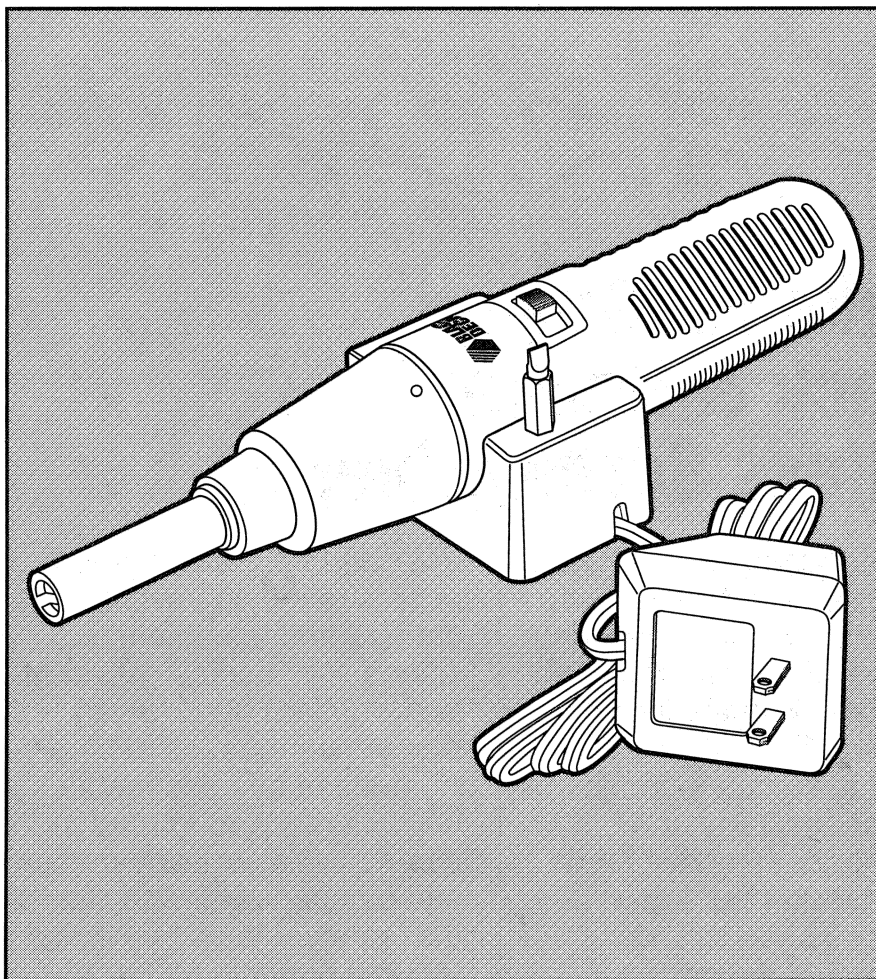




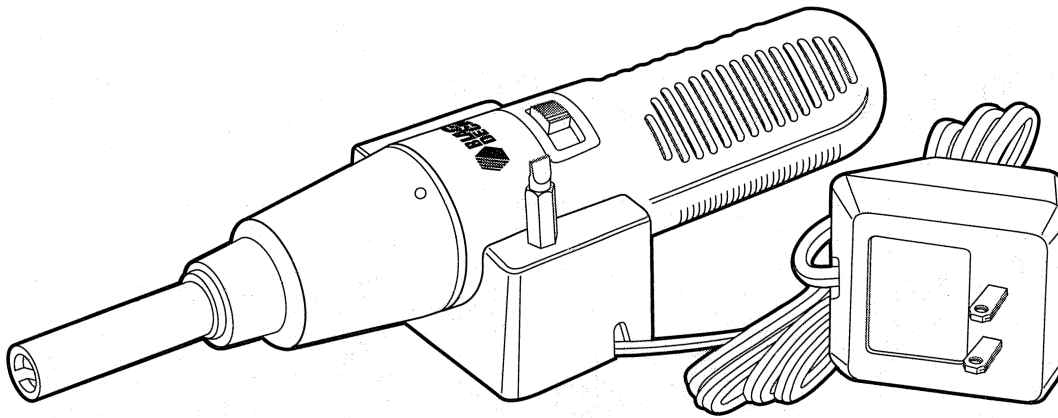
**BLACK&DECKER®**



# **Instruction Manual**

## **Cordless Screwdriver**

### **6090**



## Thanks for Buying a Black & Decker Cordless Screwdriver.

If you already own a Black & Decker automotive tool, you know the pleasures of working with a real Pro. Your new 6090 screwdriver is every inch the Pro that you are.

Built to the same tough standards of quality and dependability that have made Black & Decker the expert's choice for 75 years, your screwdriver is the perfect addition to your shop.

It will drive and remove screws from number 6 to 3/8" with the push of a button. The

extended front end permits access to the tightest of corners and the automatic spindle lock makes conversion to a standard hand driven screwdriver a real snap.

Please take the few minutes required to read this informative instruction manual and pay particular attention to the safety rules we've included for your protection.

Don't forget to send in your owner's registration card.

**THANKS FOR BUYING A  
BLACK & DECKER!**



**BLACK & DECKER®**

## IMPORTANT SAFETY INSTRUCTIONS

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

### READ ALL INSTRUCTIONS

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit.
3. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
4. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Do not let visitors contact tool or extension cord.
5. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place - out of reach of children.
6. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
7. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended, for example, don't use circular saw for cutting tree limbs or logs.
8. **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. **USE SAFETY GLASSES.** Also use face or dustmask if cutting operation is dusty.
10. **DON'T ABUSE CORD.** Never carry charger base by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
11. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
12. **DON'T OVERREACH.** Keep proper footing and balance at all times.
13. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Keep handles dry, clean and free from oil and grease.
14. **DISCONNECT OR LOCK OFF TOOLS.** When not in use, before servicing, and when changing accessories.
15. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
16. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
17. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other 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, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.
18. **DO NOT OPERATE** portable electric tools near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

**CAUTION:** When driving screws into walls, floors or wherever "live" electrical wires may be encountered. **DO NOT TOUCH ANY FRONT METAL PARTS OF THE TOOL!** Hold the tool only by the plastic handle to prevent electric shock if you drive into a "live" wire.

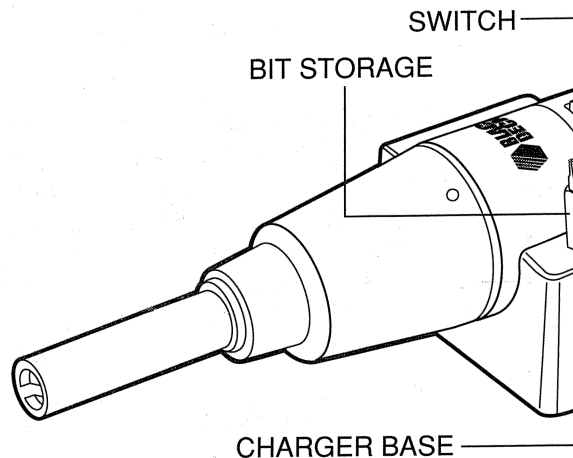
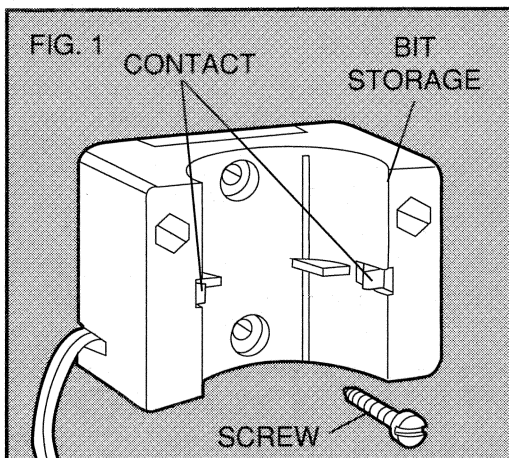
**NOTE:** The exposed electrical contacts on the tool and the wall mounted charger base are perfectly safe to touch. Touching them is just like handling flashlight batteries.

# SAVE THESE SAFETY RULES FOR FUTURE USE.

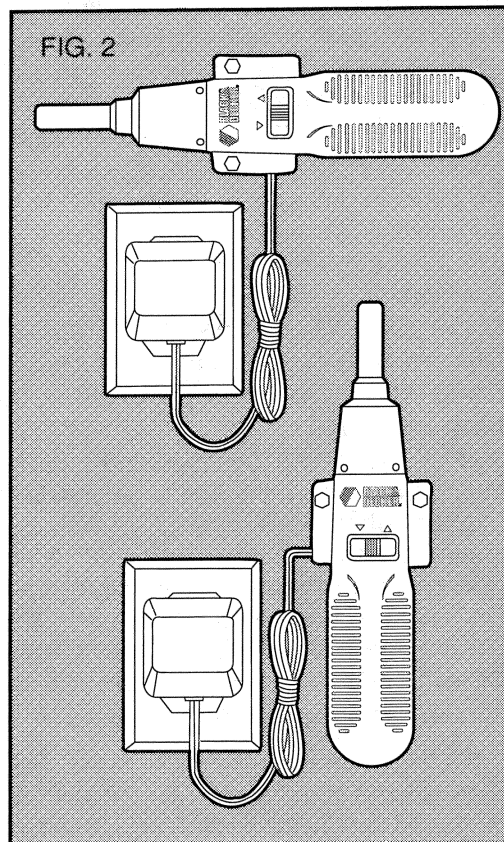
# Charger Mounting Instructions

(Figures 1 & 2)

1. The plastic bag supplied with your tool contains two wood screws and two plastic wall anchors. Use the anchors to mount the charger base to drywall and use the wood screws to mount it to a wooden surface. (The charger base need not be hung at all to operate properly.)
2. To use the plastic wall anchors drill a 3/16" hole in the drywall where you will be installing the anchor. (Mark the desired place by holding the charger base against the wall and inserting a pencil through one of the two mounting holes.) Don't forget to locate the charger base within 4 feet of a wall outlet. There is no top or bottom so the base can't be mounted upside down.
3. Insert the plastic wall anchor and tap it lightly with a hammer to seat it flush to the wall. Position the charger base over the anchor and use one of the wood screws to hold the charger base on the wall. Repeat the process for the other mounting hole in the charger base.
4. When mounting the charger base to a wooden surface, drill 3/32" pilot holes for the wood screws. The plastic wall anchors should not be used when hanging the charger base on a wooden wall.

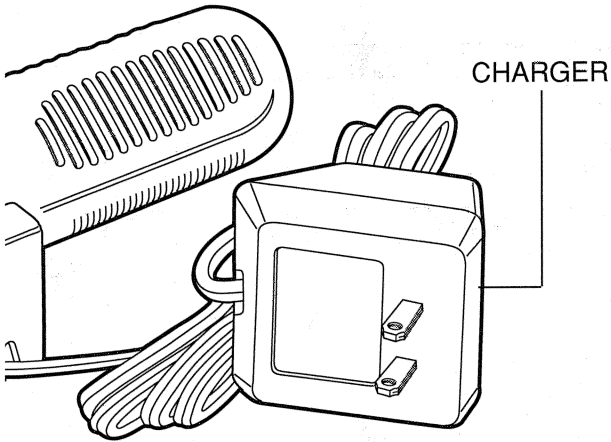


5. Hang the charger base vertically or horizontally as shown in Figure 2.
6. Hank the extra cord so it's out of the way.



## Charging Notes

**NOTE:** The screwdriver was sent from the factory in an uncharged condition. Before attempting to use it, it must be charged for 12 hours.



1. DO NOT PLACE the charger base in an area of extreme heat or cold ... it will work best at normal room temperature.
2. The charger housing and the screwdriver handle will become slightly warm to the touch. This is normal and does not indicate a problem.
3. Insert the tool into the charger base as shown in Figure 2. When properly installed, you will feel and hear a soft click.
4. The tool can be left on charge as long as you desire. A minimum charge time of 12 hours is required to recharge a completely discharged tool, but you may wish to keep the tool constantly on charge. The charger base is designed to work 24 hours a day every day.
5. For most jobs a charge of 3 to 4 hours will be adequate (20 #8 x 1" wood screws in pine without pilot hole). If the screwdriver has been completely discharged (does not run) it will require 12 hours of charging to reach a full charge. Of course the harder the tool works, the faster the batteries will become discharged. This will vary depending on the type of work being done.
6. Always store your screwdriver in its charger base when not in use. The charger base will keep the nickel-cadmium batteries "Topped Off" so your screwdriver is always ready.

## Bits and Storage

Three double ended screwdriver bits and three hex sockets are included with your screwdriver. The bits and sockets come in the sizes listed on this page.

### SCREWDRIVER BITS

- #1 Phillips/#6-#8 slotted
- #2 Phillips/#8-#10 slotted
- #3 Phillips/#10-#12 slotted

### HEX SOCKETS

- 1/4" hex
- 5/16" hex
- 3/8" hex

All of the bits and sockets can be stored in the plastic pouch provided with your tool.

## Automatic Spindle Lock

Your screwdriver is equipped with an Automatic Spindle Lock feature that locks the spindle in place whenever the switch button is released.

When the spindle is locked, operate the tool as you would any conventional (non-powered) screwdriver.

## Bit Insertion

### (Figure 3)

There is a spring retainer inside the tool's spindle that prevents bits from falling out. Simply insert the desired screwdriver bit as far as it will go. There's nothing to tighten, nothing to loosen. When finished, you can easily pull the bit out or store the tool with the bit in it.

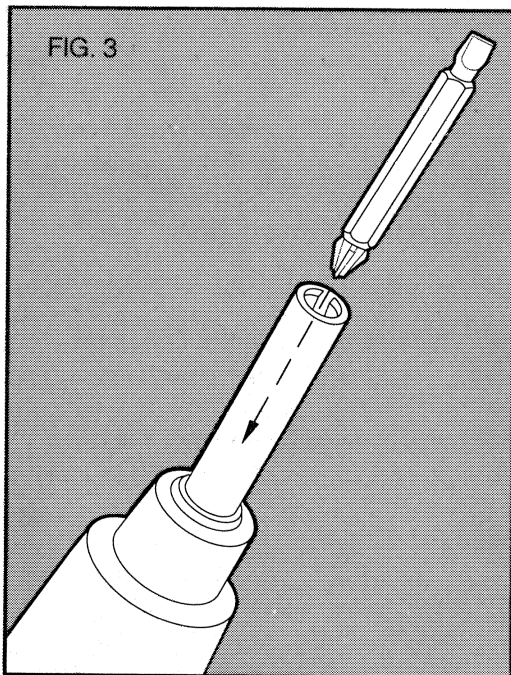


FIG. 3

## Switch (Figure 4)

To turn the screwdriver "ON" in a forward (driving screws) position, slide the switch to the right and align it with the arrow pointing forward. Depress the switch and the tool will run. Release the switch and the tool will stop. To operate in reverse (removing screws) slide the switch to the left and align it with the arrow pointing backward. Depress the switch and the tool will run. Release the switch and the tool will stop. To lock the tool "OFF", slide the switch from either side to the center (no arrow) position.

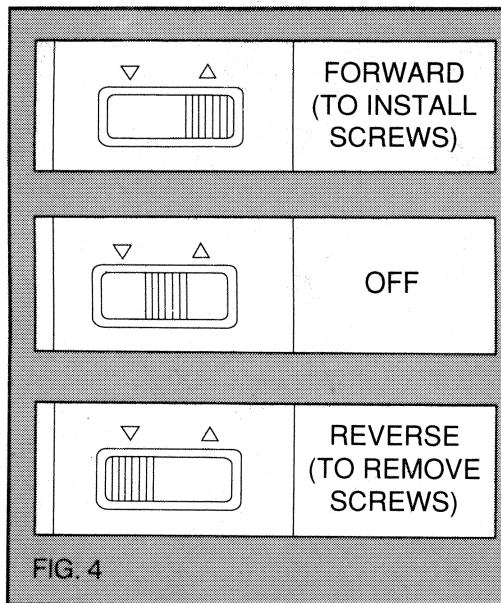


FIG. 4

## Operation

Although the screwdriver is really very simple to operate, a few tips on how to use it best are presented here for your information.

Be careful to avoid overtightening small brass screws. The heads can easily be twisted off and the threads can strip. Hand tightening of these screws is recommended.

We recommend that you use Phillips head screws whenever possible. They are easier to drive because the screwdriver bit will engage more firmly in the screw head.

## Pilot Holes

Pilot holes are holes that are slightly smaller than the screw which is to be driven. The pilot hole has two purposes. As its name suggests, it acts as a guide for the screw to follow and allows the screw to be driven with just the threads gripping the material. This makes the screw much easier to drive and prevents distortion or splitting of wood caused by driving the whole screw body into the wood.



Pilot holes should be drilled to a depth equal to or greater than the length of the screw to be used (except when drilling in sheet metal). For best results use a 1/4" or 3/8" power drill. When drilling in wood with a twist bit you should pull the bit out of the hole periodically to clear wood chips from the flutes.

When reinserting a screw into a hole that is already threaded, start the screw by hand to avoid stripping the threads in the hole. Run the screw in until you feel the threads catch, then apply the screwdriver.

## Accessories

The accessories listed in this manual are available at extra cost from your local dealer or Black & Decker Service Center. A complete listing of service centers is packed with your tool.

If you need assistance in locating any accessory, please contact:

Black & Decker (U.S.) Inc.  
Consumer Service Division  
626 Hanover Pike  
P.O. Box 618  
Hampstead, MD 21074-0618  
U.S.A.

Your screwdriver is designed to operate with the following accessories only. The use of any accessory or attachment not recommended in this manual may be hazardous.

### SCREWDRIVER BITS

All Black & Decker sizes and configurations.

### SOCKETS

Black & Decker hex sockets up to 3/8" maximum.

## Cleaning and Lubrication

Use only mild soap and a damp cloth to clean the tool. Other cleaners contain chemicals which could seriously damage the plastic. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Self-lubricating bearings are used in the tool and periodic relubrication is not required. In the unlikely event that this tool should ever require service, take or send it to your local Black & Decker Service Center. Service center addresses are listed on the owner's registration card packed with your tool.

## Important

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustments should be performed by Black & Decker Service Centers or other qualified service organizations, always using Black & Decker replacement parts.

## Batteries

When they reach the end of their useful life, the batteries in your tool will no longer accept a charge. This is a normal occurrence and signifies only that your tool needs battery replacement or it's time to replace the tool entirely.

Before discarding the old tool, the nickel cadmium batteries must be removed and recycled or disposed of properly. Cadmium is a toxic form of waste and is harmful to the environment. Contact your local municipality to find out how to properly recycle or dispose of the batteries or take or send the complete tool to your local Black & Decker Service Center. The service technicians will test the tool's battery at no labor charge and if battery replacement is required they will, at your direction, replace the battery and properly recycle or dispose of the old one. If you choose to replace the tool, they will be glad to take the old one and see to its proper recycling or disposal.

Tools which use nickel cadmium batteries have been designed for easy battery removal. They ARE NOT designed to be re-assembled except by qualified service technicians at Black & Decker Service Centers. To remove the batteries from your tool, refer to the section titled "Battery Removal" in this manual.

## Battery Removal

**IMPORTANT:** This tool is designed for easy disassembly for the purpose of battery removal. It is not designed to be re-assembled by the consumer.

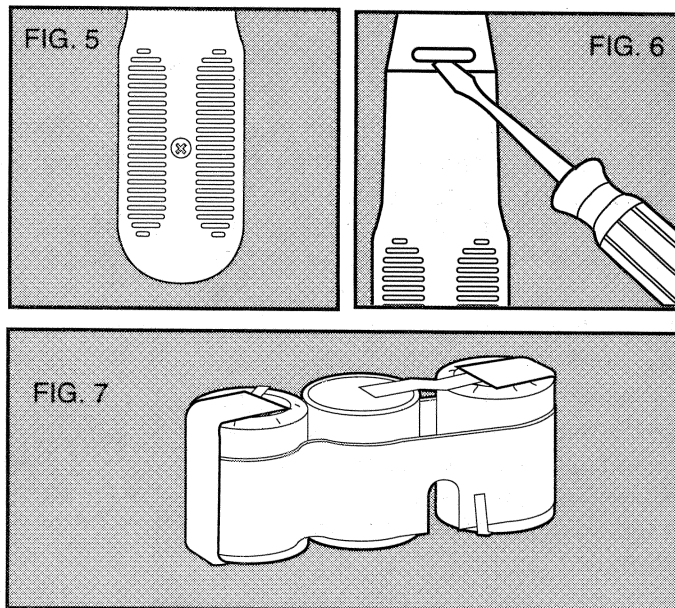
Before attempting to disassemble this tool, turn it on and run it in either direction until it stops to ensure a complete discharge of the batteries.

To disassemble the tool, remove the screw in the side of the tool body, as shown in Figure 5. Use a flat bladed screwdriver to pry up the locking clip, as shown in

Figure 6. Remove the locking clip from the tool. With the locking clip removed, pull the gear case off of the tool. (A number of small parts will fall out when you do this.) Take the two body halves apart and you will find the batteries.

Lift the batteries out and pull off the two terminal clips shown in Figure 7. Take of send the batteries to your local Black & Decker Service Center where they will be recycled or disposed of properly. If you decide to dispose of the batteries yourself, check with your municipality to learn about the local restrictions concerning disposal of nickel cadmium batteries.

The rest of you tool can disposed of as normal trash. Do not attempt to re-assemble the screwdriver.



## Warranty

Black & Decker (U.S.) Inc. warrants this product for one year from the date of purchase. We will repair without charge, any defects due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to any Black & Decker Service Center or Authorized Service Station listed under "Tools Electric" in the yellow pages. This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others.

Every Black & Decker tool is of the highest quality. If you wish to contact us regarding this product, please call toll free between 8:00 a.m. and 5:00 p.m. ET, Monday through Friday.

1-800-762-6672

Like most Black & Decker tools, this tool is listed by Underwriters Laboratories to ensure that it meets stringent safety requirements.



This symbol on the nameplate means the product is listed by Underwriters Laboratories, Inc.



See 'Tools-Electric' -Yellow Pages- for Service & Sales



**BLACK & DECKER®**

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