5131-001





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



# **SPECIFICATIONS**

15 AMP CHIPPER/SHREDDER		
Туре	Corded	
Voltage	120 V ~ 60 Hz	
Amp	15 A	
No-load Speed	3700 RPM	
Cutting Capacity	1 ½" (39 mm)	
Discharge	Collection box	
Weight	30 lb (13.7 kg)	

## **Need Assistance?**

Call us on our toll free customer support line:

1-833-818-4111 (Monday through Friday, 9am – 5pm, Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package



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## 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 effectively and safely.

V	Volts - Voltage	W	Watts - Power
A	Amperes - Current	~	Alternating current - Type of current
Hz	Hertz - Frequency (cycles per second)	/min	Per Minute-Revolutions, strokes, surface speed, orbits, etc., per minute.
	Class II Construction-Dou- ble-insulated construction	<b>A</b>	CAUTION! Beware of stones and other foreign objects that could be thrown from the product.
	Safety Alert-Precautions that involve your safety	∎↔₩	Keep bystanders and children a safe distance (at least 11 yd/10 m) away from the work area.
8	Hand Alert-Warning! Never place hands into ejection chute as serious injury will occur.	×	DANGER! Cutting/ dismemberment hazard - Keep hands away from the rotating blade.
STOP	The rotating part will continuously run for several seconds after you turn off the machine.		Do not open or remove safety shields while motor is running.
	READ THE OPERATOR'S MANUAL(S) – Read, understand and follow all instructions in the user manual(s) before attempting to assemble and operate.	•=	WARNING! Turn the machine OFF and disconnect it from the power supply before inspecting, cleaning, changing accessories or conducting any other maintenance task.
	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.		Do not stand on the machine.



# **ELECTRICAL INFORMATION**

## **GUIDELINES FOR USING EXTENSION CORDS**

**USE THE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using on extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause overheating. The table below shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

#### MINIMUM GAUGE FOR EXTENSION CORDS (AWG)

Ampere Rating		Total Length of Cord			
More Than	Not More Than	25' (7.6 m)	50' (15 m)	100' (30.4 m)	150' (45.7m)
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	14	16	12
12	16	14	12	Not Recom	mended

(When using 120 V only)

Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before use. Keep extension cords away from sharp objects, excessive heat and damp or wet areas.

Use a separate electrical circuit for your tools. This circuit should use a wire of at least 12 gauge and should be protected with a 15 A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is identical to that stamped on the motor nameplate. Running at a lower voltage will damage the motor.

**WARNING!** Always make sure that your outlet is property grounded. If you are uncertain, have it checked by a certified electrician.

This chipper/shredder is for outdoor use only. Do not expose to rain or use in damp locations.

Although this shredder is double-insulated, the extension cord and receptacle must still be grounded while in use to protect the operator from electric shock.



# **GENERAL SAFETY INFORMATION**

#### FOR ALL DOUBLE-INSULATED APPLIANCES.

- 1. Replacement Parts: when servicing use only identical replacement parts.
- 2. Polarized Appliance Connections: to reduce the risk of electric shock, this appliance has a polarized plug (one blade is wider than the other) and will require the use of a polarized extension cord. The appliance plug will fit into a polarized extension cord only one way. If the plug does not fit fully into the extension cord, reverse the plug. If the plug still does not fit, obtain the correct polarized extension cord. A polarized extension cord will require the use of a polarized wall outlet. This plug will fit into the polarized wall outlet only one way. If the plug does not fit fully into the plug. If the plug does not fit 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 change the equipment plug, extension cord receptacle, or extension cord plug in any way.

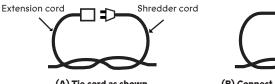
#### FOR ALL APPLIANCES

- 1. Do not use appliances in damp or wet locations as this can be dangerous.
- 2. Do not use in the rain.
- Keep children away. All visitors should be kept at a safe distance from the work area.
- 4. Dress properly. Do not wear loose clothing or jewellery, which can get caught in moving parts. Use of rubber gloves and heavy footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- 5. Use safety glasses. Always use face or dust mask if operation is dusty.
- 6. Use the right appliance. Do not use appliance for any job except that for which it is intended.
- Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for the gardening appliance. Receptacles with built-in GFCI protection may be used for this measure of safety.
- Warning—to reduce the risk of electric shock, use only with an extension cord intended for outdoor use, such as an extension cord of cord type SW-A, SOW-A, STW-A, STOW-A, SJW-A, SJOW-A, SJTW-A or SJTOW-A.

9. Extension Cord

Make sure your extension cord is in good condition and is heavy enough to carry the current your product will draw. An undersized extension cord will cause a drop in line voltage resulting in loss of power and overheating. To reduce the risk of disconnection of appliance cord from the extension cord during use:





(A) Tie cord as shown



(B) Connect plug and receptacle

i) Make a knot as shown above.

ii) Use one of the plug-receptacle retaining straps or connectors described in this manual.

- 10. Avoid unintentional starting. Do not carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.
- 11. Do not abuse cord. Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord away from heat, oil, and sharp edges.
- 12. Do not force appliance. It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
- 13. Do not overreach. Keep proper footing and balance at all times.
- 14. Stay alert. Watch what you are doing. Use common sense. Do not operate appliance when you are tired.
- 15. Disconnect the appliance from the power supply when not in use, before servicing, when changing accessories such as blades, and the like.
- 16. Keep guards in place and in working order.
- 17. Keep blades sharp.
- 18. Keep hands and feet away from cutting area.

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- Do not allow garden waste to accumulate before shredding as it will begin to compost, become too damp and clog the cutting assembly. Dry material will help most material to clear the ejection chute. Save some dry sticks until last to help clean the blade area.
- 2. Frequently monitor the buildup of shredded material.
- 3. Do not allow shredded material to build up and fill the inside of the shredder's discharge chute.
- 4. When the collection box is full, press the On/Off switch to turn the Chipper/Shredder off before emptying.

**WARNING!** Do not put your hands up inside the shredder's discharge chute to clear away shredded material while the shredder is switched on or connected to the power supply.

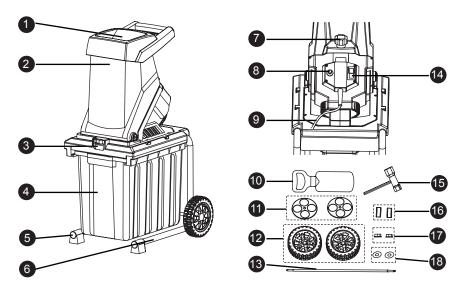


# **KNOW YOUR CHIPPER/SHREDDER**

- 1. Feed hopper
- 2. Body cover
- 3. Locking button
- 4. Collection box
- 5. Left bracket
- 6. Right bracket

- 7. Locking knob
- 8. Overload protector
- 9. Power cable
- 10. Plunger
- 11. Wheel covers
- 12. Wheels

- 13. Axle tube
- 14. On/Off switch
- 15. Socket wrench
- 16. Wheel bushing
- 17. Self-locking nut
- 18. Washer



Always take care when removing the packaging to prevent damage to you or to the chipper/shredder.

- Remove all parts from the box and carefully remove all packaging. Take care
  not to lose any instructions which may be affixed to the parts. These provide
  important information which will be required while assembling the
  chipper/shredder.
- Keep all packaging until the chipper/shredder is fully assembled and has been operated successfully.





# ASSEMBLY

## FITTING THE TRANSPORTATION WHEELS

**WARNING!** You may need assistance to lift the machine out of the box and assemble it.

**NOTE:** Before using the chipper/shredder, read the instruction book carefully.

Before using the chipper/shredder, some assembly is required.

- 1. Turn the machine upside down on a flat surface and rotate the two brackets from the outside of the machine to the upright position (Fig. 1).
- Attach the axle tube between the left and right brackets. Slide the axle through the assembly hole in left bracket then through out the other assembly hole in the right bracket.
- 3. Position the washers and wheel bushings on each end of the axle tube. Then assemble the wheels onto each end of the axle end. Use the selflocking nuts on each end of the axle and tighten both the self-locking nuts using the wrench supplied (Fig. 2).
- 4. Attach the wheel cover and make sure everything is assembled in the correct position.

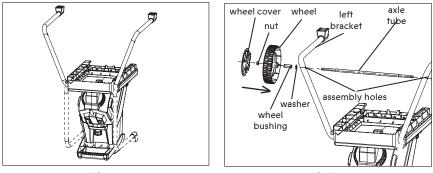




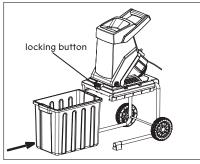
Fig. 2

**NOTE:** The wheels must be fitted the correct way round to allow the nuts to tighten on each end of the axle.

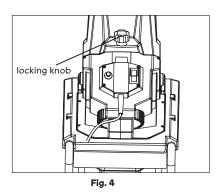


**WARNING!** Before assembly, make sure that the machine is switched off and unplugged.

**WARNING!** Take care when tilting the unit onto its wheels as the unit has an uneven weight distribution when tilted and during wheeled transportation.







## FITTING THE COLLECTION BOX

**A** NOTE: Before assembling the collection box, make sure the machine is in the upright position and two brackets are placed on the ground.

- 1. Lift the locking button then attach the collection box into the frame as shown in Fig. 3.
- 2. Make sure the locking button and locking knob (Fig. 4) are locked before using the machine.

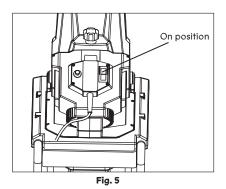
**WARNING:** To ensure the stability of the shredder, make sure that the cap-headed bolts and washers are securely tightened.

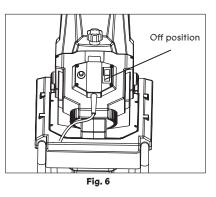


# **OPERATION**

For best results when shredding, follow the guidelines shown in the table below.

Material	Shredding Method
Twigs and pruning up to 1/4" (6 mm) diameter.	Feed into the feeding chute at a rate which the shredder will accept without overloading. Use the plunger to push the material into the chute if required.
Branches and pruning up to 1 1/2" (39 mm) in diameter.	Clip off all side growth with pruning shears before feeding into the feeding chute with the plunger.
Bedding plants, weeds and shrubby growth.	Knock soil and stones off the roots to avoid damage to the blades. Avoid weeds that may have seeded. The seeds may not decompose and may germinate later.
Freshly cut foliage, hedge pruning, and kitchen waste (e.g., cabbage leaves, vegetable peelings, etc.)	With any material having a high, moisture content, it is advisable to feed in some drier sticks at regular intervals to help push the material through the cutting assembly and prevent it from clogging.







## **START/STOP THE SHREDDER**

- 1. Connect to the electric power supply.
- 2. To switch on the shredder, press the power On/Off switch to the ON position (Fig. 5).
- 3. To switch off, simply press the On/Off switch to the OFF position (Fig. 6).

**A** NOTE: Ensure power On/Off switch is in the OFF position before plugging in the shredder.

**WARNING!** Do not put your hands into the feeding chute.

The shredder must be used in the upright position only. Do not operate the shredder if it is lying on its side.

When feeding long woody branches/stems into the shredder, be careful of whip and vibrations as they get caught by the cutter.

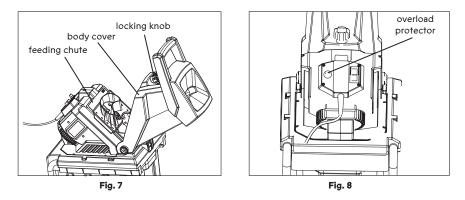
The cutting device has a tendency to pull branches/stems into the machine. Do not try to impede entry of the material being cut once feeding has started.

#### **CLEARING OBSTRUCTIONS**

If the shredder becomes jammed, power to the motor will automatically cut off. If the shredder jams and can not be restarted, the following actions should be taken.

- 1. Switch the shredder OFF.
- 2. Disconnect shredder from electric power supply before attempting to unblock any jams.
- 3. Unscrew locking knob, located on underside of cover.
- 4. Lift body cover up so you can clearly see the cutting section.
- 5. Remove any twigs, branches or other material that may be clogging the blades, feeding chute or discharge chute.
- 6. Close body cover, make sure it is correctly located and securely retighten the locking knob.





**A** NOTE: If body cover is not correctly fitted, and locking knob is not securely tightened, the shredder can not be operated.

## **OPERATION OF OVERLOAD PROTECTOR**

If the machine is overloaded, the overload protector incorporated in the motor will cut off the power to the shredder.

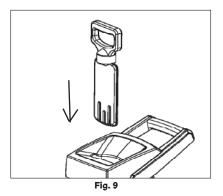
- 1. Leave the shredder for a few minutes, then press the overload protector to reset the machine (Fig. 8).
- 2. Press the main switch to the ON position to restart the shredder.
- 3. If after above steps the shredder still can not be started, the motor protector needs to be disconnected from the power circuit. Unplug the power cable from the socket, wait for a few minutes, then plug it in and follow above steps to restart the shredder.

## **USE PLUNGER**

Use the plunger provided to help push the branches/stems down into the feeding chute.

**WARNING!** The chipper/shredder has a tendency to pull branches/stems into the machine. Do not try to impede entry of the material being cut once feeding has started.





**NOTE:** After prolonged use, the chipper/shredder may lose performance. If the blades become worn or damaged, they can be reversed to provide a new cutting edge.

# 

- Do not allow garden waste to accumulate before shredding as it will begin to compost and become too damp and clog the cutting assembly. Dry material will help most material to clear the ejection chute. Save some dry sticks until last to help clean the blade area.
- 2. Frequently monitor the buildup of shredded material.
- 3. Do not allow shredded material to buildup and fill the inside of the chipper/shredder's discharge chute.
- 4. When the collection box is full, make sure to press the On/Off switch to turn the chipper/shredder off, and release the locking button before emptying collection box.



# MAINTENANCE

#### **BLADE MAINTENANCE**

The shredder has two blades that are attached to a rotating support. When one side of a blade becomes dull, it can be turned over in order to use the other side. Dull blades can be replaced or properly sharpened.

- 1. Switch shredder off by pressing the power On/Off switch to the Off position.
- 2. Disconnect the shredder from the electric power supply.
- 3. Turn the locking knob counterclockwise until the body cover can be opened. Lift up the body cover to expose the two blades (Fig. 7).
- 4. Wearing protective gloves, use a screwdriver (not supplied) to hold the blade plate, then use the hexagonal end of the socket wrench supplied to loosen and remove the first hexagon socket head screw (Fig. 10).
- 5. Turn the blade plate 180°, use the hexagonal wrench to loosen and remove the other hexagon socket head screw (Fig. 11).
- 6. Lift out the old blade. Either reinsert the blade with the sharp edge in position as the cutting surface or insert a replacement blade.
- 7. Follow the same procedure for the opposite cutting blade.
- 8. Replace and tighten the two screws in order to secure the new blade to the support.
- 9. Close cover, making sure it is correctly placed, and securely retighten locking knob.

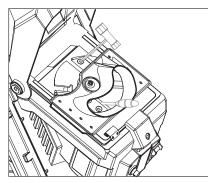


Fig. 10

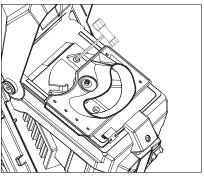


Fig. 11



**NOTE:** If body cover is not correctly fitted, and locking knob is not securely tightened, the shredder can not be operated.

#### **GENERAL MAINTENANCE**

- 1. For maximum performance and longevity, keep the shredder clean and in good working condition.
- 2. Inspect the switch and the power cord for damage before each use.
- 3. Check for damaged, missing, or worn parts. Check for loose screws, moving parts that are jammed, or any other condition that may affect the operation.
- 4. If abnormal vibration or noise occurs, turn the chipper/shredder OFF immediately and have the problem corrected before further use.
- 5. If damaged or performing abnormally, do not use the shredder until it has been properly repaired, or replaced.

## CLEANING

1. Wipe the outside of the shredder with a soft, dry cloth.

2. Remove the hopper from the housing body before washing the inside of the hopper.

3. Do not hose the shredder down or wash it with water.

**WARNING!** To avoid injury, electric shock, or damage to the shredder, do not allow any liquid to get inside the shredder.

**WARNING!** To avoid damage or electric shock, do not use strong solvents or detergents on the plastic housing or the plastic components. Certain household cleaners may cause damage and create a shock hazard.



# TROUBLESHOOTING

If your device is not operating properly, follow the instructions below. If this does not solve the problem, please contact your local repair agent.

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION	
Motor not running.	<ol> <li>No main voltage.</li> <li>Cable faulty?</li> <li>Was the motor protection triggered?</li> <li>Was the safety switch triggered?</li> </ol>	<ol> <li>Check cable, plug, socket and fuse.</li> <li>Contact your local repair agent.</li> <li>Remove all chipped pieces and press reset button.</li> <li>Check the hopper-motor housing connection.</li> </ol>	
Material to be chipped is not pulled in.	<ol> <li>Material blockage?</li> <li>Are the blades blocked?</li> <li>Are the blades worn?</li> </ol>	ked? the blades.	

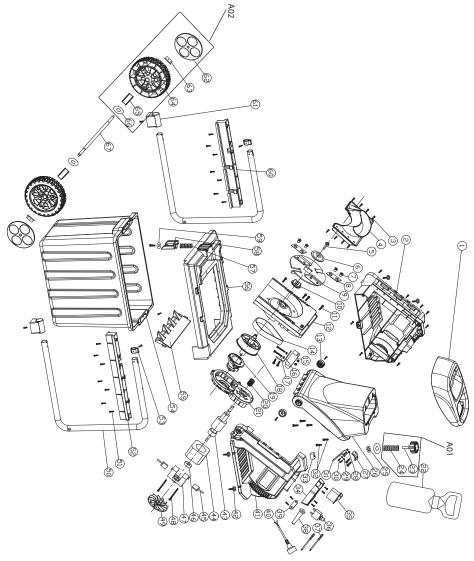
**WARNING!** Before making any repairs or adjustments, make sure to turn the switch Off and unplug.

# **RECYCLING AND DISPOSAL**

- Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre, and disposed of in an environmentally safe way.
- 2. Recycle rather than dispose of unwanted material in landfill whenever possible. The machine is delivered in rigid packaging to avoid damage during transportation, but the packaging, roller, and the machine itself are manufactured from recyclable materials and should be disposed of accordingly.
- 3. Do not throw your clippings into a rubbish bin where it will be disposed of in landfill. You can dispose of clippings on your compost heap, alternating them with other garden material. Alternatively, many communities provide a public collection point where you can dispose of your garden waste in an environmentally friendly manner.
- 4. Recycle packaging where facilities exist.



# PARTS SCHEMATIC



READ ALL INSTRUCTIONS BEFORE USING THIS CHIPPER/SHREDDER



# **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 15 Amp Chipper/Shredder.

Any attempt to repair or replace electrical parts on this 15 Amp Chipper/Shredder may create a safety hazard unless repairs are performed by a qualified technician. For more information, call the Toll-free Helpline, at 1-833-818-4111 – Monday-Friday from 9am - 5pm Eastern Standard Time.

Always order by part number.

Key #	Part #	Part Name	Quantity
1	ACAJ011001	Feeder hopper	1
2	ACAJ011002	Right housing	1
3	ACAJ011003	Screw	35
4	ACAJ011004	Blade defend block	1
5	ACAJ011005	Internal hex nut	1
6	ACAJ011006	Clamp block	1
7	ACAJ011007	Hex nut	4
8	ACAJ011008	Blade	2
9	ACAJ011009	Blade plate	1
10	ACAJ011010	Drive block	1
11	ACAJ011011	Screw	12
12	ACAJ011012	Up cover of gear box	1
13	ACAJ011013	Connecting knob	2
14	ACAJ011014	Belt	1
15	ACAJ011015	Overload switch	1
16	ACAJ011016	Switch frame plate	1
17	ACAJ011017	Screw	2
18	ACAJ011018	Big belt wheel	1
19	ACAJ011019	Eccentric wheel	1
20	ACAJ011020	Small belt wheel	1
21	ACAJ011021	Down cover of gear box	1
22	ACAJ011022	Flat push stick	1
23	ACAJ011023	Knob	1
24	ACAJ011024	Spring	1
25	ACAJ011025	Retaining ring	1
26	ACAJ011026	Up housing	1
27	ACAJ011027	Bolt frame plate	1
28	ACAJ011028	Nut	4
29	ACAJ011029	Spring washer	4
30	ACAJ011030	Screw	2



Key #	Part #	Part Name	Quantity
31	ACAJ011031	Switch pin	1
32	ACAJ011032	H type screw	2
33	ACAJ011033	Fixup nut	1
34	ACAJ011034	Switch box	1
35	ACAJ011035	Electonmagnetic switch	1
36	ACAJ011036	Overcurrent protection	1
37	ACAJ011037	Connecting wire	2
38	ACAJ011038	Cord sheath	1
39	ACAJ011039	Cord clamp plate	1
40	ACAJ011040	Supply cord	1
41	ACAJ011041	Left housing	1
42	ACAJ011042	Screw	4
43	ACAJ011043	Armature	1
44	ACAJ011044	Field	1
45	ACAJ011045	Carbon brush	2
46	ACAJ011046	Bearing	1
47	ACAJ011047	Brush holder	1
48	ACAJ011048	Field screw	2
49	ACAJ011049	Fan	1
50	ACAJ011050	Support tube	2
51	ACAJ011051	Screw	14
52	ACAJ011052	Left hook clip	1
53	ACAJ011053	Tube stopper	2
54	ACAJ011054	Collection box	1
55	ACAJ011055	Baffle	1
56	ACAJ011056	Body support	1
57	ACAJ011057	Spring	1
58	ACAJ011058	Pull pin	1
59	ACAJ011059	Washer	1
60	ACAJ011060	Right hook clip	1
61	ACAJ011061	Food washer	2
62	ACAJ011062	Wheel cover	2
63	ACAJ011063	Hex nut	2
64	ACAJ011064	Wheel	2
65	ACAJ011065	Wheel spindle sheath	2
66	ACAJ011066	Spacer	2
67	ACAJ011067	Connecting pole	1
A01	ACAJ011068	Knob assy	1
A02	ACAJ011069	Wheel assy	2



# WARRANTY

#### **RADLEY 15 AMP CHIPPER/SHREDDER 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.

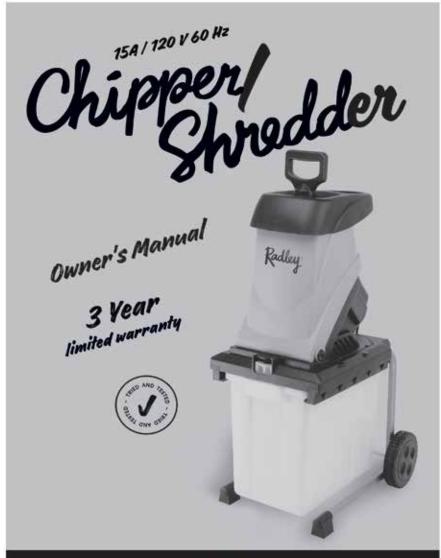




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SAVE THESE INSTRUCTIONS FOR REFERENCE

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Radley

EXCLUSIVE TO HOME HARDWARE For information on the entire line-up of Radley power tools visit homehardware.ca or your local Home Hardware retail store.

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