TOOLSHOP®

241-9023



18VOLT CORDLESS 4-PIECE COMBO KIT

Operator's Manual

SAVE THIS MANUAL

You will need this manual for safety instructions, operating procedures and warranty. Put it and the original sales receipt in a safe dry place for future reference.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: ***When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.***

READ ALL INSTRUCTIONS BEFORE USING THIS TOOL

1. **KEEP WORK AREA CLEAN.** Cluttered areas can cause injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp, wet, or poorly lit locations. Don't expose tools to the rain. Keep the work area well lit. Don't use tools in the presence of flammable gases or liquids.
3. **KEEP CHILDREN AWAY.** All children should be kept away from the work area. Don't let them handle machines, tools or extensions cords.
4. **STORE IDLE EQUIPMENT.** Store equipment in a dry area to inhibit rust. Equipment also should be in a high location or locked up to keep out of reach of children.
5. **DON'T FORCE THE TOOL.** It will do the job better and more safely at the rate for which it was intended.
6. **USE THE RIGHT TOOL.** Don't force a small tool or attachment to do the work of a larger industrial tool. Don't use a tool for a purpose for which it was not intended.
7. **DRESS PROPERLY.** Don't wear loose clothing or jewelry, they can be caught in moving parts. Protective, non-electrically conductive gloves and non-skid footwear are recommended when working. Wear protective hair covering to contain long hair and keep yourself from harm.
8. **USE EYE PROTECTION.** Use a full face mask if the work you're doing produces metal filings, dust or wood chips. Goggles are acceptable in other situations. Wear a clean dust mask if the work involves creating a lot of fine or coarse dust.
9. **DO NOT TOUCH BITS OR BLADES WITH HANDS AFTER USE.** They can become extremely hot after job is completed.
10. **SECURE WORK.** Use clamps or a vise to hold the work if possible. It's safer than using your hands and it frees both hands to operate the tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times. Do not reach over or across machines which are running.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and safe performance. Follow instructions for lubricating and changing accessories. Keep handles dry, clean and free from oil and grease.
13. **REMOVE ADJUSTING KEYS AND WRENCHES.** Make it a habit to check that keys and adjusting wrenches are removed from any rotating tool before using.
14. **AVOID UNINTENTIONAL STARTING.** Don't carry tools with a finger on the switch. Be sure the direction switch is in the **STOP** position when not in use or when changing attachments.
15. **STAY ALERT.** Watch what you are doing & use common sense. Don't operate any tool when you are tired.
16. **CHECK FOR DAMAGED PARTS.** Before using tool, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mountings, and other conditions that may affect its operation. Check bits and blades to make sure they are sharp and not chipped. Inspect screws and tighten any ones that are loose. Any part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in the instruction manual. Have defective switches replaced by an authorized service center.
    Don't use the tool if switch does not turn on and off properly.
17. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces: pipes, radiators, ranges, and refrigerator enclosures. When drilling or cutting into walls, floors, or wherever "live" electrical wires may be encountered, try to ascertain whether there is a danger of shock. Even so, DO NOT TOUCH THE CHUCK OR ANY FRONT METAL PARTS OF THE TOOL. Hold the tool only by the plastic handle or the side grip to prevent electric shock if you hit a live wire.
18. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.

PRECAUTION FOR BATTERY AND CHARGER

CHARGE BATTERY AT LEAST 6 HOURS before initial use.

1. **CHARGE AT ROOM TEMPERATURE.** The temperature must be higher than 32°F and lower than 122°F.
2. **DO NOT CHARGE IF CHARGER'S CORD OR PLUG IS DAMAGED.** Charging with damaged cord may result in fire or electrical shock. If charger is damaged in any way, have it repaired by a qualified serviceman.
3. **DO NOT CAUSE A SHORT IN THE BATTERY TERMIANLS.** Take care that metal such as paper clips, nails, the sides of a metal tool box do not cause a short in your battery. *Extremely* high temperatures and fire can result.
4. **DO NOT INCINERATE BATTERY**

WARNING! *The warnings, cautions, and instructions detailed in this manual can not cover all possible conditions and situations that occur.*

USE COMMON SENSE AND CAUTION WHEN OPERATING THE TOOL.

SPECIFICATIONS

Cordless Drill
3/8 inch Keyless chuck
20 Torque setting plus drill setting
Voltage:18 volts DC
Variable speed 0-600RPM,Reversible
2 double-ended screwdriver bits (stored in clips on the drill handle)

Cordless Reciprocating saw
Voltage:18 volts DC
No load speed: 0- 3000 SPM
Stroke:7/8 inch
2 Reciprocating Blades:1 for wood,1 for steel
1 wrench

Circular Saw
Voltage:18 volts DC
No load speed: 2800RPM
Rip guide
5-1/2 inch blade- 24T one pass
1 hex wrench

Cordless Light
Voltage: 18 volts DC
Bulb: 10 Watt
Swivel head
1 extra bulb stored inside head

Charger
Charging time: 3-5 Hours
C-UL-us ApprovedAC/DC Adapter

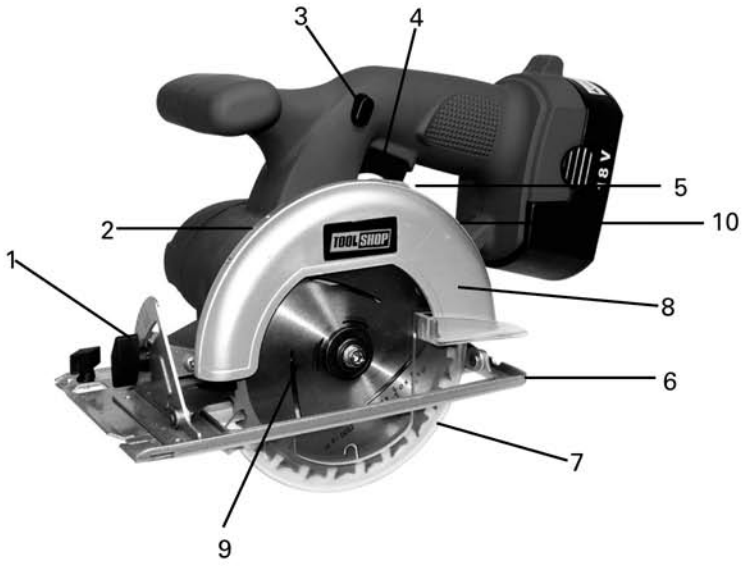
Two Batteries
Voltage: 18 volts DC
1200mAh Ni-Cd Rechargeable

FUNCTION DESCRIPTION

Cordless Drill
1. 3/8 inch keyless chuck
2. Torque setting ring
3. Battery
4. Double-ended screwdriver bits
5. Direction lever (Forward / Stop / Reverse)
6. Variable speed trigger
7. Battery release button



Cordless Circular Saw
1. Bevel leveling screw
2. Safety switch
3. Lock-Off button
4. On / Off switch
5. Depth adjustable knob
6. Shoe base
7. Lower blade guard
8. Blade guard
9. Saw blade
10. Hex wrench



Reciprocating
1. Front shoe/guard
2. Tool blade clamp
3. Trigger release button
4. Variable speed trigger
5. Rear handle with rubberized grip



FUNCTION DESCRIPTION



Cordless Light
1. Bulb assembly
2. Reflector rim
3. Pivot point
4. On / Off switch
5. Extral bulb inside head



Battery Charger
1. 120V AC/DC adapter
2. Charger stand

OPERATING PROCEDURES FOR BATTERY

- Each battery must be fully charged before the first use. This should be about 6 hours.
- Do not charge batteries for more than 16 hours or battery damage may result.
- Batteries will reach full performance after about five charge/discharge cycles.
- Always have tool rotation switch or lock switch in stop/lock position when removing or inserting battery to avoid unintentional starting.
- To remove battery pack from the tool, press the lock spring buttons and pull out.
- To insert, simply push pack in until lock spring clicks.
- The battery charger consists of two parts :
  1. a combined transformer/120 volt plug with a low-voltage lead
  2. a charging stand
- Insert the transformer/plug into a 120V household current receptacle.
- The battery pack has positive and negative terminal markings. Align these with the identical markings on the top of the charging stand and insert pack into base (Pack will not insert properly if reversed)
- When battery is charging, red light is on.
- Normal charging time is 3 to 5 hours.
- When charging more than one pack in succession, allow 15 minutes between charges.
- The battery discharges slowly over time, even when not used, and may require recharging before you use the tool.
- After many charge/discharge cycles, your batteries will lose their ability to hold

OPERATING PROCEDURES FOR BATTERY PACK

a charge. They should then be replaced. Dispose of batteries at an appropriate waste disposal facility. They contain cadmium, so do not throw batteries away in common trash receptacles.

- Charge battery 6 hours every 3 month if you do not use it, as battery will discharge slowly over time.
- Please unplug the ac/dc adapter after battery charged, the charger and AC/DC adapter may be damaged if pluged into a 120v outlet continuously for 24 hours.

WARNING! *Never charge the battery before it has cooled down, charging a hot battery may cuase the battery to explode.*

WARNING! *Dispose of batteries at an appropriate waste disposal facility. They contain cadmium, so do not throw batteries away in common trash receptacles.*

OPERATING PROCEDURES FOR DRILL

Rotation Direction

Your drill is equipped with a 3-position forward/stop/reverse switch through the housing above the trigger.
When it is pushed toward the right, rotation is forward (clockwise).
When pushed in from the right to the left side, rotation is reversed (counter-clockwise)
When in center position, it is locked in neutral and the trigger is blocked. Do not push the rotation direction switch until the chuck stops turning.

Torque Regulator

This is a 20-position dial situated just before the chuck.
When dial indicator reads 1, torque is at minimum before the clutch disengages the chuck from the drive; when indicator is just past 20, output is at maximum before it is disengaged.
This is useful in driving screws into different types of material. More torque will set a screw deeper into material; less torque will prevent it stripping and also prevents excessive battery drain. Larger screws require more torque to drive than small ones. A little trial and error will show you which is the optimum setting for the situation.
Release the trigger when the clicking sound indicates the chuck will not turn further.
For drilling, always use the drill setting, indicated by a drill bit. At this setting, the drive does not disengage from the chuck.

Keyless Chuck

1. Center the rotation direction switch to prevent the motor accidentally starting.
2. Note there are two rings on the chuck. Turning the endmost knurled ring of the chuck clockwise by hand while with the other hand, holding the second ring (closer to the rear of the tool) to prevent the motor turning; closes the jaws of the chuck. Turning that same endmost knurled ring counter-clockwise opens the jaws.
3. Open the jaws to accept a bit and then close the jaws so they clamp the bit tightly.

OPERATING PROCEDURES FOR RECIPROCATING SAW

WARNING: *Before installing or removing saw blade remove battery pack.*

Installing a saw blade:

1. Using the hex key stored in the right side of the housing in front of the handle, loosen the hex screw on the saw blade clamp.
2. Insert the blade into the blade clamp. Make sure that the saw teeth are ALWAYS facing down.
3. Align the hole in the shank of the blade and the blade clamp with the pin in the saw bar, firmly press the pin against the saw bar.
4. Tighten the hex screw firmly, to secure the blade.

WARNING: *Before you insert battery pack, always pull on the blade sharply to ensure it is firmly held in the blade clamp. Failure to do so may result in serious injury.*

RUNNING THE RECIPROCATING SAW

1. Hold the tool firmly. Check to make sure that saw blade travel is not obstructed. From either the left or the right, push in and hold the trigger lock release button located above the trigger. Squeeze the trigger switch. Squeezing the trigger more will increase the speed.
2. Once the trigger switch is depressed, you can release the button.

TYPES OF CUTTING

Blade Selection: *To obtain the best performance from your saw it is important to select a specific blade for the particular application and type of material you wish to cut. By doing this you will get a smoother faster cut and prolong blade life.*

WARNING: *Make sure the blade does not touch the workpiece until the saw reaches its maximum speed set on the Variable Speed Dial. Failure to comply could cause loss of control and result in serious injury.*

NOTE: *Make sure that you do not hit any electrical wires, gas, or water pipes. Check the wall with a pipe/cable detector before you cut*

General Cutting

Hold your saw firmly in front and away from you. Make sure the blade is clear of any surface. Be sure the material to be cut is held firmly. Small pieces should be clamped in place to a workbench. Mark the line of cut clearly. Press the trigger lock release. Pull the trigger switch. Set the shoe against the workpiece. Allow the blade to cut the material. Do not force it. Use only enough pressure to keep the saw cutting.

Metal Cutting

Use a sharp blade especially designed to cut the material you are working with. It is recommended you use a cutting fluid on the metal surface to avoid heat build up. When cutting metallic material with this tool, be sure to us a fine tooth blade. To ensure safe operation, adjust the motor speed to a slower setting.

Wood Cutting

When cutting wood material with this tool, it is recommended to use a coarse tooth blade.

OPERATING PROCEDURES FOR CIRCULAR SAW

WARNING: *Turn off your saw at once, remove the battery and inspect it for serious problems if:*

- *Moving parts get stuck*
- *Speed drops to an abnormally low level*
- *The motor housing gets hot*
- *Sparks or odours emit from the casing*

OPERATING PROCEDURES FOR CIRCULAR SAW

CAUTION: *Do not put hands directly in front of, behind, or below the saw blade when cutting.*



1. Always grasp the saw with both hands on the handles and push the saw through the material.
2. Be sure there are no nails or any other foreign objects in or on the work piece, or in the path of the blade. They could cause damage to the saw blade, injury from kickback or even injury from flying debris.
3. Make sure the work piece is properly supported at all times. Work piece should be properly supported during the cut.
4. Whenever possible, secure the work piece with clamps or in a vise. Do not hold short pieces by hand while cutting.
5. When making cuts parallel to existing straight edges, whenever possible, insert the rip fence into the slots at the front of the saw. Fasten it in place at the desired distance, with the screw clamp provided, and use it to help keep the cut as straight and parallel as possible.
6. Make sure you are fully prepared to begin your cut before squeezing the trigger switch. Mark the line of cut clearly.
7. Set the shoe plate against the work piece.
8. Hold the tool firmly. Motor torque will cause the tool to twist, so a firm grip is imperative. Check to make sure that saw blade travel is not obstructed. Squeeze the trigger switch.
9. Allow the saw blade to reach full speed before pushing it into the work piece.
10. Do not force the saw blade into the work piece. Apply moderate pressure, allowing the blade to cut without being forced.
11. This tool is designed to make straight cuts only. Do not attempt to cut curves with it. Twisting the saw to either side while cutting will cause the blade to bind in the work piece, perhaps causing kickback, personal injury, damage to the work piece, and /or damage to the saw.
12. If it becomes necessary to back out of an incomplete cut, turn off the saw.
13. To turn off the saw, release pressure on the Trigger Switch. Always allow the blade to come to a stop before putting the tool down.

Changing the Blade

WARNING: *Please remove the battery from the circular saw before doing any maintenance or blade changing to avoid accidental starting.*



1. Press and hold the arbor lock button just to the right of the blade guard at the front of the saw.
2. Use the hex wrench that is included with the kit.
3. The arbor screw has a left-handed(reverse)thread and it turns backwards. Turn it clockwise to loosen.
4. Remove the flange and blade.
5. Replace with the new blade.
6. Place the flange and screw back on.
7. Turn counter-clockwise to tighten.

Cutting Depth Adjustment

1. REMOVE battery pack first.
2. Hold the saw firmly and loosen (counter clockwise) the depth adjustment knob and move shoe to obtain the desired depth of cut.
3. Make sure the depth adjustment knob has been retightened (clockwise) before operating the saw.

Bevel Angle Adjustment

The full range of the bevel adjustment is from 0° to 50°. The quadrant is graduated in increments of 5°. On the front of the saw is a bevel angle adjustment mechanism, consisting of a calibrated quadrant and a knob. To set the saw for a bevel cut:

1. REMOVE battery pack first.
2. Loosen (counter clockwise) the quadrant knob adjust the base to the desired angle mark. Re-tighten knob firmly (clockwise).

OPERATING PROCEDURES FOR LIGHT

ON/OFF

To turn the worklight ON, simply slide the ON/OFF switch forward. To turn the worklight OFF, simply slide the ON/OFF switch backward.

TO SWIVEL THE WORKLIGHT

1. To swivel the head of the worklight, hold the worklight with two hands. One hand should be around the body of the light; the other hand should be around the head of the worklight.
2. Using the hand that is holding the head of the worklight, twist the head clockwise. Continue to adjust the light until it is adjusted to the angle that works for your job.
3. To return the worklight to its original position, twist the worklight in a counter-clockwise direction.

TO REPLACE THE LIGHT BULB

To change the light bulb, hold the top of the light with one hand and the rim of the worklight with the other. Using the hand that is holding the rim of the worklight, begin turning it in a counter-clockwise direction. Continue to turn the rim until it separates from the body of the worklight. Use care when doing this to avoid damaging the reflector or the protective lens over the worklight. The burnt out bulb should be removed and discarded appropriately. Replace the bulb and carefully align the rim and light assembly with the worklight body. Begin twisting the rim in a clockwise direction.

WARNING FOR OBSTRUCTED MACHINE

WARNING:

If this tool becomes obstructed/jammed release the trigger switch immediately as just a few seconds could cause motor damage.□ □

MAINTENANCE

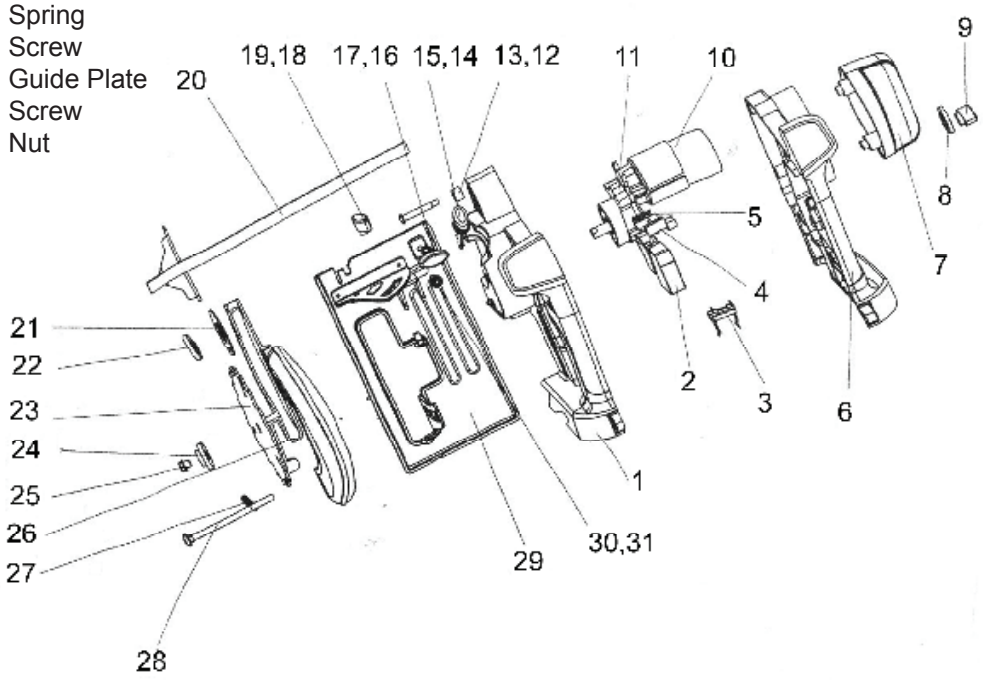
- Keep the tools clean using a soft damp (not wet) cloth. Do not use solvents on the plastic parts.
- Lubrication is not necessary. After long use, have an authorized service center maintain and lubricate the tool.
- Should the drill chuck require replacement,

1. Remove the battery pack
2. Open the chuck jaws as widely as possible so you can get at the chuck retaining screw.
3. Unscrew the chuck retaining screw with a phillps screwdriver. Note that this is a left-hand-threaded screw and you remove it by turning it clockwise.
4. Clamp the shorter arm of a large allen wrench in the chuck, aligning it with the jaws so they grip three of its six flat sides.
5. Place the drill on a flat surface, and support the chuck with a piece of wood about 3/8 inch above that surface.
6. Strike the long arm of the wrench with a hammer so that the chuck turns counter-clockwise and unscrews from the spindle. This may require a fairly sharp blow.
7. Repeat the process in reverse to install a new chuck.

- To maintain the best performance of your rechargeable NiCd battery, protect it from overheating, both from overcharging and during storage. Occasionally charge the battery for 6 hours. The battery may also benefit from a full discharge from time to time.

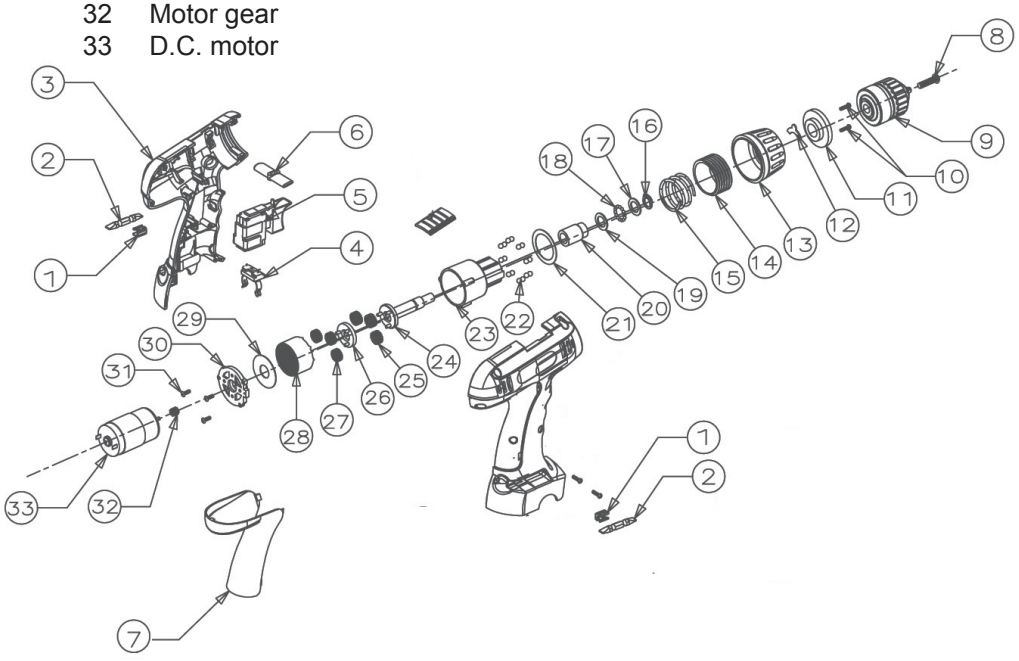
PARTS LIST FOR CIRCULAR SAW

NO.	DESCRIPTION
1	Housing (Left)
2	Switch
3	Battery Clip
4	Switch Lock Button
5	Spring
6	Housing (Right)
7	Motor Cover
8	Washer
9	Plastic nut
10	DC Motor
11	Gear Box
12	Nut
13	Screw
14	Pivot Stop
15	Position Button
16	Plastic Screw
17	Spring
18	Plastic Screw
19	Nut
20	Ruler
21	Fixed Board
22	Flange
23	Saw blade
24	Flange
25	Screw
26	Movable Guard
27	Spring
28	Screw
29	Guide Plate
30	Screw
31	Nut



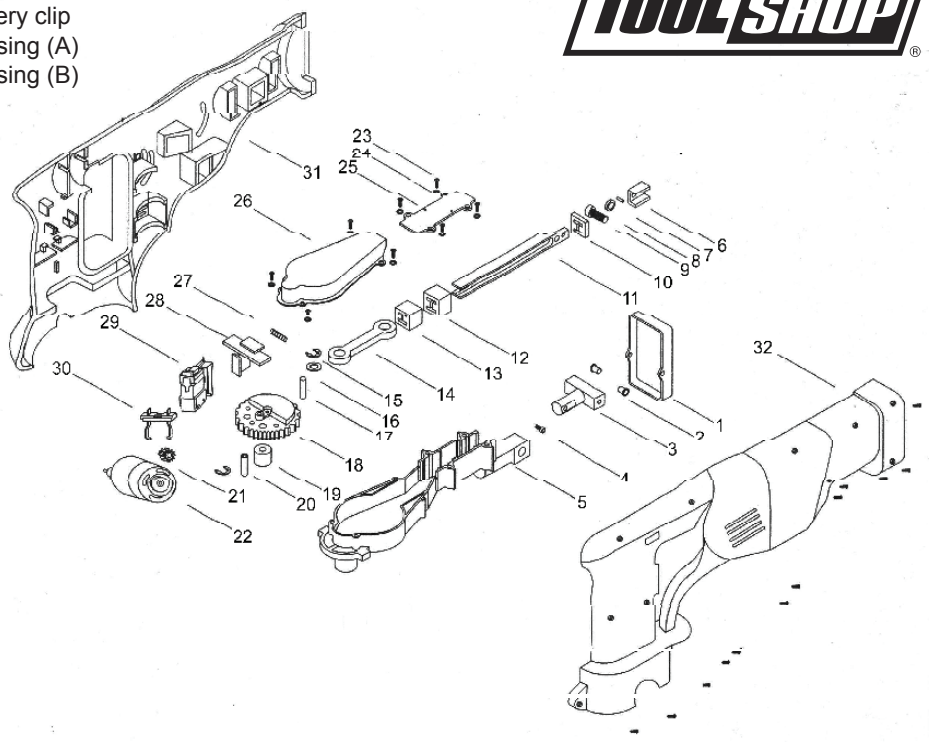
PARTS LIST FOR CORDLESS DRILL

NO.	DESCRIPTION
1	Screwdriver bit clip
2	Double-ended screwdriver bit
3	Housing(left)
4	Battery clip
5	Trigger switch
6	Forward/reverse butto
7	Soft handle
8	Chuck retaining screw
9	Chuck
10	Screws
11	Washer
12	Washer
13	Torque setting ring
14	Ring
15	Spring
16	Snap ring
17	Washer
18	Steel ball
19	Washer
20	Bearing
21	Washer
22	Steel ball
23	Gear box
24	Shaft
25	Planet gear
26	Star gear
27	Planet gear
28	Inner gear
29	Washer
30	Gear box cover
31	Screws
32	Motor gear
33	D.C. motor



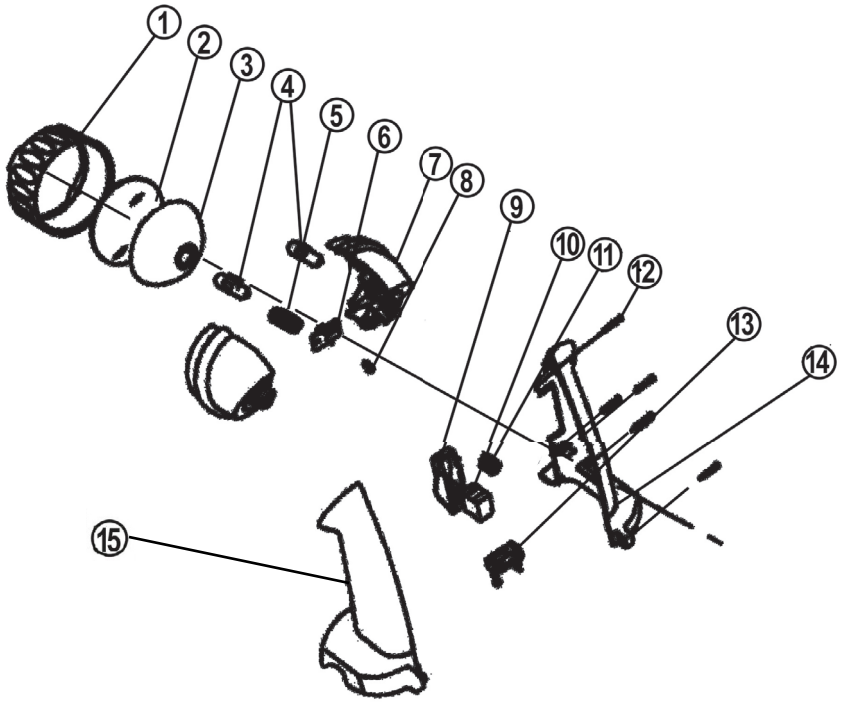
PARTS LIST FOR RECIPROCATING SAW

NO.	DESCRIPTION
1,2,3	Bracket
4	Screw
5	Gear box
6	Blade holder
7	Pin
8	Spring washer
9	Screw
10	Bushing
11	Shaft
12	Bushing
13	Bushing
14	Link Plate
15	Circlip
16	Washer
17	Pin
18	Gear
19	Bearing
20	Pin
21	Gear
22	Motor
23	Screw
24	Spring washer
25	Plate
26	Cover
27	Sping
28	Safety release
29	Switch
30	Battery clip
31	Housing (A)
32	Housing (B)



PARTS LIST FOR CORDLESS LIGHT

NO.	DESCRIPTION
1	Lamp shade
2	Lens
3	Lamp reflector
4	Bulb
5	Cathode spring
6	Lamp bracket
7	Lamp enclosure
8	Anode spring
9	ABS plectrum
10	Switch
11	Spring
12	Screw
13	Battery clip
14	Housing A
15	Housing B



WARNING *Repairs should be made by an authorized repair center. Do not open or disassemble this power tool. Contact at* 1-866-915-8626 *for questions regarding this power tool.*

TOOL SHOP® 4PC 18V CORDLESS TOOL SET WARRANTY

1-YEAR LIMITED WARRANTY:

This TOOL SHOP® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If the tool fails within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, TOOL SHOP® agrees to have the tool replaced with the same or similar TOOL SHOP® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse or misuse of the Merchandise. This warranty: (1) excludes expendable parts including but not limited to blades, belts, bits, light bulbs, and/or batteries; (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this Merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the Merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts –
Please call toll free at: 1-866-915-8626 (M-F 8am – 5pm EST)

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.