



22" ELECTRIC SNOWBLOWER OWNER'S MANUAL



120V • 60Hz • 15 AMP



**READ AND FOLLOW ALL SAFETY RULES AND
OPERATING INSTRUCTIONS BEFORE USING
THIS PRODUCT.**



**WEAR ANSI Z87.1
APPROVED EYE
PROTECTION**



**WEAR EAR
PROTECTION**

PRODUCT SPECIFICATIONS

Motor:	120 V, 60 Hz, 15 A
Paddle speed:	up to 2,700 RPM
Clearing width:	22" (56 cm)
Clearing depth:	12" (30.5 cm)
Discharge distance:	up to 30' (9 m)
Plowing capacity (Max):	25 tons (25,000 kg) per hour
LED light:	3 W
Impeller size:	8" (20 cm)
Wheels:	7" (18 cm)
Weight:	36 lb 8 oz (16.68 kg)

Need Assistance?

For problems or questions, DO NOT RETURN TO STORE. Please contact one of our Customer Service Agents who would be happy to assist you.

For Customer Assistance Please Call: 1-833-818-4111

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SAFETY INFORMATION

FOLLOW THESE RULES WHILE OPERATING THE SNOWBLOWER

- Walk. Do not run.
- Verify that the snowblower is not in contact with anything before turning it on.
- Stay away from paddle openings at all times. Keep face, hands, and feet away from concealed, moving, or rotating parts.
- Be attentive when using the snowblower. 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 snowblower 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 snowblower 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 snowblower 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 snowblower in daylight or in good artificial light.
- To avoid accidental start-ups, remain in the starting position when turning the snowblower on. The operator and the power tool must be in a stable position during start-up. See the section titled Powering On and Off, page 12.
- Use this power tool only for the purposes it was designed.
- Hold the snowblower 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 snowblower thoroughly before attempting to use it.
- Keep the paddle clear of debris.
- Do not attempt to clear the impeller while the motor is running.
- If the snowblower starts to vibrate abnormally, stop the snowblower immediately and attempt to determine the cause. Vibration is generally an indication of danger.
- Do not use on gravelled surface unless the snowblower 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 jewellery. They can be caught in moving parts.
- Wear rubber boots when operating the snowblower. Always wear substantial footwear.



WARNING: Read the operating and service instruction manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment.

- Keep guards in place and in working order.
- Don't force the snowblower – 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 snowblower strikes a foreign object, follow these steps:
 - i) Stop the snowblower. Release the switch.
 - ii) Unplug power cord.
 - iii) Inspect for damage.
 - iv) Repair any damage before restarting and operating the snowblower.
- Store snowblower indoors – When not in use, power tools should be stored indoors in a dry, locked-up place out of reach of children.
- Maintain snowblower with care – Follow instructions for lubricating and changing accessories.
- Allow the snowblower 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 snowblower. The use of nonidentical or accessories could lead to serious injury to the user or damage the snowblower, and will void the warranty.
- Do not pick up the snowblower while it is running. The snowblower is designed to travel along the ground.
- Never allow children to operate a snowblower. 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 paddle when crossing gravel driveways, walkways, or roads.
- To prevent disconnection of the power cord from the extension cord during operation. Refer to the section entitled Using the Cord Retainer.
- Avoid accidental starting – Don't carry a plugged in snowblower with your finger on the switch. Be sure switch is off when plugging in.
- If the cord is damaged in any manner while it is plugged in, disconnect it from the outlet immediately.
- Do not abuse the cord. Do not carry the snowblower by the power cord or yank the cord in order to disconnect it from the receptacle.
- Disconnect the snowblower from the power supply when: not in use, before servicing, and when changing accessories.

GENERAL SAFETY RULES

- Verify that the snowblower is secure while transporting.
- Store the snowblower 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 snowblower after each use. Refer to Maintenance section in this manual for more information.
- If the labels on the snowblower become defaced or start to lift off, contact the toll-free helpline at 1-833-818-4111.
- 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 snowblower must read these instructions carefully.
- Maintain the snowblower with care. Follow the instructions for lubricating and changing accessories.



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

ELECTRICAL

DOUBLE INSULATION

Double insulation is a concept in safety in electric snowblower which eliminates the need for the usual three-wire grounded power cord. All exposed metal parts are isolated from the internal metal motor components with protecting insulation. Double insulated snowblower do not need to be grounded.



WARNING: Servicing of a product with double insulation requires extreme care and knowledge of the system and should be performed only by a qualified service technician.

For service, we suggest you return the product to your nearest authorized service centre for repair. Always use identical factory replacement parts when servicing.

EXTENSION CORDS

When using a snowblower at a considerable distance from a power source, be sure to use an extension cord that has the capacity to handle the current the product will draw. An undersized cord will cause a drop in line voltage, resulting in overheating and loss of power. Use the chart to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriter's Laboratories (UL) should be used.

**Ampere rating (on product data plate)

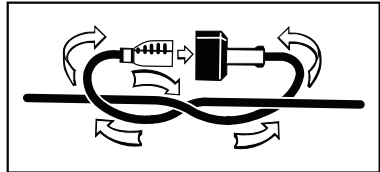
	0-2,0	2,1-3,4	3,5-5,0	5,1-7,0	7,1-12,0	12,1-16,0
Cord Length	Wire Size (A.W.G.)					
25' (7,6 m)	16	16	16	16	14	14
50' (15 m)	16	16	16	14	14	12
100' (30 m)	16	16	14	12	12	—

**Used on 12 gauge - 20 amp circuit.

NOTE: AWG = American Wire Gauge

When working outdoors with a product, use an extension cord that is designed for outside use. This type of cord is designated with "WA" on the cord's jacket.

Before using any extension cord, inspect it for loose or exposed wires and cut or worn insulation. It is possible to tie the extension cord and power cord in a knot to prevent them from becoming disconnected during use. Make the knot as shown in the figure at right, then connect the plug end of the power cord into the receptacle end of the extension cord. This method can also be used to tie two extension cords together.



⚠ WARNING: The double-insulated system is intended to protect the user from shock resulting from a break in the snowblower's internal insulation. Observe all normal safety precautions to avoid electrical shock.

- Inspect the extension cord and the power cord on a regular basis. Look for deterioration, cuts, or cracks in the insulation. Inspect the connections for damage. Repair or replace the extension cord or the power cord if any damage is found.
- Verify that the paddle and all moving parts have come to a complete stop, and disconnect the snowblower from the power supply in order to prevent accidental start-ups, before cleaning or performing any inspections or repairs.
- Do not abuse the extension cord. Do not carry the snowblower by the power cord or pull on the cord in order to disconnect it from the receptacle.
- Keep the extension cord away from heat, oil, and sharp edges in order to prevent damage.
- If the extension cord is damaged in any manner while it is plugged in, disconnect it from the outlet immediately.
- Prevent any possible disconnection of the power cord from the extension cord while the snowblower is in use by using the cord retainer. Refer to the section entitled Using the Cord Retainer.
- Unplug the snowblower and allow it to cool down before putting it into storage. Store the snowblower indoors.
- Unplug the snowblower when it is not in use and before performing any maintenance or repairs.

⚠ WARNING: Keep the extension cord clear of the working area. Position the cord so that it will not get caught on obstacles while you are operating the snowblower. Failure to do so can result in serious personal injury.

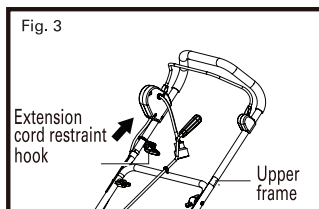
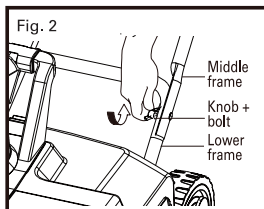
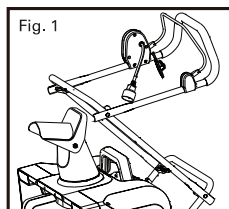
SAVE THESE INSTRUCTIONS!

ASSEMBLY

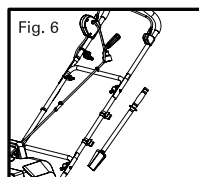
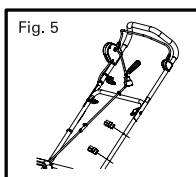
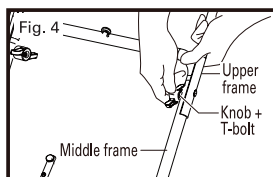
GETTING STARTED

1. Remove the snowblower and all other items from the box.
2. Determine the left and right hand side of the snowblower by standing in the normal operating position.
3. Check all items for shipping damage. If damage is found or suspected or if any of the parts are missing, do not assemble. Instead, promptly inform the dealer where you bought the snowblower or contact at 1-833-818-4111 for assistance.
4. Check to make sure the upper chute crank is included.

ASSEMBLING THE HANDLE

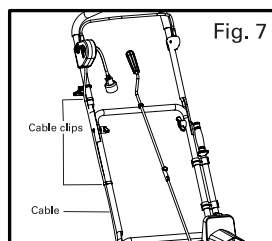


1. For easy assembly, the unit comes complete with most parts already connected. To complete the handle assembly, please follow the steps below. For storage, you can fold the handle as (Fig. 1).
2. Secure the connection of the lower frame to the middle frame by fastening the first set of joint fixing T-bolts and knobs on each side.
3. Before securing the upper frame, slide the extension cord restraint hook up the upper frame (Fig. 3).
4. Secure the connection of the upper frame to the middle frame by fastening the second set knobs and bolts on each side (Fig. 4).

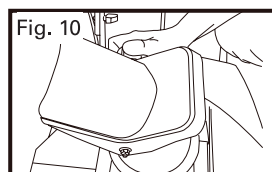
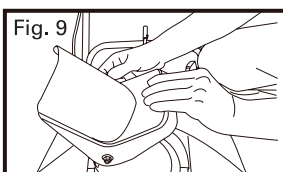
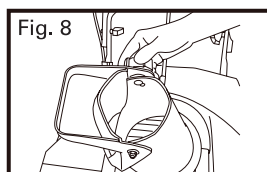


5. Clip the 2 chute clean-out tool clips on the side of the middle frame, and insert the chute clean-out tool in the clips (Figs. 5 - 6).

6. Clip on the 2 cable clips on the frame, and insert the cable inside of the cable clips (Fig. 7).

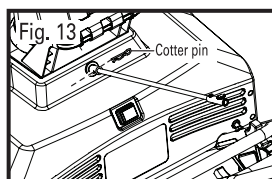
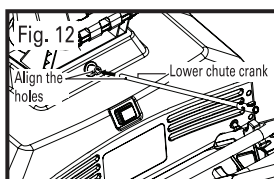
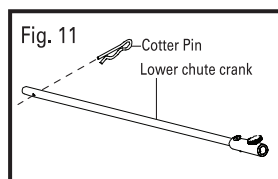


DISCHARGE CHUTE ASSEMBLY

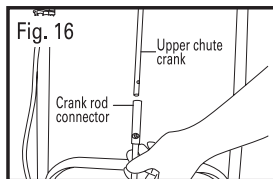
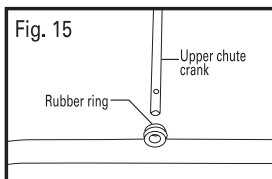
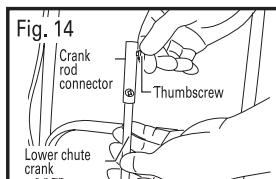


1. Loosen the knob to lift the chute deflector.
2. Lift the chute deflector and lock it securely onto the discharge chute.
3. Raise or lower the chute deflector to the desired height of the snow stream and tighten the knob. **NOTE!** Do not overtighten the knob.

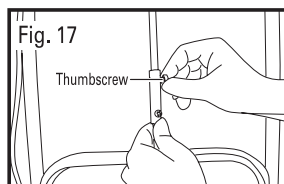
CHUTE CRANK ASSEMBLY



1. Remove the cotter pin from the lower chute crank (Fig. 11).
2. Install the lower crank rod by inserting it into the opening at the back of the housing with holes aligned (Fig. 12).
3. Secure the lower chute crank in place with the cotter pin (Fig. 13).



4. Remove the thumbscrew on the crank rod connector by hand (Fig. 14).
5. Slide the upper chute crank through the rubber ring located on the middle frame (Fig. 15).
6. Slide the upper chute crank into the crank rod connector (Fig. 16).
7. Align the screw holes and tighten the thumbscrew by hand (Fig. 17).



NOTE: Before using this machine, make sure that the power source you will use complies with the specifications detailed in this manual. Before inserting the plug into the socket, verify that the snowblower's roll shaft and rubber plates are firmly secured with screws, and that the rubber plates are facing the correct direction. Perform a test run to ensure that the rotor turns freely.

SECURING THE EXTENSION CORD



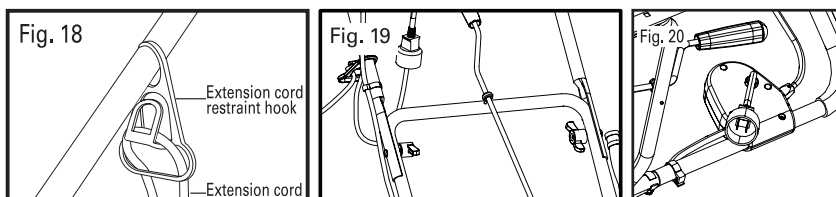
WARNING: Electric shock may cause **SEVERE INJURY** or **DEATH**.

- **Do not allow any part of snowblower to make contact with water while powered on. If the snowblower becomes wet while turned off, wipe dry before starting.**
- **Use only a UL, CSA, or ETL rated extension cord for outdoor, all weather use. Do not use an extension cord over 100 ft (30 m).**
- **Do not touch the appliance or its plug with wet hands or while standing in water. Wearing rubber boots offers some protection.**

EXTENSION CORD CHART

Cord length is:	50 ft (15 m)	100 ft (30 m)
Wire gauge is:	14 AWG	12 AWG

1. For safe and efficient use of your snowblower, use only a UL-rated extension cord recommended for outdoor use.



2. Push the loop of the extension cord through the slot from the opposite side of the restraint hook. Position the loop over the hook and pull the cable back through the slot (Fig. 18).

3. Insert the female end of the extension cord into the appliance's polarized male plug (Fig. 19).

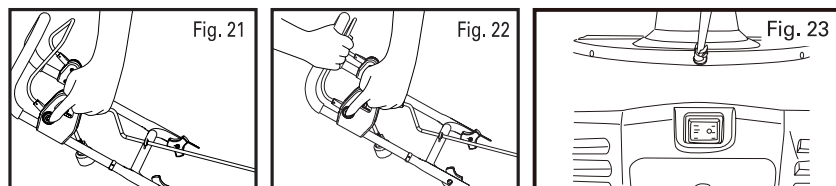
4. Note that the snow blower has a polarized male plug – one prong in the plug is slightly longer and wider than the other (Fig. 20). The extension cord female end should be likewise polarized so that the extension cord fits snugly into the snow blower plug.



WARNING: Damaged electrical cords present risk of fire, electrical shock, and serious bodily injury. Before operating the snow blower, carefully examine the electrical cord. If the cord is damaged, do not use the snow blower. Replace or repair the damaged cord immediately.

OPERATION

POWERING ON AND OFF



1. To power on, depress and hold the safety switch button found alongside the switch housing (Fig. 21).

2. While depressing the safety switch button, pull the ON/OFF switch bail toward you. Once the machine powers on, release the safety switch button and begin operation (Fig. 22). The machine can only be started by depressing the safety switch button first, followed by squeezing the ON/OFF switch bail; reverse operation will not start the machine.

3. To power off, release your grip on the ON/OFF switch bail.

4. The LED light can be used to illuminate the surface in front in the dark. To use the light, turn on the light switch located on the back side of the snow blower (Fig. 23).



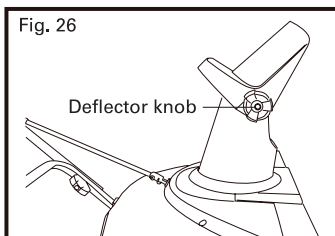
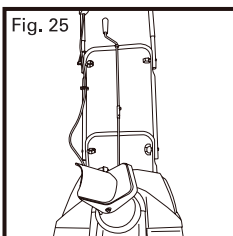
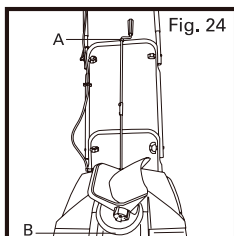
NOTE: The light will only turn ON when the snowblower is running. After finishing your work session, REMEMBER to TURN OFF the light switch.

MOVING THE MACHINE & PLOWING THE SNOW

WARNING: Foreign objects, such as rocks, broken glass, nails, wire, or string, can be picked up and thrown by the snowblower, causing serious personal injury. Remove all foreign objects from the area to be plowed before operating the snowblower.

1. Keep the area of operation free of foreign objects that can become thrown by the rotating paddle. Perform a thorough inspection of the area since some objects may be hidden from view by surrounding snow. If the snowblower hits an obstruction or picks up a foreign object during use, stop the snowblower, disconnect the extension cord, remove the obstruction, and inspect the unit for damage. Repair or replace any damaged part before restarting and operating the unit.
2. Keep children, pets, and bystanders away from the area of operation. Be aware that the normal noise of the machine when turned on may make it difficult for you to hear approaching people.
3. When moving the snowblower, use the wheels on one side as the pivot point. Slightly tilt the snowblower on this pivot point to move it forward or backward.
4. Start your clearing path near the electrical outlet and work outward, throwing snow in a back and forth motion. To clear in the opposite direction, step over the cord and pivot the snowblower on its wheels. Make sure to overlap clearing paths.
5. Note the wind direction. If possible, move in the same direction as the wind so that the snow is not thrown against the wind (and then back into your face and onto the just cleared path).
6. While moving the snowblower, do not drag the power cable violently or roughly. The snowblower should move within the range that the cable can reach.
7. Do not push the snowblower with excessive force. You should push the machine gently and evenly in accordance with the unit's throw rate.
8. Do not apply additional man-made load to the engine since this may cause engine damage.
9. Some parts of the snowblower may freeze under extreme temperature conditions. Do not attempt to operate the snowblower with frozen parts. If the parts freeze while the snowblower is in use, stop the snowblower, unplug the extension cord, and inspect for frozen parts. Free all parts before restarting or operating the snowblower. Never force controls that have frozen.
10. When working on pebbles, gravel, or unpaved surfaces, avoid throwing loose surface material along with the snow by pushing down on the handle to raise the scraper bar at the base of the unit above the pebbles or gravel.

CHANGING THROW DIRECTION AND THROW HEIGHT



1. The discharge chute can be adjusted 180 degrees by rotating the chute crank. Rotate the chute control crank clockwise to move the discharge chute to the left (Fig. 24) and counterclockwise to move the chute to the right (Fig. 25).



NOTE: A little lubricant, such as WD-40, will provide a smoother operation of the chute (spray at points A and B as indicated in Fig. 24).

2. The chute deflector on the top of the discharge chute controls the height of the snow stream. Loosen the knob to raise or lower the deflector to the desired height of snow you wish to throw. Tighten the knob to secure the deflector (Fig. 26).



WARNING: Never direct the snow discharge chute at the operator, at bystanders, at vehicles, or at nearby windows. The discharged snow and foreign objects accidentally picked up by the snow blower can cause serious damage and personal injury. Always orient the discharge chute in the opposite direction from where you, bystanders, surrounding vehicles, or windows are located.



WARNING: Make sure that the chute deflector snaps and locks completely onto the discharge chute. An opening between the discharge chute and the chute deflector may allow foreign objects to be picked up by the snow blower and thrown in the direction of the operator causing serious bodily injury. Do not advance the chute deflector too far forward causing an opening to appear between the deflector and discharge chute. Do not overtighten the knobs on the chute deflector (Fig. 26).

MAINTENANCE

SERVICING

Servicing should be performed by a qualified technician. Replacement parts for this snow blower must be identical to the parts that they replace. If repairs are necessary, contact the toll-free helpline at: 1-833-818-4111.

STORAGE

- Allow the engine to cool completely before cleaning, storing, or transporting the snowblower. Be sure to secure the unit while transporting.
- Disconnect the extension cord from the snowblower. Inspect the extension cord closely for signs of wear or damage. Replace it if it is worn or damaged.
- Run the snowblower for a few minutes in order to melt any snow that may be left on the snowblower.
- Wipe the snowblower off with a dry cloth before storage. This will help prevent ice building up on the unit and parts freezing.
- Inspect the snowblower thoroughly for worn, loose, or damaged parts. If any parts must be repaired or replaced, contact the toll-free helpline at: 1-833-818-4111.
- Store the snowblower in a clean, dry place. Cover it in order to provide added protection.



NOTE: Identify the left and right sides of the snowblower when standing in the normal operating position.

LIFETIME LUBRICATION (MOTOR AND PADDLE)

Lubrication is not necessary and may damage the unit. The snowblower is lubricated for lifetime use at the factory before shipment.

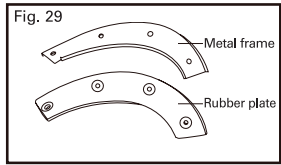
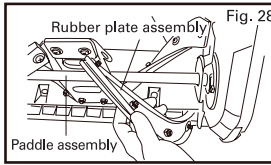
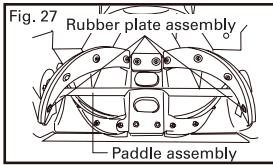
GENERAL MAINTENANCE TIPS

1. Do not attempt to repair the machine unless you have the proper tools and instructions for disassembly and repair of the machine.
2. Check bolts and screws at frequent intervals for proper tightness to ensure that the equipment is in safe working condition.
3. After each snow removal session, run the snowblower for a few minutes to prevent the collector/paddle from freezing. Shut off the motor, wait for all revolving parts to stop completely, and wipe residual ice and snow off the unit. Rotate the chute crank several times to remove any excess snow.

REPLACING THE RUBBER PLATES



NOTE: When replacing worn rubber plates, pay close attention to carefully distinguish between the coarse and smooth side of the plates. Place the coarse side inside and the smooth side outside.

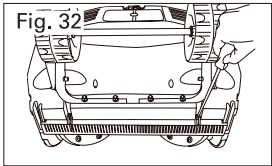
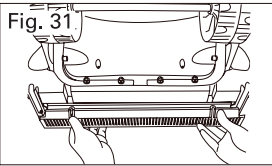
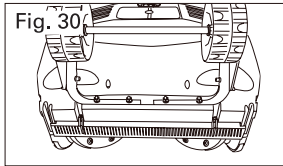


1. Detach the worn rubber plate assembly by removing the two sets of nuts and bolts used to secure it to the paddle assembly (Figs. 27 & 28).
2. Loosen the middle two sets of nuts and bolts to detach the worn rubber plate from the metal frame (Fig. 29).
3. Attach the new rubber plate onto the metal frame by replacing and tightening the middle two sets of nuts and bolts (Fig. 29).
4. Reassemble the rubber plate assembly to the paddle assembly by replacing and tightening the two sets of nuts and bolts used to secure it (Figs. 20 & 21).



WARNING: Make sure to turn off the switch and disconnect the extension cord before performing any maintenance task on your snowblower.

REPLACING THE SCRAPER BAR



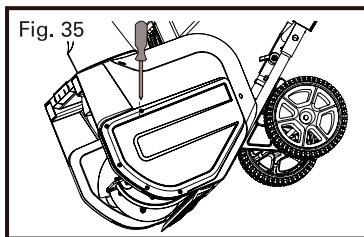
1. The scraper bar is located at the base of the snowblower beneath the rotor housing (Fig. 30).
2. Detach the worn scraper bar from the snowblower by removing the two screws that hold it in place (Fig. 31).
3. Install the new scraper bar and fasten it securely to the snowblower with the two screws (Fig. 32).

REPLACING THE BELT AND PULLEY



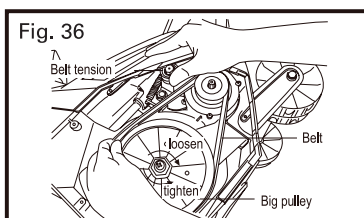
NOTE: Determine the left and right hand side of the snowblower by standing behind the unit in the normal operating position.

1. Remove the screws from the left panel of the snowblower and remove the left panel (Fig. 35).



2. Lift the belt tension pulley and roll the worn belt up and off the big pulley from the top of the big pulley (Fig. 36).

3. To replace the big pulley, remove the screw and washer from the middle of the pulley. While securing the paddle, so it does not spin, use a $\frac{7}{8}$ -inch socket to turn the outer nut of the pulley clockwise (the pulley is left-handed, so loosening and tightening occur in reverse orientation; clockwise to loosen and counterclockwise to tighten). Once the old pulley is removed, replace the big pulley and tighten the outer nut counterclockwise with the $\frac{7}{8}$ -inch socket. Replace and tighten the screw and washer (Fig. 35).



NOTE: Heavy wet snow puts a load on belts, thus requiring more frequent belt replacement.

4. To install the new belt, lift the belt tension and roll the new belt onto the little pulley at an angle. Then roll the belt onto the top of big pulley by rotating the big pulley counterclockwise as the belt grips the top of the big pulley (Fig. 36).

5. Replace the left panel of the snowblower with all screws (Fig. 35).

AUTOMATIC RESET

This snowblower has built-in automatic reset functions. In the event of a major obstruction that halts paddle movement, simply unplug your unit, clear the paddle obstruction, wait 60 seconds, and then resume use of your machine.

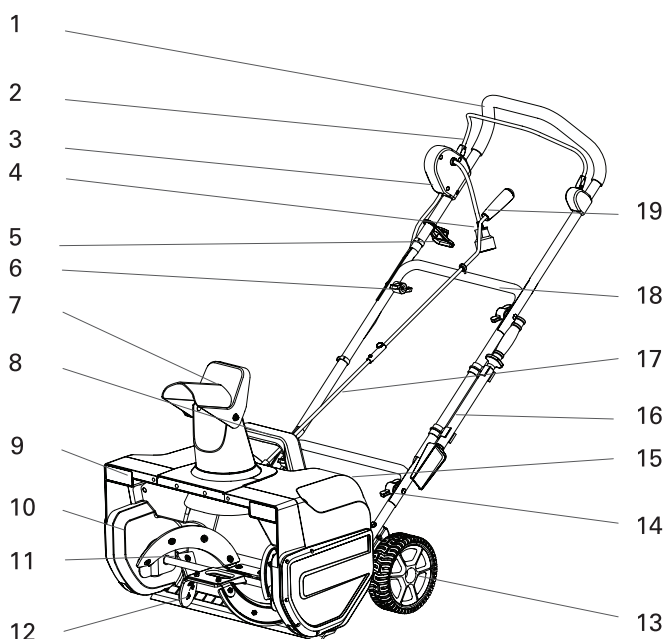
SAFETY SYMBOLS

V	Voltage
A	Current
Hz	Frequency (cycles per second).
W	Power
min	Time
no	Rational speed, at no load.
	Double-insulated construction.
/min	Revolutions, strokes, surface speed, orbits etc., per minute.
	SAFETY ALERT – Indicates a precaution, a warning, or a danger.
	WARNING! Do not expose the unit to rain or wet conditions. Keep dry.
	To reduce the risk of injury user must read and understand operator's manual before using this product.
	Always wear safety goggles or safety glasses with side shields, and as necessary a full face shield as well as full ear protection when operating this product.
	Stop the machine before leaving the machine. The rotating part will continuously run for several seconds after you turn off the machine.
	Thrown objects can ricochet and result in personal injury or property damage.
	Danger – Keep hands and feet away from openings while the machine is running.
	Do not use hands to unclog chute. Stop motor and unplug the machine before removing debris.
	Keep all bystanders and domestic animals a safe distance away from the work area.
	Keep hands away from moving parts.
	Keep hands and feet away from rotating parts.

	Keep hands away from the moving parts of the snowblower. The rotating parts can cause severe bodily injury.
	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.
	Wear safety gloves during use to protect hands. Wear safety footwear at all times to provide protection against objects that may accidentally fall on feet.
	WARNING! Electrical shock hazard.
	Keep the flexible power supply cord away from the rotating paddle.
	WARNING! Turn the machine OFF and disconnect it from the power supply before inspecting, cleaning, changing accessories or conducting any other maintenance task.

KNOW YOUR 22" ELECTRIC SNOW THROWER

- 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 1-833-818-4111 for assistance.



- | | |
|--|--------------------------|
| 1. Handle bar | 11. Paddle |
| 2. Bail lever | 12. Scraper bar |
| 3. Safety switch button | 13. Wheel |
| 4. Power cord | 14. Lower frame |
| 5. Cable restraint holder | 15. LED light switch |
| 6. Joint fixing t-bolt & knob- 4 pieces | 16. Chute clean-out tool |
| 7. Discharge chute | 17. Lower chute crank |
| 8. Carrying or lifting handle (For transport only) | 18. Middle frame |
| 9. LED light | 19. Upper chute crank |
| 10. Main cover | |



WARNING: If any parts are damaged or missing, do not operate this product until the parts are replaced. Using a product with damaged or missing parts could result in serious personal injury.

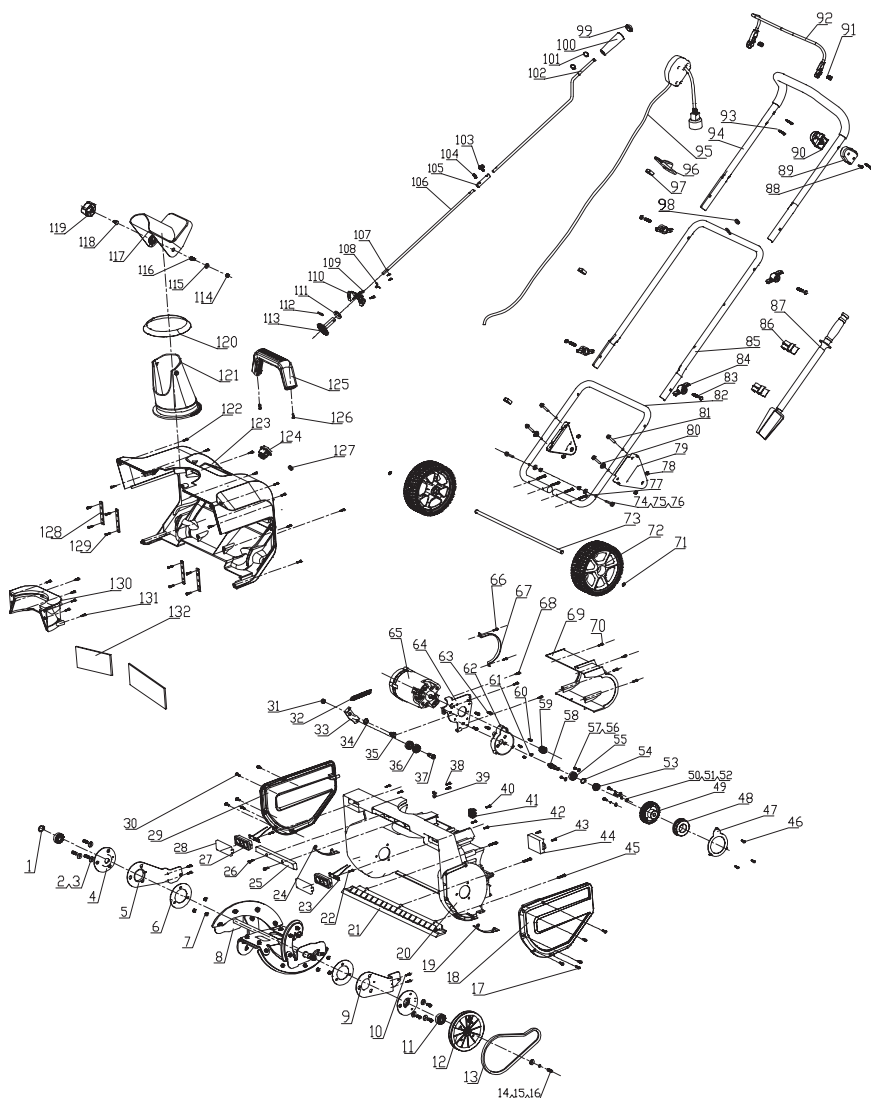


WARNING: Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
The handle is not in position.	The bolts are not properly seated.	Make sure the bolts are correctly installed through the handlebars. Check to see if the hand knobs are tight. Refer to Assembling the Handle, page 9.
The snowblower does not start.	The switch is defective.	Have the switch replaced by an authorized service centre.
	The extension cord is not connected to the plug. The extension cord is not connected to the power source.	Connect the plug on the snowblower to the extension cord. Plug the extension cord into a live 120V AC, 60 Hz outlet.
The motor is on, but the impeller does not turn.	The belt is damaged.	Replace the belt. Refer to Replacing the Belt and Pulley, page 15.
The snowblower leaves a thin layer of snow behind.	The scraper is worn.	Inspect the scraper for wear or damage. Replace the scraper. Refer to Replacing the Scraper Bar, page 15.

EXPLODED VIEW



PARTS LIST

No.	NAME	Qty	No.	NAME	Qty	No.	NAME	Qty
01	Circlip	01	33	Tension bracket	01	65	Motor (15A)	01
02	Pan head screw M6X18	06	34	Flat washer	01	66	Self tapping screw ST4.2X19	02
03	Small washer	06	35	Tension support	01	67	Strap	01
04	Bearing seat	02	36	6001-Z Bearing	02	68	Self tapping screw ST4.2X19	03
05	Right connecting support	01	37	Tension wheel axle	01	69	Waterproof cover	01
06	Press plate	02	38	Self tapping screw ST4.2X16	02	70	Self tapping screw ST4.2X16	04
07	M6 Nut	06	39	Wire press block	01	71	Circlip	02
08	Auger assembly	01	40	Self tapping screw ST3.5X16	01	72	Wheel	02
09	Left connecting support	01	41	Wire joint	01	73	Axle	01
10	Self tapping screw ST4.2X16	04	42	Self tapping screw ST4.2X13	04	74	Bolt M6x35	02
11	6202-Z Bearing	02	43	Self tapping screw ST4.2X16	02	75	Large washer	02
12	V-belt wheel	01	44	Transformer circuit board	01	76	M6 Nut	02
13	V-belt	01	45	Self tapping screw ST4.8X30	03	77	Self tapping screw ST4.8X35	04
14	Large washer	01	46	Self tapping screw ST3.5X13	03	78	M6 Nut	04
15	Spring washer	01	47	Gearbox cover	01	79	Roller bracket	02
16	Pan head screw M6x16	01	48	Big belt wheel	01	80	Curved washer	02
17	Self tapping screw with pad ST4.2X16	05	49	Big gear	01	81	Bolt M6x35	04
18	Left cover	01	50	Pan head screw M4X14	03	82	Lower handle	01
19	Left wearing plate	01	51	Small washer	03	83	Cup head square neck bolt M8X45	04
20	Snow bucket	01	52	Spring washer	03	84	Knob	04
21	Snow shoveling plate	01	53	609-Z Bearing	01	85	Middle handle	01
22	Self tapping screw ST2.9X8	02	54	Circlip	01	86	Shovel clamp	02
23	LED lamp	02	55	6001-Z Bearing	01	87	Shovel	01
24	Right wearing plate	01	56	Self tapping screw ST2.9X9.5	02	88	Self tapping screw ST4.2X16	01
25	Small cover	01	57	Large washer	02	89	Upper seat	01
26	Self tapping screw ST4.2X16	02	58	Small belt wheel axle	01	90	Lower seat	01
27	Lamp cup	02	59	Small gear	01	91	Spring	02
28	Lampshade	02	60	Sunk screw M4X8	02	92	Switch button	01
29	Right cover	01	61	Pan head screw M4X8	02	93	Self tapping screw ST4.2x25	03
30	Self tapping screw with pad ST4.2X16	05	62	Gearbox	01	94	Upper handle	01
31	M8 Nut	01	63	Self tapping screw ST4.8X16	04	95	Switch box compound	01
32	Tension spring	01	64	Gearbox support	01	96	Cord hook	01

PARTS LIST

No.	NAME	Qty	No.	NAME	Qty
97	Wire clip	03	129	Self tapping screw ST4.2X13	08
98	Rubber ring	01	130	Snow bucket cover	01
99	Swing handle cap	01	131	Self tapping screw ST4.8X16	06
100	Swing handle	01	132	Dustproof sponge	04
101	Circlip	01			
102	Swing pole	01			
103	Screw	01			
104	Pan head screw M4X14	01			
105	Connecting tube	01			
106	Middle pole	01			
107	Self tapping screw ST2.9X8	02			
108	Steering shrapnel	01			
109	Self tapping screw ST4.2X16	02			
110	Swing gear support	01			
111	Lock ring	01			
112	Pin-hair	01			
113	Swing gear	01			
114	M6 Nut	01			
115	Large washer	01			
116	Cup head square neck bolt M6X18	01			
117	Discharge chute cover	01			
118	Cup head square neck bolt M6X30	01			
119	Knob	01			
120	Seal ring	01			
121	Discharge chute	01			
122	Self tapping screw with pad ST4.2X16	12			
123	Shell	01			
124	Waterproof switch	01			
125	Handle	01			
126	Self tapping screw ST4.2X16	02			
127	Big rubber ring	01			
128	Sponge plate	04			

WARRANTY

BENCHMARK 22" ELECTRIC SNOWBLOWER WARRANTY

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs and/or batteries. This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.

22" ELECTRIC SNOWBLOWER



120V • 60Hz • 15 AMP



EXCLUSIVE TO HOME HARDWARE

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