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**INSTRUCTION MANUAL
GUIDE D'UTILISATION
MANUAL DE INSTRUCCIONES**

INSTRUCTIVO DE OPERACIÓN, CENTROS DE SERVICIO Y PÓLIZA DE GARANTÍA ADVERTENCIA: LÉASE ESTE INSTRUCTIVO ANTES DE USAR EL PRODUCTO.

DEWALT®

DW937/DW938

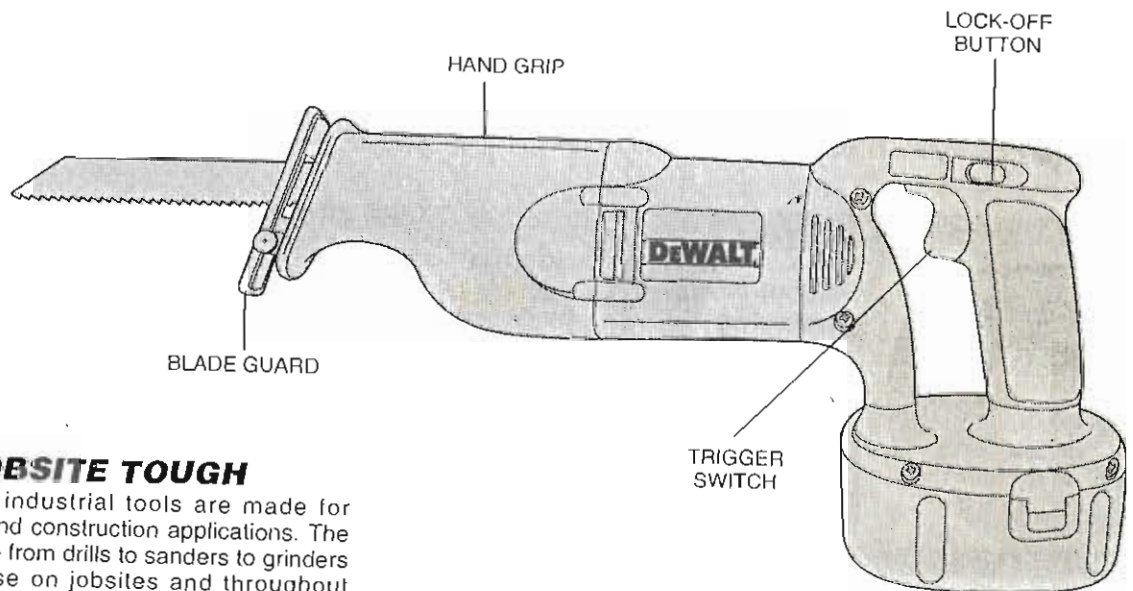
Heavy-Duty Cordless Reciprocating Saws

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1-800-4-DEWALT (1-800-433-9258)

English



DEWALT...BUILT JOBSITE TOUGH

DEWALT high performance industrial tools are made for America's toughest industrial and construction applications. The design of every tool in the line – from drills to sanders to grinders – is the result of rigorous use on jobsites and throughout industry. Each tool is produced with painstaking precision using advanced manufacturing systems and intense quality control. Every tool is checked before it leaves the factory to make sure that it meets your standards for durability, reliability and power.

DEWALT Built Jobsite Tough...WE GUARANTEE IT.

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General Safety Rules – For All Battery Operated Tools

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

SAVE THESE INSTRUCTIONS

WORK AREA

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- 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.
- Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

- Do not abuse the cord. Never use the cord to carry the tool. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords may create a fire.
- A battery operated tool with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
- Use battery operated tool only with the specifically designated battery pack. Use of any other batteries may create a risk of fire.

- Disconnect battery pack from tool or place the switch in the locked or off position before making any adjustments, changing accessories, or storing the tool. Such preventative safety measures reduce the risk of starting the tool accidentally.
- Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.
- 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 sparks, burns, or a fire.
- Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained 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 tools 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 may be suitable for one tool, may create a risk of injury when used on another tool.

SERVICE

- Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in a 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 shock or injury.

Additional Safety Rules

- Hold tool by insulated gripping surfaces when performing an operation where the tool may contact hidden wiring. Contact with a "live" wire will also make exposed metal parts of the tool "live" and shock the operator.

PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use 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.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothing, jewelry, or long hair can be caught in moving parts. Air vents often cover moving parts and should also be avoided.
- Avoid accidental starting. Be sure switch is in the locked or off position before inserting battery pack. Carrying tools with your finger on the switch or inserting the battery pack into a tool with the switch on invites accidents.
- Remove adjusting keys or wrenches before turning the tool on. A wrench or a 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.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

- Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to a loss of control.
- Do not force 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 tool if switch does not turn it on or off. A tool that cannot be controlled with the switch is dangerous and must be repaired.

- When working on a ladder or on scaffolding be sure to lay the tool down on its side when not in use. Some tools with large battery packs will stand upright but may be easily knocked over.

⚠ CAUTION: Wear appropriate hearing protection during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

⚠ 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 and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber (CCA).

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 those dust masks that are specially designed to filter out microscopic particles.

- Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.
- The label on your tool may include the following symbols.

Vvolts
Aamperes
Hzhertz
Wwatts
minminutes
~alternating current
.....direct current

- n_0 no load speed
-Class II Construction
-/min.....revolutions or reciprocation per minute
- ⊕earthing terminal
- ⚠safety alert symbol

Important Safety Instructions for Battery Packs

The battery pack is not fully charged out of the carton! First read the safety instructions below. Then follow charging notes and procedures.

READ ALL INSTRUCTIONS.

- Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire.
- A small leakage of liquid from the battery pack cells may occur under extreme usage or temperature conditions. This does not indicate a failure. However, if the outer seal is broken and this leakage gets on your skin:
 - a. Wash quickly with soap and water.
 - b. Neutralize with a mild acid such as lemon juice or vinegar.
 - c. If battery liquid gets into your eyes, flush them with clean water for a minimum of 10 minutes and seek immediate medical attention. (Medical note: The liquid is 25-35% solution of potassium hydroxide.)
- Do not carry extra battery packs in aprons, pockets, or tool boxes along with other metal objects. Battery pack could be short circuited causing damage to the battery pack and possibly causing severe burns or fire.
- Charge the battery packs only in DEWALT chargers.
- **NOTE:** The batteries in your battery pack are the nickel-cadmium type. Cadmium is considered to be a toxic material by the Environmental Protection Agency. Before disposing of damaged or worn out Nickel-Cadmium battery packs, check with your state Environmental Protection Agency to find out about special

restrictions on the disposal of these battery packs or return them to a DEWALT certified service center for recycling.

- **DO NOT** store or use the tool and battery pack in locations where the temperature may reach or exceed 105°F (such as outside sheds or metal buildings in summer).
- ⚠ **DANGER:** Never attempt to open the battery pack for any reason. If battery pack case is cracked or damaged, do not insert into charger. Danger of electric shock or electrocution. Damaged battery packs should be returned to service center for recycling.

The RBRC™ Seal

The RBRC™ (Rechargeable Battery Recycling Corporation) Seal on the nickel-cadmium battery (or battery pack) indicates that the costs to recycle the battery (or battery pack) at the end of its useful life have already been paid by DEWALT. In some areas, it is illegal to place spent nickel-cadmium batteries in the trash or municipal solid waste stream and the RBRC program provides an environmentally conscious alternative.

RBRC in cooperation with DEWALT and other battery users, has established programs in the United States to facilitate the collection of spent nickel-cadmium batteries. Help protect our environment and conserve natural resources by returning the spent nickel-cadmium battery to an authorized DEWALT service center or to your local retailer for recycling. You may also contact your local recycling center for information on where to drop off the spent battery.



Important Safety Instructions for Battery Chargers

SAVE THESE INSTRUCTIONS - This manual contains important safety instructions for DEWALT battery chargers.

- Before using battery charger, read all instructions and cautionary markings on battery charger, battery and product using battery.
- ⚠ **CAUTION:** To reduce the risk of injury, charge only DEWALT nickel cadmium rechargeable batteries. Other types of batteries

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may burst causing personal injury and damage.

⚠ **CAUTION:** Under certain conditions, with the charger plugged in to the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil, or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.

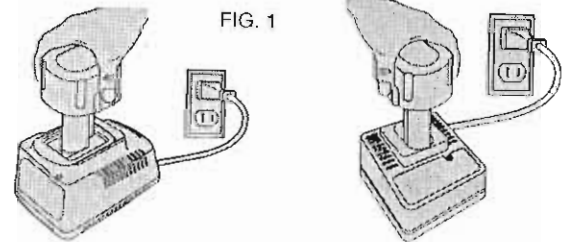
⚠ **DANGER:** 120 volts present at charging terminals. Do not probe with conductive objects. Danger of electric shock or electrocution.

⚠ **WARNING:** Don't allow any liquid to get inside charger. Electric shock may result.

- The charger and battery pack are specifically designed to work together. **DO NOT** attempt to charge the battery pack with any chargers other than the ones in this manual.
- These chargers are not intended for any uses other than charging DEWALT rechargeable batteries. Any other uses may result in risk of fire, electric shock or electrocution.
- To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
- Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in risk of fire, electric shock, or electrocution.
- An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety. The smaller the gauge number of the wire, the greater the capacity of the cable, that is 16 gauge has more capacity than 18 gauge. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size.

Recommended Minimum AWG Size for Extension Cords

Total Extension Cord Length (feet)	25	50	75	100	125	150	175
	18	18	16	16	14	14	12



Wire Gauge

- The charger is ventilated through slots in the top and the bottom of the housing. Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat. Place the charger in a position away from any heat source.
- Do not operate charger with damaged cord or plug — have them replaced immediately.
- Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to an authorized service center.
- Do not disassemble charger; take it to an authorized service center when service or repair is required. Incorrect reassembly may result in a risk of electric shock, electrocution or fire.
- To reduce risk of electric shock, unplug charger from outlet before attempting any cleaning. Removing the battery pack will not reduce this risk.
- **NEVER** attempt to connect 2 chargers together.
- The charger is designed to operate on standard household electrical power (120 Volts AC). Do not attempt to use it on any other voltage! This does not apply to vehicular charger.

Chargers

Your battery can be charged in DEWALT 1 Hour Chargers, 15

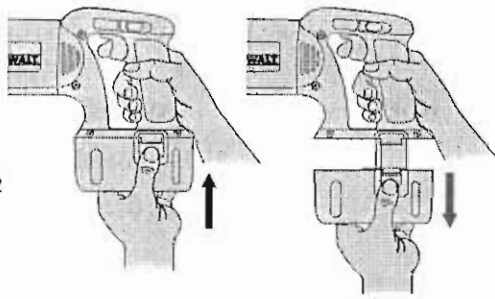


FIG. 2

Minute Chargers or Vehicular 12 volt charger. Be sure to read all safety instructions before using your charger.

Consult chart on back cover for compatibility of chargers and battery packs.

Charging Procedure

1 HOUR CHARGERS

1. Plug the charger into an appropriate power outlet.
2. Insert the battery pack into the charger, as shown in FIG. 1, making sure the pack is fully seated in the charger. The red (charging) light will blink continuously indicating that the charging process has started.
3. The battery pack will be fully charged in about 1 hour. The completion of charge will be indicated by the red light remaining ON continuously. The pack is fully charged and may be used at this time or left in the charger.

PROBLEM POWER LINE

If your charger has a Problem Power Line indicator: When the charger is used with some portable power sources such as generators or sources that convert DC to AC, the charger may temporarily suspend operation, **flashing the red light with two fast blinks followed by a pause**. This indicates the power source is out of limits.

charge, it may need to be recharged before use. A battery pack may also slowly lose its charge if left in a charger that is not plugged into an appropriate AC source.

TROUBLE INDICATORS: These chargers are designed to detect certain problems that can arise with battery packs which would be indicated by the red light flashing at a fast rate (and continuous beeping for 15 Minute Chargers). If this occurs, re-insert battery pack. If problem persists, try a different battery pack to determine if the charger is OK. If the new pack charges correctly, then the original pack is defective and should be returned to a service center for recycling. If the new battery pack elicits the same trouble indication as the original, have charger tested at an authorized service center.

BATTERY PERFORMANCE

Some chargers have a tune-up feature optimizes battery pack performance. Your charger may provide Automatic Tune-Up™ Mode or manual (i.e. push button) Tune-Up™ mode. For information on this feature, please see the appropriate section below. Because batteries slowly lose their charge when they are not on the charger, the best place to keep your battery pack is on the charger at all times.

Using Automatic Tune-Up™ Mode

The Automatic Tune-Up™ Mode equalizes or balances the individual cells in the battery pack allowing it to function at peak capacity. Battery packs should be tuned up after every 10th charge/discharge cycle or whenever the pack no longer delivers the same amount of work. To use the automatic tune-up mode, simply place the battery pack in the charger and leave it for at least eight hours. The charger will cycle through the following modes.

1. The red light will blink continuously indicating that the 1-hour charge cycle has started.
2. When the 1-hour charge cycle is complete, the light will stay on continuously and will no longer blink. This indicates that the pack is fully charged and can be used at this time.

HOT PACK DELAY

If your charger has a Hot Pack Delay feature: When the charger detects a battery that is hot, it automatically starts a Hot Pack Delay, suspending charging until the battery has cooled. After the battery has cooled, the charger automatically switches to the Pack Charging mode. This feature ensures maximum battery life. The red light flashes long, then short while in the Hot Pack Delay mode.

15 MINUTE CHARGERS

1. Plug the charger into an appropriate power outlet. The charger will beep twice, the red light will blink and go off.
2. Insert the battery pack into the charger, as shown in FIG. 1, making sure the pack is fully seated in the charger. The red light will blink and the charger will beep once indicating the charging process has started.
3. The battery pack will be fully charged in less than 15 minutes under most conditions. This will be indicated by the red light remaining ON and 3 beeps. The pack is fully charged and may be used at this time or left in the charger.

WEAK BATTERY PACKS: The charger can also detect a weak battery. Such batteries are still usable but should not be expected to perform as much work. In such cases, about 10 seconds after battery insertion, the charger will beep rapidly 8 times to indicate a weak battery condition. The charger will then go on to charge the battery to the highest capacity possible.

ALL CHARGERS

Leaving the battery pack in the charger: When the red light remains ON, the charger has switched to its "equalize charge" mode which lasts approximately 4 hours, after which the charger will switch to "maintenance charge" mode. The battery pack can be removed at any time during these charge cycles, but will only be fully charged if the red light is continuously ON. The charger and battery pack can be left connected with the red light glowing indefinitely. The charger will keep the battery pack fresh and fully charged. A battery pack will slowly lose its charge when kept out of the charger. If the battery pack has not been kept on maintenance

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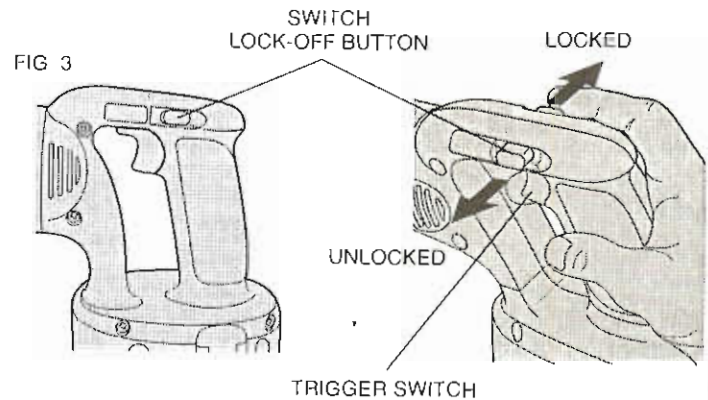


FIG. 3

3. Whenever the pack is left in the charger after the initial 1-hour charge, the charger will begin the Automatic Tune-Up™ Mode. This mode continues up to 8 hours or until the individual cells in the battery pack are equalized. The battery pack is ready for use and can be removed at any time during the Tune-Up™ Mode.
4. Once the Automatic Tune-Up™ Mode is complete the charger will transition to a maintenance charge; no indicator light shows the completion of the Automatic Tune-Up™ Mode.

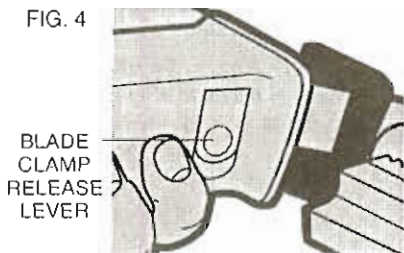
Using the Manual Tune-Up™ Mode

The manual Tune-up™ mode equalizes or balances the individual cells in the battery pack at its peak capacity. This mode takes up to 8 hours to complete. Battery packs should be tuned up weekly or after 10 to 20 charge/discharge cycles or whenever the pack no longer delivers the same amount of work.

1. To tune up your battery pack, place the battery in the charger as usual. The red light will blink continuously indicating that the charge cycle has started.
2. Press the Tune-Up™ Mode button any time after the charge cycle has started. The red light will stop blinking momentarily,

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FIG. 4



blink quickly 3 times, and then resume blinking continuously. The charger is now tuning up the cells in your battery.

- When the Tune-Up™ mode cycle is complete, the light will stay on continuously. The pack is fully charged and may be used at this time or left in the charger.
- If you select Tune-Up™ Mode and then change your mind, remove the battery from the charger. After 5 seconds, insert the battery into the charger. The normal charge cycle will begin.

Important Charging Notes

- Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 65°F and 75°F (18°- 24°C). DO NOT charge the battery pack in an air temperature below +40°F(+4.5°C), or above +105°F (+40.5°C). This is important and will prevent serious damage to the battery pack.
- The charger and battery pack may become warm to touch while charging. This is a normal condition, and does not indicate a problem.
- If the battery pack does not charge properly — (1) Check current at receptacle by plugging in a lamp or other appliance, (2) Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights. (3) Move charger and battery pack to a location where the surrounding air temperature is approximately 65°F - 75°F (18° - 24°C). (4) If charging problems

persist, take or send the tool, battery pack and charger to your local service center.

- The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. DO NOT CONTINUE to use under these conditions. Follow the charging procedure. You may also charge a partially used pack whenever you desire with no adverse affect on the battery pack.
- Do not immerse charger in water or any other liquid.

⚠WARNING: Don't allow any liquid to get inside charger. Electric shock may result. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed, or an uninsulated trailer.

⚠CAUTION: Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, return to a service center for recycling.

Operation

Switch (Variable Speed) (Fig. 3)

SWITCH LOCK-OFF BUTTON

Your saw switch is equipped with a lock-off button. To lock the switch, press the lock-off button as shown in Fig. 3. Always lock the switch when carrying or storing the tool to eliminate unintentional starting. The lock-off button is colored red to indicate when the switch is in its unlocked position.

TRIGGER SWITCH

Press the lock-off button as shown in Figure 3. Pull the trigger switch to turn the motor ON. Releasing the trigger turns the motor OFF.

NOTE: This tool has no provision to lock the switch in the ON position, and should never be locked ON by any other means.

The variable speed trigger switch will give you added versatility. The further the trigger is depressed the higher the speed of the saw.

⚠CAUTION: Use of very slow speed is recommended only for beginning a cut. Prolonged use at very slow speed may damage your saw.

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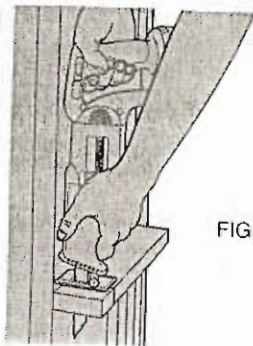


FIG. 5

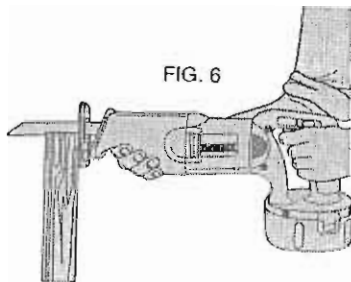


FIG. 6

Blade Clamp Release Lever (Fig. 4)

TO INSTALL BLADE INTO SAW:

- LOCK TRIGGER SWITCH AND REMOVE BATTERY PACK.

To install blade into saw:

- Open blade clamp release lever up.
- Insert blade shank from the front.
- Close blade clamp release lever down.

To Remove blade from saw:

- Open up blade clamp release lever.
- Remove blade.

Flush-To Cutting (Figure 5)

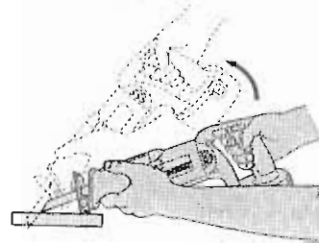
The compact design of the saw motor housing and spindle housing permits extremely close cutting to floors, corners and other difficult areas.

⚠CAUTION: When sawing 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 and housing to prevent electric shock if you saw into a "live" wire.

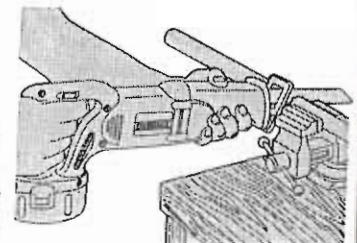
ROCK TOOL UP TO NORMAL CUTTING POSITION AFTER BLADE HAS CUT THROUGH MATERIAL

FIG. 7

FIG. 8



STARTING POSITION FOR POCKET CUTTING



⚠CAUTION: Always wear eye protection while operating this power tool.

Wood Cutting (Figure 6)

Before cutting any type of wood, be sure it is firmly anchored or clamped to prevent slipping. Place blade lightly against work to be cut, switch on saw motor and allow it to obtain maximum speed before applying pressure. Always hold saw firmly with both hands while cutting. Whenever possible, the saw shoe must be held firmly against the material being cut. This will prevent the saw from jumping or vibrating and minimize blade breakage.

Pocket Cutting (Fig. 7) (Wood Only)

The initial step in pocket cutting is to measure the surface area to be cut and mark clearly with a pencil, chalk or scribe. Insert pocket cutting blade in blade clamp and tighten blade clamp securely. Next, tip the saw backward until the back edge of the shoe is resting on the work surface. Now switch motor on, always permitting blade to attain maximum speed. Grip handle steadily and begin a slow,

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deliberate upward swing with the handle of the saw. Blade will begin to feed into material. Always be sure blade is completely through material before continuing with pocket cut.

NOTE: In areas where blade visibility is limited, use the edge of the saw shoe as a guide. Lines for any given cut should be extended beyond edge of cut to be made.

Metal Cutting (Figure 8)

This unit has different metal cutting capacities depending upon type of blade used and the metal to be cut. Use a finer blade for ferrous metals and a coarse blade for non-ferrous materials. In thin gauge sheet metals it is best to clamp wood to both sides of sheet. This will insure a clean cut without excess vibration or tearing of metal. Always remember not to force cutting blade as this reduces blade life and causes costly blade breakage.

NOTE: It is generally recommended that when cutting metals you should spread a thin film of oil or other coolant along the line ahead of the saw cut for easier operation and longer blade life.

Lubrication

Your tool was properly lubricated before leaving the factory. In from two to six months, depending upon use, take or send your tool to a Service Center, or authorized service station, for a complete cleaning, inspection and lubrication. Tools used constantly on production jobs will need relubrication more often. Also, tools "out of service" for long periods should be relubricated before being put back to work.

Important

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment should be performed by qualified service organizations. These service organizations service DEWALT tools always using DEWALT replacement parts.

Accessories

Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory for your tool, contact:

DEWALT Industrial Tool Co., 701 East Joppa Road, Baltimore, MD 21286

CAUTION: The use of any other accessory not recommended for use with this tool could be hazardous.

Full Warranty

DEWALT heavy duty industrial tools are warranted for one year from date of purchase. We will repair, without charge, any defects due to faulty materials or workmanship. For warranty repair information, call 1-800-4-DEWALT. This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

In addition to the warranty, DEWALT tools are covered by our:

30 DAY NO RISK SATISFACTION GUARANTEE

If you are not completely satisfied with the performance of your DEWALT heavy duty industrial tool, simply return it to the participating seller within 30 days for a full refund. Please return the complete unit, transportation prepaid. Proof of purchase may be required.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call 1-800-4-DEWALT for a free replacement.