

# Radley®

120V  
60 HZ

# Snow Thrower

Powerful 15A engine  
Owner's Manual



**3 Year** *limited*  
warranty



JDST01

**READ ALL INSTRUCTIONS BEFORE FIRST USE.  
KEEP THIS MANUAL FOR FUTURE REFERENCE.  
KEEP AWAY FROM CHILDREN.**



**WEAR CSA APPROVED  
EYE PROTECTION**



**WEAR EAR  
PROTECTION**



**WEAR A  
FACE MASK**



## PRODUCT SPECIFICATIONS

18" ELECTRIC SNOW THROWER	
Voltage	120 V~ 60 Hz
Ampere	15 A
Clearing width	18" / 45.7cm
Maximum throwing distance	25' / 7.6m
Maximum snow intake height	10" / 25.4cm
Wheel size	5 1/2" / 14cm
Machine weight	29 3/4 lb / 12kg

### Need Assistance?

Call us on our toll free customer support line:

1-866-349-8665 (Monday through Friday 9am – 5pm Eastern Time)

- Technical questions
- Replacement parts
- Parts missing from package

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## GENERAL SAFETY WARNINGS

### IMPORTANT SAFETY INSTRUCTIONS

Read and understand all safety and operational instructions. Failure to follow the safety rules listed below and other basic safety precautions may result in serious personal injury. Keep this manual, sales receipts and applicable warranty forms for future reference.

**⚠ WARNING:** Before using this tool or any of its accessories, read this manual and follow all safety rules and operating instructions. The important precautions, safeguards and instructions appearing in this manual are not meant to cover all possible situations. It must be understood that common sense and caution are factors which cannot be built into the product.

### EYE, EAR & LUNG PROTECTION



**ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA REQUIREMENTS OR ANSI SAFETY STANDARD Z87.1**

FLYING DEBRIS can cause permanent eye damage. Prescription eyeglasses are not a replacement for proper eye protection.

**⚠ WARNING:** Noncompliant eyewear can cause serious injury if broken during the operation of a power tool.

**⚠ WARNING:** Use hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy.

### ELECTRICAL SAFETY



**WARNING:** To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection.

This tool is wired at the factory for 120V AC operation. It must be connected to a 120V AC, 15 AMP circuit that is protected by a time-delayed fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

**⚠ WARNING:** Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**Save all warnings and instructions for future reference.**

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

## WORK AREA SAFETY

**Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

**Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

**Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

## ELECTRICAL SAFETY

**Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

**Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

**Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

**Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

**When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

**If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of a ground fault circuit interrupter (GFCI) reduces the risk of electric shock.

## PERSONAL SAFETY

**Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

**Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, nonskid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

**READ ALL INSTRUCTIONS BEFORE USING THIS ELECTRIC SNOW THROWER**

**Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

**Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

**Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

**Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

**If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

## **POWER TOOL USE AND CARE**

**Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

**Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

**Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

**Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

**Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

**Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

**Use auxiliary handles supplied with the tool.** Loss of control can cause personal injury.

## SPECIFIC SAFETY INSTRUCTIONS

### Safety Instructions for Walking Behind Snow Throwers

**Read the operator's manual carefully** – Learn your snow thrower's applications and limitations as well as the specific potential hazards related to this machine. Do not use this machine for any purpose other than the one for which it was designed. Otherwise, it may cause mechanical defects, serious damage or personal injury.

**Preliminary unit inspection** – Thoroughly inspect the unit before use. Make sure all the parts are secure and installed correctly. If you notice any abnormalities, do not use the machine until it has been properly repaired. Always perform a test run the first time you use the snow thrower or after replacing parts to ensure that the unit is functioning properly.

**Preliminary area inspection** – Clear the area to be plowed before each use. Remove all objects, such as rocks, broken glass, nails, wire or string, which can be thrown by or become entangled in the snow thrower. Keep the area of operation clear of all spectators, particularly children and pets.

**Excessive force** – The snow thrower was designed to respond at a certain rate for various snow conditions for optimum safety and performance. Do not force it; keep pressure constant.

**Malfunctioning switch** – Do not use the snow thrower if the switch does not turn it on and off. Any electrical appliance that cannot be controlled by the switch is not safe to use and must be repaired.

**Hitting an object** – If the snow thrower accidentally strikes an object, follow these steps: i) Stop the snow thrower and unplug the unit. ii) Inspect for damage. iii) Repair or replace any damaged part before restarting and operating the snow thrower.

**READ ALL INSTRUCTIONS BEFORE USING THIS ELECTRIC SNOW THROWER**

**Discharge chute safety** – Never direct the snow discharge chute at the operator, at bystanders, at vehicles or at windows. The discharged snow stream and foreign objects accidentally picked up by the snow thrower can cause serious damage and personal injury. Do not use your hands to unclog the discharge chute. Stop the motor before removing debris.

**Abnormal operation** – If you notice the snow thrower running in an unstable state or hear abnormal sounds from the engine, immediately stop the machine, disconnect the power and contact Customer Service at 1-866-349-8665.

**Noise control** – When using the snow thrower, you must respect local laws and regulations regarding noise control and environmental protection. To avoid noise disturbance, you should carefully decide upon an appropriate operation time and consider the surrounding conditions.

**When work is completed** – Disconnect the snow thrower from the power source when not in use, when changing accessories and before performing any maintenance function.

**Store safely** – Store the snow thrower indoors in a dry area between uses. Keep it in a locked area, where children and unauthorized users cannot gain access. Do not store the machine while it is still connected to the power source as this may result in damage and injury.

**Maintain for safety and longevity** – Check for misalignment or binding of moving parts, breakage of parts and any other conditions that may affect the unit's operation. If damaged, repair or replace the damaged part before use. Use only original replacement parts designed specifically for your model. When replacing any parts, you must strictly observe the instructions and procedures described in this manual. Special care should be paid to any rubber parts, since these parts may increase the engine load and decrease its mechanical power if damaged. Always check that all bolts, nuts and knobs are tight before using the snow thrower!

**⚠ WARNING: Clearing a clogged discharge chute** -Hand contact with the rotating impeller inside the discharge chute is the most common cause of injury associated with snow throwers. Never use your hand to clean out the discharge chute. To clear the chute: SHUT THE MOTOR OFF! Wait 10 seconds to be sure the impeller blades have stopped rotating. Always use a clean-out tool, not your hands.

**INTENDED USE:** This tool is intended for snow throwing. It is only for outdoor usage.

**NOTE:** Read the instruction handbook before operating this machine.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**



## EXTENSION CORD SAFETY

**⚠ WARNING:** Keep the extension cord clear of the working area. Position the cord so it will not get caught on the workpiece, tools or any other obstructions while you are working with the power tool.

Make sure any extension cord used with this tool is in good condition. When using an extension cord, be sure to use one of heavy enough gauge to carry the current the tool will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.

The table below shows the correct size to use according to cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number the heavier the cord.

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it. Protect your extension cord from sharp objects, excessive heat and damp or wet areas.

Use a separate electrical circuit for your power tools. This circuit must not be less than 14 gauge wire and should be protected with either a 15 AMP time delayed fuse or circuit breaker. Before connecting the power tool to the power source, make sure the switch is in the OFF position and the power source is the same as indicated on the nameplate. Running at lower voltage will damage the motor.

<b>MINIMUM GAUGE (AWG) EXTENSION CORDS (120V use only)</b>					
Amperage rating		Total length			
More than	Not more than	25' (7.5 m)	50' (15 m)	100' (30 m)	150' (45 m)
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Applicable	

To reduce the risk of disconnecting of snow thrower from the extension cord during operating: Make a knot as shown in Fig. 1.

Use one of the plug receptacle retaining straps or connectors described in this guide.

**READ ALL INSTRUCTIONS BEFORE USING THIS ELECTRIC SNOW THROWER**

**Avoid unintentional starting** – Turn off the power switch and disconnect the power cable before making any adjustments to the unit and before inspecting, servicing, changing accessories or cleaning the snow thrower.

**Handle cord carefully** – Never pull electric snow thrower by cord or yank it to disconnect from power source. Keep cord away from heat, oil, and sharp edges.

**Don't force electric snow thrower** – It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.

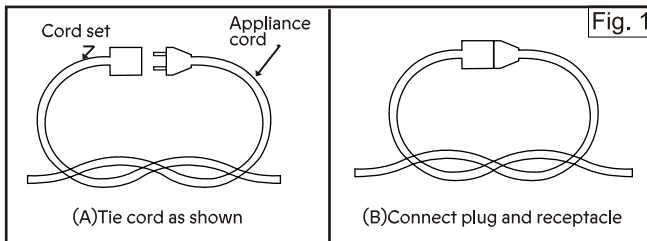
**Don't overreach** – Keep proper footing and balance at all times.

**Stay alert** – Watch what you are doing. Use common sense. Do not operate tool when you are tired or under the influence of alcohol, drugs or medications that cause drowsiness.

**Disconnect electric snow thrower** – Disconnect the electric snow thrower from the power supply when not in use, before servicing, when changing accessories.













**Keep guards in place and in working order.**

**Keep hands and feet away from blowing area.**



**SAVE THESE INSTRUCTIONS FOR REFERENCE**

## SYMBOLS

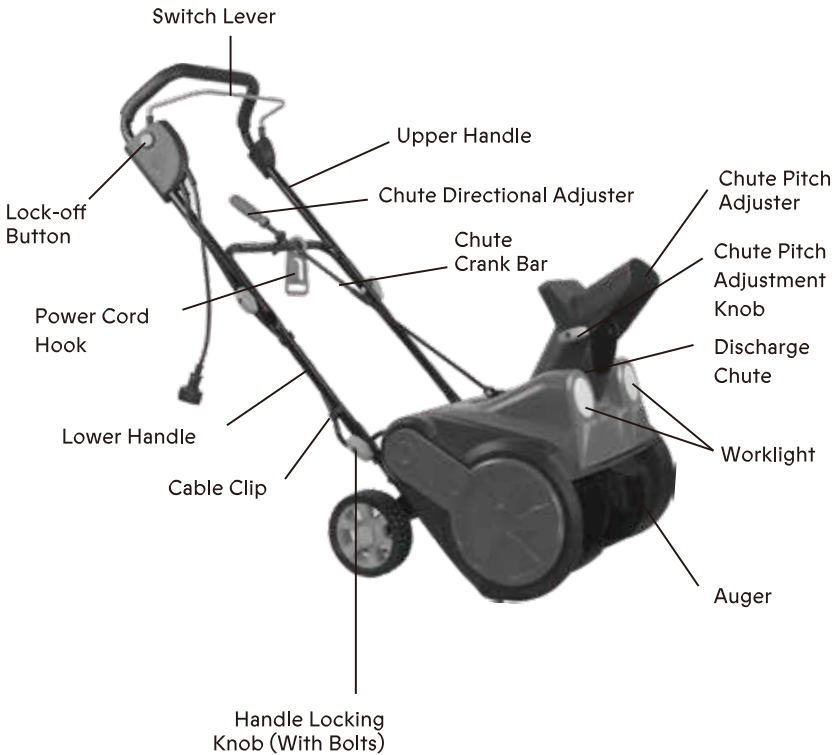
	Warning!		Avoid injury from rotating auger. Keep hands, feet, and clothing away.
	Read the operator's manual.		Wear head protection.
	Wear ear protection.		Wear protective gloves.
	Double insulation.		Wear safety footwear.
	Before any work on the machine itself, pull the power plug from the outlet.		Remove plug from the mains immediately if the cable is damaged or cut.
	Wear face shield.		Shut off motor before unclogging discharge chute.



This symbol designates that this tool is listed with Canadian and U.S. requirements by cSGSus Testing Laboratories, Inc.

UL1090 C22.2 NO. 147-15

## KNOW YOUR ELECTRIC SNOW THROWER



## ASSEMBLY AND OPERATION

### Assembling the handlebar

**NOTE:** Choose one of the three holes in the lower handle for the desired handle's height when attaching the upper handle.

**IMPORTANT:** When attaching the lower handle to the snow thrower, make sure the chute crank bar mounting hole on the lower handlebar is facing upwards (side of bar where hole is indented). ( See Fig. 2-Fig.4 )

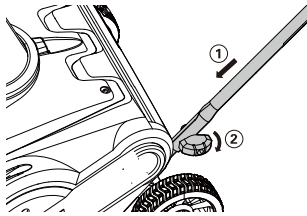


Fig. 2

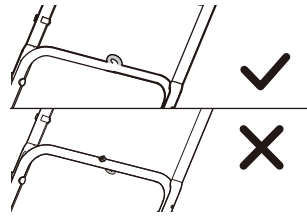


Fig. 3

### Assembling the handlebar ( See Fig. 5 )

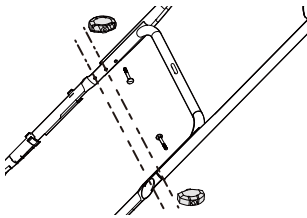


Fig. 4

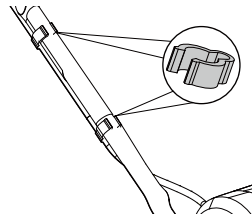


Fig. 5

### Assembling the chute crank ( See Fig. 6 - Fig. 9 )

**NOTE:** Make sure the chute crank bar rests on top of the lower handlebar.

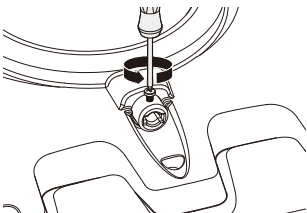


Fig. 6

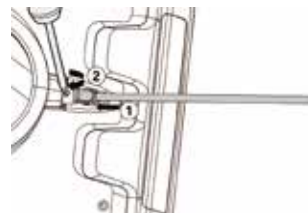


Fig. 7

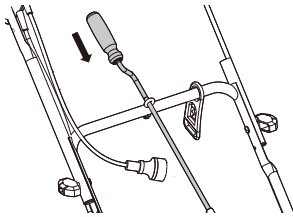


Fig. 8

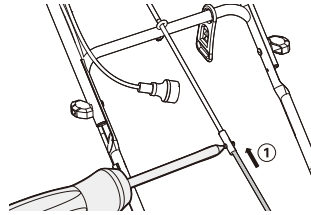


Fig. 9

### Adjusting throw direction and throw height

**NOTE:** The discharge chute can be adjusted 180 degrees by rotating the chute directional adjuster.

**⚠ WARNING:** Never direct the snow discharge chute at the operator or at nearby windows.

The discharged snow and foreign objects accidentally picked up by the snow thrower 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 pitch adjuster snaps and locks completely onto the discharge chute.

An opening between the discharge chute and the chute pitch adjuster may allow foreign objects to be picked up by the snow thrower and thrown in the direction of the operator causing serious injury. Do not advance the chute pitch adjuster too far forward causing an opening to appear between the chute pitch adjuster and discharge chute ( See Fig. 10-Fig. 11 ).

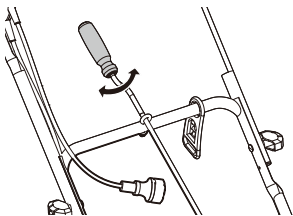


Fig. 10

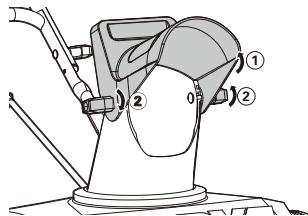


Fig. 11

Using the power cord hook ( See Fig. 12 )

Starting & stopping ( See Fig. 13 )

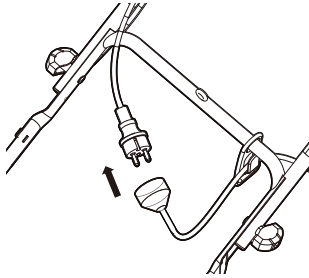


Fig. 12

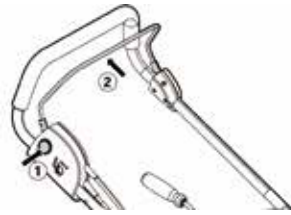


Fig. 13

### Dual LED Headlight operation

How to operate dual LED headlights:

Plug in as Fig.12

Press main switch lever as Fig.13 and headlights will turn ON.

Release main switch lever as Fig.14.2, and headlights will turn off.



Fig. 14

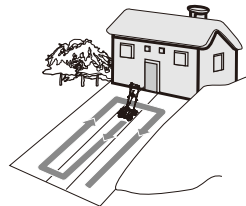


Fig. 15

### HOW TO CLEAR A DRIVEWAY/EXPERTS OFFER PRACTICAL TIPS (See Fig. 15) SNOW THROWER (NON- WINDY CONDITIONS).

- 1) Cut a path straight down the middle of the driveway with the Discharge Chute facing left.
- 2) Without adjusting the Discharge Chute, turn machine around 180 degrees.
- 3) Return to driveway's start. Turn machine the same direction as before.
- 4) Continue making circles outward in this direction until the driveway is clear.

### MAINTENANCE

Important: All electrical repairs should be performed only by an Authorized Service Dealer.

**⚠ WARNING: If the extension cord is plugged into the snow thrower, someone could accidentally operate snow thrower while you are performing maintenance on it, causing serious personal injury. Disconnect the extension cord before you perform any maintenance.**

#### 1. 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 at frequent intervals for proper tightness to ensure that the equipment is in safe working condition.
- 3) After each snow removal session, run the snow thrower for a few minutes to prevent the Auger 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 Handle several times to remove any excess snow.

#### 2. REPLACING THE SCRAPER (See Fig. 16)

The scraper (A) is located at the base of the snow thrower beneath the rotor housing.

- 1) Detach the worn scraper from the snow thrower by removing the 3 screws that hold it in place.
- 2) Install the new scraper and fasten it securely to the snow thrower with 3 screws.

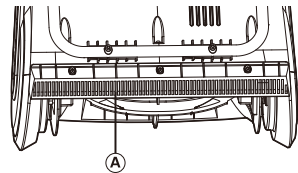


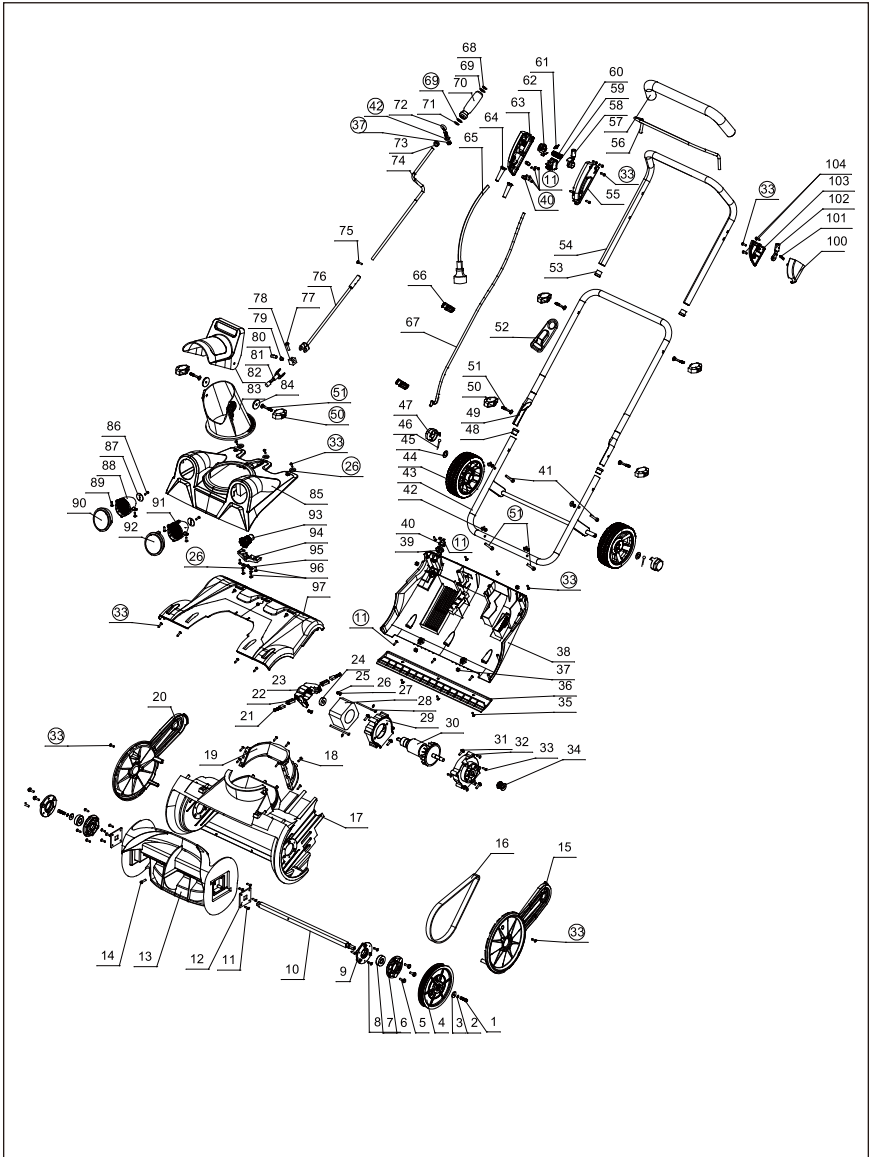
Fig. 16

### STORAGE

- 1) Allow the motor to cool and clean the snow thrower before storing or transporting. Be sure to secure the unit while transporting.
- 2) Disconnect the extension cord from the snow thrower.
- 3) Inspect the extension cord closely for signs of wear or damage. Replace it if it is worn or damaged.
- 4) Inspect the snow thrower carefully for worn, loose, or damaged parts. Check connections and screws and tighten if necessary. For repairing or replacing parts, contact your nearest service center.
- 5) Store the unit, along with the disconnected extension cord, in a locked, dry place out of the reach of children to prevent unauthorized use or damage. Cover loosely with a tarp for added protection.



## EXPLODED VIEW



### PARTS LIST

**! WARNING:** When servicing, use only original equipment replacement parts. The use of any other parts may create a safety hazard or cause damage to the electric snow thrower.

Any attempt to repair or replace electrical parts on this electric snow thrower may create a safety hazard unless repairs are performed by a qualified technician. For more information, call the Toll-free Helpline, at 1-866-349-8665 Monday – Friday from 9am to 5pm Eastern Standard Time.

Always order by key number.

Key #	Part Name	Quantity
1	screw	2
2	elastic washer	2
3	chute shaft washer	2
4	main pulley	1
5	screw	6
6	chute bearing seat	2
7	6202R waterproof bearing	2
8	ST4*14 screw	6
9	chute bearing seat cover	2
10	chute shaft	1
11	ST4*16 screw	17
12	transfer board	1
13	chute	1
14	M5*20 washer screw	1
15	left cover	1
16	belt	1
17	base seat	1
18	ST4*16 screw	7
19	housing component	1
20	right side cover	1
21	brush	2
22	brush box	2
23	motor rear frame	1
24	608 bearing	1
25	M4 nonmetal nut	2
26	washer	2
27	120V stator	1
28	M4*80 screw	2
29	lower guard	1
30	120V rotor	1

Key #	Part Name	Quantity
31	ST5*30 screw	4
32	lower cover seat	1
33	ST4*20 screw	23
34	small belt	1
35	ST4*14 screw	3
36	snowboarding	1
37	M6 nonmetal nut	4
38	lower cover	1
39	wires sleeve	1
40	cord clamp	3
41	M6*40 bolt	4
42	diameter 6 washer	4
43	lower tube assembly	1
44	front wheel	2
45	washer	4
46	open pin	2
47	wheel cover	2
48	lower bushing	2
49	middle tube	1
50	turn button	6
51	M6*40 bolt	6
52	wire buckle	1
53	upper tube block	2
54	upper tube	1
55	switch box	1
56	trigger	1
57	sponge sleeve	1
58	right trigger link	1
59	recover boat type switch	1
60	switch spring	1
61	tension spring	1
62	switch button	1
63	switch box	1
64	strain relief	2
65	power cord	1
66	buckle 2	2
67	wire	1
68	open ring	1
69	driven wheel washer	2
70	rocking handle	1
71	snap ring	1
72	rocking lever seat	1

Key #	Part Name	Quantity
73	rocking level sleeve	4
74	upper reversing bar	1
75	M4*14 screw	23
76	lower reversing bar welding part	1
77	rivet	3
78	cardan joint	1
79	snap ring	4
80	cardan shaft	1
81	reversing shaft coupling	1
82	up snow thrower tube	3
83	lower snow thrower tube	4
84	snow thrower rubber cushion	4
85	snow thrower seat	1
86	ST4*8 screw	2
87	LED light	4
88	right light seat	2
89	ST4*16 screw	2
90	right LED cover	2
91	left LED seat	1
92	left LED cover	6
93	reversing screw	6
94	reversing screw plate	1
95	brake spring plate	2
96	ST4*14 screw	1
97	upper cover	1
100	switch box	1
101	trigger spring	1
102	left trigger link	1
103	switch box	1
104	ST4*30 screw	1

## **WARRANTY**

### **RADLEY ELECTRIC SNOW THROWER WARRANTY**

If this Radley tool fails due to a defect in material or workmanship within three 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 Radley product is used for commercial or rental purposes, this warranty does not apply.

120V  
60 HZ

# Snow Thrower

Powerful 15A engine



3 Year *limited*  
warranty

Radley®

EXCLUSIVE TO HOME HARDWARE

For information on the entire line-up of Radley power  
tools visit [homehardware.ca](http://homehardware.ca) or your local Home Hardware retail store.

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