

# Radley®

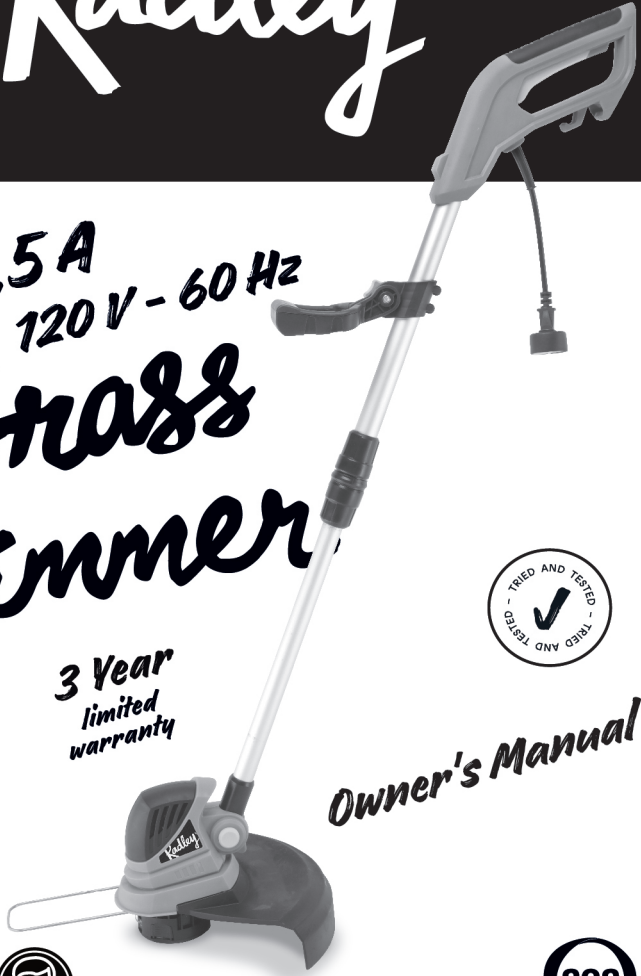
4.5 A  
120 V - 60 Hz

# Grass Trimmer

3 Year  
limited  
warranty



Owner's Manual



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

## PRODUCT SPECIFICATIONS

<b>4.5 AMP GRASS TRIMMER</b>	
Rated voltage	120V~ 60Hz
Rated current	4.5 Amp
No load speed	7500/min
Maximum cutting diameter	14" / 35 cm
Diameter of line	0.055" / 1.4mm
Line length	2x16' / 2x5 m
Weight	6lb / 2.7 kg
Protection class	Double insulated

### 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

## ACCESSORIES

Plant guard

Auxiliary handle

Safety guard

Spool (assembled on the machine)

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## **SAFETY INSTRUCTIONS**

**⚠ WARNING!** When using electric gardening appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

**WARNING:** Read all instructions.

**WARNING:** This product maybe contains lead, phthalate or other chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. Please wash your hands after use.

### **FOR ALL DOUBLE- INSULATED APPLIANCES**

- Replacement parts. When servicing use only identical replacement parts.
- 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 a 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 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**

- Avoid dangerous environments. Don't use appliances in damp or wet locations.
- Don't use in rain.
- Keep children away. All visitors should be kept at a distance from work area.
- Dress properly. Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of protective gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- Use safety glasses. Always use face or dust mask if operation is dusty.
- 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 are available having built-in GFCI protection and may be used for an added 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.

**READ ALL INSTRUCTIONS BEFORE USING THIS 4.5 AMP LAWN TRIMMER**

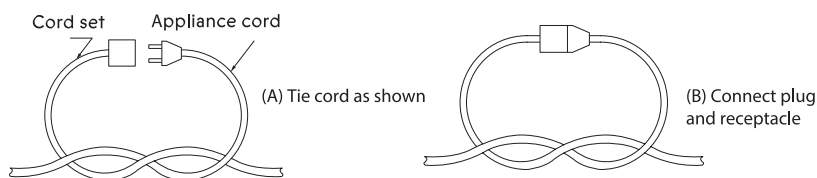


- Extension cord! Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized extension cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the 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. To reduce the risk of disconnection of appliance cord from the extension cord during operating:
  - i) Make a knot as shown in Figure 1.
  - ii) Use one of the plug-receptacle retaining straps or connectors described in this manual.
- Avoid unintentional starting. Don't carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.
- Don't abuse cord. Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- Don't grasp the exposed cutting blades or cutting edges when picking up or holding the appliance.
- Don't force appliance. It will do the job better and with less 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 appliance when you are tired.
- Disconnect appliance. Disconnect the appliance from the power supply when not in use, before servicing, when changing accessories such as blades, and the like.
- Store idle appliances indoors. When not in use, appliance(s) should be stored indoors, in a dry location out of reach of children.
- Maintain appliance with care. Keep cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Inspect appliance cord periodically, and if damaged, have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
- Check damaged parts. Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine if it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless indicated elsewhere in this manual.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

**TABLE 1 - MINIMUM GAUGE FOR EXTENSION CORDS**

Volts	Total length of cord in feet and meters			
120V	25'/7.6m	50'/15.24	100'/30.5m	150'/45.7m
240 V	50'/15.24	100'/30.5	200'/61m	300'/91.4m
Ampere rating More than Not more than	AWG			
0-6	18	16	16	14
6-10	18	16	14	12
10-12	16	16	14	12
12-16	14	12	Not recommended	



**Figure 1 Method of securing extension cord**

### EDGE TRIMMERS

- Keep guards in place and in working order.
- Keep blades sharp.
- Keep hands and feet away from cutting area.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this tool. If someone borrows this tool, make sure they have these instructions.

### ADDITIONAL SAFETY RULES FOR LAWN TRIMMER AND EDGE TRIMMER

- Keep guards in place and in working order.
- Do not use this product without the guard being fitted.
- Keep hands and feet away from cutting area.
- Do not use heavier lines than recommended in this manual.
- Do not use line materials of other types – for example, metal wire, rope, and the like.

**READ ALL INSTRUCTIONS BEFORE USING THIS 4.5 AMP LAWN TRIMMER**









## SAFETY INFORMATION

### IMPORTANT

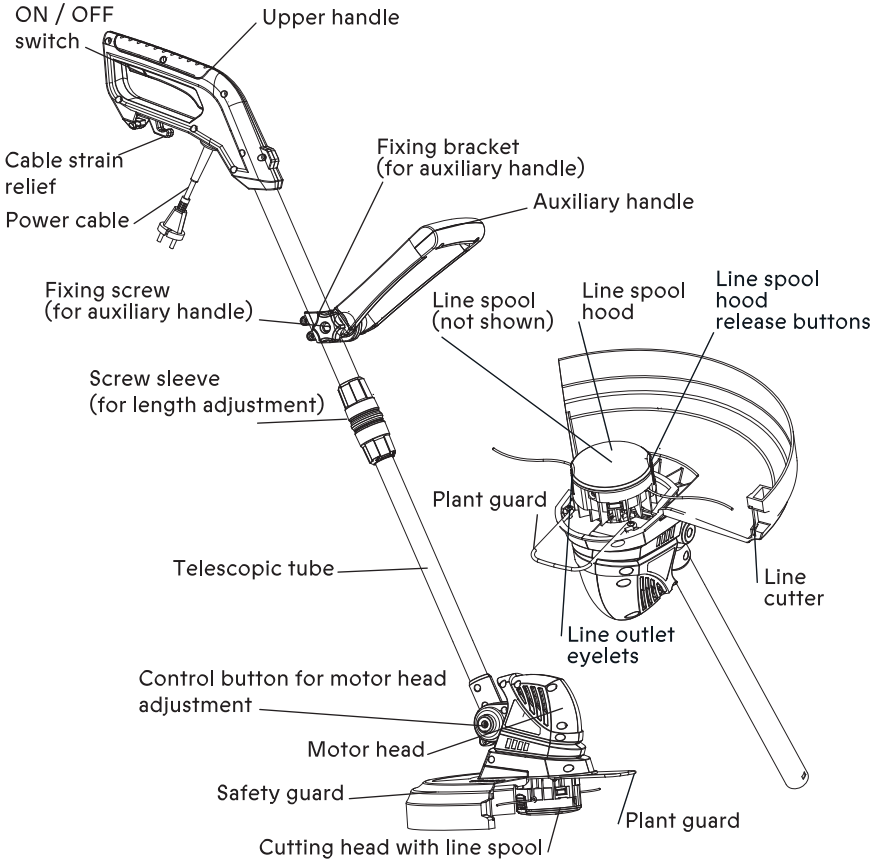
Please read these instructions fully before assembling and operating.

### SYMBOLS

The following table depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate.

	<p><b>READ THE OPERATOR'S MANUAL(S)</b> – Read, understand, and follow all instructions in the user manual before attempting to assemble and operate.</p>		<p>Double insulation</p>
	<p><b>SAFETY ALERT –</b> Indicates a precaution, a warning, or a danger.</p>		<p><b>CLEARANCE</b> Keep all objects including others at least 50' /15.2 m from this machine.</p>
	<p>To avoid possibility of electric shock, do not use in damp or wet conditions.</p>		<p>Switch off! Remove plug from mains before adjusting, cleaning or if cable is entangled or damaged.</p>
	<p><b>EYE AND EAR PROTECTION</b> 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.</p>		<p><b>THROWN OBJECTS</b> Beware of flying objects that could hit you.</p>

### KNOW YOUR 4.5 AMP GRASS TRIMMER



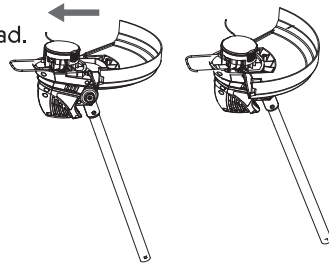
## ASSEMBLY

Always disconnect the plug before working on the trimmer and wait until the cutting lines have completely stopped. There is the danger of electric shock and the possibility of injury by the cutting lines.

**⚠** Only use original parts. Always observe the line cutter during assembly work as the line cutter can cause serious injury!

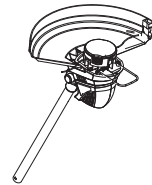
### ASSEMBLING THE PROTECTION COVER

1. Place the protection cover on the motor head. Ensure that the cutting lines are not clamped in.
2. Secure the protection cover with the cross-head screw provided.
3. Remove and discard the protective cover from the line cutter.



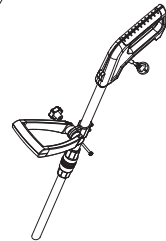
### ASSEMBLING THE PLANT GUARD

1. Place the plant guard on the motor head. Ensure that the cutting lines are not clamped in.
2. Secure the plant guard with the cross-head screw provided.



### ASSEMBLING THE AUXILIARY HANDLE

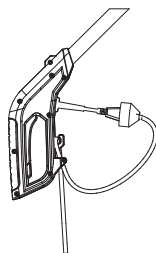
1. Completely remove the fixing screw from the auxiliary handle.
2. Clamp the auxiliary handle onto the the fixing bracket.
3. Guide the fixing screw through both the fixing bracket and the auxiliary handle's base, and tighten it just a few turns.
4. Adjust the auxiliary handle as desired.
5. Tighten the fixing screw to hold the auxiliary handle in place.



### CONNECT TO MAIN SUPPLY

**ATTENTION!** For safety reasons this product is equipped with a short pigtail power cord. Do not connect the product to the power supply via this power cord. This cord must be attached to a proper extension cord. Observe the technical requirements for this product when purchasing an extension cord.

1. Make sure the on/off switch is in the off position.
2. Double the extension cord, about 1"/3cm from the end. Lead the loop through the hole on the rear safe guard and hook the loop over the cord strain relief. Gently pull on the cord to ensure that it is firmly attached.
3. Connect the extension lead to the pigtail power cord.



### SELECT AN EXTENSION CORD

#### **⚠ WARNING**

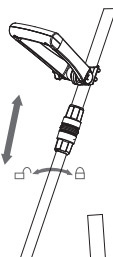
Use only a voltage supply as specified on your unit.

Extension cord gauge cord	
Length of cord	Gauge of cord
25'/7.5m	18
50'/15m	16
100'/30m	16

## OPERATION

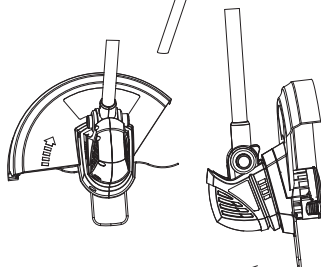
### ADJUSTING THE TELESCOPIC TUBE

1. Rotate the screw sleeve clockwise to loosen.
2. Pull or push the telescopic tube to the required length.
3. Rotate the screw sleeve counterclockwise to tighten.



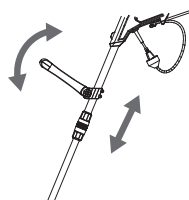
### ADJUSTING THE CUTTING HEAD

1. Press the control button for motor head adjustment on "PUSH" side by your hand.
2. Rotate the motor head to the desired position. You can choose one of three available positions.
3. Release the control button for motor head adjustment. The motor head must lock in position with an audible "click".



### AUXILIARY HANDLE ADJUSTMENT

- Adjust the angle of the auxiliary handle to ease operation and prevent loss of control.
1. Loosen the knob and move the handle up or down.
  2. Tighten the knob to secure the auxiliary handle in the adjusted position.



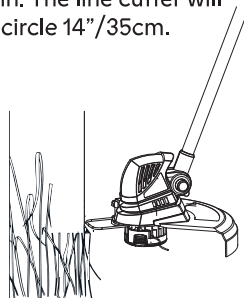
## AUTOMATIC LINE FEEDING

The machine features an auto feeding dual line ends system. The dual line ends will automatically elongate every time you switch on the machine. To support proper line elongation, make sure that the cutting head with line spool has stopped completely before switching on the machine again. The line cutter will cut the longer lines with audible sound to defined cutting circle 14"/35cm.

## PLANT PROTECTOR

Use the plant protector to keep distance to plants like flowers, trees or other objects that could be hit by the cutting device.

1. Fold the plant protector out for trimming / edging operation.
2. Fold the plant protector in for storage.



### **⚠ WARNING**

Adjust the plant protector position only when the product is switched off and the cutting device is at a complete stop!

### **⚠ WARNING**

Danger of injury! Never use the trimmer without its protective cover. Always check the operability of the trimmer before it is used. Check that the mains voltage is the same as indicated on the rating plate. Always wear goggles when working with the trimmer.

## SWITCHING ON/OFF

1. Connect the trimmer to the mains socket by extension cable.
2. Ensure a safe stance and hold the equipment firmly with both hands. Do not deposit the cutting head with line spool on the ground.
3. To switch on depress the ON / OFF switch. Release the ON / OFF switch to switch off.

After the trimmer has been switched off the cutting head will continue to rotate for a few seconds. Keep hands and feet well away to avoid injury.

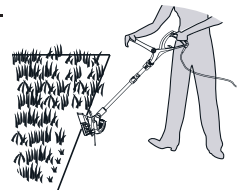
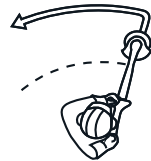
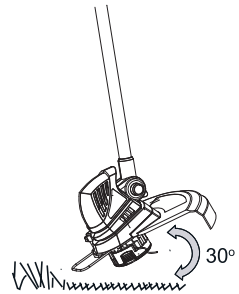
The ON / OFF switch must not be locked in place. The trimmer must not be used if the switch is damaged. There is the immediate danger of injury if the motor does not switch off after the ON / OFF switch has been released.

## TRIMMING

1. Ensure the knife protector label is removed before use. Ensure you wear gloves when removing this label.
2. Adjust the trimmer head angle to 0° for trimming operation.
3. Hold the grass trimmer firmly, keeping your balance with feet slightly apart. Alter the height of the product if needed to ensure an upright posture.

### **⚠ WARNING: DANGER OF INJURY!**

- Do not cut moist or wet grass.
  - Before starting the trimmer check that the cutting head will not come into contact with stones, rubble or other foreign bodies.
  - Switch on the trimmer before you approach the grass that is to be cut.
  - Always trail the extension cable behind you. Do not pass the operating trimmer over the extension cable as the cable could be damaged.
  - Do not overload the trimmer during operation.
  - Avoid contact with obstacles (stones, walls, fences, etc.) as this will rapidly wear out the lines.
  - Do not deposit the cutting head with line spool on the ground during operation.
  - Ensure that the cutting head with line spool has stopped before you deposit the equipment on the ground.
4. Hold the trimmer head just above the ground at an angle of approximately 30°.
  5. Move the product slowly from side to side in a swinging motion.
  6. Ensure the cutting device remains clean and free from off-cuts that may cause it to jam. Check regularly. Release the on/off switch and disconnect the product from the power supply before checking.
  7. Trim longer grass in stages; do not cut long grass in one cut. For the best results, cut longer grass in steps.
  8. Place the trimmer along the edge of the lawn, resting on the wheel.
  9. Turn product on and push the trimmer forward slowly, letting the wheel guide you while edging the lawn.



### **TIPS**

1. For best results, do not cut wet grass because it tends to stick to the cutting head and guard, prevents proper discharge of grass trimmings, and could cause you to slip and fall.
2. Do not allow the spool cover to drag on the ground or other surfaces.



3. Pay special attention when performing the work close to trees and bushes. The cutting head could damage sensitive bark, and damage fence posts.
4. Fold the plant protector out to avoid bringing the cutting device into contact with hard objects such as walls and curbs.



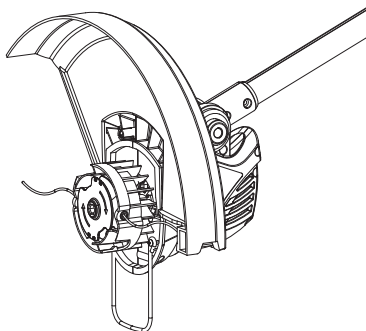
## MAINTENANCE

This product does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or Radley customer service noted on page 1.

### REPLACING THE SPOOL

**!** Never manipulate the cutting device by repairing worn out or foreign parts. Only use original spare parts. Never use metal lines. The use of foreign parts can result in serious personal injury and cause irreparable damage to the trimmer and the guarantee will become instantly null and void.

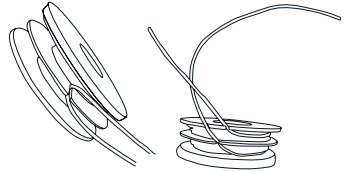
1. Disconnect the plug from the main socket.
2. Turn over the trimmer so that the cutting head with line spool is facing upwards.
3. Press both line spool hood release buttons on the line spool hood at the same time and take off the line spool hood.
4. Remove the empty line spool.
5. Free both ends of the new spools' line from their clamping. Guide both line ends through their respective line outlet eyelet with the smooth side with arrow facing upwards. Ensure that the line ends do not slip out of the spool slots.
6. Insert the new line spool into the cutting head.
7. Return the line spool hood. Ensure that the line spool hood release buttons are accurately inserted in the corresponding recesses of the cutting head with line spool. They lock in audibly.
8. Adjust the lines manually.
9. Connect the machine to main socket and switch on to check the auto feeding function.



### WINDING THE LINE

**NOTE:** Should you wish to wind the line yourself, the instructions are provided below: Self-winding, however, is NOT recommended because if the line is not wound properly it can cause the trimmer's feed system to malfunction. For this reason, users are strongly urged to purchase the pre-wound spool.

1. Hold the loose ends of the line together with one hand, find the center of the line with the other hand and hook this center loop into the groove on the spool.
2. Wind the line following the directional arrows on the spool housing and hook the two ends into the side grooves.



### LENGTHENING THE CUTTING LINES

The machine features an auto feeding dual line ends system. The dual line ends will automatically elongate every time you switch on the machine. To support proper line elongation, make sure that the cutting head with line spool has stopped completely before switching on the machine again. The line cutter will cut the longer lines with audible sound to defined cutting circle 14"/35cm.

Regularly check the lines for damage and verify the correct length.

● If no line remains visible, follow the below steps:

1. Disconnect the plug from the mains socket before the change.
2. Change the line spool (See "Maintenance").

● Manually adjust the line length:

1. Disconnect the plug from the mains socket.
2. Briefly press and release the manual line feed button. Pull out both line ends. Repeat if necessary.

### STORAGE

1. Store the product and its accessories in a dry, frost-free place.
2. Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 50 and 86°F/10 and 30°C.

### TRANSPORTATION

1. Switch the product off and disconnect from power supply before transporting it anywhere.
2. Protect the product against scratching and secure it to avoid damage from impact.

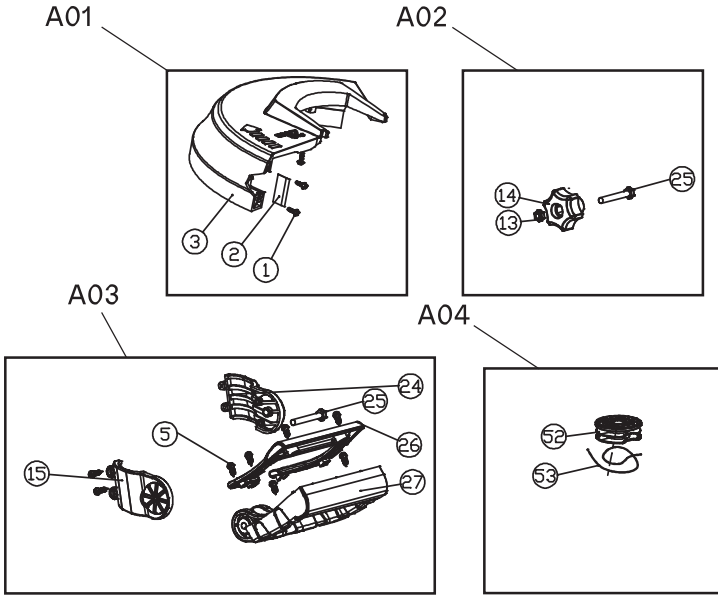
### AFTER USE

After use, disconnect the machine from the mains and check for damage. Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Mains powered trimmers should only be repaired by an authorised repairer and use only manufacturers recommended replacement parts and accessories. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place out of the reach of children. Keep the motor ventilation slots clean. Keep all working controls free of dust. If you see some sparks flashing in the ventilation slots, this is normal and will not damage your power tool.

### TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Trimmer vibrates.	Line spool is dirty.	Clean spool (see "Maintenance")
	Line spool is defective.	Exchange spool (see "Maintenance")
Trimmer does not start.	No main power.	Check cable, line, plug; repair by qualified electrician.
	On/Off switch defective. Worn carbon brushes. Motor defective.	Repair by After-Sales Service.
Poor cutting performance.	Line spool does not have sufficient line.	Lengthen cutting line (see "Trimmer settings") or exchange spool (see "Maintenance").
	Line has not been conducted out of the spool or only on one side.	Remove spool and lace line through line outlet eyelets and return spool.





## 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 lawn trimmer.

Any attempt to repair or replace parts on this lawn trimmer 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 to 5pm, Eastern Standard Time.

Number	Part sku	Part Name	Quantity
1	AAAA011001	Self-tapping screws ST3x8	1
2	AAAA011002	Blade	1
3	AAAA011003	Line guard	1
4	AAAA011004	Right motor housing	1
5	AAAA011005	Self-tapping screw ST4x16	25
6	AAAA011006	Deck	1
7	AAAA011007	Cap	1
8	AAAA011008	Spring	1
9	AAAA011009	Right tube cover	1
10	AAAA011010	Right decorative cover	1
11	AAAA011011	Lower tube	1
12	AAAA011012	Inlay	1
13	AAAA011013	Nut M6	1
14	AAAA011014	Lock knob	1
15	AAAA011015	Right support for handle	1
16	AAAA011016	Right handle	1
17	AAAA011017	Tapping screw ST4x12	1
18	AAAA011018	Switch trigger	1
19	AAAA011019	Spring	1
20	AAAA011020	Microswitch	1
21	AAAA011021	Left handle	1
22	AAAA011022	Power cord	1
23	AAAA011023	Cord sheath	1
24	AAAA011024	Left support for handle	1
25	AAAA011025	Bolt M6x40	1
26	AAAA011026	Auxiliary handle	1
27	AAAA011027	Auxiliary handle	1
28	AAAA011028	Upper tube	1
29	AAAA011029	Left tube cover	1
30	AAAA011030	Lock sleeve	1
31	AAAA011031	Linkage set	1
32	AAAA011032	Card sleeve	1
33	AAAA011033	Lock catch	1
34	AAAA011034	Left motor housing	1

Number	Part sku	Part Name	Quantity
35	AAAA011035	Upper end cover	1
36	AAAA011036	Left decorative cover	1
37	AAAA011037	Carbon brush assembly	2
38	AAAA011038	Brush holder	2
39	AAAA011039	Pinouts for brush holder	2
40	AAAA011040	Nut M4	2
41	AAAA011041	Deep groove ball bearings 608	2
42	AAAA011042	Cross recessed pan head screw M4*60	2
43	AAAA011043	Stator	1
44	AAAA011044	Rotor	1
45	AAAA011045	Lower motor cabinet	1
46	AAAA011046	Fan	1
47	AAAA011047	Hollow copper willow nail	1
48	AAAA011048	Six angle bolts in M5*30	1
49	AAAA011049	Insert	1
50	AAAA011050	Shift button	1
51	AAAA011051	Spring	1
52	AAAA011052	Winding disk	2
53	AAAA011053	Cutting filament	1
54	AAAA011054	Wireboard	1
55	AAAA011055	Wire trimming	1
56	AAAA011056	Winding cover	2
A01	AAAA011057	Line guard assembly	1
A02	AAAA011058	Lock knob assembly	1
A03	AAAA011059	Auxiliary handle assembly	1
A04	AAAA011060	Winding disk assembly	1

## **WARRANTY**

### **RADLEY 4.5 AMP GRASS TRIMMER 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. For use at the consumer level. The warranty is not for industrial or commercial applications.





4.5A

120V - 60Hz

# Grass Trimmer



3 Year  
limited  
warranty

Manual  
Owner's



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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