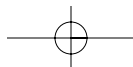


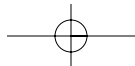
DEWALT

INSTRUCTION MANUAL DW130 1/2" Drill

ial Tool Company, 626 Hanover Pike, P.O. Box 158, Hampstead, MD 21074 Printed in U.S.A. (MAY95-CD-6) Form No. 158673-02
or information call toll free between 8:00 a.m. and 8:00 p.m., seven days a week. 1-800-4-DeWALT (1-800-433-9258)

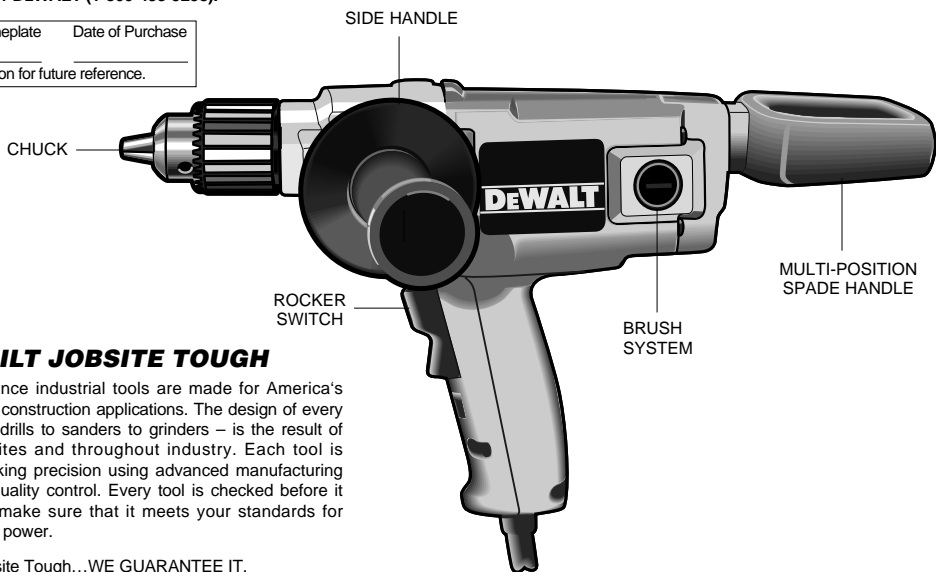
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ANY QUESTIONS OR COMMENTS
 FOR ANY DEWALT TOOL, CALL US
 1-800-4-DEWALT (1-800-433-9258).

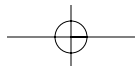
Nameplate	Date of Purchase
Information for future reference.	



...BUILT JOBSITE TOUGH

Performance industrial tools are made for America's
 industrial and construction applications. The design of every
 tool from drills to sanders to grinders – is the result of
 precision engineering and throughout industry. Each tool is
 built with painstaking precision using advanced manufacturing
 processes and quality control. Every tool is checked before it
 leaves the factory to make sure that it meets your standards for
 performance and power.

That's Jobsite Tough...WE GUARANTEE IT.



Important Safety Instructions

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

READ ALL INSTRUCTIONS

Double Insulation

Double insulated tools are constructed throughout with two separate layers of electrical insulation or one double thickness of insulation between you and the tool's electrical system. Tools built with this insulation system are not intended to be grounded. As a result, your tool is equipped with a two prong plug which permits you to use extension cords without concern for maintaining a ground connection.

NOTE: Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

CAUTION: WHEN SERVICING USE ONLY IDENTICAL REPLACEMENT PARTS. Repair or replace damaged cords.

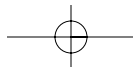
Polarized Plugs

Polarized plugs (one blade is wider than the other) are used on equipment to reduce the risk of electric shock. When provided, this plug will fit in the polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

Safety Instructions For All Tools

- **KEEP WORK AREA CLEAN.** Cluttered workbenches invite injuries.
- **CONSIDER WORK AREA ENVIRONMENT.** Do not expose power tools to rain. Don't use power tools in wet locations. Keep work area well lit. Do not work in the presence of flammable liquids or gases.
- **GUARD AGAINST ELECTRIC SHOCK.** Prevent contact with grounded surfaces. For example, radiators, ranges, and refrigerator enclosures.
- **KEEP CHILDREN AWAY.** Do not let visitors connect or extension cord. All visitors should be kept away from work area.
- **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of children's reach.
- **DON'T FORCE TOOL.** It will do the job better and at the rate for which it was intended.
- **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for which it was not intended.
- **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Safety gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to prevent long hair from being caught.
- **USE SAFETY GLASSES.** Also use face or dust mask when operation is dusty.
- **DON'T ABUSE CORD.** Never carry tool by cord or use cord to disconnect from receptacle. Keep cord from being caught in and sharp edges.

(Black plate)



WORK. Use clamps or a vise to hold work. It's safer for your hand and it frees both hands to operate tool. **REACH.** Keep proper footing and balance at all

TOOLS WITH CARE. Keep tools sharp and clean for better performance. Follow instructions for lubricating accessories. Inspect tool cords periodically and if they are repaired by authorized service facility. Inspect tools periodically and replace if damaged. Keep clean, and free from oil and grease.

TURN OR LOCK OFF TOOLS when not in use, before changing accessories, such as blades, bits,

JUSTICE KEYS AND WRENCHES. Form habit of using keys and adjusting wrenches are removed before turning it on.

UNINTENTIONAL STARTING. Don't carry tool with your hand. Be sure switch is off when plugging in.

CORDS. Make sure your extension cord is in good condition when using an extension cord, be sure to use one rated to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct cord depending on cord length and nameplate ampere output, use the next heavier gage. The smaller the cord, the heavier the cord.

Rating Not more Than	Minimum Gage for Cord Sets			
	Total Length of Cord in Feet			
	0-25 0-50	26-50 51-100	51-100 101-200	101-150 201-300
6	18	16	16	14
10	18	16	14	12
12	16	16	14	12
16	14	12	Not Recommended	

- **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- **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.
- **CAUTION:** When drilling or driving into walls, floors or wherever live electrical wires may be encountered, **DO NOT TOUCH ANY METAL PARTS OF THE TOOL!** Hold the tool only by insulated grasping surfaces to prevent electric shock if you drill or drive into a live wire.

SAVE THESE INSTRUCTIONS

Motor Brushes

Be sure tool is unplugged before inspecting brushes. To inspect brushes, unscrew the plastic brush inspection caps (located in the sides of the motor housing) and withdraw the brush assemblies from the tool.

Keep brushes clean and sliding freely in their guides. Carbon brushes have varying symbols stamped into them, and if the brush is worn down to a point where the symbol is not visible, they must be replaced. New brush assemblies are available at Service Centers; see TOOLS, ELECTRIC in the Yellow Pages.

NOTE: This tool is designed to automatically turn itself off when the brushes are worn out.

Spade Handle Assembly: (Fig. 1)

This spade handle can be attached either horizontally or vertically. Place the handle into the locating boss on the back of the drill and assemble with holding knob.

Side Handle (Fig. 1)

The side handle can be placed in either side of the drill or the top of the drill according to operator preference and available working clearance. The spade handle can be temporarily removed if working clearance at rear of tool is limited. Always replace spade handle when possible.

CAUTION: Always use the side handle and switch handle. This is a high-torque drill. Always hold it firmly with both hands when operating.

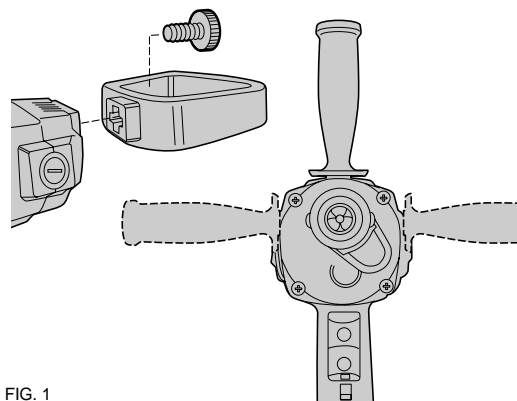
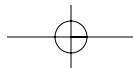


FIG. 1



Switch: (Fig. 2)

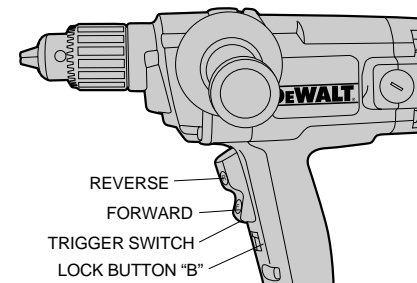
Pressing the TOP part of the switch runs the tool in a reverse direction. Pressing the BOTTOM part of the switch runs the tool in a forward direction. Always let the motor stop completely before changing direction.

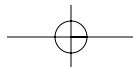
To lock trigger in "FORWARD" position, depress LOWER part of lock button and push up lock button "B". Then, while holding lock button, gently release trigger. To release locking mechanism, depress lock button fully, then release it.

NOTE: Locking mechanism will not function if upper part of lock button is depressed (reverse operation).

The locking feature is for use when the drill is mounted in a vise or otherwise firmly held...**NOT BY HAND.**

Do not lock the switch "ON" when drilling by hand. If the bit binds, instantly release the trigger switch if the bit binds in the hole. Be sure to release the switch locking button before disconnecting the plug from the power supply. Failure to do so will cause damage to the plug immediately the next time it is plugged in. Damage will result.





Drilling in Wood

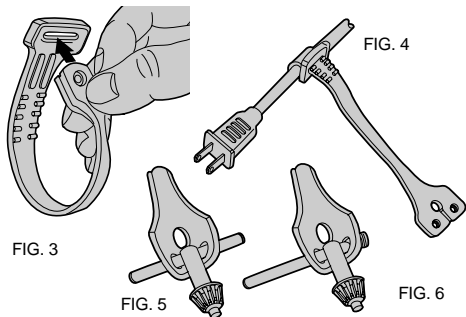
Holes in wood can be made with the same twist drills used for metal. These bits may overheat unless pulled out frequently to clear chips from the flutes. For larger holes, use power drill wood bits. Work that is apt to splinter should be backed up with a block of wood.

Drilling in Masonry

Use carbide tipped masonry bits at low speeds. Keep even force on the drill but not so much that you crack the brittle materials. A smooth, even flow of dust indicates the proper drilling rate.

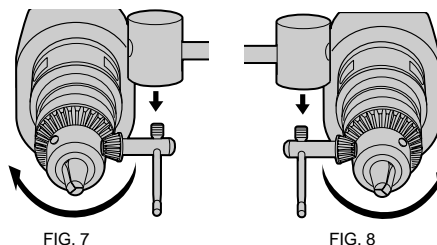
Chuck Key Holder

1. Push double-hole end of holder through slot in other end of holder. (Figure 3).
2. Slip loop over electric plug and draw loop tight around cord (Figure 4).
3. Push ends of chuck key handle through two holes in end of holder (Figure 6).



Chuck Removal (Figures 7 & 8)

1. Place chuck key in chuck as shown in Figure 7. Using a wooden mallet or similar object, strike key sharply in a **CLOCKWISE** direction. This will loosen screw inside chuck.
2. Open chuck jaws fully. Insert screwdriver into front of chuck between jaws to engage screw head. Remove screw by turning clockwise (left-hand thread).
3. Place key in chuck as shown in Figure 8. Using a wooden mallet or similar object, strike key sharply in a **COUNTERCLOCKWISE** direction. This will loosen chuck so that it can be unscrewed by hand.



Lubrication

All ball bearings used are factory lubricated to last the life of the bearings. All needle bearings used receive their lubrication from the grease in the gear case. Clean and re-lubricate gear case yearly or whenever servicing requires the gear case to be removed. Use type and quantity of grease shown on Parts Bulletin packed with your tool. Gear case is removed by removing the three screws from the front of the tool. If the chuck is too large to permit removal of the two top screws, see instructions for chuck removal.

Accessories

Recommended accessories for use with your tool are available at a cost from your local service center. CAUTION: The use of any recommended accessory may be hazardous.

A complete listing of service centers is included with your tool. If you need any assistance in locating any accessory, contact DeWalt Industrial Tool Company, P.O. Box 158, 6260 DeWalt Drive, Hampstead, MD 21074 or call 1-800-4-DEWALT (1-800-435-9272).

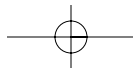
Maximum Recommended Capacity

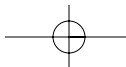
BITS, METAL DRILLING	1/2"
WOOD, FLAT BORING	1/2"
BITS, MASONRY DRILLING	3/8"
HOLE SAWS	4"
WIRE WHEEL BRUSHES	4"
WIRE CUP BRUSH	3"
BUFFING WHEELS	3"
RUBBER BACKING PADS	4"

Important

To assure product SAFETY and RELIABILITY, repair and adjustment should be performed by Black & Decker Industrial Service Centers or other qualified service organizations. These service organizations service DeWalt tools always use replacement parts.

DeWalt tools are serviced by the Industrial Tool Division of DeWalt Decker (U.S.) Inc.





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duty industrial tools are warranted for one year chase. We will repair, without charge, any defects terials or workmanship. Arrangements have been ndustrial Tool Division of Black & Decker (U.S.) warranty repairs for DeWalt tools. Please return it, transportation prepaid, to any Black & Decker rial Service Center or Authorized Service Station ols, Electric” in the Yellow Pages. This warranty o accessories or damage caused where repairs e or attempted by others. This warranty gives you ghts and you may have other rights which vary te.

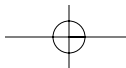
warranty, DeWalt tools are covered by our:

NO RISK SATISFACTION GUARANTEE

ompletely satisfied with the performance of your duty industrial tool, simply return it to the er within 30 days for a full refund. Please return it, transportation prepaid. Proof of purchase may



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



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