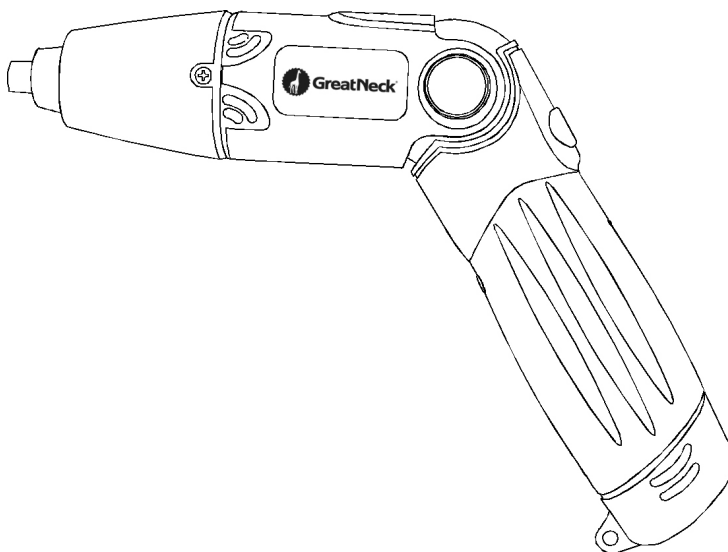


# Owner's Manual



## 4.8 V Cordless Pivoting Screwdriver

**80122**



### **CAUTION:**

**Before using this cordless screwdriver or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions.**

- **General Safety Rules**
- **Specific Safety Rules and Symbols**
- **Functional Description**
- **Assembly**
- **Operation**
- **Maintenance**
- **Accessories**

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## WARRANTY

### ONE YEAR LIMITED WARRANTY

For one year from the date of purchase of this GreatNeck® product you find any defect in material or workmanship, through normal usage and not including standard wear, either return it to the place of purchase, or send it to GreatNeck ® for repair or replacement at our discretion. In order to obtain this service send your tool and proof of purchase, transportation pre-paid, to GreatNeck ® Q.A. Dept, 3580 E. Raines Rd. #3, Memphis, TN 38118. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Please see our website for full warranty information.

For customer service call (866) - 458-2472

**⚠ WARNING:** Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks, cement and other masonry products
- Arsenic and chromium from chemically-treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment such as dust masks that are specially designed to filter out microscopic particles.

## SPECIFICATIONS

### SCREWDRIVER

Spindle speed .....	220 RPM (no load)
Battery .....	4.8 V
Weight .....	1 lb 2 oz (0.47 kg)

### BATTERY & CHARGER


Battery Voltage .....	4.8 V NiCad
Charger .....	3–5 Hour, Class 2
Charger Input .....	120 V AC, 60 Hz
Charger Output .....	6 V DC, 400 mA

 **WARNING:** To avoid electrical hazards, fire hazards or damage to the battery charger, use proper circuit protection.

The battery charger is wired at the factory for 120 V operation. It must be connected to a 120 V, 15 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.

# BATTERY OPERATED POWER TOOL SAFETY

## GENERAL SAFETY RULES

 **WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

## WORK AREA

**Keep your work area clean and well-lit.** Cluttered benches and dark areas invite accidents.

**Do not operate power tools in explosive environments, such as in the presence of flammable liquids, gas or dust.** Power tools create sparks which may ignite the dust or fumes.

**Keep bystanders, children and visitors away while operating the tool.** Distractions can cause you to lose control.

## ELECTRICAL SAFETY

**Double insulated battery chargers are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not alter the plug in any way.** Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.

**Use only the battery charger specified for recharging the battery. This applies to both battery-operated tools with internal batteries and those with a removable battery pack.** A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.

**Only use battery-operated tools with their specifically designed battery pack.** Use of other batteries may create a risk of fire.

**Only use the charger in a standard 120 V, 60 Hz electrical outlet only.**

**Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is increased risk of electric shock if your body is grounded.

**Don't expose charger to rain or wet conditions.** Water entering the charger will increase the risk of electric shock.

**Do not abuse the cord.** Never use the cord to carry the charger or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges and moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

**When operating the charger outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce 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 the tool while 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 safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat or hearing protection must be used for appropriate conditions.

**SAVE THESE INSTRUCTIONS FOR REFERENCE**

# BATTERY OPERATED POWER TOOL SAFETY

## PERSONAL SAFETY – cont'd

**Dress appropriately. Do not wear loose clothing or jewelry.**

**Contain long hair. Keep hair, clothing and gloves away from moving parts.**

Loose clothing, jewelry or long hair can be caught in moving parts.

**Avoid accidental starting. Be sure the power switch is OFF before inserting battery pack.** Inserting the battery pack with the switch ON or carrying tools with your finger on the switch invites accidents.

**Remove adjusting keys or wrenches before turning the tool ON.** A wrench or key that is left attached to a rotating part of the tool may result in personal injury.

**Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

## TOOL USE AND CARE

**Use clamps or another practical method to secure and support the workpiece on a stable platform.** Holding the work by hand or against your body is unsafe and may lead to loss of control.

**Do not force the tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.

**Do not use the tool if the power switch does not turn ON or OFF.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.

**Remove the battery and turn the switch OFF before making any adjustments, changing accessories or storing the tool.** Such preventive safety measures reduce the risk of the tool starting accidentally.

**Store idle tools out of reach of children and other untrained persons.** Tools can be dangerous in the hands of untrained users.

**Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.


**Use only accessories that are recommended by the manufacturer for your model.** Accessories that are suitable for one tool may become hazardous when used on another tool.

## SERVICE

**Tool service must be performed only by qualified personnel.** Service or maintenance performed by unqualified personnel could result in risk of injury.

**When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

## CORDLESS SCREWDRIVER SAFETY

 **WARNING:** For your safety, do not plug in your charger, charge the battery or operate the tool until you have read and understood this Owner's Manual.

**Always use safety goggles or other suitable eye protection.**

**Hold the tool by its insulated gripping surfaces when driving screws in areas where the screws may contact hidden wiring.** Contact with a "live" wire will make exposed metal parts of the tool "live" and can shock the operator. Do not drive screws or break into existing walls or other blind areas where electrical wiring may exist. If this situation is unavoidable, remove all fuses or disconnect all breakers feeding the work area.

**Secure the workpiece in a vice or with clamps. Never hold it in your hand or across your legs.** The rotating action of the screwdriver may cause the bit to come loose from the screw and cause injury.

**Never carry the cordless screwdriver with your finger on the ON/OFF switch.** The tool is always in an "ON" condition when the battery is charged.

**Never hold the body of the cordless screwdriver near the ON/OFF switch while changing screwdriver bits.** Accidentally touching the ON/OFF switch may start the tool and possibly cause an injury.

**Always use the correct shape of screwdriver bit that matches the head of the screw.**

**Always use the largest size screwdriver bit that will properly fit into the head of the screw.**

**Do not use worn or damaged screwdriver bits.** Worn or damaged screwdriver bits will not drive the screw properly and may jump out of the screw head, causing possible injury.

**Always install the screwdriver bit or magnetic bit holder fully into the collet.** If not fully inserted, the bit or magnetic bit holder may jump out of the collet and cause damage to the workpiece or possible injury.

## BATTERY & CHARGER SAFETY

**Never attempt to open the battery for any reason.** If the housing of the battery breaks or cracks and allows leakage through the handle, immediately discontinue use and do not recharge the cordless screwdriver.

**Do not charge the battery if the tool is wet or shows any evidence of battery leakage.**

Minor leakage from the battery may occur under extreme use, charging or temperature conditions. This does not indicate a failure. **If however, the outer seal is broken and this leakage gets on your skin, follow these steps:**

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 20–35% solution of potassium hydroxide.

## BATTERY & CHARGER SAFETY

**⚠ WARNING:** The Ni-Cad battery pack is an integral part of the tool. If it will no longer charge properly or is damaged, the tool and battery must not be discarded as household trash, burned or thrown into water. The tool and battery must be disposed of as hazardous waste in accordance with all municipal requirements.

**Do not incinerate a discarded battery.** It can explode in a fire.

**Do not use an extension cord.** Plug the charger cord directly into an electrical outlet.

**Charge the battery only with the charger supplied with the cordless screwdriver.**

**Do not use the charger in wet or damp conditions.** It is intended for indoor use only. Do not use the charger near sinks or bathtubs. Do not immerse the charger in water.

**Do not allow the cord to hang over the edge of a table or counter or touch hot surfaces.** The charger should be placed away from sinks and hot surfaces.

**Do not use charger to charge any batteries other than the cordless screwdriver battery.** Other batteries may explode.

**Do not operate charger if cord or plug is damaged.** Replace damaged cord and plug immediately.

**Do not operate charger if it has received a sharp impact,** been dropped or otherwise damaged in any way. Have a qualified technician examine the charger and repair it if necessary. Do not disassemble the charger.


**For best results,** charge the battery when the temperature range of the battery and in the work area is 10–40°C (50–104°F).










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

**Do not abuse the cord.** To reduce the risk of damage to the electric cord or plug, never carry the charger by the cord or yank the cord to pull the plug. Always grasp the plug and pull to disconnect. Always keep the cord away from heat, oil and sharp edges.

## SYMBOLS

**⚠ WARNING:** Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

<b>V</b>	volts
<b>A</b>	amperes
<b>Hz</b>	hertz
<b>W</b>	watt
<b>kW</b>	kilowatts
<b>μF</b>	microfarads
<b>L</b>	litres
<b>kg</b>	kilograms
<b>H</b>	hours
<b>N/cm<sup>2</sup></b>	newtons per square centimetre
<b>Pa</b>	pascals
<b>Min</b>	minutes
<b>S</b>	seconds
	alternating current
	three-phase alternating current

	three-phase alternating current with neutral
	direct current
<b>n<sub>o</sub></b>	no load speed
	alternating or direct current
	class II construction
	splash proof construction
	watertight construction
	protective earthing at earthing terminal, Class I tools
<b>.../min</b>	revolutions or reciprocations per minute
<b>∅</b>	diameter
<b>0</b>	off position
	arrow
	warning symbol

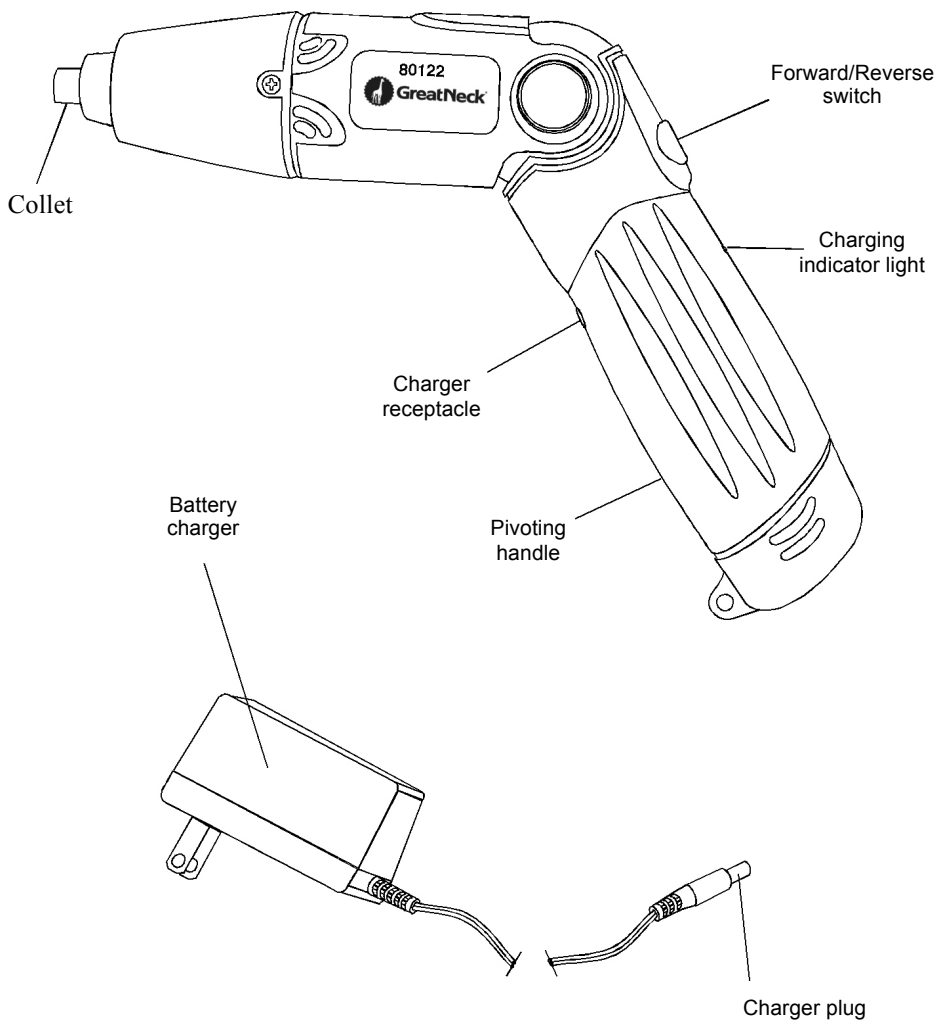
HOMOLOGUÉ



This symbol designates that this tool is listed with both Canadian and U.S. requirements by Underwriters Laboratories.



# KNOW YOUR CORDLESS SCREWDRIVER



# ACCESSORIES & CARTON CONTENTS

## AVAILABLE ACCESSORIES

**⚠ WARNING:** Use only accessories recommended for this cordless screwdriver. Follow all instructions that accompany this tool. Use of improper accessories may cause injury to the operator or damage to the tool.

Do not use any accessory unless you have completely read the instructions and/or Owner's Manual for that accessory.

## CARTON CONTENTS

**⚠ WARNING:** If any part is missing or damaged, do not plug the charger into the power source until the missing or damaged part is replaced.

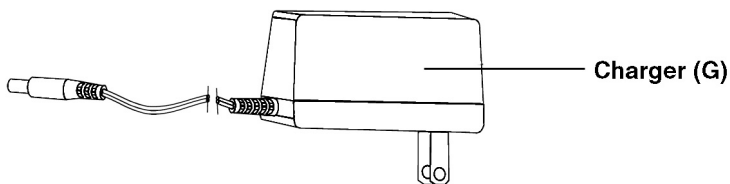
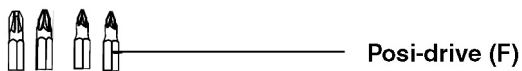
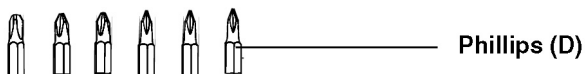
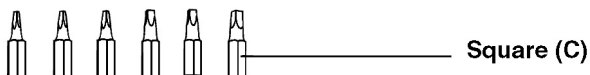
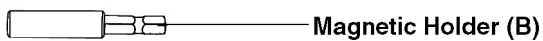
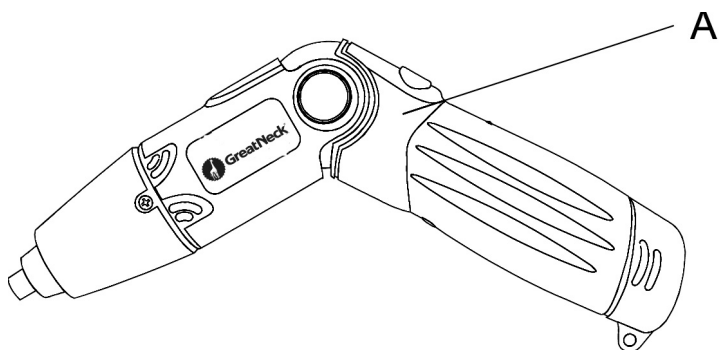
Carefully unpack the cordless screwdriver. Compare against the "Cordless Screwdriver Components" chart at right.

**NOTE:** See illustration of components on Page 11.

**⚠ WARNING:** To avoid fire or toxic reaction, never use gasoline, naphtha, acetone, lacquer thinner or similar highly volatile solvents to clean the tool.

CORDLESS SCREWDRIVER COMPONENTS		
KEY	DESCRIPTION	QTY
A	Cordless screwdriver	1
B	Magnetic hex bit extension	1
C	⊖ Screwdriver bits #0 #1 (x2) #2 (x2) #3	6
D	⊕ Screwdriver bits #0 #1 (x2) #2 (x2) #3	6
E	⊖ Screwdriver bits 3 mm 4 mm 4.5 mm 5 mm 6 mm 7 mm	6
F	⊕ Screwdriver bits #0 posi-drive #1 #2 #3	4
G	Battery charger	1
	Owner's manual	1

# CARTON CONTENTS



# ASSEMBLY & OPERATION

## CHARGING THE BATTERY

1. Place the cordless screwdriver near a 120 V, 60 Hz electrical outlet.
2. Insert the battery charger plug (1) into the charger receptacle (2) in the handle of the cordless screwdriver (3) (Fig. 1).
3. Plug the battery charger (4) into a 120 V 60 Hz wall receptacle.

### NOTES:

- a) The red indicator light (5) in the handle will turn ON, indicating a positive connection with the charger.
- b) The red indicator light will remain ON until the charger is disconnected.
- c) A new battery or one that is completely run down should be charged for 5 hours. After normal use, a battery should be fully charged in about 3 hours or more.
- d) If the battery does not charge properly, check to make sure the electrical outlet is "live" and that the temperature range in the work area is between 10–40°C (50–104°F).

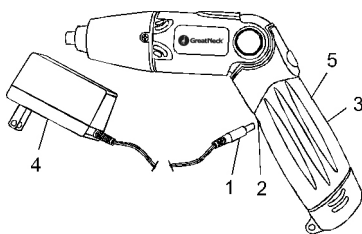


Fig. 1

## INSTALLING SCREWDRIVER BITS

**⚠ WARNING:** Never hold the body of the cordless screwdriver near the switch while changing screwdriver bits. Accidentally touching the switch may start the tool and possibly cause an injury.

1. Select an appropriate screwdriver bit that fits the head of the screw being driven.

### NOTES:

- a) Use the largest size screwdriver bit that will properly fit the screw head.
- b) Make sure the screwdriver bit is in good condition and is neither damaged nor worn.

2. Insert the screwdriver bit (1) fully into the screwdriver collet (2) (Fig. 2).

### NOTES:

- a) Make sure the screwdriver bit is fully inserted into the collet.
- b) If required, insert the magnetic hex bit extension (3) into the collet first and then insert the screwdriver bit fully into the magnetic hex bit extension.

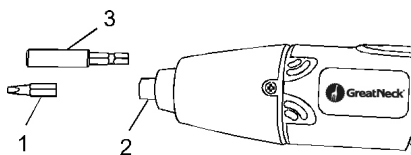


Fig. 2

# ASSEMBLY & OPERATION

## FORWARD/REVERSE SWITCH

The cordless screwdriver is equipped with a convenient switch that functions as both an ON/OFF switch and FORWARD/REVERSE switch.

1. To drive screws, press the right hand side of the switch (1) (Fig. 3). To turn the switch OFF, release the switch.
2. To remove screws, press the left hand side of the switch (2).

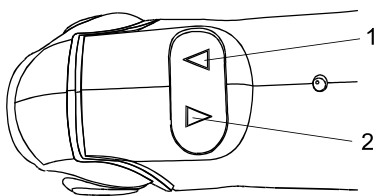


Fig. 3

## PIVOTING HANDLE

The handle of the cordless screwdriver is designed to pivot to various angles. This feature allows you to configure the tool for easier access in hard to reach locations. It also makes it easier to apply extra torque in manual mode.

To pivot the handle, simply “bend” the tool in the middle to the appropriate angle (1) (Fig. 4)

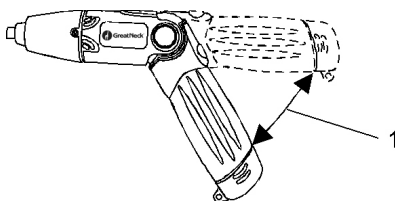


Fig. 4

## PREPARING SCREW HOLES

It is important to prepare screw holes before attempting to fasten two pieces of wood together. Proper preparation will make screws drive easier and prevent misaligned components, stripped screw heads, splitting and separating of wood components.

1. Clamp components that are to be screwed together in their desired position (Fig. 5).
2. Drill a pilot hole (1) through the outer piece (2) and into the inner piece (3). Drill hole 2/3 the diameter of the smooth portion of the screw shank.  
**NOTE:** If the wood is soft, drill the hole 2/3 the length of the screw. If the wood is hard, drill the hole the full length of the screw.
3. Remove the clamp from the two pieces to be screwed together.
4. Enlarge the hole (1) in the outer piece (2) so that it is the same size as the smooth portion of the screw shank (Fig. 6).
5. If using a flat head screw, counter-sink the hole (4) so the head of the screw will be flush with the surface when fully driven into place.

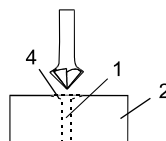
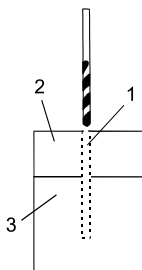


Fig. 6

Fig. 5

# ASSEMBLY & OPERATION

## **⚠ WARNING:**

Have you read “BATTERY OPERATED POWER TOOL SAFETY”, “CORDLESS SCREWDRIVER SAFETY”, “BATTERY & CHARGER SAFETY” and “SYMBOLS” on pages 4, 5, 6, 7 & 8 of this Manual? If not, please do so now before you operate this tool. Your safety depends on it!

Every time you use the screwdriver you should verify the following:

1. Screwdriver bit is the correct type & size, not worn and not damaged in any way.
2. Workpiece is properly secured.
3. Safety glasses are being worn.

Failure to follow these safety rules can greatly increase the chances of injury.

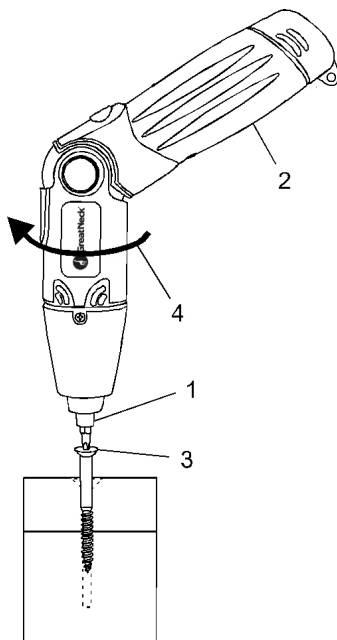
4. Insert the screwdriver bit fully into the screw head (3).
5. While holding the screwdriver firmly against the screw, press the right hand side of the switch to start the screwdriver and drive the screw.
6. When the screw is driven as far as possible, release the switch and the screwdriver will stop.
7. When the switch is released and the screwdriver stops turning, the spindle will automatically lock. Fully tighten the screw by manually rotating the screwdriver handle in a clockwise direction (4).

## DRIVING SCREWS

When driving screws, care must be taken to use the bit that correctly fits the head of the screw being driven. Make sure you use the largest bit size that will properly fit into the head of the screw. The bits must also be in good condition and not worn so they will drive screws without slipping out of the screw head.

1. Select the correct screwdriver bit for the screw being driven.  
**NOTE:** Use the magnetic hex bit extension if longer reach is required.

2. Insert the bit fully into the screwdriver collet (1) (Fig. 7).
3. Pivot handle to a comfortable position (2).



**Fig. 7**

# MAINTENANCE

## GENERAL

**⚠ WARNING:** When servicing, use only identical replacement parts. Use of any other part may create a hazard or cause product damage.

DO NOT use 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 a clean cloth to remove dirt, dust, oil, grease etc.

**⚠ WARNING:** Do not at any time allow brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come in contact with plastic parts. They contain chemicals that can damage, weaken or destroy plastic.

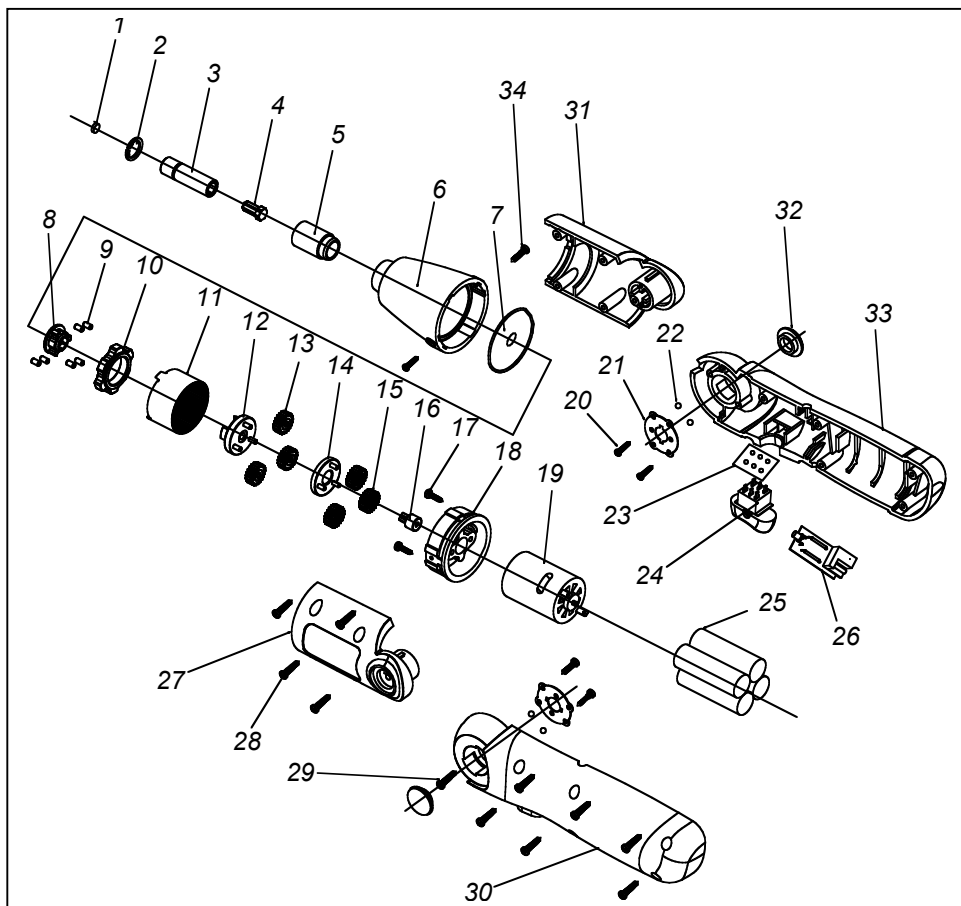
DO NOT abuse power tools. Abusive practices can damage the tool as well as the workpiece.

**⚠ WARNING:** DO NOT attempt to modify tools or create accessories not recommended by the manufacturer. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury. It will also void the warranty.

## LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the life of the unit under normal conditions. Therefore, no further lubrication is required.

## PARTS DIAGRAM – MODEL 80122





## PARTS LIST – MODEL 80122

**⚠ WARNING:** When servicing, use only GreatNeck® replacement parts. Use of any other parts may create a HAZARD or cause damage to your power tool.

Any attempt to repair or replace electrical parts on this power tool may create a hazard unless repair is performed by a qualified technician.

**Always order by PART NUMBER**

Key #	Part #	Part Name	Quantity
1	80122-1	Magnetic block	1
2	80122-2	Retaining ring	1
3	80122-3	Output shaft	1
4	80122-4	Connecting bar	1
5	80122-5	Self lubricating bearing	1
6	80122-6	Gear housing	1
7	80122-7	Clamping plate	1
8	80122-8	Driven block	1
9	80122-9	Pin	6
10	80122-10	Positioning ring	1
11	80122-11	Ring gear	1
12	80122-12	Driving block	1
13	80122-13	Powder metal planet gear	3
14	80122-14	Planet carrier	1
15	80122-15	Plastic planet gear	3
16	80122-16	Motor gear	1
17	80122-17	Screw M2.5X4.5	2
18	80122-18	Flange	1
19	80122-19	Motor	1
20	80122-20	Screw ST2.5X8	4
21	80122-21	Connecting plate	2
22	80122-22	Ball	4
23	80122-23	PCB for switch	1
24	80122-24	Switch	1
25	80122-25	Battery pack	1
26	80122-26	Charge PCB	1
27	80122-27	Left motor housing	1
28	80122-28	Screw ST2.9x16	9
29	80122-29	Screw ST2.9x25	1
30	80122-30	Left grip housing	1
31	80122-31	Right motor housing	1
32	80122-32	Decoration button	1
33	80122-33	Right grip housing	1
34	80122-34	Screw ST2.5x8	2