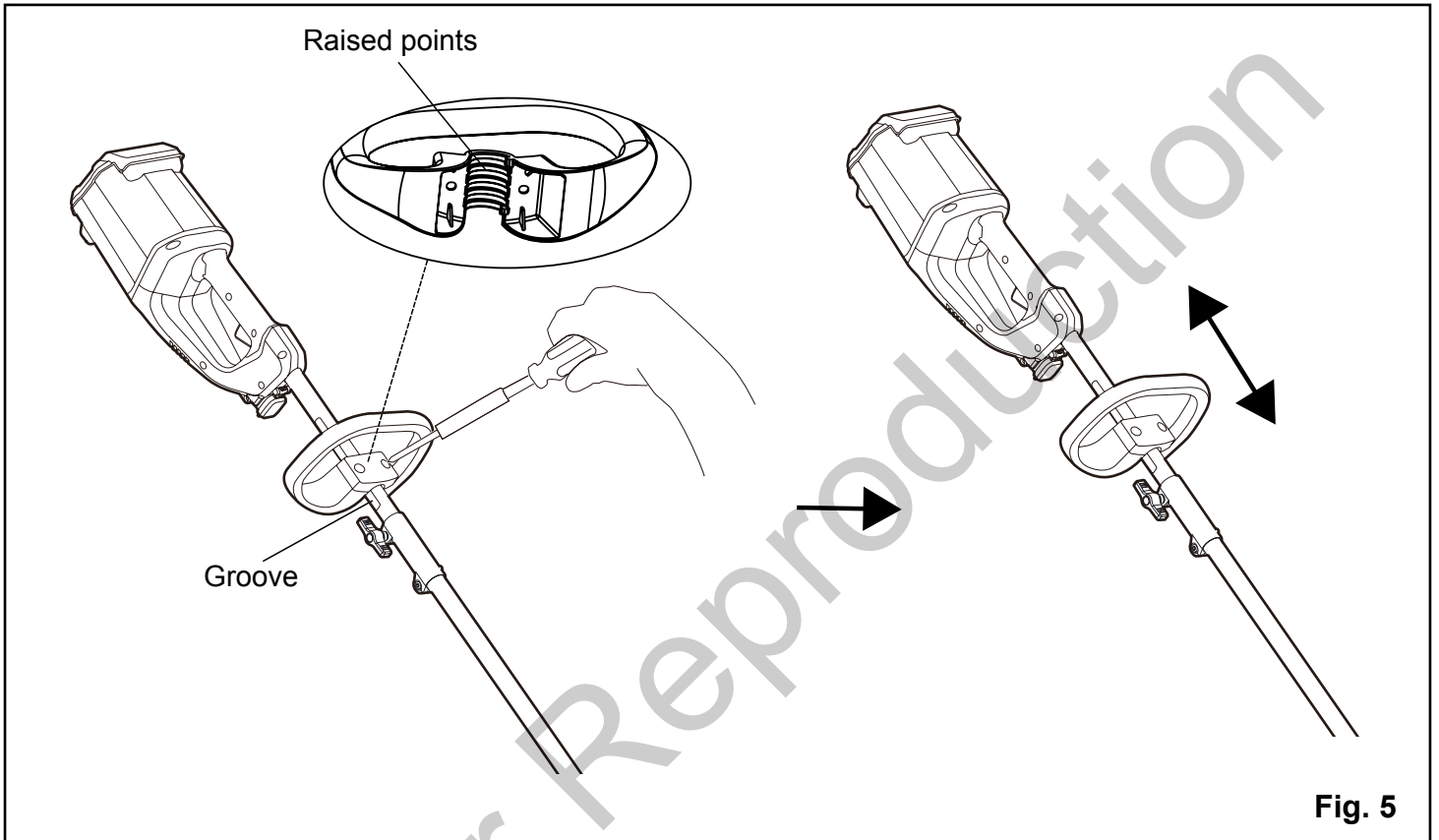


Fig. 5

OPERATION

STARTING THE SNOW SHOVEL (See Figures 6-7)

▲ WARNING

In order to avoid serious injury, the operator and unit must be in a stable position when starting the snow shovel.

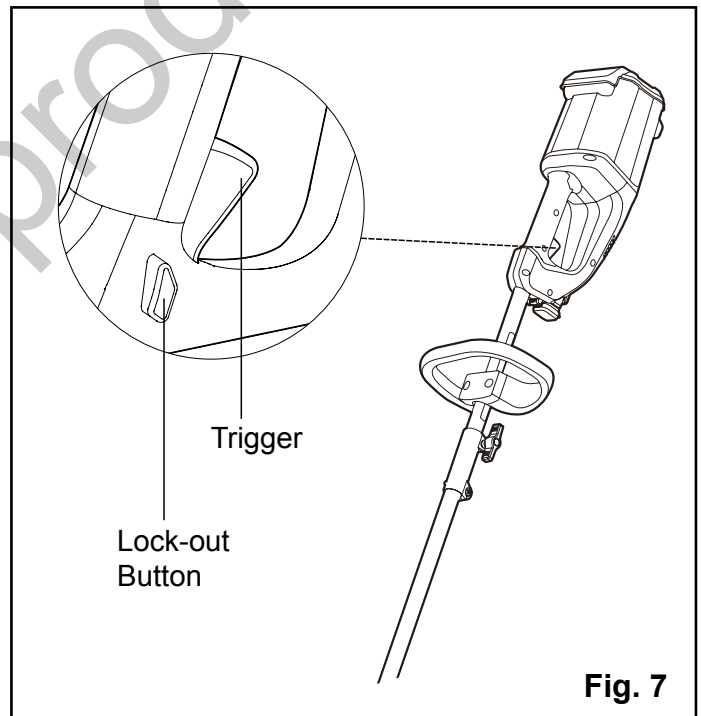
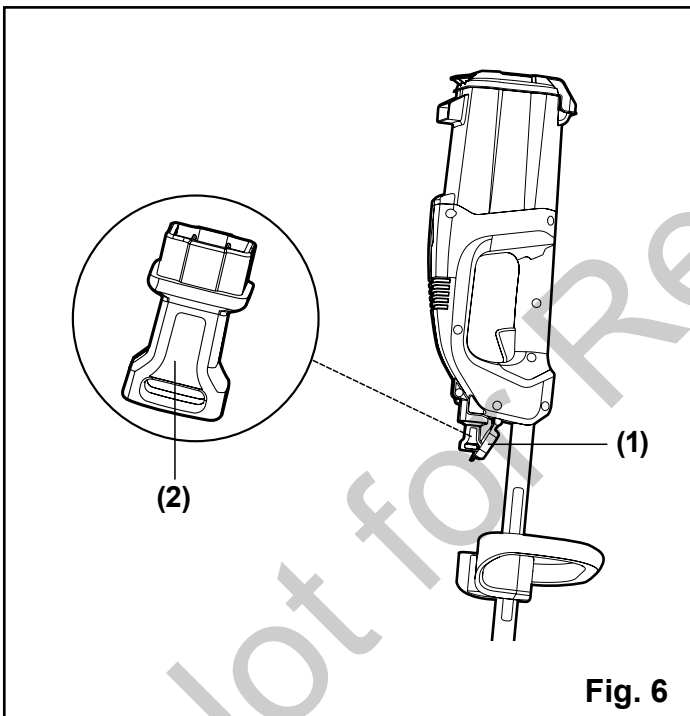
Follow this sequence exactly in order to start the snow shovel.

- Open the small cover (1) for the safety key, and insert the key (2) into the plug.
- Verify that the battery pack is inserted into the battery compartment.
- Press and hold the lock-out button.
- While holding the lock-out button, press and hold the trigger switch.
- Hold the handles and begin to use the snow shovel.

NOTE: The Snow Shovel will not start if the lock-out button is not held until the trigger switch is lifted. Once trigger is pressed and unit is started, release the lock-out button.

STOPPING THE SNOW SHOVEL (See Figure 7)

- Release the trigger switch.
- The lock-out button will pop out, and the snow shovel will stop.



OPERATION

USING THE SNOW SHOVEL (See Figure 8)

- Start the snow shovel by following the Starting Instructions. The depth and weight of the snow will determine the forward speed.
- Push the snow shovel forward so that it rides on the scraper.



BATTERY & CHARGER

CHARGING PROCEDURE

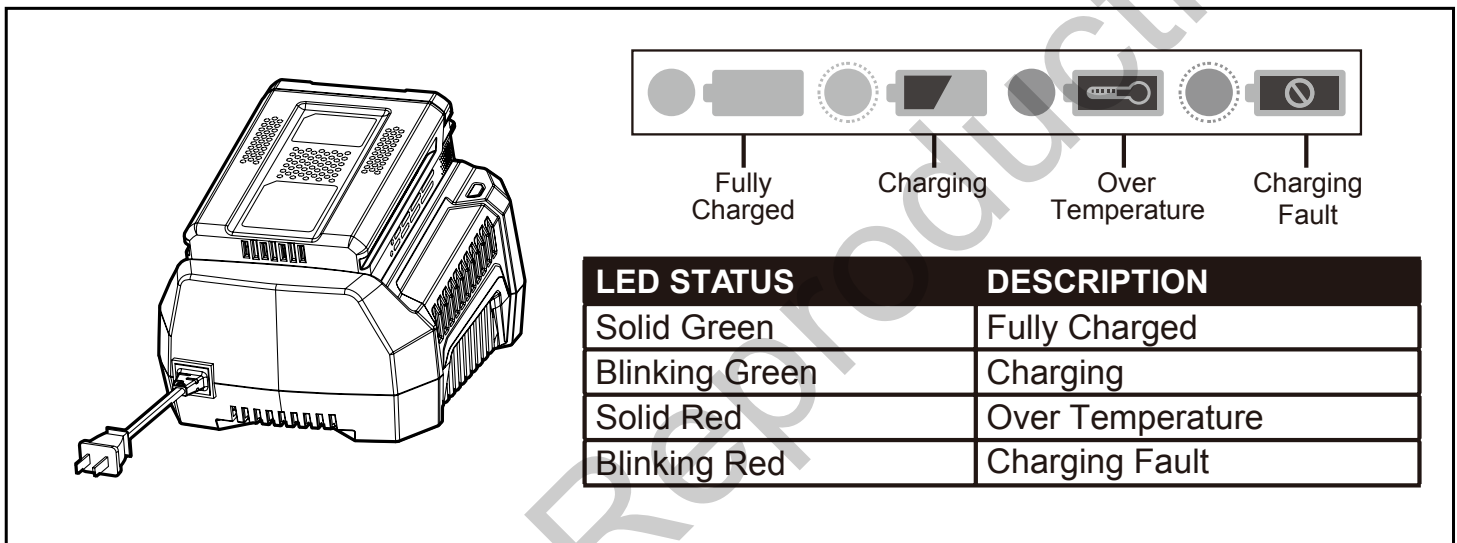
NOTE: The battery is not shipped fully charged. It is recommended to fully charge before first use to ensure that maximum run time can be achieved. This lithium-ion battery will not develop a memory and may be charged at any time.

Low voltage charging:

If the battery has been stored with little to no charge for a long period of time, the charger will go into recovery mode, which will take 20 hrs to fully charge the battery. This will enhance the life of the battery. Once it is fully charged, the next charge will return to standard charging.

1. Plug the charger into an AC power outlet.
2. Insert the battery pack into the charger.

This is a diagnostic charger. The Charger LED Lights will illuminate in specific order to communicate the current battery status. They are as follows:



The diagram shows a perspective view of the battery charger on the left. On the right, a horizontal bar contains four LED status indicators, each with a label below it: a solid green circle for 'Fully Charged', a blinking green circle for 'Charging', a solid red circle for 'Over Temperature', and a blinking red circle for 'Charging Fault'. Below this bar is a table with two columns: 'LED STATUS' and 'DESCRIPTION'.

LED STATUS	DESCRIPTION
Solid Green	Fully Charged
Blinking Green	Charging
Solid Red	Over Temperature
Blinking Red	Charging Fault

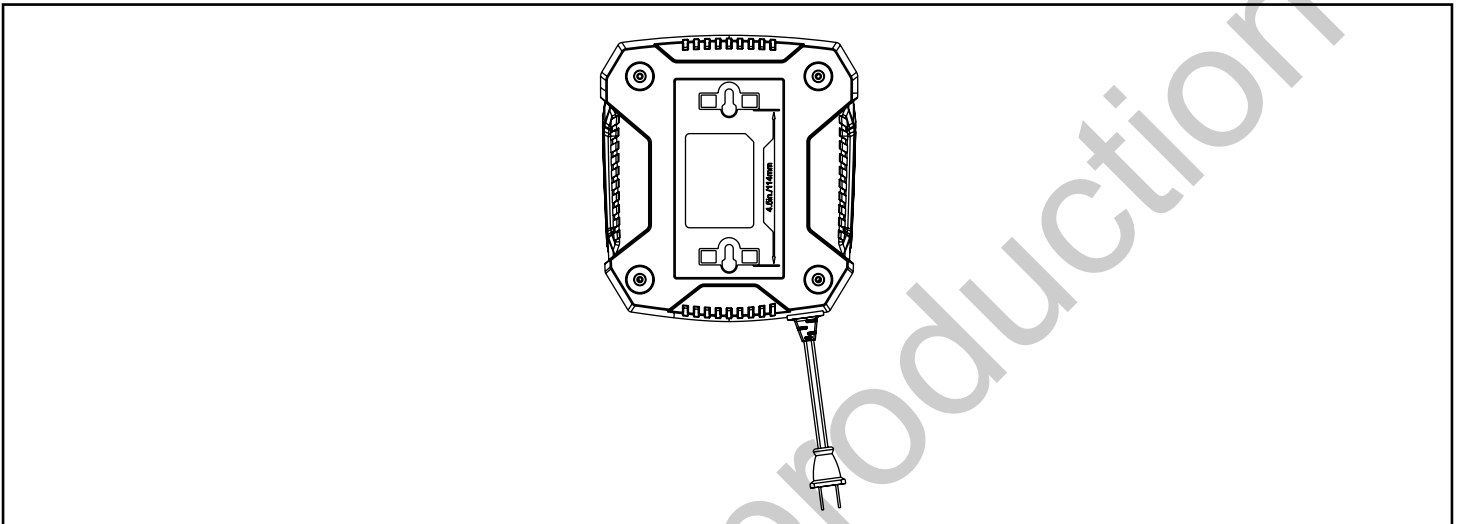
False defect note:

When the battery is inserted into the charger and the status LED blinks RED, remove the battery from the charger for 1 minute, then reinsert. If the status LED blinks GREEN, then the battery is properly charging. If the status LED is still blinking RED, remove the battery and unplug the charger for 1 minute. After 1 minute, plug in the charger and reinsert the battery. If the status LED blinks GREEN, then the battery is properly charging. If the status LED is still blinking RED, the battery is defective and needs to be replaced.

BATTERY & CHARGER

CHARGER MOUNTING

1. This charger can be installed hanging on a wall using two #8 screws (not included).
2. Locate the placement for the charger to be wall mounted.
3. If fastening to wood studs use 2 wood screws (not included).
4. Drill two holes on center 4.5 in. apart ensuring that they are vertically aligned.
5. If fastening to drywall use wall anchors (not included) and screws to secure the charger to the wall.
6. This power unit is intended to be correctly orientated in a vertical or floor mount position.



NOTE: If the battery and the charger won't be used for a long time, remove the battery from the charger and pull out the AC power plug.

MAINTENANCE

▲ W A R N I N G

To avoid risk of fire, electric shock, or electrocution:

- Do not use a damp cloth or detergent on the battery or battery charger.
 - Always remove the battery pack before cleaning, inspecting, or performing any maintenance on the snow shovel.
-

Cleaning

- In order to avoid serious personal injury, turn the snow shovel off and remove battery before cleaning or servicing.
- Use a small brush to clean the outside of the snow shovel. Do not use strong detergents. Household cleaners that contain aromatic oils such as pine and lemon, and solvents such as kerosene can damage the plastic housing and handles. Wipe off any moisture using a soft cloth.

Storage

- Allow the motor to cool down before storing.
- Store the snow shovel in a locked location in order to prevent unauthorized use or damage.
- Store the snow shovel in a dry, well-ventilated area.
- Store the snow shovel out of the reach of children.

Battery Pack

- Store the battery pack fully charged.
- Once the charging light turns green, remove the battery from the charger.
- Do not store the battery pack on the tool.
- After charging, the battery pack may be stored in the charger, as long as the charger is not plugged in.

Charger Maintenance

- Keep the charger clean and clear of debris. Do not allow foreign material to get into the recessed cavity or onto the contacts. Wipe the charger clean with a dry cloth. Do not use solvents or water, and do not place the charger in wet conditions.
- Unplug the charger when there is no battery pack in it.
- Fully charge the batteries before placing them in storage.
- Store the charger at normal room temperature. Do not store it in excessive heat. Do not use the charger in direct sunlight.

MAINTENANCE

SERVICING

Servicing should be performed by a qualified technician. Replacement parts for this snow shovel must be identical to the parts that they replace. If repairs are necessary, contact the Toll-Free Helpline, at 1-800-317-7833.

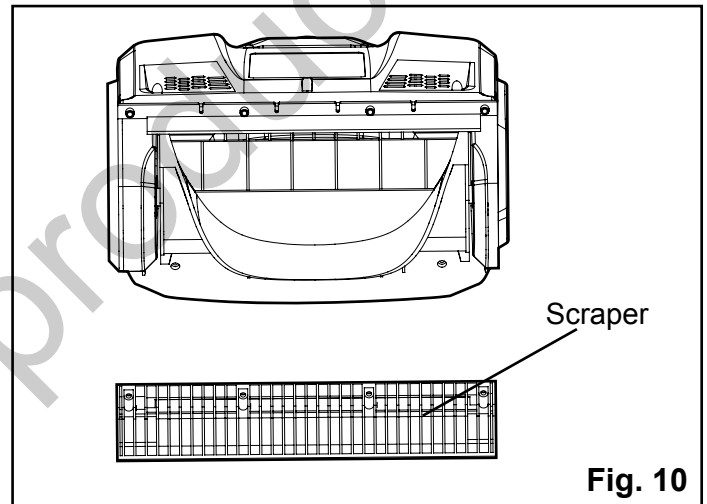
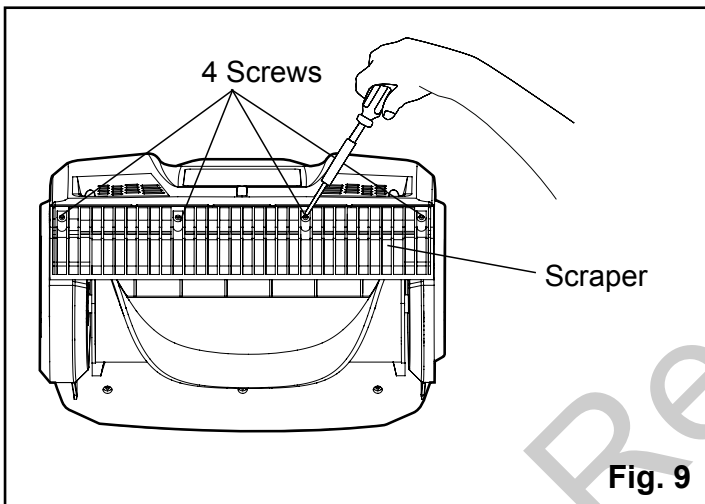
REPLACING THE SCRAPER (See Figures 9-10)

⚠ WARNING

In order to avoid serious personal injury, turn the snow shovel off and remove battery before performing any maintenance.

Use only the manufacturer's original replacement parts.

- Place the snow shovel on the ground or on a work bench. Position the snow shovel so that the impeller is facing up.
- Remove the four screws that are located beneath the impeller that secure the scraper to the housing using a phillips screwdriver. (Fig. 9)
- Remove the scraper, and discard it in the proper manner. (Fig. 10)
- Snap the new scraper into position, and attach it to the snow shovel by reinstalling the four screws.



ENVIRONMENTALLY SAFE BATTERY DISPOSAL

The following toxic and corrosive materials are in the batteries used in this tool battery pack: **Lithium-Ion, a toxic material.**



▲ W A R N I N G

Toxic materials must be disposed of in a specified manner in order to prevent contamination of the environment. Before disposing of damaged or worn out Lithium-Ion battery packs, contact your local waste disposal agency for information and specific instructions. Take the battery to a local recycling and/or disposal centre that is certified for disposal. If the battery pack cracks or breaks, whether it leaks or not, do not recharge it and do not use it. Dispose of it and replace it with a new battery pack. **DO NOT ATTEMPT TO REPAIR IT!**

Follow these instructions in order to avoid injury and the risk of fire, explosion, or electric shock, and to avoid damage to the environment:

- Cover the battery's terminals with heavy-duty adhesive tape.
 - Do not attempt to remove or destroy any of the components of the battery pack.
 - Do not attempt to open the battery pack.
 - If a leak develops, the electrolytes that are released are corrosive and toxic. Do not get the solution in the eyes or on the skin, and do not swallow it.
 - Do not place batteries in regular household trash.
 - DO NOT incinerate batteries.
 - DO NOT place batteries where they will become part of any waste landfill or municipal solid waste stream.
 - Dispose of batteries at a certified recycling or disposal center.
-

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
The snow shovel does not start.	The battery is not charged.	Charge the battery by following the procedures in the battery and charger manual or this manual.
	The lock-out button or trigger switch were not used properly.	Press and hold the lock-out button, while holding the lock-out button, press the switch trigger (See Figure 7).
	Battery is too cold.	Remove battery from snow shovel. Place battery on charger and allow to charge for 10 minutes. Remove from charger and install in Snow shovel for use.
	The battery is not fully inserted into the housing.	Check if the battery is fully inserted into the housing.
The motor is on, but the rotor does not turn.	The belt is damaged.	Call for technical service.
The snow shovel leaves a thin layer.	The scraper is worn.	Replace the scraper (See Figure 9-10).

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