

# Radley®



20V Max\*

# Rototiller

*3 Year limited warranty (for tool)  
and 2 year limited warranty  
(for the battery and charger).*

*Includes  
1 battery and  
1 charger*

*Owner's  
Manual*



GY223101



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

\*Uses one 20V Max lithium-ion battery that delivers an initial battery voltage (measured without a workload) of 20 volts. Nominal voltage is 18V.

## PRODUCT SPECIFICATIONS

<b>GARDEN TILLER</b>	
No Load blade speed	270 RPM
Clearing width	6"/15 cm
Clearing depth	6.3"/16 cm
Weight	11.2 lb/5.1 kg

<b>BATTERY AND CHARGER</b>	
Battery voltage:	20V 4.0Ah Li-ion (Maximum charged battery voltage, measured without load, is 20V with a nominal value of 18V)
Charger	Up to 140 Minutes
Replacement battery	5350-014
Replacement charger	5350-013

### Need Assistance?

Call us on our toll free customer support line:

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

- Technical questions
- Replacement parts
- Parts missing from package

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## GENERAL SAFETY WARNINGS

**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.

**The instruction manual includes the following:**

- General Safety Warnings
- Specific Safety Rules and Symbol
- Functional Description
- Assembly
- Operation
- Maintenance
- Accessories

## EYE, EAR & LUNG PROTECTION



**WEAR CSA APPROVED  
EYE PROTECTION**



**WEAR EAR  
PROTECTION**



**WEAR A  
FACE MASK**

**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!** Non-compliant eyewear can cause serious injury if broken during the operation of a garden tool.

**ALWAYS WEAR EAR PROTECTION**

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

**WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A GARDEN TOOL IN A DUSTY ENVIRONMENT.**

**⚠ WARNING!** Dust that is created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities. These chemicals include: Lead from lead-based paints; Crystalline silica from bricks, cement, and other masonry products; Arsenic and chromium from chemically treated lumber. The level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area, and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

**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, 15AMP 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.

**POWER TOOL SAFETY**

**WARNING! Read all safety warnings and all 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.**

**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.

**READ ALL INSTRUCTIONS BEFORE USING THIS GARDEN TILLER**

**If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD 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.

**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 energising 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.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

**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.

**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.

**Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

#### **SERVICE**

**Have your power tool or charger serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

**READ ALL INSTRUCTIONS BEFORE USING THIS GARDEN TILLER**

## **GARDEN TILLER SAFETY**

### **Familiarization**

Read the instructions carefully. Be familiar with the controls and the proper use of the garden tiller.

Never allow children or people unfamiliar with these instructions to use the garden tiller. Local regulations can restrict the age of the operator.

Never work while people, especially children, or pets are nearby.

Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

### **Preparation**

Always wear substantial footwear and long trousers while working. Do not operate the garden tiller when barefoot or wearing open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties.

Thoroughly inspect the area where the garden tiller is to be used and remove all objects which can be thrown by the garden tiller.

Before using, always visually inspect to see that the blades, blade bolts and cutting blade assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance. Replace damaged or unreadable labels.

**CAUTION!** Do not touch rotating blades.

### **Operation**

Operate the garden tiller in daylight or in good artificial light. Always be sure of your footing on slopes.

Walk, never run.

Work across the face of slopes, never up and down.

Exercise extreme caution when changing direction on slopes.

Do not till excessively steep slopes.

Use extreme caution when reversing or pulling the garden tiller towards you.

Start the garden tiller or switch on the garden tiller carefully according to instructions and with feet well away from the blade(s).

Do not put your hands or feet near or under rotating parts.

Never pick up or carry a garden tiller while the motor is running.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**



Never operate the garden tiller with defective guards, or without safety devices. Stop the machine and remove battery. Make sure that all moving parts have come to a complete stop:

- Whenever you leave the garden tiller.
- Before clearing blockages or unclogging chute.
- Before checking, cleaning or working on the garden tiller.
- After striking a foreign object. Inspect the machine for damage and make repairs before restarting and operating the garden tiller

If the garden tiller starts to vibrate abnormally (check immediately)

- Inspect for damage.
- Replace or repair any damaged parts.
- Check for and tighten any loose parts.

### **MAINTENANCE AND STORAGE**

Keep all nuts, bolts and screws tight to be sure the garden tiller is in safe working condition.

Be careful during adjustment of the garden tiller to prevent entrapment of the fingers between moving blades and fixed parts of the garden tiller.

Allow the garden tiller to cool before storing in any enclosure.

When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.

Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.

Wear strong work gloves when removing and reassembling the blades.

Do not store batteries in a garage or shed over the winter as it will damage battery life.







### **BATTERY PACK RECYCLING**

**To preserve our natural resources, please recycle or dispose of batteries properly.** The batteries charged by this charger may contain chemicals and metals that are harmful to the environment. Never dispose of rechargeable batteries in your normal household garbage or in landfill sites as they will add to the pollution of the environment.














### SAFETY SYMBOLS

**WARNING!** Please read all of the safety and operating instructions carefully before using this tool. Please pay particular attention to all sections of this User Guide that carry warning symbols and notices. Some of the following symbols may be used on this tool.

V	Volts
A	Ampere
Hz	Hertz
W	Watts
kg	Kilograms
min <sup>-1</sup>	per minute
mm	Millimetre
 or a.c.	Alternating current
$n_0$	No load speed
	Diameter
	Lock / to tighten or secure
	Unlock / to loosen
	Warning! Danger.
	Read the operator's manual

	Wear hearing protection.
	Wear CSA Approved Eye Protection.
	Wear a face mask.
	Wear protective helmet and eye protection.
	Wear protective gloves.
	Wear protective footwear.
	Do not expose the product to rain or wet conditions.
	Keep hands and feet away from sharp rotating parts – danger of injury! When cleaning, repairing, or inspecting, make certain the cutting device and all moving parts have stopped.
	Cutting device continues to rotate after the product is switched off. Wait until all machine components have completely stopped before touching the product.
	STOP

 	<p>Objects thrown by the product could hit the user or other bystanders. Always ensure that other people and pets remain at a safe distance from the product when it is in operation. In general, children must not come near the area where the product is.</p>		<p>Inspect the area where the product is to be used and remove all objects which can be thrown by the product. If objects are hidden while operating stop the product and remove the object.</p>
	<p>Keep extension cord away from the tines during operation! Danger of electric shock.</p>		<p>Remove plug from the power source immediately if the power cord is damaged or cut.</p>
 	<p>Disconnect from the mains plug if the cord is damaged or entangled. <b>DO NOT TOUCH THE CORD BEFORE DISCONNECTING THE SUPPLY.</b></p>		<p>Protection class II (Double insulation)</p>
	<p>Recycle electrical waste products in an environmentally safe way where facilities exist.</p>	 	<p>WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.</p>



GY223101

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

UL 82, CSA C22.2 NO.147

### KNOW YOUR GARDEN TILLER



Battery charger  
5350-013



Battery 5350-014



## CHECKING THE BATTERY CHARGE STATUS

The level of charge remaining in the battery can be checked by using the battery LED power indicator that is contained on the end of the battery.

**NOTE:** The battery charge remaining may be checked while the battery is installed in the tool with the ON/OFF switch turned OFF. It may also be checked while the battery is removed from the tool. DO NOT check the battery charge remaining while the battery is in the charger. You will get a false reading and you may also damage the battery status system.

1. Press and hold the battery status button located on the end of the battery
2. One or more of the Three LED lights in the LED window will come ON to indicate the amount of charge that is remaining in the battery as follows:

1 light (Red light ON)	2 lights (Red and Orange light ON)	3 lights (Red/Orange/Green ON)
1/3 or less	1/3 - 2/3	2/3 - Fully charged



3. Release the battery status button to turn the LED's OFF.

## ASSEMBLY AND OPERATING

### CHARGING THE BATTERY PACK

1. Place the battery charger (1) in a dry location near a 110–120V 60 Hz electrical outlet (Fig. 2).
2. Plug the battery charger into the outlet and make sure the green LED indicator light (5) comes ON. If it does not, refer to the chart (Fig. 3) to identify the problem.
3. Turn the battery (2) upside down and slide it onto the charger.

**NOTE:** Make sure the grooves (3) in the sides of the battery slide over the matching tabs on the charger (4) until the battery latch “clicks” into place.

### NOTES:

1. When the charger is plugged into the wall receptacle and NO battery is on the charger, the green indicator light (5) will turn ON indicating the charger is “live”.
2. When a discharged battery is installed on the charger, the green indicator light will turn OFF and the red indicator light (6) will turn ON. The red indicator light indicates the battery is being charged.
3. If the red indicator light does not come ON, check to make sure battery pack is slid fully into the charger and the electrical outlet is working properly.
4. See Fig. 3 on the following page for other indicator light functions.
5. A discharged battery pack should be fully charged in approximately 140 minutes.
6. It is normal for the battery charger to hum and be warm to the touch during operation.
7. If the battery pack does not charge properly, check to make sure the electrical outlet is “live”.
8. Do NOT charge batteries when the work area or the battery temperature is at or below 41° F/5°C or above 105° F/40.5°C .



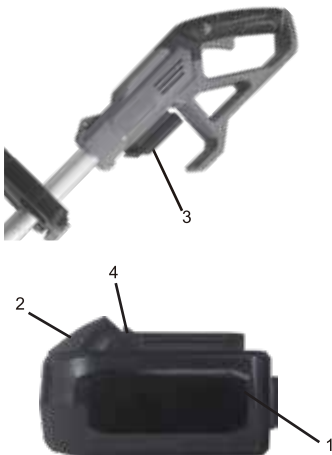
**Fig. 2**

Green Light	Red Light	Battery Inserted Into Charger	Charging Status
ON	OFF	NO	Charger connected to power supply.
OFF	ON	YES	Battery being charged.
ON	OFF	YES	Battery fully charged.
ON	OFF	YES	Battery is charged but not operational on tool. This may indicate defective / bad contact on battery or charging conditions are either too hot or too cold.

**Fig. 3**

### INSTALLING A BATTERY ON THE GARDEN TILLER

1. Remove the discharged battery (1) from the garden tiller by pressing downward on the battery release button (2) and sliding the battery backward until it is removed from the garden tiller port (3) (Fig. 4).
2. Slide the fully charged battery onto the matching keys (4) in the garden tiller port (3) where the discharged battery has been removed.



**Fig. 4**

**NOTE:** Make sure the slots in the battery are fully engaged with the mounting keys in the garden tiller port (3). The battery release button will “click” into place when the battery is fully installed.

**WARNING:** Do not immerse the battery pack in water. Sudden cooling could cause a hot battery to explode or leak.

## UNPACKING

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices if applicable.
3. Make sure the contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact Customer service at 1-866-349-8665. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

**⚠ WARNING!** The garden tiller must be fully assembled before operation! Do not use a garden tiller that is only partly assembled or assembled with damaged parts! Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the garden tiller!  
Do not connect the garden tiller to power before it is completely assembled!

**NOTE:** Take care of small parts that are removed during assembly or when making adjustments. Keep them secure to avoid loss.

## LOCK-OFF AND TRIGGER SWITCHES

The garden tiller is equipped with both a lock-off button and trigger switch. To turn the

1. Press the lock-off button (1) (Fig.5).
2. While continuing to press the lock-off button, squeeze the trigger switch (2).
3. When the garden tiller starts, release the lock-off button while continuing to squeeze the trigger switch. The garden tiller will continue to run.  
To turn the garden tiller OFF, release the trigger switch.

**NOTE:** To restart the garden tiller, press the lock-off button and squeeze the trigger switch.



Fig. 5

### Adjusting the Auxiliary handle

The auxiliary handle mounting bracket can be slid up or down the telescoping tube, rotated from side to side or tilted forward or backward to place the auxiliary handle in the most comfortable position. Turn locking knob (1) (Fig. 6) before adjusting the auxiliary handle position and retighten it to lock the auxiliary handle in the new position.



Fig. 6

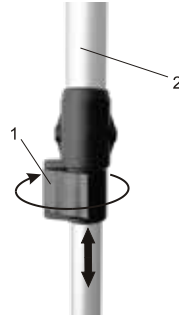


Fig. 7

### ADJUSTING THE TELESCOPING SHAFT

The telescoping shaft length can be adjusted to suit the height of the person operating the tool.

1. Open the locking lever on the telescoping shaft by pulling it open and away from the shaft of the tool (Fig.7)
2. Slide the lower section of the telescoping shaft (2) in or out until the desired shaft length is achieved.
3. Once the desired length is achieved , push the locking lever back in toward the shaft of the tool to lock shaft into place.



## GENERAL OPERATION

1. Check the garden tiller, its power cord and battery as well as accessories for damage before each use. Do not use the garden tiller if it is damaged or shows wear.
2. Double check that accessories or blades are properly fixed.
3. Always hold the garden tiller by its handle. Keep the handle dry and free from lubricant to ensure safe support.
4. Ensure that the air vents are always unobstructed and clear. Clean them if necessary with a soft brush. Blocked air vents may lead to overheating and damage the garden tiller.
5. Switch the garden tiller off immediately if you are disturbed while working by other people entering the working area. Always let the garden tiller come to complete stop before leaving it unattended.
6. Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the garden tiller.

**⚠ WARNING!** In some countries regulations define at what time of the day and on what special days products are allowed to be used and what restrictions apply! Ask your community for detailed information and observe the regulations in order to preserve a peaceful neighbourhood and avoid committing administrative offences!

## STARTING/STOPPING

**⚠ WARNING!** Before starting, put the garden tiller on the soil!



Keep your feet well away from the tines! The tines will continue to rotate for a short period after the garden tiller has been switched off.

1. Stand behind the grip handle.
2. While pressing the lock-off button, pull the trigger switch towards the grip handle.
3. After the tiller starts, release the lock-off button.
4. Release the start lever to stop the garden tiller.

### TILLING

1. Make sure that the area to be tilled is clear of stones, sticks, wire or other objects that could damage the tiller .
2. Do not till very wet soil because it tends to stick to the cutting device(tines) preventing the proper rotation, and it could also cause you to slip and fall.
3. Always maintain a firm grip on the product (Fig. 8).



Fig. 8



Fig. 9



**WARNING!** Never carry tiller as shown in Fig 9. this could engage tines resulting in serious injury.

4. Do not try to till too deeply or force the garden tiller into soil that is extremely hard or resistant.
5. Walk the garden tiller through the soil at a normal pace and in as straight a line as possible.
6. Till in slightly overlapping rows. The most effective pattern for tilling soils is moving the garden tiller up and down in verticals lines, then move the garden tiller in horizontal lines from left to right (Fig. 10). This will keep the rows even and ensures that all the ground is tilled without missing any spots.
7. Pay special attention when changing direction.

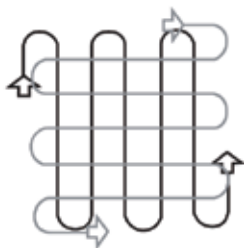


Fig. 10

**⚠ WARNING!** If the garden tiller strikes a foreign object stop immediately! Let the garden tiller cool down and thoroughly inspect the product for damage! Have any damage repaired before restarting!  
Extensive vibration of the garden tiller during operation is an indication of damage! Stop the motor. The product should be promptly inspected and repaired!

## MAINTENANCE

**⚠ WARNING!** Always switch the garden tiller off, remove battery and let the garden tiller cool down before performing inspection, maintenance and cleaning work!

1. Keep the garden tiller clean. Remove debris from it after each use and before storage.
2. Regular and proper cleaning will help ensure safe use and prolong the life of the garden tiller.
3. Inspect the garden tiller before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.

**⚠ WARNING!** Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

## CLEANING


1. Clean the garden tiller with a dry cloth. Use a brush for areas that are hard to reach.

**NOTE:** Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this garden tiller as they might be harmful to its

2. Check for any damage and wear. Repair damages in accordance with this instruction manual or take it to an authorised service centre before using the garden tiller again.

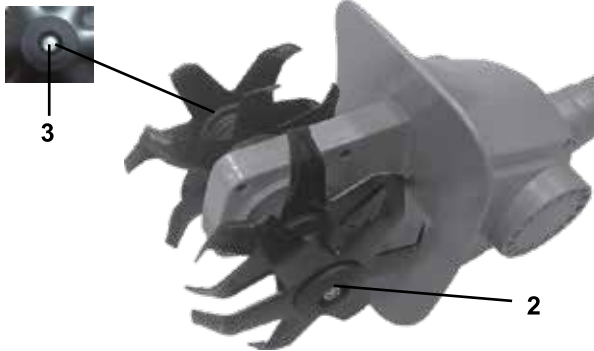
## UNDERBODY AND CUTTING DEVICE (TINES)

**⚠ WARNING!** Wear safety gloves when working on the tine and close to it!

 Never use your bare hands!

Always use original spare parts for replacement. Do not attach any other type of cutting tines! The replacement of the cutting tines should be done by a qualified specialist!

1. Keep the underbody and tines clean and free of debris. Remove soil from the cutting device (tines) with a proper brush or tool.
2. All nuts and bolts must be checked periodically for tightness before operation. After prolonged use, especially in sandy soil conditions, the cutting device (tines) will become worn and lose some of the original shape. Tilling efficiently will be reduced and the cutting device (tines) should be replaced.
3. Have worn or damaged working parts replaced with new ones of the same type by a qualified specialist.
4. Hold the nut (3) firmly using a suitable wrench, and loosen the hex bolt (2) counterclockwise using a suitable socket wrench, and then remove them and keep them secure to avoid loss (Fig.11).



**Fig. 11**

5. Replace the new tines with the same type. Align the mounting holes of the tine and the tine shaft, pass the hex bolt through the mounting holes, and fix the tine with the nut. Hold the nut firmly using a suitable wrench, then tighten the hex bolt clockwise using a suitable socket wrench with 33 - 44 ft lb to ensure safe operation of your product (Fig. 12).



**Fig. 12**

6. To prolong the life span of the cutting device (tines) and the garden tiller, it is recommended that the tines are lubricated after each use.

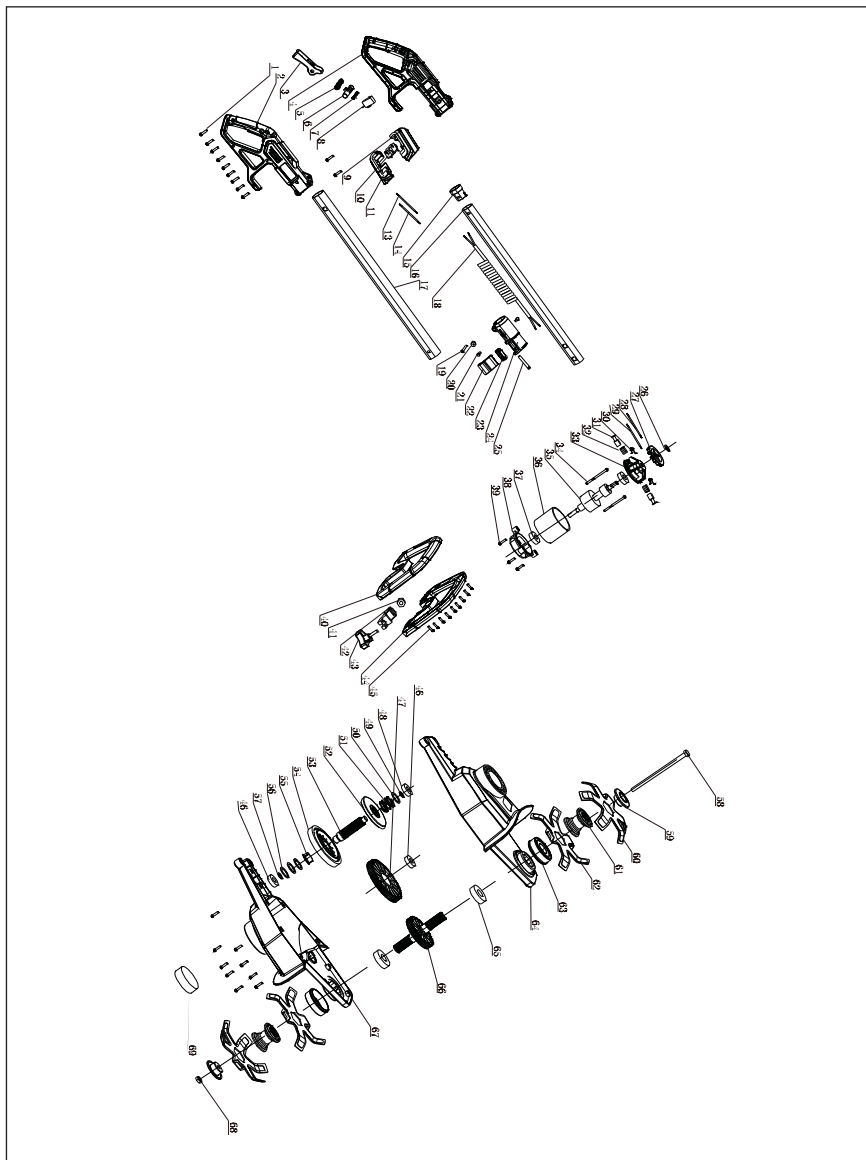
### **STORAGE**

1. Switch the product off and disconnect it from the power supply.
2. Clean the product as described above.
3. Store the product and its accessories in a dry, frost-free place.
4. 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.
5. Remove stubborn dust with high pressure air (43 psi).
6. We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

### **TRANSPORTATION**

1. Switch the garden tiller off and disconnect from battery before transporting it anywhere.
2. Always transport the garden tiller by its carry handle.
3. Protect the garden tiller from any heavy impact or strong vibrations which may occur during transportation in vehicles.
4. Secure the garden tiller to prevent it from slipping or falling over, damage and injury.

### 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 garden tiller.

Any attempt to repair or replace electrical parts on this garden tiller 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 – Friday from 9am to 5pm Eastern Standard Time.

Always order by PART NUMBER, not by key number.

Key #	Part #	Part Name	Quantity
1	33SBADC004160101	Screw	11
2	3119710201094001	Right handle	1
3	3122510101157001	Switch	1
4	3119710101094001	Left handle	1
5	3222510201060001	Spring	1
6	3122510301058001	Side switch button	1
7	3222510101060001	Spring	1
8	3222710101032001	Switch	1
9	3121810101039001	Battery pack left bracket	1
10	3100810101049001	Insert	1
11	3121810201039001	Battery pack right bracket	1
12	/	/	/
13	3421910501027001	Internal wiring 5	1
14	3422710601027001	Internal wiring 6	1
15	3122510501037001	Pipe joint 3	1
16	3222310201038001	Inner pipe	1
17	3222310101038001	Outer tube	1
18	3422510101059001	Spring wire	1
19	33SBADC005180101	Screw	1
20	33NDD0050101	Locknut	2
21	322510101009001	Rivet	2
22	3122510301157001	Locking trigger	1
23	3122510201072001	Locking block	1
24	3122510601037001	Expansion joint	1
25	3222510301020001	Shaft	1
26	3CC0070101	Clamp spring	1
27	3122310101022001	Fan	1
28	3422530101027001	Connecting line 1	1
29	3417910501027001	Internal wiring 5	1
30	3214100501060001	Torsional spring	2
31	3419960101035001	Carbon brush	2

Key #	Part #	Part Name	Quantity
32	3214100101023001	Carbon brush holder	2
33	3114100101036001	Carbon brush frame	1
34	3296000101074001	Stator screw	2
35	3422310201013001	Rotor	1
36	3422310201005001	Stator screw	1
37	33DB608002011	Bearing	2
38	3122310101039001	Motor bracket	1
39	33SBADC004160101	Screw	3
40	3122510401094001	Top auxiliary handle	1
41	33NAD0060101	Hex nut	1
42	3122510101072001	Auxiliary handle assembly block	1
43	3122510401058001	Knob	1
44	3122510301094001	Bottom auxiliary handle	1
45	33SBADC004160101	Auxiliary handle screw	8
46	33DB6002002011	Bearing	2
47	3140400101052001	Mid gear	1
48	33DB6001002011	Bearing	1
49	33CC0200101	Clamp spring	1
50	3240400201030001	Washer 2	3
51	3240400101060001	Spring	1
52	3240400101139001	Clutch disc	1
53	3240400101020001	Gear shaft	1
54	3140400301052001	Large gear wheel	1
55	3222310101023001	Axle sleeve	1
56	3240400101030001	Washer 1	1
57	33CC0150101	Clamp spring	1
58	3222310101074001	Hexagon bolt	1
59	3140400101069001	Outside block	2
60	3240400101132001	Blade 1	2
61	3140400101023001	Middle bushing	2
62	3240400201132001	Blade 2	2
63	3140400201069001	Inside cover	2
64	3122310101001001	Left casing	1
65	33DB6004002011	Bearing	2
66	3140400201052001	Output shaft gear	1
67	3122310101002001	Right casing	1
68	33NDD0080101	Locknut	1
69	3122310101025001	Helical coil	1



## **WARRANTY**

### **RADLEY 20V MAX TILLER 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. Two years for battery and charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts and light bulbs. 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.

20 V Max\*

# Rototiller

owner's  
Manual

Includes  
1 battery and  
1 charger



5140-002

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