

# Radley®

## Pole Saw

20V  
Max\*

8" Bar



Telescopic shaft  
extends up to  
9' / 2.8 m

Includes 1 battery  
and 1 charger

Owner's Manual  
3 Year *limited*  
warranty



Intertek  
3042597  
JD550320

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

\*Maximum initial battery voltage (measured without a workload)  
is 20 volts. Nominal voltage is 18 volts.



**WEAR CSA APPROVED  
EYE PROTECTION**



**WEAR EAR  
PROTECTION**



**WEAR A  
FACE MASK**

**PRODUCT SPECIFICATIONS**

<b>8" Pole Saw</b>	
Voltage	20 V
Chain speed	5 m/s
Chain length	8" /20cm
Drive links	33
Max. cutting diameter	6" / 15.2cm
Pole saw can be extended from	6¾' to 9½' / 2.05 m-2.8 m
Chain pitch	3/8"
Chain gauge	0.05"
Weight	10½ lbs. / 4.7 kg

<b>BATTERY AND CHARGER</b>	
Battery voltage	20V 2.0 Ah Li-ion (Maximum charged battery voltage, measured without load, is 20V with a nominal value of 18V).
Charger	Up to 5 hours, Class 2
Replacement battery	5350-547
Replacement charger	DKYC2100400U

**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

**⚠ 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.

The term power tool in the warnings refer to your electric (corded) power tool or battery operated (cordless) power tool.

### 1. Work area safety

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) 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.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### 2. Electrical safety

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) 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.
- e) 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.
- f) 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.

**READ ALL INSTRUCTIONS BEFORE USING THIS 8" POLE SAW**



**3. Personal safety**

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) 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.
- g) 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.

**4. Power tool use and care**

- a) 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.
- b) 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.
- c) 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.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

- d) 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.
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, 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.

### **5. Battery tool use and care**

- a) Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- b) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

### **6. Service**

- a) Have your power tool 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 8" POLE SAW**

**⚠ WARNING!** Before inspecting, cleaning, or servicing the machine, remove the battery and wait for all moving parts to stop. Failure to follow these instructions can result in serious personal injury or property damage.

**⚠ WARNING!** Do not use this appliance without reading this instruction manual.

**⚠ WARNING!** Do not use the appliance within range of persons unless they are wearing protective clothing.

**⚠ WARNING!** Do not operate the cordless power tool in a tree, on a ladder, or on a scaffold. Using the tool under such circumstances is extremely dangerous.

**⚠ WARNING!** Do not let familiarity with this type of tool prevent you from taking all necessary precautions. Remember that a careless fraction of a second is sufficient to inflict serious injury.

**⚠ WARNING!** The cordless pole saw must be fully assembled before operation! Do not use the tool that is only partly assembled or assembled with damaged parts!

**⚠ WARNING!** Starting, stopping, and restarting an electric motor repeatedly within a few seconds can generate a great deal of heat and damage the motor. To protect the life of your cordless power tool, always wait at least five seconds after stopping before restarting the unit.

**⚠ WARNING!** Electrical Shock Hazard – Before starting up your machine, please check it carefully for any defects. If you find any, do not start up your machine and contact customer service 1-866-349-8665.

**⚠ WARNING!** For your safety and that of others: Correct maintenance is essential to maintain the original efficiency and safety of the machine over time. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition. Never use the machine with worn or damaged parts. Damaged parts are to be replaced and never repaired.

**⚠ WARNING!** Always wear protective gloves during maintenance operations.

**⚠ WARNING!** Use only original manufacturer's replacement parts, accessories and attachments. Failure to do so can cause possible injury and poor performance.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

## SPECIFIC SAFETY RULES

Blades are sharp – Don't grasp the exposed cutting blades or cutting edges when picking up or holding the power tool.

Use two hands – Hold the telescoping pole and handle with both hands to avoid loss of control.

Remove the battery – Remove the battery from the power tool when it is not in use, before servicing it, when changing accessories, and when performing any other maintenance task.


Use head protection – Always use head protection when operating the power tool overhead. Falling debris can result in serious personal injury.

Keep all parts of the body away from the cutting blades or chain. Do not remove cut material or hold material to be cut when blades are moving. Make sure the switch is off when clearing jammed material. The blades or chain will continue moving for a while after the tool is turned off. A moment of inattention while operating the power tool may result in serious personal injury.

Carry the power tool by the handle with the cutting blade or chain stopped. When transporting or storing the power tool, always keep the blades or chain bar covered. Proper handling of the pole saw will reduce possible personal injury from the cutting blades or chain.

Hold the product by insulated gripping surfaces only, because the cutting blade or chain may contact hidden wiring. Cutting blades or chain contacting a "live" wire may make exposed metal parts of the product "live" and could give the operator an electric shock.

The unit has not been designed to provide protection from electric shock in the event of contact with overhead electric lines. Never use the power tool near any electrical power lines. Contact with or use near power lines may cause serious injury or electric shock resulting in death. Maintain a minimum clearance of 50 ft (15 m) from all power lines.

 **WARNING:** Read and understand all instructions. Be familiar with all controls and proper use of the machine. Follow all safety instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

Wear eye protection with side shields, which is marked to comply with ANSI Z87.1, along with head protection when operating this equipment.

**READ ALL INSTRUCTIONS BEFORE USING THIS 8" POLE SAW**

Dress Properly. Wear heavy long trousers, long sleeves, boots, and gloves. Do not wear loose fitting clothing, shorts, sandals, or go barefoot. Do not wear jewellery of any kind. Secure long hair above shoulder level to prevent entanglement in moving parts.

Only the pole saw operator should be in the work area.

Do not use the pole saw to cut down trees.

Keep all parts of your body away from any moving part. Keep hands away from cutting area. Always use two hands when operating the pole saw. Grip the pole saw securely with one hand on the trigger and the other hand on the pole.

Before starting the pole saw, make sure that the saw chain is not in contact with any object.

Do not allow the pole saw to make contact with grounded objects such as pipes, fences, and metal posts.

Do not force the pole saw while cutting. Apply light pressure. It will perform more effectively and safely if it is used at the rate for which it was designed.

Use extreme caution when cutting a limb that is under tension. When wood tension is released, the limb could spring back and strike the operator, causing severe injury or death.

During transport, hold the pole at its balance point, with the guide bar and chain facing to the rear.

Do not cut small brush and saplings with the pole saw. Small branches may catch in the chain and be whipped towards the operator, which could pull the operator off balance.

Never stand directly under the limb you are trimming. Always position yourself outside the path of falling debris.

Keep a firm, steady pressure on the pole saw while cutting. Do not try to cut limbs larger in diameter than the length of the guide bar.

Keep other people and pets away from the cutting end of the pole saw and at a safe distance away from the work area.

**CAUTION.** The cutting blade coasts after being turned off. Do not grasp the exposed cutting blades or cutting edges when picking up or holding the product.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

## **KICKBACK - ADDITIONAL SAFETY INSTRUCTIONS**

Kickback is a dangerous reaction that can lead to serious injury. Kickback may occur when the moving chain contacts an object at the upper portion of the tip of the guide bar or when the wood closes in and pinches the chain in the cut. Contact at the upper portion of the tip of the guide bar can cause the chain to dig into the object and stop the chain for an instant.

The result is a lightning-fast, reverse reaction which kicks the guide bar up and back toward the operator.

If the chain is pinched along the top of the guide bar, the guide bar can be driven rapidly back toward the operator, which can cause loss of control and may result in serious injury. Do not rely exclusively upon the safety devices built into the product.

With a basic understanding of kickback, you can reduce or eliminate the element of surprise. Sudden surprise contributes to accidents.

Use pole saw for cutting wood only. Do not use for cutting nonwood items.

Make sure that the area in which you are cutting is free from obstructions. Do not let the nose of the guide bar contact a log, branch, fence, or any other obstruction while you are operating the unit. Have a planned retreat path.

Cut only when visibility and light are adequate for you to see clearly.

To protect yourself from electrocution, do not operate within 15 meters of overhead electrical lines.

Before starting the motor, make sure the chain is not contacting any object.

To protect yourself from falling branches, do not stand directly under the branch or limb being cut. This unit should not be held at an angle over 60° from ground level.

Turn off the motor and make sure cutting attachment has stopped before setting unit down.

Do not operate the saw with one hand! Serious injury to the operator, helpers, bystanders, or any combination of these persons may result from one hand operation. This saw is intended for two-handed use.

Use extreme caution when cutting small-sized brush and saplings because slender material may catch in the saw chain and be whipped toward you or pull you off balance.

**READ ALL INSTRUCTIONS BEFORE USING THIS 8" POLE SAW**

When cutting a limb that is under tension, be alert for springback so that you will not be struck when the tension in the wood fibers is released.

To avoid accidental starting, never carry the unit with the battery installed or with your finger on the switch trigger.

Maintain product 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 the battery charger cord periodically, and if damaged, have it replaced or repaired by an authorized service dealer.

Keep handles dry, clean, and free from oil and grease.

Service on the product must be performed by qualified repair personnel only. Maintenance performed by unqualified personnel could result in injury to the user or damage to the product.

Battery operated units do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards even when unit is not operating.


Remove the battery pack from the pole saw before cleaning, servicing, storing, removing material from the unit, changing accessories such as the bar and chain, or when not in use.


A battery pack must be recharged only with the specified charger for the battery pack. A charger that may be suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use battery pack only with charger listed.

### **ADDITIONAL SAFETY RULES FOR CHARGERS**

Before using the charger, read all the instructions and cautionary markings on the charger and battery pack as well as the instructions on using the battery pack.

Only charge your batteries indoors as the charger is designed for indoor use only.

 **DANGER!** If the battery pack is cracked or damaged in any other way, do not insert it in the charger. There is a danger of electric shock or electrocution.

 **WARNING!** Do not allow any liquid to come into contact with the charger. There is a danger of electric shock.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

The charger and battery packs supplied with it are specifically designed to work together. Do not attempt to charge the battery pack with any other charger than the one supplied.

Do not pull on the power cord to disconnect it from the main supply socket.

Do not use the charger if it has been subjected to a heavy knock, dropped or otherwise damaged in any way. Call customer service 1-866-349-8655.

To reduce the risk of an electric shock, unplug the charger from the power supply before attempting to clean it. Removing the battery alone does not reduce the risk.

### **ADDITIONAL SAFETY RULES FOR THE BATTERY PACK**

The battery pack for this tool has been shipped in a low charge condition. You should charge the battery pack fully before use.

Do not incinerate the battery pack even if it is seriously damaged or can no longer hold a charge. The battery pack can explode in a fire.

Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks open or cracks, immediately discontinue its use and do not recharge it.

Do not store or carry the battery in a manner in which metal objects could contact the exposed metal end.

Do not place the battery in aprons, pockets, drawers, etc. with loose nails, screws, keys, etc. The battery could short circuit causing a fire, personal injury or damage to the battery.

Do not charge the battery if it is wet or shows any evidence of corrosion.

A small leakage from the battery may occur under extreme usage, charging or temperature conditions. This does not indicate a failure. However, if the outer seal is broken and this leakage gets on your skin, follow these steps:

**READ ALL INSTRUCTIONS BEFORE USING THIS 8" POLE SAW**



1. Wash immediately with soap and water.
2. Neutralize with a mild acid such as lemon juice or vinegar.
3. If liquid gets into your eyes, flush immediately with clean water for a minimum of 10 minutes and seek medical attention.

NOTE: The battery liquid is slightly acidic.

Do NOT charge the batteries when the work area or the battery temperature is at or below 41° F / 5° C or above 105° F / 40.5° C .

Unplug the charger when not in use and before cleaning or maintenance.

#### **SELF DISCHARGE**

A lithium battery can self discharge and lose its stored charge. Typically it can lose approximately 5% of its charge in the first month after fully charging (when stored at room temperature), and then loses it by a further 3% per month. When stored at higher temperatures the self discharge rate will be accelerated.

#### **BATTERY CHARGING INDOORS**

This charger is designed to be used indoors. We do not recommend that it is used inside your home. Ideally batteries should be charged on a bench in a workshop, garage or shed. If the charging operation is to be carried out in your home the area must be well ventilated and the charger must be placed on a non-combustible surface ensuring that the ventilation slots are not blocked. Never exceed the charging time except when “Conditioning” a new battery, as this could damage the battery and charger.

#### **SPECIFIC SAFETY INSTRUCTIONS FOR RECHARGEABLE BATTERIES**

Batteries may leak or explode if not charged or handled correctly. Always observe the following precautions when handling batteries. Ensure that the machine is switched off before removing or fitting batteries.

Do not use this battery with any other product.

Do not short out, or attempt to dismantle the battery.

Do not expose the battery to flames or excessive heat.

Do not immerse in or expose the battery to water.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

Do not store or transport the battery with loose metal objects such as drill and driver bits.

Batteries are prone to leakage when discharged. To avoid damage to the product, remove or recharge the battery when no charge remains. Store the battery in a cool place when not in use.

After prolonged use the battery may become hot. Before removing the battery, switch the machine off and allow the battery to cool down. Do not use the battery if you notice any discolouration or distortion of the battery casing.

### **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.










**READ ALL INSTRUCTIONS BEFORE USING THIS 8" POLE SAW**

## SYMBOLS

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.

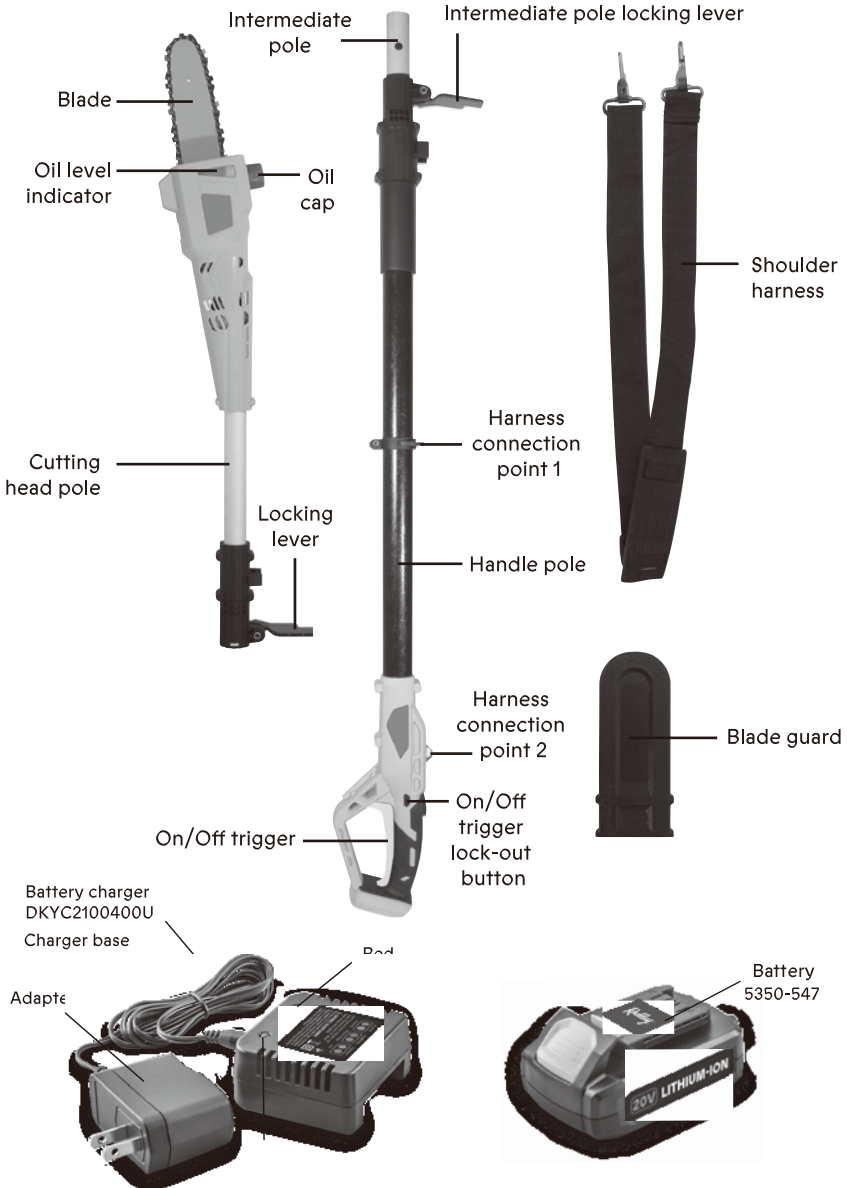
	Read the instruction manual.
	Wear suitable clothing as debris may be ejected from the machine.
	For protection against injury wear ear defenders and safety goggles.
	Keep bystanders and pets clear of the machine when in use.
	Warning!
	Contains Lithium-ion.

 	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.
	Caution: Wear protective gloves when using the machine and handling debris.
	Caution: Wear safety boots.
	Do not expose the machine to rain. Store the machine in a dry place.
	Thermal link with operating temperature.
	This product is suitable for indoor use.



This symbol designates that this tool is listed with Canadian and U.S. requirements by cETLus Testing Laboratories, Inc.  
UL82 CSA C22.2 No.147

### KNOW YOUR 8" POLE SAW



## UNPACKING

**⚠ Caution!** This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied, from the packaging. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual. Also make sure that all the accessories are complete. If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging to the retailer.

Do not throw the packaging away, keep it safe throughout the guarantee period, then recycle if possible, otherwise dispose of it by the proper means. Do not let children play with empty plastic bags due to the risk of suffocation.

## 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 (6) comes ON. If it does not, refer to the chart (Fig. 3) to identify the problem.
3. Turn the charger (4) upside down and slide it onto the battery(2).  
**NOTE:** Make sure the tabs on the charger slide over the matching grooves on the sides of the battery until the charger "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 (6) 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 (5) 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 charger pack is slid fully onto the battery and the electrical outlet is working properly.
4. See Fig. 3 below for other indicator light functions.
5. A discharged battery pack should be fully charged in approximately 5 hours.
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. 3

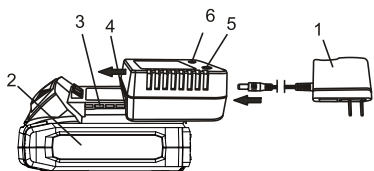


Fig. 2

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.

### INSTALLING THE BATTERY PACK IN THE 8" POLE SAW

1. Remove the discharged battery pack (1) from the tool by pressing the battery release button (2) on the rear of the battery downward (Fig. 4) and pulling the battery pack out of the tool handle (3) (Fig. 5).

2. Insert the fully charged battery pack into the matching slots in the rear of the tool handle where the discharged battery pack has been removed.

**NOTE:** The battery release button will "click" into place when the battery pack is fully installed.

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



Fig. 4



Fig. 5

## ASSEMBLY

**⚠ Warning!** To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the product when assembling parts.

### CONNECTING THE POLES

Unlock the locking lever on the cutting head pole by lifting upwards, (Fig.6). Ensure the intermediate pole locking lever is in the locked position to prevent the intermediate pole moving while being connected. Insert the plug on the intermediate pole into the socket on the cutting head pole and push together until the locking tabs are fully seated, (Fig.7). Lock the poles together by closing the locking lever on the cutting head pole, (Fig.8).

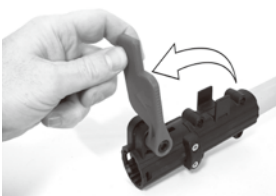


Fig. 6

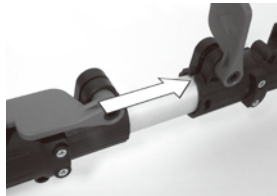


Fig. 7

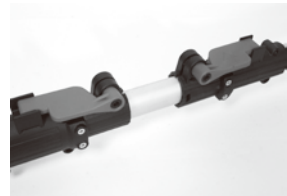


Fig. 8

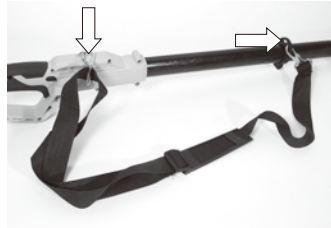
**NOTE:** When assembled correctly, the cutting head pole should not be able to separate from the intermediate pole when pulled. Repeat above steps if pole can be separated from intermediate pole.

**⚠ Warning!** Failure to securely assemble and lock all poles together as directed above could cause the poles to separate and could result in serious personal injury or death.

### ATTACHING THE SHOULDER HARNESS

Connect the latches on the shoulder harness to the harness connection points, (Fig.9).

Adjust the strap to a comfortable position.



**Fig. 9**

### INSTALLING THE BATTERY PACK

**⚠ Warning!** Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, carrying, transporting or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

**NOTE:** To avoid serious personal injury, always remove the battery pack and keep hands clear of the lock-out button when carrying or transporting the tool.

Slide the battery pack into the pole saw base, (Fig. 10) (Note the battery has raised ribs which allows it to fit into the pole saw only one way). Make sure the battery pack snaps into place and that battery pack is secured in the tool before beginning operation. Improper installation of the battery pack can cause damage to internal components.



**Fig. 10**



**Fig. 11**



### REMOVING THE BATTERY PACK

Locate the battery release catch on the top of the battery and press downwards, (Fig. 11). While holding down the battery release catch slide the battery pack away from the tool.

### ADDING BAR AND CHAIN LUBRICANT

Use bar and chain lubricant. It is designed for chains and chain oilers, and is formulated to perform over a wide temperature range with no dilution required.

The bar and chain lubricant level should be checked after every 20 minutes of use and refilled as needed.

Remove the oil cap, (Fig.12). Carefully pour the bar and chain lubricant into the bar lube reservoir.

Wipe off excess oil.

Check and fill the reservoir when the oil level indicator, (Fig.13), is below the second to last indicator line.

Repeat as needed.

**NOTE:** Do not use dirty, used or otherwise contaminated oils. Damage may occur to the bar or chain.

**NOTE:** It is normal for oil to seep from the saw when not in use. To prevent seepage, empty the oil tank after each use then run for one minute.

When storing the unit for a long period of time (three months or longer) be sure the chain is lightly lubricated; this will prevent rust on the chain and bar sprocket.



Fig. 12



Fig. 13

### OPERATION

**⚠ Danger!** Never cut near power lines, electric cords, or other electric sources. If bar and chain jams on any electrical cord or line, **DO NOT TOUCH THE BAR OR CHAIN!** THEY CAN BECOME ELECTRICALLY LIVE AND VERY DANGEROUS.

Continue to hold the pole saw by the insulated rear handle or lay it down and away from you in a safe manner. Disconnect the electrical service to the damaged line or cord before attempting to free the bar and chain from the line or cord. Contact with the bar, chain, other conductive parts of the pole saw, or live electric cords or lines will result in death by electrocution or serious injury.

**⚠ Warning!** Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury. Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

### APPLICATIONS

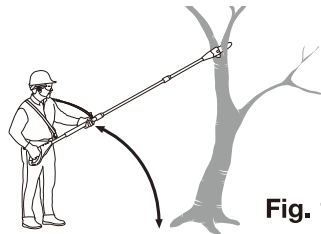
You may use this product for the purposes listed below: Limbing and Pruning

### STARTING AND STOPPING

Hold the 8" pole saw as shown in (Fig.14) and ensure that you are well away from anything that may contact the blade.

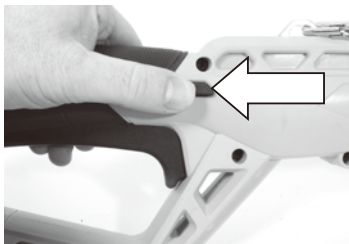
Press and hold the On/Off trigger lock-out button, (Fig.15).

Depress the On/Off trigger, (Fig.16).



**Fig. 14**

To stop the motor, release the trigger to stop the 8" pole saw. Upon release of the trigger, the On/Off trigger lock-out button will automatically reset to the locked position.



**Fig. 15**



**Fig. 16**

## PREPARATION FOR CUTTING

Wear nonslip gloves for maximum grip and protection. Maintain a proper grip on the unit whenever the motor is running. Use your right hand to firmly grip the rear handle while your left hand has a firm grip on the pole shaft.

Hold unit firmly with both hands. Always keep your left hand on the pole shaft and your right hand on the rear handle, so your body is to the left of the chain line. Never use a left-handed (cross-handed) grip, or any stance that places your body or arm across the chain line.

Never stand directly under the limb you are cutting.

## BASIC CUTTING GUIDE

Follow the steps below to prevent damage to tree or shrub bark. Do not use a back-and-forth sawing motion.

Make a shallow first cut ( $\frac{1}{4}$  of limb diameter) on the underside of the limb close to the main limb or trunk, (Fig.17-A).

Make a second cut, (Fig.17-B), from the top side of the limb outwards from the first cut. Continue the cut through the limb until the limb separates from the tree. Be prepared to balance the weight of the tool when the limb falls.

Make a final cut close to trunk. (Fig.17-C).

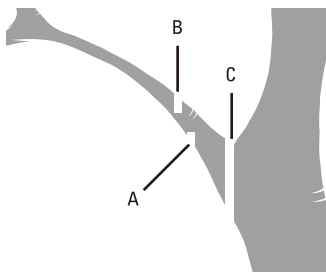


Fig. 17

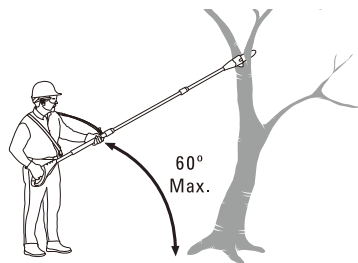


Fig. 18

**NOTE:** For second and final cuts (from top of limb or branch), hold front cutting guide against the limb being cut. This will help steady the limb and make it easier to cut. Allow chain to cut for you; exert only light downward pressure. If you force the cut, damage to the bar, chain, or motor can result.

Release the trigger as soon as the cut is completed.

Failure to follow proper cutting procedures will result in the bar and chain binding and becoming pinched or trapped in the limb. If this should happen:

Stop the motor and remove the battery pack.

If the limb can be reached from the ground, lift the limb while holding the 8" pole saw. This should release the "pinch" and free the saw.

If the saw is still trapped, call a professional for assistance.

### **LIMBING AND PRUNING**

This unit is designed for trimming small branches and limbs up to up to 6" / 152mm in diameter. For best results, observe the following precautions.

Plan the cut carefully. Be aware of the direction in which the branch will fall: Never stand directly under the limb you are cutting. Always position yourself out of the path of falling debris.

The most typical cutting application is to position the unit at an angle of 60° or less, (Fig.18), depending on the specific situation. As the angle of the 8" pole saw shaft to ground increases, the difficulty of making the first cut (from the underside of limb) increases.

Remove long branches in several stages.

Cut lower branches first to allow the top branches more room to fall.

Work slowly, keeping both hands on the saw with a firm grip. Maintain secure footing and balance.

Keep the tree between you and the chain while limbing. Cut from side of tree opposite branch you are cutting.

Never stand on a ladder or other unstable support while using the pole saw. Always avoid any position which can cause you to lose your balance and cause severe injury.

Do not make the flush cut next to the main limb or trunk until you have cut off the limb further out to reduce the weight. Following proper cutting procedures will prevent stripping the bark from the main member.

Keep other persons at least 50 feet / 15 meters from the work area. Distractions can cause you to lose control.

Electrocution Hazard. To prevent shock, do not operate within 50 feet / 15 meters of overhead electrical lines. Always check surrounding area for hidden electrical lines.

Do not overreach. Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet.

## MAINTENANCE

Before inspecting, cleaning, or servicing the unit, stop the motor, wait for all moving parts to stop, and remove the battery pack. Failure to follow these instructions can result in serious personal injury or property damage.

### GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic, which could result in serious personal injury.

All pole saw service, other than the items listed in these maintenance instructions, should be performed by competent pole saw service personnel.

### CHAIN TENSION

Never touch or adjust the chain while the motor is running. The saw chain is very sharp; always wear protective gloves when performing maintenance to the chain.

Stop the motor and remove the battery pack before setting the chain tension.

Make sure the chain cover knob, (Fig.19) is loose to finger tight. Use a 5mm hex key to turn the chain tensioning allen screw clockwise to tension the chain, (Fig.20).

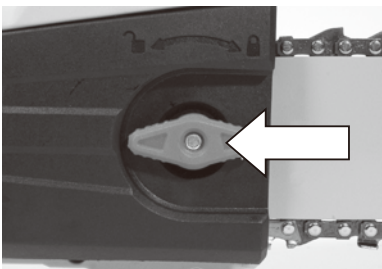


Fig. 19



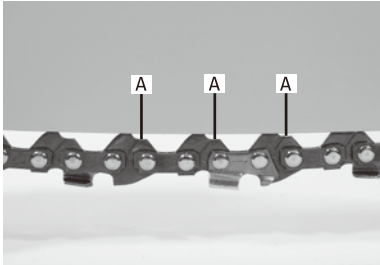
Fig. 20

Do not overtension the chain as this will lead to excessive wear and will reduce the life of the bar and chain. Overtensioning also reduces the amount of cuts you will get per battery charge.

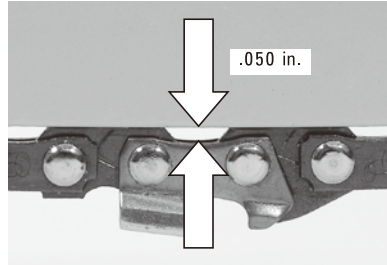
NOTE: A cold chain is correctly tensioned when there is no slack on the underside of the guide bar, the chain is snug, but it can be turned by hand without binding.

The chain must be retensioned whenever the flats, Fig.21 (A) on the drive links hang out of the bar groove as shown in Fig.21.

During normal operation, the temperature of the chain will increase. The drive links of a correctly tensioned warm chain will hang approximately .050 in. out of the bar groove, as shown in Fig. 22.



**Fig. 21**



**Fig. 22**

### **REPLACING THE BAR AND CHAIN**

Remove the battery pack before replacing the bar chain to avoid possible serious injury.

Remove the chain cover knob, (Fig.19), by turning it in a counterclockwise direction. Place the chain cover knob to one side and then remove the chain cover from the chainsaw.

The bar contains a slot, (Fig.23-A) that fits over the mounting post, (Fig.23-B). The bar also contains a chain tensioning pin hole, (Fig.23-C) which fits over the chain tensioning pin, (Fig.23-D).

Place the bar onto the mounting post so that the chain tensioning pin fits into the chain tensioning pin hole.

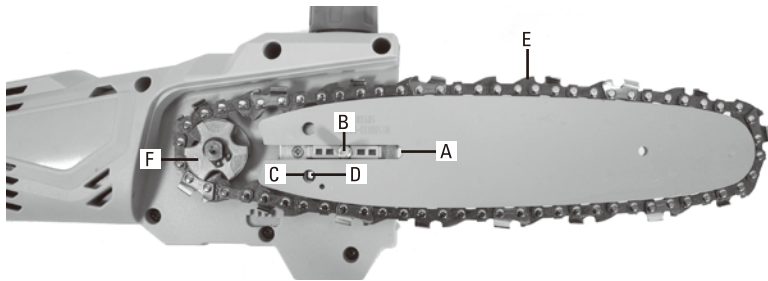
**NOTE:** If necessary, rotate the chain tensioning allen screw counterclockwise until the pin and hole can be aligned, (Fig.20).

Fit the chain, (Fig.23-E) over the sprocket, (Fig.23-F) and into the bar groove. The cutters on the top of the bar should face toward the bar tip, in the direction of the chain rotation.

Replace the chain cover and tighten the chain cover knob finger tight only.

The bar must be free to move for tension adjustment.

Remove all slack from chain by turning the chain tensioning allen screw clockwise, assuring that the chain seats into the bar groove during tensioning.



**Fig. 23**

Tighten the chain cover knob securely.

NOTE: Chain is correctly tensioned when there is no slack on the underside of the bar, the chain is snug, but it can be turned by hand without binding. If chain is too tight, it will not rotate. Loosen the chain cover screw slightly and turn chain tensioning screw  $\frac{1}{4}$  turn counterclockwise. Retighten chain cover screw securely.

### **GUIDE BAR**

Most guide bar problems can be avoided by keeping the product well maintained. Incorrect filing and nonuniform cutter and depth gauge settings cause most guide bar problems, primarily resulting in uneven bar wear. As the bar wears unevenly, the rails widen, which may cause chain clatter and difficulty in making straight cuts. Insufficient guide bar lubrication and operating the product with a chain that is too tight will contribute to rapid bar wear. To help minimise bar wear, the guide bar maintenance is recommended.

When the guide bar is dismantled, remove any sawdust from the "GROOVE" in the guide bar rail.

Disassemble the saw chain and guide bar in reversed order of assembly.

The circular groove of the guide bar will wear particularly on the lower edge with time. When replacing the chain turn the chain bar  $180^\circ$  to allow even wear, thus extending guide bar life.

Rotate the guide bar occasionally to prevent uneven wear. The guide bar rail should always have a square edge.

To check the guide bar "RAIL" for wear: Hold a ruler (straight edge) against the side of the guide bar and cutter side plates.

If there is a gap between the ruler and guide bar the guide bar rail is normal. If there is no gap (ruler flush against the side of the guide bar) the guide bar rail is worn and needs to be replaced. (See Fig.24 & 25)

Assemble the guide bar and saw chain as described under Replacing the Bar and Chain.

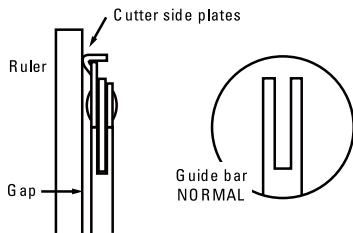


Fig. 24

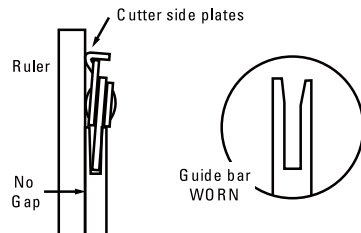


Fig. 25

### SHARPENING THE CHAIN

**⚠ WARNING!** Only sharpen the saw chain yourself if you are trained and have experience! Use proper tools to sharpen the saw chain!

It is highly recommended that, once the chain loses its ability to cut cleanly and safely, it is replaced. It is possible, however, to sharpen the existing chain if done carefully.

Have your saw chain sharpened professionally or sharpen the chain yourself using a proper sharpening kit. Follow the sharpening instructions supplied with a sharpening kit.

To sharpen the chain proceed as follows:

Tighten the chain tension enough that the chain does not wobble. Do all of your filing at the midpoint of the bar. Wear gloves for protection.

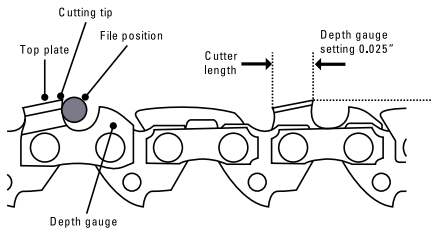
Use a round file, whose diameter is 1.1 times the cutting tooth depth. Make sure 20% of the file diameter is above the cutter's top plate.

A file guide is available from most reputable tool merchants and is the easiest way to hold the file at the correct position, (Fig.26).

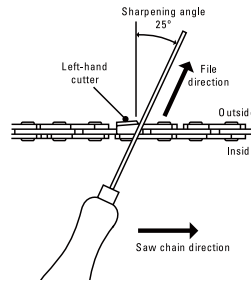
File at an angle perpendicular to the bar, and at an angle of 25° to the direction of travel, (Fig.27).

File each tooth from the inside towards outside only.





**Fig. 26**



**Fig. 27**

File one side of the chain first than turn the product around and repeat the process.

Sharpen each tooth equally by using the same number of strokes.

Keep all cutter lengths equal.

Check the safety depth gauge height every 5 sharpenings.

If the depth gauges are also trimmed it is essential that the original profile be restored.

Use a depth gauge measuring instrument to check the height of the depth gauge.

Depth gauge measuring jigs are available from most reputable tool merchants.

NOTE: Dull or improperly sharpened chain can cause excessive motor speed during cutting which may result in severe motor damage.

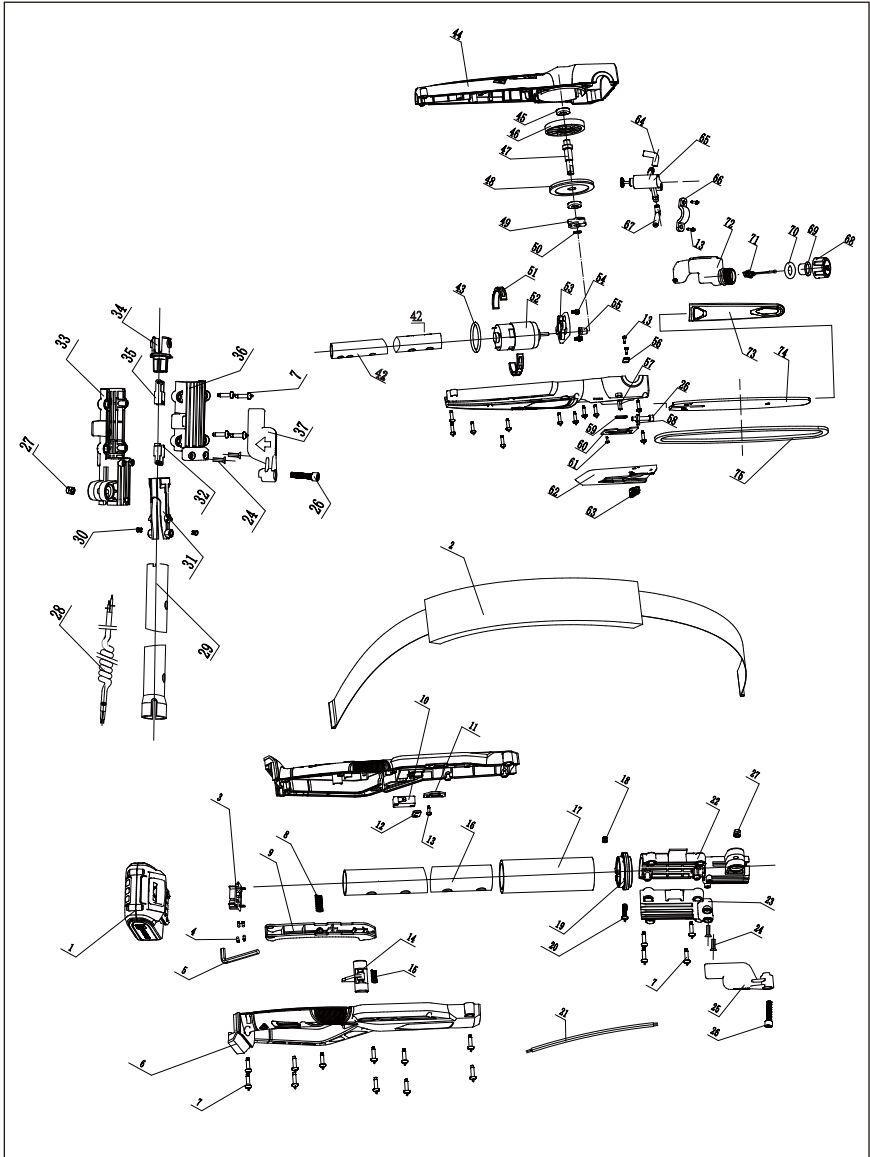
## STORAGE

Clean all foreign material from the product. Store idle unit indoors in a dry, well-ventilated area that is inaccessible to children. Keep away from corrosive agents such as garden chemicals and deicing salts.

Always place the blade guard on the saw bar when transporting or storing the pole saw. The blade guard is a snug fit and must be attached very carefully due to the sharp teeth on the saw chain. This is best done by grasping the blade guard at one end, in the center portion of the guard, and carefully sliding it over the chain. Use caution to avoid the sharp teeth of the chain.

NOTE: The saw chain is very sharp. Always wear protective gloves when handling the chain.

### 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 8" pole saw.

Any attempt to repair or replace electrical parts on this 8" pole saw 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 9am – 5pm Eastern Standard Time.

Always order by PART NUMBER, not by key number.

Key #	Part #	Part Name	Quantity
1	1290090020	Battery pack 6292(JDB5156 Euro)	1
2	6290010002	D5503-1 Strap (double hook)	1
3	3150170016	Electrode plate	1
4	3140060002	Shock absorber pad	4
5	6140020013	Wrench X30X80	1
6	3120070144	Handle housing	1
7	4030010242	Screw ST39X16-F-H	30
8	2050040068	Switch trigger spring	1
9	3120010113	Switch trigger	1
10	1062010022	Micro switch	1
11	2030030273	Linkage	1
12	3150020004	Cable wire board	1
13	4030010096	Screw ST3.9X12	5
14	3120040063	Switch lock bar	1
15	2050060218	Lock rod press spring	1
16	3120160006	JD5508 Rear handle tube	1
17	3140070025	JD5504 Handle sheath	1
18	4060010015	Hexagon nut M5 ( anti-loosening)	1
19	3150130152	JD5503 Hook plate	1
20	4020010037	Disc head screw X12, galvanized	1
21	1303020002	Internal wire	1
22	3120170001	Large external connector	1
23	3120170002	Large outer connector cover plate	1
24	4030020047	Phillips screws ST3.9×10	4
25	3120020144	Lock button B	1
26	4020080072	Hexagon screw M6X35	3
27	4060010038	Self locking nut	2
28	1190390005	Curly cord	1
29	2020230011	JD5508 Tensile aluminium tube	1
30	3140070030	Socket button	2

Key #	Part #	Part Name	Quantity
31	3150160260	Aluminum master socket	1
32	2030150071	JD5503-1 Main insert	2
33	3120170003	Front and outer connector	1
34	3150160223	Aluminum tube socket	1
35	2030150072	5503-1 Insert	2
36	3120170004	Front and outer connection plate	1
37	3120020147	Lock button A	1
42	2020230010	JD5503-1 Fixed aluminium tube	1
43	3140020136	Sealing ring (775 motor)	1
44	3010230001	Head housing	1
45	4010010022	Deep groove ball bearings	2
46	3150270001	Cam	1
47	2040290090	Spindle	1
48	2040110048	Gear	1
49	2010270001	6 Teeth sprocket	1
50	4100020033	Shaft flexible ring	1
51	3140060057	Anti vibration pads	2
52	10360070030	775 motor	1
53	3150130149	Mounting plate	1
54	4020010172	Combination screw	2
55	2040110047	Gear	1
56	2030050003	Holder	1
57	4050010055	Hexagon bolt	1
58	2030030275	Chain tensioning	1
59	3140020137	Preformed sealer	1
60	2030030274	Base pad	1
61	4030010003	Phillips ST2.9X12	1
62	1180020011	Side cover	1
63	1180050052	Lock knob	1
64	3140170001	JD5503 Intake tube	1
65	1150090001	Oil pump assembly-1(DC)	1
66	3150130148	Oil pump pressplate	1
67	3140170002	JD5503 Tube	1
68	3160090106	Tank cap	1
69	3150130151	Stop for cap string	1
70	3140020017	Sealing ring	1
71	3150130150	Oil cap retaining string	1
72	3160090107	Oil tank	1
73	3160090108	Knife set	1
74	1150100001	Chain board	1
75	1150110001	Chain	1

## **WARRANTY**

### **RADLEY 8" POLE SAW 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.

20V Max\*

# Pole Saw

8" Bar  
Telescopic shaft extends up to  
9'2.8 m



Includes 1 battery  
and 1 charger

3 Year  
limited warranty

**Radley**

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