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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®

**DCS361**

**7-1/4" (184 mm) 20 V Max\* Cordless Sliding Compound Miter Saw**  
**Scie à onglet composé coulissante sans fil 184 mm (7-1/4 po), 20 V max\***  
**Sierra ingleteadora compuesta deslizante inalámbrica de 184 mm**  
**(7-1/4") de 20 V Máx\***



### Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

**⚠ DANGER:** Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.

**⚠ WARNING:** Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.

**⚠ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

**NOTICE:** Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS OR ANY DEWALT TOOL, CALL US TOLL FREE AT: 1-800-4-DEWALT (1-800-433-9258).



**WARNING:** To reduce the risk of injury, read the instruction manual.

### Important Safety Instructions



**WARNING!** Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

### SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

#### 1) WORK AREA SAFETY

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **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.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

#### 2) ELECTRICAL SAFETY

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

#### 3) PERSONAL SAFETY

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hardhat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

#### 4) POWER TOOL USE AND CARE

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

#### 5) BATTERY TOOL USE AND CARE

- a) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.



- b) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
  - c) **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 burns or a fire.
  - d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
  - e) **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
  - f) **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
  - g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.
- 6) SERVICE**
- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
  - b) **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

### Safety Instructions for Miter Saws

- a) **Miter saws are intended to cut wood or wood-like products, they cannot be used with abrasive cut-off wheels for cutting ferrous material such as bars, rods, studs, etc.** Abrasive dust causes moving parts such as the lower guard to jam. Sparks from abrasive cutting will burn the lower guard, the kerf insert and other plastic parts.
- b) **Use clamps to support the workpiece whenever possible. If supporting the workpiece by hand, you must always keep your hand at least 6" (152 mm) from either side of the saw blade. Do not use this saw to cut pieces that are too small to be securely clamped or held by hand.** If your hand is placed too close to the saw blade, there is an increased risk of injury from blade contact.
- c) **The workpiece must be stationary and clamped or held against both the fence and the table. Do not feed the workpiece into the blade or cut "freehand" in any way.** Unrestrained or moving workpieces could be thrown at high speeds, causing injury.
- d) **Push the saw through the workpiece. Do not pull the saw through the workpiece.** To make a cut, raise the saw head and pull it out over the workpiece without cutting, start the motor, press the saw head down and push the saw through the workpiece. Cutting on the pull stroke is likely to cause the saw blade to climb on top of the workpiece and violently throw the blade assembly towards the operator.
- e) **Never cross your hand over the intended line of cutting either in front or behind the saw blade.** Supporting the workpiece "cross handed" i.e. holding the workpiece to the right of the saw blade with your left hand or vice versa is very dangerous.
- f) **Do not reach behind the fence with either hand closer than 6" (152 mm) from either side of the saw blade, to remove wood scraps, or for any other reason while the blade is spinning.** The proximity of the spinning saw blade to your hand may not be obvious and you may be seriously injured.
- g) **Inspect your workpiece before cutting. If the workpiece is bowed or warped, clamp it with the outside bowed face toward the fence. Always make certain that there is no gap between the workpiece, fence and table along the line of the cut.**

Bent or warped workpieces can twist or shift and may cause binding on the spinning saw blade while cutting. There should be no nails or foreign objects in the workpiece.

- h) **Do not use the saw until the table is clear of all tools, wood scraps, etc., except for the workpiece.** Small debris or loose pieces of wood or other objects that contact the revolving blade can be thrown with high speed.
- i) **Cut only one workpiece at a time.** Stacked multiple workpieces cannot be adequately clamped or braced and may bind on the blade or shift during cutting.
- j) **Ensure the miter saw is mounted or placed on a level, firm work surface before use.** A level and firm work surface reduces the risk of the miter saw becoming unstable.
- k) **Plan your work. Every time you change the bevel or miter angle setting, make sure the fence will not interfere with the blade or the guarding system.** Without turning the tool "ON" and with no workpiece on the table, move the saw blade through a complete simulated cut to assure there will be no interference or danger of cutting the fence.
- l) **Provide adequate support such as table extensions, saw horses, etc. for a workpiece that is wider or longer than the table top.** Workpieces longer or wider than the miter saw table can tip if not securely supported. If the cut-off piece or workpiece tips, it can lift the lower guard or be thrown by the spinning blade.
- m) **Do not use another person as a substitute for a table extension or as additional support.** Unstable support for the workpiece can cause the blade to bind or the workpiece to shift during the cutting operation pulling you and the helper into the spinning blade.
- n) **The cut-off piece must not be jammed or pressed by any means against the spinning saw blade.** If confined, i.e. using length stops, the cut-off piece could get wedged against the blade and thrown violently.
- o) **Always use a clamp or a fixture designed to properly support round material such as rods or tubing.** Rods have a tendency to roll while being cut, causing the blade to "bite" and pull the work with your hand into the blade.
- p) **Let the blade reach full speed before contacting the workpiece.** This will reduce the risk of the workpiece being thrown.
- q) **If the workpiece or blade becomes jammed, turn the miter saw off. Wait for all moving parts to stop and disconnect the plug from the power source and/or remove the battery pack. Then work to free the jammed material.** Continued sawing with a jammed workpiece could cause loss of control or damage to the miter saw.
- r) **After finishing the cut, release the switch, hold the saw head down and wait for the blade to stop before removing the cut-off piece.** Reaching with your hand near the coasting blade is dangerous.
- s) **Hold the handle firmly when making an incomplete cut or when releasing the switch before the saw head is completely in the down position.** The braking action of the saw may cause the saw head to be suddenly pulled downward, causing a risk of injury.

### Additional Safety Rules for Miter Saws

**⚠WARNING:** Do not insert the battery into the unit until complete instructions are read and understood.

- **DO NOT OPERATE THIS MACHINE** until it is completely assembled and installed according to the instructions. A machine incorrectly assembled can cause serious injury.
- **OBTAIN ADVICE** from your supervisor, instructor, or another qualified person if you are not thoroughly familiar with the operation of this machine. Knowledge is safety.
- **FOLLOW ALL WIRING CODES** and recommended electrical connections to prevent shock or electrocution. Protect electric supply line with at least a 15 ampere time-delay fuse or a circuit breaker.
- **MAKE CERTAIN** the blade rotates in the correct direction. The teeth on the blade should point in the direction of rotation as marked on the saw.

- **TIGHTEN ALL CLAMP HANDLES**, knobs and levers prior to operation. Loose clamps can cause parts or the workpiece to be thrown at high speeds.
- **BE SURE** all blade and blade clamps are clean, recessed sides of blade clamps are against blade and arbor screw is tightened securely. Loose or improper blade clamping may result in damage to the saw and possible personal injury.
- **DO NOT OPERATE ON ANYTHING OTHER THAN THE DESIGNATED VOLTAGE** for the saw. Overheating, damage to the tool and personal injury may occur.
- **DO NOT WEDGE ANYTHING AGAINST THE FAN** to hold the motor shaft. Damage to tool and possible personal injury may occur.
- **NEVER CUT METALS** or masonry. Either of these can cause the carbide tips to fly off the blade at high speeds causing serious injury.
- **NEVER HAVE ANY PART OF YOUR BODY IN LINE WITH THE PATH OF THE SAW BLADE.** Personal injury will occur.
- **NEVER APPLY BLADE LUBRICANT TO A RUNNING BLADE.** Applying lubricant could cause your hand to move into the blade resulting in serious injury.
- **DO NOT** place either hand in the blade area when the saw is connected to the power source. Inadvertent blade activation may result in serious injury.
- **NEVER REACH AROUND OR BEHIND THE SAW BLADE.** A blade can cause serious injury.
- **DO NOT REACH UNDERNEATH THE SAW** unless it is unplugged and turned off. Contact with saw blade may cause personal injury.
- **SECURE THE MACHINE TO A STABLE SUPPORTING SURFACE.** Vibration can possibly cause the machine to slide, walk, or tip over, causing serious injury.
- **USE ONLY CROSSCUT SAW BLADES** recommended for miter saws. For best results, do not use carbide tipped blades with hook angles in excess of 7 degrees. Do not use blades with deep gullets. These can deflect and contact the guard, and can cause damage to the machine and/or serious injury.
- **USE ONLY BLADES OF THE CORRECT SIZE AND TYPE** specified for this tool to prevent damage to the machine and/or serious injury.
- **INSPECT BLADE FOR CRACKS** or other damage prior to operation. A cracked or damaged blade can come apart and pieces can be thrown at high speeds, causing serious injury. Replace cracked or damaged blades immediately.
- **CLEAN THE BLADE AND BLADE CLAMPS** prior to operation. Cleaning the blade and blade clamps allows you to check for any damage to the blade or blade clamps. A cracked or damaged blade or blade clamp can come apart and pieces can be thrown at high speeds, causing serious injury.
- **DO NOT USE WARPED BLADES.** Check to see if the blade runs true and is free from vibration. A vibrating blade can cause damage to the machine and/or serious injury.
- **DO NOT** use lubricants or cleaners (particularly spray or aerosol) in the vicinity of the plastic guard. The polycarbonate material used in the guard is subject to attack by certain chemicals.
- **KEEP GUARD IN PLACE** and in working order.
- **ALWAYS USE THE KERF PLATE AND REPLACE THIS PLATE WHEN DAMAGED.** Small chip accumulation under the saw may interfere with the saw blade or may cause instability of workpiece when cutting.
- **USE ONLY BLADE CLAMPS SPECIFIED FOR THIS TOOL** to prevent damage to the machine and/or serious injury.
- **CLEAN THE MOTOR AIR SLOTS** of chips and sawdust. Clogged motor air slots can cause the machine to overheat, damaging the machine and possibly causing a short which could cause serious injury.
- **NEVER LOCK THE SWITCH IN THE "ON" POSITION.** Severe personal injury may result.

- **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.

• **ADDITIONAL INFORMATION** regarding the safe and proper operation of power tools (i.e., a safety video) is available from the Power Tool Institute, 1300 Sumner Avenue, Cleveland, OH 44115-2851 ([www.powertoolinstitute.com](http://www.powertoolinstitute.com)). Information is also available from the National Safety Council, 1121 Spring Lake Drive, Itasca, IL 60143-3201. Please refer to the American National Standards Institute ANSI O1.1 Safety Requirements for Woodworking Machines and the U.S. Department of Labor OSHA 1910.213 Regulations.

**⚠WARNING:** Cutting plastics, sap coated wood, and other materials may cause melted material to accumulate on the blade tips and the body of the saw blade, increasing the risk of blade overheating and binding while cutting.

**⚠WARNING:** Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

**⚠WARNING:** ALWAYS use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if cutting operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:

- ANSI Z87.1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.

**⚠WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California 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.

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.

**⚠WARNING:** Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

- The label on your tool may include the following symbols. The symbols and their definitions are as follows:

V.....volts	A.....amperes
Hz.....hertz	W.....watts
min.....minutes	~ or AC.....alternating current
== or DC.....direct current	⎓ or AC/DC.....alternating or direct current
Ⓜ.....Class I Construction (grounded)	n <sub>0</sub> .....no load speed
Ⓜ.....Class II Construction (double insulated)	n.....rated speed
.../min.....per minute	⊕.....earthing terminal
IPM.....impacts per minute	⚠.....safety alert symbol
SPM.....strokes per minute	BPM.....beats per minute
△.....visible radiation	RPM.....revolutions per minute
	sfpm.....surface feet per minute



For your convenience and safety, the following warning labels are on your miter saw.

**ON GUARD:**  
**DANGER—KEEP AWAY FROM BLADE.**

**ON UPPER GUARD:**  
**PROPERLY SECURE BRACKET WITH BOTH SCREWS BEFORE USE.**

**ON TABLE: (2 PLACES)**

**⚠WARNING: TO REDUCE THE RISK OF INJURY, USER MUST READ INSTRUCTION MANUAL BEFORE OPERATING MITER SAW. KEEP HANDS OUT OF PATH OF SAW BLADE. DO NOT OPERATE SAW WITHOUT GUARDS IN PLACE. CHECK LOWER GUARD FOR PROPER CLOSING BEFORE EACH USE. ALWAYS TIGHTEN ADJUSTMENT KNOBS BEFORE USE. DO NOT PERFORM ANY OPERATION FREEHAND. CLAMP SMALL PIECES BEFORE CUTTING. NEVER REACH IN BACK OF SAW BLADE. NEVER CROSS ARMS IN FRONT OF BLADE. TURN OFF TOOL AND WAIT FOR SAW BLADE TO STOP BEFORE MOVING WORKPIECE, CHANGING SETTINGS OR MOVING HANDS. REMOVE BATTERY PACK BEFORE ADJUSTING, CHANGING BLADE OR SERVICING. TO REDUCE THE RISK OF INJURY, RETURN CARRIAGE TO THE FULL REAR POSITION AFTER EACH CROSSCUT OPERATION. THINK! YOU CAN PREVENT ACCIDENTS.**

**ON BASE: (2 PLACES)**



## Accessories

**⚠WARNING:** Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

Recommended accessories for use with your tool are available for purchase from your local dealer or authorized service center. If you need assistance in locating any accessory for your tool, please contact DEWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286, call 1-800-4-DEWALT (1-800-433-9258) or visit our website: [www.dewalt.com](http://www.dewalt.com).

## Optional Accessories

The following accessories, designed for your saw, may be helpful. In some cases, other locally obtained work supports, length stops, clamps, etc., may be more appropriate. Use care in selecting and using accessories.

**SAW BLADES:** ONLY USE 7-1/4" (184 mm) SAW BLADES WITH 5/8" (16 mm) DIAMETER ROUND ARBOR HOLES AND A MAXIMUM KERF OF 2.1 mm. SPEED RATING MUST BE AT LEAST 4000 RPM. DO NOT USE BLADES WITH DIAMOND-SHAPED ARBOR HOLES. Never use a different diameter blade. It will not be guarded properly. Use crosscut blades only! Do not use blades designed for ripping, combination blades or blades with hook angles in excess of 7°.

BLADE DESCRIPTIONS		
APPLICATION	DIAMETER	TEETH
General Purpose	7-1/4" (184 mm)	40
Fine Woodcutting	7-1/4" (184 mm)	60

## Important Safety Instructions for All Battery Packs

When ordering replacement battery packs, be sure to include the catalog number and voltage. Consult the chart at the end of this manual for compatibility of chargers and battery packs.

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below and then follow charging procedures outlined.

### READ ALL INSTRUCTIONS

- **Do not charge or use the battery pack in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery pack from the charger may ignite the dust or fumes.
- **NEVER force the battery pack into the charger. DO NOT modify the battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.** Consult the chart at the end of this manual for compatibility of batteries and chargers.
- Charge the battery packs only in designated DEWALT chargers.
- **DO NOT** splash or immerse in water or other liquids.
- **Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 104 °F (40 °C) (such as outside sheds or metal buildings in summer).** For best life store battery packs in a cool, dry location.

**NOTE: Do not store the battery packs in a tool with the trigger switch locked on. Never tape the trigger switch in the ON position.**

**⚠WARNING:** Fire hazard. Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert into the charger. Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Damaged battery packs should be returned to the service center for recycling.

**⚠WARNING:** Fire hazard. Do not store or carry the battery pack so that metal objects can contact exposed battery terminals. For example, do not place the battery pack in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, etc. **Transporting batteries can possibly cause fires if the battery terminals inadvertently come in contact with conductive materials such as keys, coins, hand tools and the like.** The US Department of Transportation Hazardous Material Regulations (HMR) actually prohibit transporting batteries in commerce or on airplanes (e.g., packed in suitcases and carry-on luggage) UNLESS they are properly protected from short circuits. So when transporting individual battery packs, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

### SPECIFIC SAFETY INSTRUCTIONS FOR LITHIUM ION (Li-Ion)

- **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. Toxic fumes and materials are created when lithium ion battery packs are burned.
- **If battery contents come into contact with the skin, immediately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- **Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persist, seek medical attention.

**⚠WARNING:** Burn hazard. Battery liquid may be flammable if exposed to spark or flame.

### The RBRC™ Seal

The RBRC™ (Rechargeable Battery Recycling Corporation) Seal on the nickel cadmium, nickel metal hydride or lithium ion batteries (or battery packs) indicate that the costs to recycle these batteries (or battery packs) at the end of their useful life have already been paid by DEWALT. In some areas, it is illegal to place



spent nickel cadmium, nickel metal hydride or lithium ion 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 and Canada to facilitate the collection of spent nickel cadmium, nickel metal hydride or lithium ion batteries. Help protect our environment and conserve natural resources by returning the spent nickel cadmium, nickel metal hydride or lithium ion batteries 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.

RBRC™ is a registered trademark of the Rechargeable Battery Recycling Corporation.

### Important Safety Instructions for All Battery Chargers

**SAVE THESE INSTRUCTIONS:** This manual contains important safety and operating instructions for battery chargers.

- Before using the charger, read all instructions and cautionary markings on the charger, battery pack and product using the battery pack.

**⚠ WARNING:** Shock hazard. Do not allow any liquid to get inside the charger. Electric shock may result.

**⚠ CAUTION:** Burn hazard. To reduce the risk of injury, charge only DeWALT rechargeable battery packs. Other types of batteries may overheat and burst resulting in personal injury and property damage.

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

- **DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual.** The charger and battery pack are specifically designed to work together.
- **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.
- **Do not expose the charger to rain or snow.**
- **Pull by the plug rather than the cord when disconnecting the charger.** This will reduce the risk of damage to the electric plug and cord.
- **Make sure that the cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.**
- **Do not use an extension cord unless it is absolutely necessary.** Use of improper extension cord could result in risk of fire, electric shock or electrocution.
- **When operating a charger outdoors, always provide a dry location and use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **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. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The lower the gauge number, the heavier the cord.

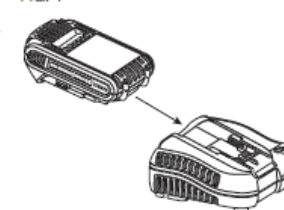
Minimum Gauge for Cord Sets						
Ampere Rating		Volts	Total Length of Cord in Feet (meters)			
		120V	25 (7.6)	50 (15.2)	100 (30.5)	150 (45.7)
		240V	50 (15.2)	100 (30.5)	200 (61.0)	300 (91.4)
More Than	Not More Than	AWG				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

- **Do not place any object on top of the 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. The charger is ventilated through slots in the top and the bottom of the housing.
- **Do not operate the charger with a damaged cord or plug.**
- **Do not operate the 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 the 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.
- **Disconnect the charger from the outlet before attempting any cleaning.** This will reduce the risk of electric shock. Removing the battery pack will not reduce this risk.
- **NEVER attempt to connect 2 chargers together.**
- **The charger is designed to operate on standard 120 V household electrical power. Do not attempt to use it on any other voltage.** This does not apply to the vehicular charger.

### Chargers

Your tool uses a DeWALT charger. Be sure to read all safety instructions before using your charger. Consult the chart at the end of this manual for compatibility of chargers and battery packs.

FIG. 1



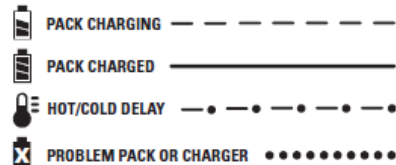
### Charging Procedure (Fig. 1)

1. Plug the charger into an appropriate outlet before inserting the battery pack.
2. Insert the battery pack into the charger, as shown in Figure 1, making sure the pack is fully seated in charger. The red (charging) light will blink continuously, indicating that the charging process has started.
3. 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.

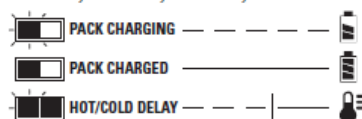


## Indicator Light Operation

DCB101, DCB102, DCB103



DCB107, DCB112, DCB113, DCB115



## Charge Indicators

This charger is designed to detect certain problems that can arise. Problems are indicated by the red light flashing at a fast rate. If this occurs, re-insert the battery pack into the charger. If the problem persists, try a different battery pack to determine if the charger is working properly. If the new pack charges correctly, then the original pack is defective and should be returned to a service center or other collection site for recycling. If the new battery pack elicits the same trouble indication as the original, have the charger and the battery pack tested at an authorized service center.

### HOT/COLD DELAY

DCB101, DCB102, DCB103

These chargers have a hot/cold delay feature. When the charger detects a battery that is too hot or too cold, it automatically starts a delay, suspending charging. The red light flashes long, then short while in the hot/cold delay mode.

Once the battery has reached an optimum temperature, the charger will automatically resume the charging procedure. This feature ensures maximum battery life.

DCB107, DCB112, DCB113, DCB115

These chargers have a hot/cold delay feature. When the charger detects a battery that is too hot or too cold, it automatically starts a delay, suspending charging. The red light will continue to blink, but a yellow indicator light will be illuminated during this suspension.

Once the battery has reached an optimum temperature, the yellow light will turn off and the charger will automatically resume the charging procedure. This feature ensures maximum battery life.

### LEAVING THE BATTERY PACK IN THE CHARGER

The charger and battery pack can be left connected with the charge indicator showing Pack Charged.

**WEAK BATTERY PACKS:** Weak batteries will continue to function but should not be expected to perform as much work.

### FAULTY BATTERY PACKS

DCB101, DCB102, DCB103

These chargers will not charge a faulty battery pack. The charger will indicate faulty battery pack by refusing to light or by displaying problem pack or charger.

**NOTE:** This could also mean a problem with a charger.

DCB107, DCB112, DCB113, DCB115

These chargers will not charge a faulty battery pack. The charger will indicate faulty battery pack by refusing to light.

**NOTE:** This could also mean a problem with a charger.

## Wall Mounting

DCB107, DCB112, DCB113, DCB115

These chargers are designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet. Mount the charger securely using drywall screws at least 1" (25.4 mm) long, screwed into wood to an optimal depth leaving approximately 7/32" (5.5 mm) of the screw exposed.

## Important Charging Notes

1. 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 +104 °F (+40 °C). This is important and will prevent serious damage to the battery pack.
2. The charger and battery pack may become warm to the touch while charging. This is a normal condition, and does not indicate a problem. 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.
3. A cold battery pack will charge at about half the rate of a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery pack warms.
4. If the battery pack does not charge properly:
  - a. Check operation of receptacle by plugging in a lamp or other appliance;
  - b. Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights;
  - c. Move the charger and battery pack to a location where the surrounding air temperature is approximately 65 °F–75 °F (18°–24 °C);
  - d. If charging problems persist, take the tool, battery pack and charger to your local service center.
5. 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 effect on the battery pack.
6. Foreign materials of a conductive nature such as, but not limited to, grinding dust, metal chips, 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 the charger before attempting to clean.
7. Do not freeze or immerse the charger in water or any other liquid.

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

**⚠ WARNING:** Burn hazard. Do not submerge the battery pack in any liquid or allow any liquid to enter the battery pack. 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.

## Storage Recommendations

1. The best storage place is one that is cool and dry, away from direct sunlight and excess heat or cold.
2. For long storage, it is recommended to store a fully charged battery pack in a cool dry place out of the charger for optimal results.

**NOTE:** Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.



## SAVE THESE INSTRUCTIONS FOR FUTURE USE

### Unpacking Your Saw

Check the contents of your miter saw carton to make sure that you have received all parts. In addition to this instruction manual, the carton should contain:

- 1 DCS361 miter saw
- 1 DEWALT 7-1/4" (184 mm) diameter saw blade
- 1 1/4" (6.35 mm) hex and T30 torx blade wrench
- 1 Charger (Kit only)
- 1 Battery (Kit only)
- In bag:
  - 1 Dust bag
  - 1 Material clamp

### INTENDED USE

This heavy duty miter saw is designed for professional wood cutting applications.

**DO NOT** use under wet conditions or in presence of flammable liquids or gases.

This miter saw is a professional power tool. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

### Specifications

#### CAPACITY OF CUT

	Height	Width
0° Miter / 0° Bevel	2" (50.8mm)	8" (209.5 mm)
45° Meter / 0° Bevel	2" (50.8mm)	5.75" (146 mm)
48° Miter / 0° Bevel	2" (50.8mm)	6" (152.4 mm)
45° Bevel - Left / 0° Miter	1.5" (38.1 mm)	8" (203 mm)
Crown Nested	9/16" x 3-5/8" (14.3 x 92 mm)	
Base molding	5/8" x 3-1/2" (15.8 x 89 mm)	

**NOTE:** Your saw is capable of cutting the following once a special setup procedure is followed. Refer to **Special Cuts**.

Limits to Bevel Angle	
Maximum Miter Angle	Max Bevel Angle at Which Cut Can Be Completed
48° Left Side	Left Bevel: 40°
48° Right Side	Left Bevel: 42.5°

Limits to Miter Angle	
AT Maximum Bevel Angle	Max Miter Angle at Which Cut Can Be Completed
48° Left Side	Left Miter: 31.6°
	Right Miter: 35°

### Familiarization (Fig. 2, 3)

Your miter saw is fully assembled in the carton. Open the box and lift the saw out either by using the lifting handle (O) or by the hand indentations (J) in the base of the saw (Fig. 2).

Place the saw on a smooth, flat surface such as a workbench or strong table.

Examine Figure 3 to become familiar with the saw and its various parts. The section on adjustments will refer to these terms and you must know what and where the parts are.

**CAUTION:** Pinch hazard. To reduce the risk of injury, keep thumb underneath the operating handle when pulling the handle down. The lower guard will move up as the operating handle is pulled down, which could cause pinching. The operating handle is placed close to the guard for special cuts.

Press down lightly on the operating handle (B) and pull out the lock down pin (W). Gently release the downward pressure and hold the operating handle, allowing it to rise to its full height. Use the lock down pin when carrying the saw from one place to another. Always use the hand indentations (J) to transport the saw as seen in Figure 3.

### Bench Mounting (Fig. 3)

Holes (C) are provided in all 4 feet to facilitate bench mounting, as shown in Figure 3. (Two different-sized holes are provided to accommodate different sizes of screws. Use either hole, it is not necessary to use both.) Always mount your saw firmly to a stable surface to prevent movement. To enhance the tool's portability, it can be mounted to a piece of 1/2" (12.7 mm) or thicker plywood which can then be clamped to your work support or moved to other job sites and reclamped.

**NOTE:** If you elect to mount your saw to a piece of plywood, make sure that the mounting screws don't protrude from the bottom of the wood. The plywood must sit flush on the work support. When clamping the saw to any work surface, clamp only on the clamping bosses where the mounting screw holes are located. Clamping at any other point will interfere with the proper operation of the saw.

**CAUTION:** To prevent binding and inaccuracy, be sure the mounting surface is not warped or otherwise uneven. If the saw rocks on the surface, place a thin piece of material under one saw foot until the saw sits firmly on the mounting surface.

### IMPORTANT SAFETY INSTRUCTIONS

#### COMPONENTS (Fig. 3)

**WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

- |                       |                       |                                    |
|-----------------------|-----------------------|------------------------------------|
| A. Trigger switch     | I. Miter scale screws | Q. XPS™ worklight momentary switch |
| B. Operating handle   | J. Hand indentations  | R. Lock off lever                  |
| C. Mounting holes     | K. Fence              | S. Rail adjustment screw           |
| D. Lower guard        | L. Bevel lock knob    | T. Rail lock knob                  |
| E. Miter lock knob    | M. Rails              | U. Clamp mounting hole             |
| F. Miter latch button | N. Dust port          | V. Blade wrench                    |
| G. Kerf plate         | O. Lifting handle     | W. Lock down pin                   |
| H. Miter scale        | P. Battery pack       |                                    |

FIG. 2

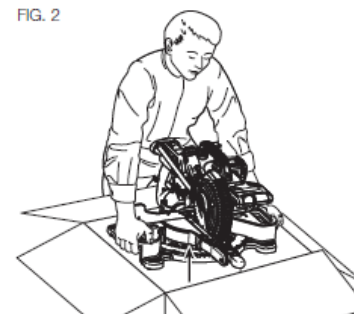
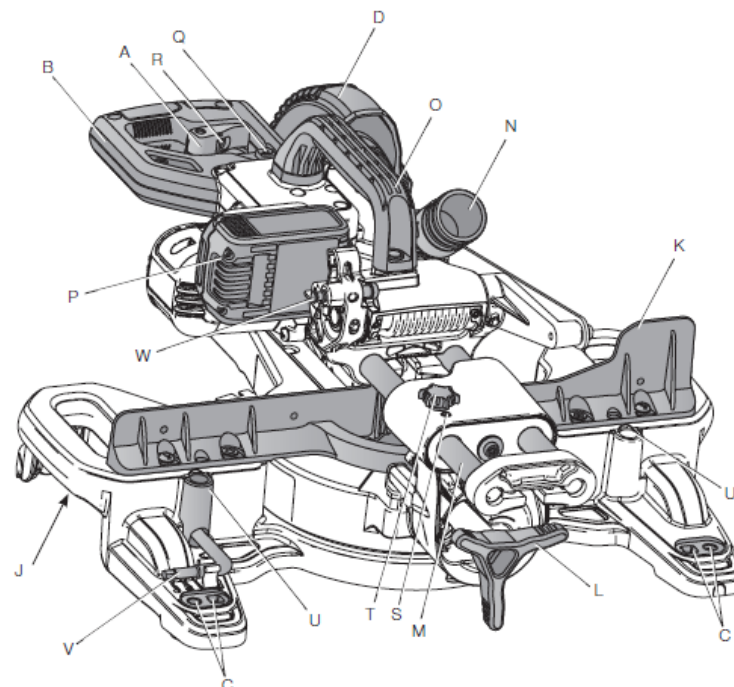
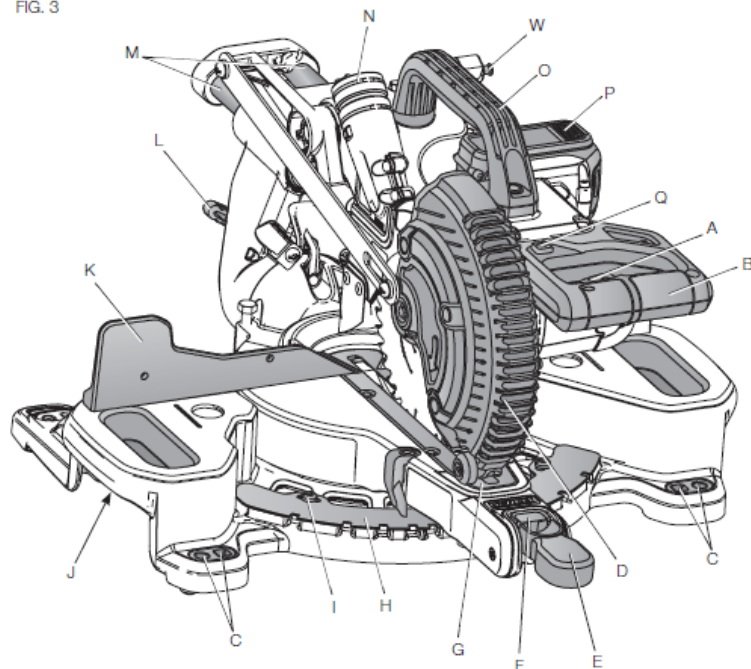


FIG. 3



### Changing or Installing a New Saw Blade (Fig. 4)

Refer to **Saw Blades** under **Optional Accessories** for correct saw blade.

**⚠ WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

#### ⚠ CAUTION:

- Never depress the spindle lock button (AF) while the blade is under power or coasting.
- Do not cut metal, masonry or fiber cement product with this miter saw.

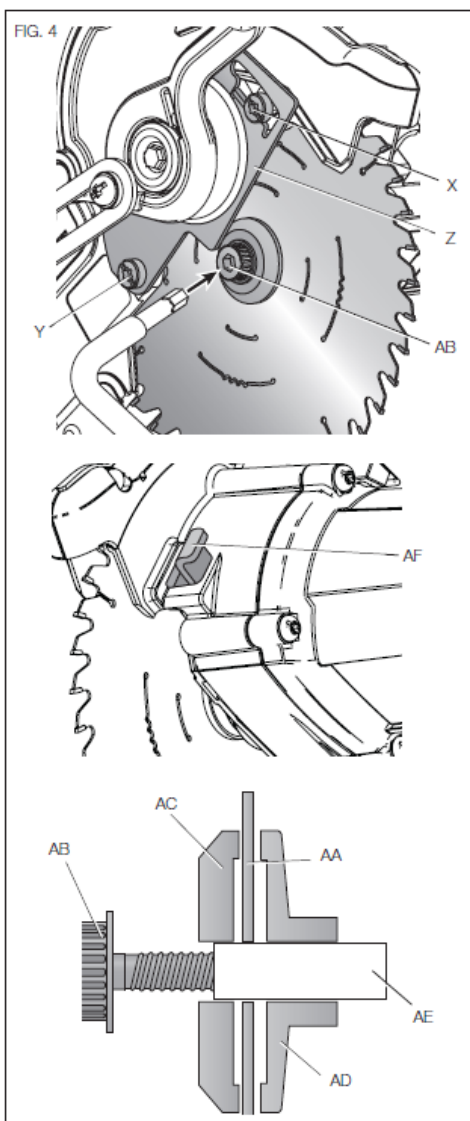
### Removing the Blade (Fig. 3, 4)

1. Remove battery pack (P) from the saw.
2. Raise the arm to the upper position and raise the lower guard (D) as far as possible.
3. Loosen, but do not remove the guard bracket rear screw (Y) by four revolutions.
4. Loosen, but do not remove the guard bracket front screw (X, Fig. 4) until the bracket (Z) can be raised far enough to access the blade screw (AB). Lower guard will remain raised due to the position of the guard bracket screw.

5. Depress the spindle lock button (AF) while carefully rotating the saw blade (AA) by hand until the lock engages.
6. Keeping the button depressed, use the other hand and the 1/4" hex side of the wrench provided (V) to loosen the blade screw (AB). (Turn clockwise, left-hand threads.)
7. Remove the blade screw (AB) using the 1/4" hex side of the wrench provided, the outer clamp washer (AC) and blade (AA). The inner clamp washer (AD) may be left on the spindle (AE).

### Installing a Blade (Fig. 3, 4)

1. Remove battery pack (P) from the saw.
2. With the arm raised, the lower guard (D) held open and the guard bracket (Z) raised, place the blade (AA) on the spindle (AE) and against the inner blade clamp (AD) with the teeth on the blade pointing in the direction of rotation as marked on the saw.
3. Assemble the outer clamp washer (AC) onto the spindle (AE).
4. Install the blade screw (AB) and, engaging the spindle lock (AF), tighten the screw (AB) firmly with wrench (V) provided (turn counterclockwise, left-hand threads).
5. Return the guard bracket (Z) to its original full down position and firmly tighten both guard bracket screws (X, Y) to hold bracket in place.



#### ⚠ **WARNING:**

- The guard bracket must be returned to its original full down position and the guard bracket screws tightened before activating the saw. Failure to do so may prevent the guard from closing or may allow the guard to contact the spinning saw blade resulting in damage to the saw and severe personal injury.

#### **Transporting the Saw (Fig. 3)**

⚠ **WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

⚠ **WARNING:** To reduce the risk of serious personal injury, **ALWAYS** lock the rail lock knob, miter lock handle, bevel lock handle and lock down pin, and remove the battery before transporting saw.

In order to conveniently carry the miter saw from place to place, a lifting handle (O) has been included on the top of the saw arm and hand indentations (J) in the base, as shown in Figure 3. Do not lift or carry by the operating handle (B).

#### **FEATURES AND CONTROLS**

⚠ **WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

#### **Use of XPS™ LED Worklight System (Fig. 3)**

⚠ **CAUTION:** Do not stare into worklight. Serious eye injury could result.

**NOTE:** The battery must be charged and connected to the miter saw.

The XPS™ LED Worklight System can be turned on by the momentary switch (Q). The light will automatically turn off within 20 seconds if the saw is not in use. The light is also activated automatically every time the tool's main trigger (A) is pulled.

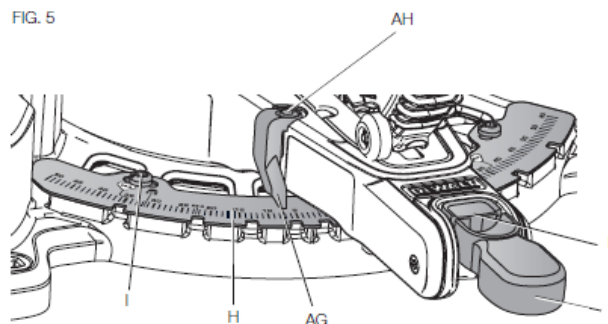
To cut through an existing pencil line on a piece of wood, turn on the XPS™ worklight system using the momentary switch (Q) (not with the main trigger), then pull down on the operating handle (B) to bring the saw blade close to the wood. The shadow of the blade will appear on the wood. This shadow line represents the material that the blade will remove when performing a cut. To correctly locate your cut to the pencil line, align the pencil line with the edge of the blade's shadow. Keep in mind that you may have to adjust the miter or bevel angles in order to match the pencil line exactly.

Your saw is equipped with a battery fault feature. The XPS™ worklight begins to flash when the battery is near the end of its useful charge, or when the battery is too hot. Charge the battery prior to continuing cutting applications. Refer to **Charging Procedure** under **Important Safety Instructions for All Battery Packs** for battery charging instructions.

#### **Miter Control (Fig. 5)**

The miter lock knob (E) and miter latch button (F) allow you to miter your saw to 48° right and 48° left. The miter latch will automatically locate at 10°, 15°, 22.5°, 31.62° and 45° both left and right. To miter the saw, unlock the miter lock mechanism by pulling up on the miter lock knob (E). Push the miter latch button (F) down, and set the miter angle desired on the miter scale (H). Lock the miter lock knob by pushing it down.

FIG. 5





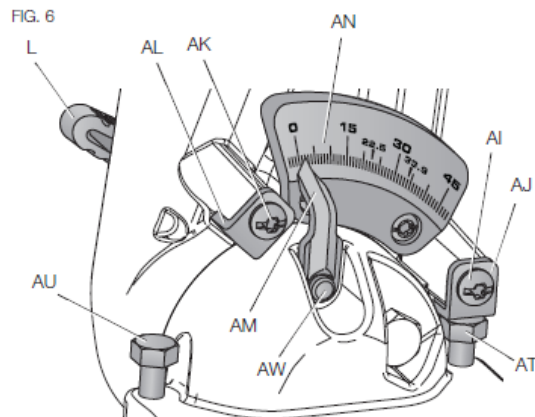
### Bevel Lock Knob (Fig. 3, 6)

The bevel lock allows you to bevel the saw 48° to the left. To adjust the bevel setting, turn the bevel lock knob (L) counterclockwise to loosen. To tighten, turn the bevel lock knob clockwise.

**⚠CAUTION:** Pinch hazard. Be sure to tighten bevel lock knob before adjusting overrides.

### 0° Bevel Stop Override (Fig. 6)

The bevel stop override allows you to bevel the saw up to 3° to the right. Loosen the 0° bevel stop override screw (AI) until the 0° bevel stop override bracket (AJ) can freely rotate. Turn the 0° bevel stop override bracket to allow the saw to rotate past the zero bevel position, then retighten the override screw.



### 45° Bevel Stop Override (Fig. 6)

The bevel stop override allows you to bevel the saw up to 48° to the left. Loosen the 45° bevel stop override screw (AK) until the 45° stop override bracket (AL) can freely rotate. Turn the 45° bevel stop override bracket (AL) to allow the saw to rotate past the 45° bevel position, then retighten the override screw.

### Rail Lock Knob (Fig. 3)

The rail lock knob (T) allows you to lock the saw head firmly to keep it from sliding on the rails. This is necessary when making certain cuts or when transporting the saw.

### Lock Down Pin (Fig. 3)

**⚠WARNING:** The lock down pin should be used **ONLY** when carrying or storing the saw. **NEVER** use the lock down pin for any cutting operation.

To lock the saw head in the down position, push the saw head down, push the lock down pin (W) in and release the saw head. This will hold the saw head safely down for moving the saw from place to place. To release, press the saw head down and pull the pin out.

### OPERATION

**⚠WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

**⚠WARNING:** Always use eye protection. All users and bystanders must wear eye protection that conforms to ANSI Z87.1 (CAN/CSA Z94.3).

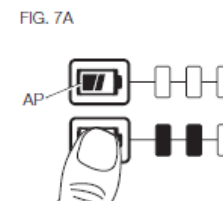
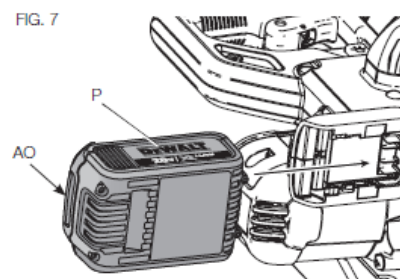
**⚠WARNING:** To ensure the blade path is clear of obstructions, always make a dry run of the cut without power before making any cuts on the workpiece.

### Installing and Removing the Battery Pack (Fig. 7)

**NOTE:** For best results, make sure your battery pack is fully charged.

To install the battery pack (P) into the tool handle, align the battery pack with the rails inside the tool's handle and slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.

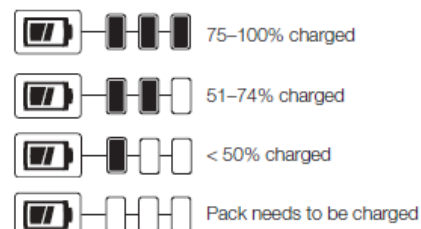
To remove the battery pack from the tool, press the release button (AO) and firmly pull the battery pack out of the tool handle. Insert it into the charger as described in the charger section of this manual.



### FUEL GAUGE BATTERY PACKS (FIG. 7A)

Some DEWALT battery packs include a fuel gauge which consists of three green LED lights that indicate the level of charge remaining in the battery pack.

The fuel gauge is an indication of approximate levels of charge remaining in the battery pack according to the following indicators:



To actuate the fuel gauge, press and hold the fuel gauge button (AP). A combination of the three green LED lights will illuminate designating the level of charge left. When the level of charge in the battery is below the usable limit, the fuel gauge will not illuminate and the battery will need to be recharged.

**NOTE:** The fuel gauge is only an indication of the charge left on the battery pack. It does not indicate tool functionality and is subject to variation based on product components, temperature and end-user application.

For more information regarding fuel gauge battery packs, please call 1-800-4-DEWALT (1-800-433-9258) or visit our website [www.dewalt.com](http://www.dewalt.com).

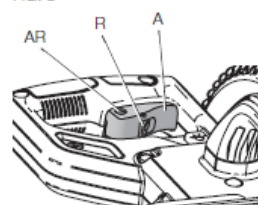
### Trigger Switch (Fig. 8)

To turn the saw on, push the lock-off lever (R) to the left, then depress the trigger switch (A). The saw will run while the switch is depressed. Allow the blade to spin up to full operating speed before making the cut. To turn the saw off, release the switch. Allow the blade to stop before raising the saw head. There is no provision for locking the switch on. A hole (AR) is provided in the trigger for insertion of a padlock to lock the switch off.

Your saw is not equipped with an automatic electric blade brake, but the saw blade should stop within 5 seconds of trigger release. This is not adjustable. If the stop time repeatedly exceeds 5 seconds, have the tool serviced by an authorized DEWALT service center.

Always be sure the blade has stopped before removing it from the kerf.

FIG. 8



### Dust Extraction (Fig. 3, 9)

**⚠ WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

Your saw has a built-in dust port (N) that allows either the supplied dust bag (AQ) or a shop vacuum system to be connected.

#### TO ATTACH THE DUST BAG

1. Fit the dust bag (AQ) to the dust port (N) as shown in Figure 9.

#### TO EMPTY THE DUST BAG

1. Remove dust bag (AQ) from the saw and gently shake or tap the dust bag to empty.
2. Reattach the dust bag back onto the dust port (N).

You may notice that all the dust will not come free from the bag. This will not affect cutting performance but will reduce the saw's dust collection efficiency. To restore your saw's dust collection efficiency, depress the spring inside the dust bag when you are emptying it and tap it on the side of the trash can or dust receptacle.

**⚠ CAUTION:** Never operate this saw unless the dust bag or DEWALT dust extractor is in place. Wood dust may create a breathing hazard.

### Cutting With Your Saw (Fig. 3)

If the slide feature is not used, ensure the saw head is pushed back as far as possible and the rail lock knob (T) is tightened. This will prevent the saw from sliding along its rails as the workpiece is engaged.

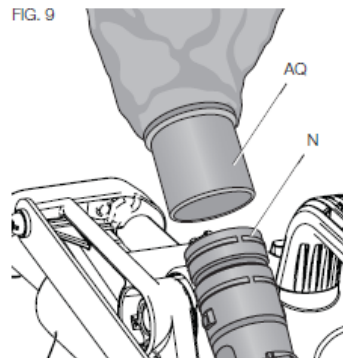
**NOTE: DO NOT CUT METALS OR MASONRY WITH THIS SAW.** Do not use any abrasive blades.

**NOTE:** Refer to **Guard Actuation and Visibility** in the **Adjustments** section for important information about the lower guard before cutting.

#### CROSSCUTS (FIG. 3, 10)

A crosscut is made by cutting wood across the grain at any angle. A straight crosscut is made with the miter arm at the zero degree position. Set and lock the miter arm at zero, hold the

FIG. 9



wood firmly on the table and against the fence. With the rail lock knob (T) tightened, turn on the saw by squeezing the trigger switch (A) shown in Figure 3.

When the saw comes up to speed (about 1 second) lower the arm smoothly and slowly to cut through the wood. Let the blade come to a full stop before raising arm.

When cutting anything larger than a 2 x 4 (51 x 102), use an out-down-back motion with the rail lock knob (T) loosened. Pull the saw out, toward you, lower the saw head down toward the workpiece, and slowly push the saw back to complete the cut. Do not allow the saw blade to contact the top of the workpiece while pulling out. The saw may run toward you, possibly causing personal injury or damage to the workpiece.

**⚠ WARNING:** Always use a work clamp to maintain control and reduce the risk of workpiece damage and personal injury, if your hands are required to be within 6" (152 mm) of the blade during the cut.

**NOTE:** The rail lock knob (T) shown in Figure 3 must be loose to allow the saw to slide along its rails.

Miter crosscuts are made with the miter arm at some angle other than zero. This angle is often 45° for making corners, but can be set anywhere from zero to 48° left or 48° right. Make the cut as described above.

When performing a miter cut on workpieces wider than a 2 x 6 that are shorter in length, always place the longer side against the fence (Fig. 10).

To cut through an existing pencil line on a piece of wood, match the angle as close as possible. Cut the wood a little too long and measure from the pencil line to the cut edge to determine which direction to adjust the miter angle and recut. This will take some practice, but it is a commonly used technique.

#### BEVEL CUTS (FIG. 3)

A bevel cut is a crosscut made with the saw blade leaning at an angle to the wood. In order to set the bevel, loosen the bevel lock knob (L), and move the saw to the left as desired. Once the desired bevel angle has been set, tighten the bevel lock firmly. Refer to the **Features and Controls** section for detailed instructions on the bevel system.

Bevel angles can be set from 3° right to 48° left.

#### QUALITY OF CUT

The smoothness of any cut depends on a number of variables. Things like material being cut, blade type, blade sharpness and rate of cut all contribute to the quality of the cut.

When smoothest cuts are desired for molding and other precision work, a sharp (60 tooth carbide tip) blade and a slower, even cutting rate will produce the desired results.

Ensure that the material does not move or creep while cutting; clamp it securely in place. Always let the blade come to a full stop before raising arm.

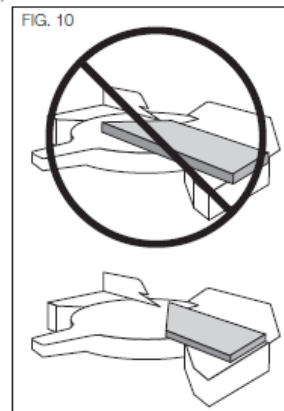
If small fibers of wood still split out at the rear of the workpiece, stick a piece of masking tape on the wood where the cut will be made. Saw through the tape and carefully remove tape when finished.

For varied cutting applications, refer to the list of recommended saw blades for your saw and select the one that best fits your needs. Refer to **Saw Blades** under **Optional Accessories**.

#### BODY AND HAND POSITION (FIG. 11A-11D)

Proper positioning of your body and hands when operating the miter saw will make cutting easier, more accurate and safer. Never place hands near cutting area. Place hands no closer than 6" (152 mm) from the blade. Hold the workpiece tightly to the table and the fence when cutting. Keep hands in position until the trigger has been released and the blade has

FIG. 10





completely stopped. ALWAYS MAKE DRY RUNS (UNPOWERED) BEFORE FINISH CUTS SO THAT YOU CAN CHECK THE PATH OF THE BLADE. DO NOT CROSS HANDS, AS SHOWN IN FIGURE 11C.

Keep both feet firmly on the floor and maintain proper balance. As you move the miter arm left and right, follow it and stand slightly to the side of the saw blade. Sight through the guard louvers when following a pencil line.

FIG. 11A

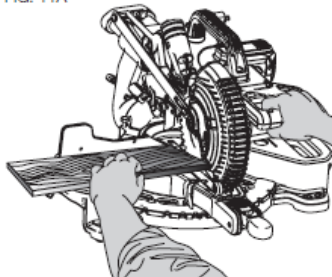


FIG. 11B

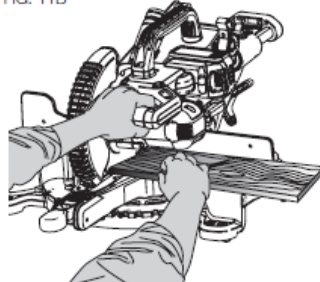


FIG. 11C

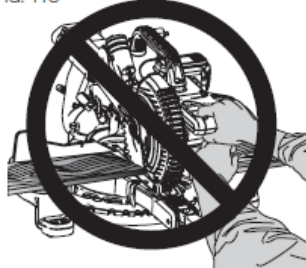


FIG. 11D



#### CLAMPING THE WORKPIECE

**⚠ WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

**⚠ WARNING:** A workpiece that is clamped, balanced and secure before a cut may become unbalanced after a cut is completed. An unbalanced load may tip the saw or anything the saw is attached to, such as a table or workbench. When making a cut that may become unbalanced, properly support the workpiece and ensure the saw is firmly bolted to a stable surface. Personal injury may occur.

**⚠ WARNING:** The clamp foot must remain clamped above the base of the saw whenever the clamp is used. Always clamp the workpiece to the base of the saw – not to any other part of the work area. Ensure the clamp foot is not clamped on the edge of the base of the saw.

**⚠ WARNING:** Always use a work clamp to maintain control and reduce the risk of workpiece damage and personal injury, if your hands are required to be within 6" (152 mm) of the blade during the cut.

If you cannot secure the workpiece on the table and against the fence by hand (irregular shape, etc.), or your hand would be less than 6" (152 mm) from the blade, a clamp or other fixture must be used.

Use the material clamp provided with your saw. To purchase a material clamp, contact your local retailer or DEWALT service center.

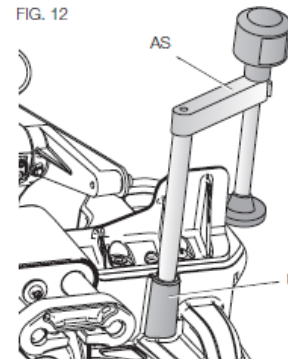
Other aids such as spring clamps, bar clamps or C-clamps may be appropriate for certain sizes and shapes of material. Use care in selecting and placing these clamps. Take time to make a dry run before making the cut.

#### TO INSTALL CLAMP (FIG. 3, 12)

1. Insert the clamp (AS) into the hole (U) behind the fence. The clamp should be facing toward the back of the miter saw. The groove on the clamp rod should be fully inserted into the base. Ensure this groove is fully inserted into the base of the miter saw. If the groove is visible, the clamp will not be secure.
2. Rotate the clamp 180° toward the front of the miter saw.
3. Loosen the knob to adjust the clamp up or down, then use the fine adjust knob to firmly clamp the workpiece.

**NOTE:** Place the clamp on the opposite side of the base when beveling. ALWAYS MAKE DRY RUNS (UNPOWERED) BEFORE FINISH CUTS TO CHECK THE PATH OF THE BLADE. ENSURE THE CLAMP DOES NOT INTERFERE WITH THE ACTION OF THE SAW OR GUARDS.

FIG. 12



#### ADJUSTMENTS

**⚠ WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

Your miter saw is fully and accurately adjusted at the factory at the time of manufacture. If readjustment due to shipping and handling or any other reason is required, follow the instructions below to adjust your saw.

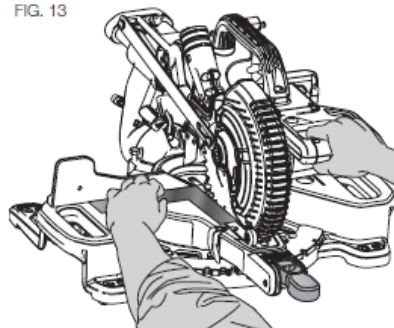
Once made, these adjustments should remain accurate. Take a little time now to follow these directions carefully to maintain the accuracy of which your saw is capable.

#### Miter Scale Adjustment (Fig. 5, 13)

Lock the arm in the down position. Unlock the miter lock knob (E) and swing the miter arm until the miter latch button (F) locks it at the 0° miter position. Do not lock the miter lock knob. Place a square against the saw's fence and blade, as shown. (Do not touch the tips of the blade teeth with the square. To do so will cause an inaccurate measurement.) If the saw blade is not exactly perpendicular to the fence, loosen the three screws (I) that hold the miter scale (H) and move the miter lock handle and the scale left or right until the blade is perpendicular to the fence, as measured with the square. Retighten the three screws. Pay no attention to the reading of the miter pointer at this time.



FIG. 13



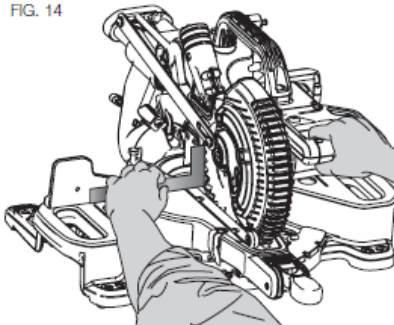
### Miter Pointer Adjustment (Fig. 5)

Unlock the miter lock mechanism by pulling up on the miter lock knob (E). Push the miter latch button (F) down and allow the miter latch to snap into place as you rotate the miter arm to zero. Observe the miter pointer (AG) and miter scale (H) shown in Figure 5. If the pointer does not indicate exactly zero, loosen the miter pointer screw (AH) holding the pointer in place, reposition the pointer and tighten the screw.

### Bevel Square to Table Adjustment (Fig. 3, 6, 14)

To align the blade square to the table, lock the arm in the down position with the lock down pin (W). Place a square against the blade, ensuring the square is not on top of a tooth. Loosen the bevel lock knob (L) and ensure the arm is firmly against the 0° bevel stop. Rotate the 0° bevel adjustment screw (AT) with the 1/2" (12.7 mm) socket (not provided) as necessary so that the blade is at 0° bevel to the table, as measured with the square.

FIG. 14



### Bevel Pointer (Fig. 6)

If the bevel pointer (AM) does not indicate zero, loosen the screw that holds the bevel pointer (AW) in place and move it as necessary. Ensure the 0° bevel is correct and the bevel pointer is set before adjusting any other bevel angle screws.

### Bevel Stop 45° Left Adjustment (Fig. 3, 6)

To adjust the left 45° bevel stop, first loosen the bevel lock knob and tilt the head to the left. If the bevel pointer does not indicate exactly 45°, turn the left 45° bevel adjustment screw (AU) until the bevel pointer reads 45°.

### Guard Actuation and Visibility (Fig. 3, 23)

**⚠ CAUTION:** Pinch hazard. To reduce the risk of injury, keep thumb underneath the operating handle when pulling the handle down. The lower guard will move up as the operating handle is pulled down, which could cause pinching.

The lower guard (D) on your saw has been designed to automatically uncover the blade when the arm is brought down and to cover the blade when the arm is raised.

Before each use or after making adjustments, cycle the arm (unpowered) and make sure the guard opens smoothly and closes fully. It should not contact the blade. With the arm up, raise the guard (unpowered) as shown in Figure 23 and release. The guard should fully close rapidly. Do not operate the saw if the guard does not move freely and fully close rapidly. Never clamp or tie the guard in an open position when operating the saw.

The guard can be raised by hand when installing or removing saw blades or for inspection of the saw. NEVER RAISE THE LOWER GUARD MANUALLY UNLESS THE BLADE IS STOPPED.

**NOTE:** Certain special cuts of large material will require that you manually raise the guard. Refer to **Cutting Large Material** under **Special Cuts**.

The front section of the guard is louvered for visibility while cutting. Although the louvers dramatically reduce flying debris, they are openings in the guard and safety glasses should be worn at all times.

### Rail Guide Adjustment (Fig. 3)

Periodically check the rails (M) for any play or clearance. The rails can be cleaned with a dry clean cloth. The right rail can be adjusted with the set screw (S) shown in Figure 3. To reduce clearance, use a 4 mm hex wrench and rotate the set screw clockwise gradually while sliding the saw head back and forth. Reduce play while maintaining minimum slide force.

### Support for Long Pieces

**⚠ WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

ALWAYS SUPPORT LONG PIECES.

Never use another person as a substitute for a table extension, as additional support for a workpiece that is longer or wider than the basic miter saw table or to help feed, support or pull the workpiece.

Support long workpieces using any convenient means such as sawhorses or similar devices to keep the ends from dropping.

### Cutting Picture Frames, Shadow Boxes And Other Four-Sided Projects (Fig. 15, 16)

To best understand how to make the items listed here, we suggest that you try a few simple projects using scrap wood until you develop a "feel" for your saw.

FIG. 15

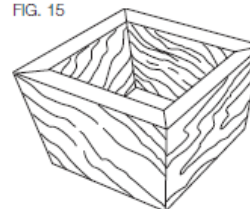
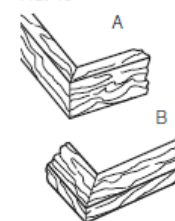


FIG. 16



Your saw is the perfect tool for mitering corners like the one shown in Figure 15. Sketch A in Figure 16 shows a joint made by using the bevel adjustment to bevel the edges of the two boards at 45° each to produce a 90° corner. For this joint the miter arm was locked in the zero position and the bevel adjustment was locked at 45°. The wood was positioned with the broad flat side against the table and the narrow edge against the fence. The cut could also be made by mitering right and left with the broad surface against the fence.

### Cutting Trim Molding and Other Frames (Fig. 16)

Sketch B in Figure 16 shows a joint made by setting the miter arm at 45° to miter the two boards to form a 90° corner. To make this type of joint, set the bevel adjustment to zero and the miter arm to 45°. Once again, position the wood with the broad flat side on the table and the narrow edge against the fence.

Figures 15 and 16 are for four-sided objects only.

As the number of sides changes, so do the miter and bevel angles. The chart below gives the proper angles for a variety of shapes.

#### – EXAMPLES –

NUMBER OF SIDES	MITER OR BEVEL ANGLE
4	45°
5	36°
6	30°
7	25.7°
8	22.5°
9	20°
10	18°

The chart assumes that all sides are of equal length. For a shape that is not shown in the chart, use the following formula: 180° divided by the number of sides equals the miter (if the material is cut vertically) or bevel angle (if the material is cut laying flat).

### Cutting Compound Miters (Fig. 17)

A compound miter is a cut made using a miter angle and a bevel angle at the same time. This is the type of cut used to make frames or boxes with slanting sides like the one shown in Figure 17.

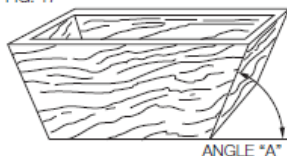
**NOTE:** If the cutting angle varies from cut to cut, check that the bevel lock knob and the miter lock handle are securely locked. These must be locked after making any changes in bevel or miter.

The chart at the end of this manual (Table 1) will assist you in selecting the proper bevel and miter settings for common compound miter cuts. To use the chart, select the desired angle A (Fig. 17) of your project and locate that angle on the appropriate arc in the chart. From that point follow the chart straight down to find the correct bevel angle and straight across to find the correct miter angle.

Set your saw to the prescribed angles and make a few trial cuts. Practice fitting the cut pieces together until you develop a feel for this procedure and feel comfortable with it.

**Example:** To make a 4-sided box with 26° exterior angles (Angle A, Fig. 17), use the upper right arc. Find 26° on the arc scale. Follow the horizontal intersecting line to either side to get miter angle setting on saw (42°). Likewise, follow the vertical intersecting line to the top or bottom to get the bevel angle setting on the saw (18°). Always try cuts on a few scrap pieces of wood to verify the settings on the saw.

FIG. 17



### Cutting Base Molding (Fig. 18)

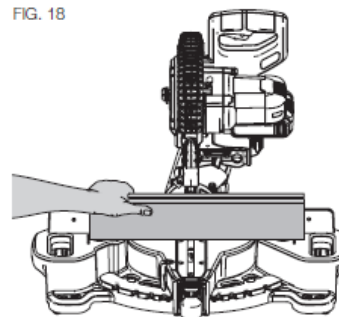
Straight 90° cuts:

Position the wood against the fence and hold it in place as shown in Figure 18. Turn on the saw, allow the blade to reach full speed and lower the arm smoothly through the cut.

### CUTTING BASE MOLDING UP TO 3.5" (89 mm) HIGH VERTICALLY AGAINST THE FENCE

Position material as shown in Figure 18.

FIG. 18



All cuts should be made with the back of the molding against the fence and with the bottom of the molding against the table.

	INSIDE CORNER	OUTSIDE CORNER
Left side	Miter left 45° Save left side of cut	Miter right 45° Save left side of cut
Right side	Miter right 45° Save right side of cut	Miter left 45° Save right side of cut

Material up to 3.5" (89 mm) can be cut as described above.

### CUTTING CROWN MOLDING

In order to fit properly, crown molding must be compound mitered with extreme accuracy. The two flat surfaces on a given piece of crown molding are at angles that, when added together, equal exactly 90°. Most, but not all, crown molding has a top rear angle (the section that fits flat against the ceiling) of 52° and a bottom rear angle (the part that fits flat against the wall) of 38°.

Your miter saw has special pre-set miter detent points at 31.6° left and right for cutting crown molding at the proper angle. There is also a mark on the bevel scale at 33.8°.

The **Bevel Setting/Type of Cut** chart gives the proper settings for cutting crown molding. (The numbers for the miter and bevel settings are very precise and are not easy to accurately set on your saw.) Since most rooms do not have angles of precisely 90°, you will have to fine tune your settings anyway.

#### PRETESTING WITH SCRAP MATERIAL IS EXTREMELY IMPORTANT!

#### INSTRUCTIONS FOR CUTTING CROWN MOLDING LAYING FLAT AND USING THE COMPOUND FEATURES

1. Lay the molding with broad back surface down flat on saw table (Fig. 19).
2. The settings below are for all Standard (U.S.) crown molding with 52° and 38° angles.

BEVEL SETTING	TYPE OF CUT
33.8°	LEFT SIDE, INSIDE CORNER: 1. Top of molding against fence 2. Miter table set right 31.62° 3. Save left end of cut
	RIGHT SIDE, INSIDE CORNER: 1. Bottom of molding against fence 2. Miter table set left 31.62° 3. Save left end of cut
	LEFT SIDE, OUTSIDE CORNER: 1. Bottom of molding against fence 2. Miter table set left 31.62° 3. Save right end of cut
33.8°	RIGHT SIDE, OUTSIDE CORNER: 1. Top of molding against fence 2. Miter table set right 31.62° 3. Save right end of cut

**NOTE:** When setting bevel and miter angles for all compound miters, remember that the angles presented for crown moldings are very precise and difficult to set exactly. Since they can easily shift slightly and very few rooms have exactly square corners, **all settings should be tested on scrap molding.**

FIG. 19

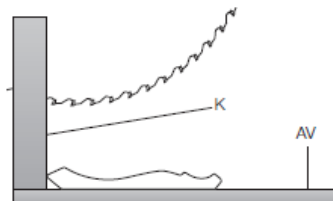
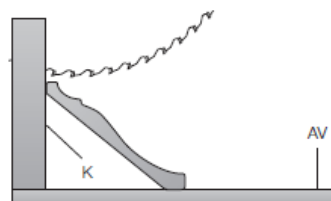


FIG. 20



**PRETESTING WITH SCRAP MATERIAL IS EXTREMELY IMPORTANT!**

#### ALTERNATIVE METHOD FOR CUTTING CROWN MOLDING

Place the molding at an angle between the fence (K) and the saw table (AV), with the top side of the molding on the table and the bottom side of the molding on the fence as shown in Figure 20.

The advantage to cutting crown molding using this method is that no bevel cut is required. Minute changes in the miter angle can be made without affecting the bevel angle. This way, when corners other than 90° are encountered, the saw can be quickly and easily adjusted for them.

#### INSTRUCTIONS FOR CUTTING CROWN MOLDING ANGLED BETWEEN THE FENCE AND BASE OF THE SAW FOR ALL CUTS

This saw can cut up to 9/16" (14 mm) x 3-5/8" (92 mm) crown molding nested.

1. Angle the molding so the bottom of the molding (part which goes against the wall when installed) is against the fence (K) and the top of the molding is resting on the saw table (AV), as shown in Figure 19.
2. The angled "flats" on the back of the molding must rest squarely on the fence and saw table.

	INSIDE CORNER	OUTSIDE CORNER
Left side	Miter right at 45° Save right side of cut	Miter left at 45° Save right side of cut
Right side	Miter left at 45° Save left side of cut	Miter right at 45° Save left side of cut

#### Special Cuts

**NEVER MAKE ANY CUT UNLESS THE MATERIAL IS SECURED ON THE TABLE AND AGAINST THE FENCE.**

#### BOWED MATERIAL (FIG. 21, 22)

When cutting bowed material always position it as shown in Figure 21 and never like that shown in Figure 22. Positioning the material incorrectly will cause it to pinch the blade near the completion of the cut.

FIG. 21

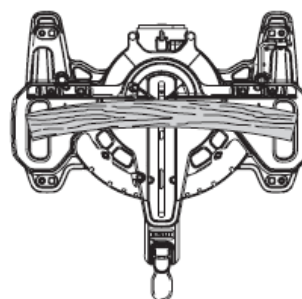
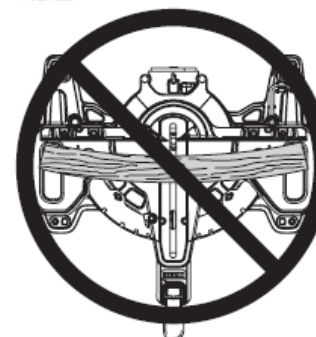


FIG. 22



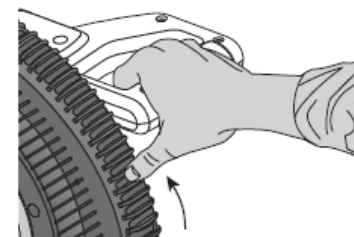
#### CUTTING ROUND MATERIAL

ROUNDED MATERIAL SHOULD BE CLAMPED OR HELD FIRMLY TO THE FENCE TO KEEP IT FROM ROLLING. This is extremely important when making angle cuts.

#### CUTTING LARGE MATERIAL (FIG. 23)

Occasionally you will encounter a piece of wood a little too large to fit beneath the lower guard. To clear the guard over the wood, with the saw off and your right hand on the operating handle, place your right thumb outside of the upper portion of the guard and roll the guard up just enough to clear the wood, as shown in Figure 23. Release the guard prior to starting the motor. The guard mechanism will function properly during the cut. Only do this when necessary. **NEVER TIE, TAPE, OR OTHERWISE HOLD THE GUARD OPEN WHEN OPERATING THIS SAW.**

FIG. 23





## MAINTENANCE

**⚠ WARNING:** To reduce the risk of serious personal injury, turn tool off and remove the battery pack before transporting, making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

**⚠ WARNING:** To reduce the risk of serious personal injury, DO NOT touch the sharp points on the blade with fingers or hands while performing any maintenance.

DO NOT use lubricants or cleaners (particularly spray or aerosol) in the vicinity of the plastic guard. The polycarbonate material used in the guard is subject to attack by certain chemicals.

- All bearings are sealed. They are lubricated for life and need no further maintenance.
- Periodically clean all dust and wood chips from around AND UNDER the base and the rotary table. Even though slots are provided to allow debris to pass through, some dust will accumulate.
- The brushes are designed to give you several years of use. If they ever need replacement, return the tool to the nearest service center for repair.

## Cleaning

**⚠ WARNING:** Blow dirt and dust out of all air vents and guard mechanisms (if applicable) with clean, dry air at least once a week. To minimize the risk of eye injury, always wear ANSI Z87.1 approved eye protection when performing this.

**⚠ WARNING:** Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

## CHARGER CLEANING INSTRUCTIONS

**⚠ WARNING:** Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.

## DUST DUCT CLEANING

Depending on your cutting environment, saw dust can clog the dust duct and may prevent dust from flowing away from the cutting area properly. With the battery pack removed and the saw head raised fully, low pressure air or a large diameter dowel rod can be used to clear the dust out of the dust duct.

## Accessories

**⚠ WARNING:** Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

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, please contact DEWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286, call 1-800-4-DEWALT (1-800-433-9258) or visit our website: [www.dewalt.com](http://www.dewalt.com).

## Repairs

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by a DEWALT factory service center, a DEWALT authorized service center or other qualified service personnel. Always use identical replacement parts.

## Register Online

Thank you for your purchase. Register your product now for:

- **WARRANTY SERVICE:** Registering your product will help you obtain more efficient warranty service in case there is a problem with your product.

- **CONFIRMATION OF OWNERSHIP:** In case of an insurance loss, such as fire, flood or theft, your registration of ownership will serve as your proof of purchase.
- **FOR YOUR SAFETY:** Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.

Register online at [www.dewalt.com/register](http://www.dewalt.com/register).

## Three Year Limited Warranty

DEWALT will repair, without charge, any defects due to faulty materials or workmanship for three years from the date of purchase. This warranty does not cover part failure due to normal wear or tool abuse. For further detail of warranty coverage and warranty repair information, visit [www.dewalt.com](http://www.dewalt.com) or call 1-800-4-DEWALT (1-800-433-9258). 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:

### 1 YEAR FREE SERVICE

DEWALT will maintain the tool and replace worn parts caused by normal use, for free, any time during the first year after purchase.

### 2 YEARS FREE SERVICE ON DEWALT BATTERY PACKS

DC9071, DC9091, DC9096, DC9280, DC9360, DC9180, DCB120, DCB127, DCB201, DCB203, DCB203BT, DCB207

### 3 YEARS FREE SERVICE ON DEWALT BATTERY PACKS

DCB200, DCB204, DCB204BT, DCB205

### DEWALT BATTERY PACKS

Product warranty voided if the battery pack is tampered with in any way. DEWALT is not responsible for any injury caused by tampering and may prosecute warranty fraud to the fullest extent permitted by law.

### 90 DAY MONEY BACK GUARANTEE

If you are not completely satisfied with the performance of your DEWALT Power Tool, Laser, or Nailers for any reason, you can return it within 90 days from the date of purchase with a receipt for a full refund – no questions asked.

**LATIN AMERICA:** This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country specific warranty information contained in the packaging, call the local company or see website for warranty information.

**FREE WARNING LABEL REPLACEMENT:** If your warning labels become illegible or are missing, call 1-800-4-DEWALT (1-800-433-9258) for a free replacement.



## Troubleshooting Guide

BE SURE TO FOLLOW SAFETY RULES AND INSTRUCTIONS

TROUBLE!	WHAT'S WRONG?	WHAT TO DO
<b>Saw will not start</b>	1. Battery not installed	1. Install battery. Refer to <b>Installing and Removing Battery Pack</b> .
	2. Battery not charged	2. Charge battery. Refer to <b>Charging Procedure</b> .
	3. Brushes worn out	3. Have brushes replaced by authorized service center.
<b>Saw makes unsatisfactory cuts</b>	1. Dull blade	1. Replace blade. Refer to <b>Changing or Installing a New Saw Blade</b> .
	2. Blade mounted backwards	2. Turn blade around. Refer to <b>Changing or Installing a New Saw Blade</b> .
	3. Gum or pitch on blade	3. Remove blade and clean with coarse steel wool and turpentine or household oven cleaner.
	4. Incorrect blade for work being done	4. Change the blade type. Refer to <b>Saw Blades</b> under <b>Optional Accessories</b> .
<b>XPS™ worklight is flashing</b>	1. Battery not charged	1. Charge battery. Refer to <b>Charging Procedure</b> .
<b>Machine vibrates excessively</b>	1. Saw not mounted securely to stand or work bench	1. Tighten all mounting hardware. Refer to <b>Bench Mounting</b> .
	2. Stand or bench on uneven floor	2. Reposition on flat level surface. Refer to <b>Familiarization</b> .
	3. Damaged saw blade	3. Replace blade. Refer to <b>Changing or Installing a New Saw Blade</b> .
<b>Does not make accurate miter cuts</b>	1. Miter scale not adjusted correctly	1. Check and adjust. Refer to <b>Miter Scale Adjustment</b> under <b>Adjustments</b> .
	2. Blade is not square to fence	2. Check and adjust. Refer to <b>Miter Scale Adjustment</b> under <b>Adjustments</b> .
	3. Blade is not perpendicular to table	3. Check and adjust fence. Refer to <b>Bevel Square to Table Adjustment</b> under <b>Adjustments</b> .
	4. Workpiece moving	4. Clamp workpiece securely to fence or glue 120 grit sandpaper to fence with rubber cement.
	5. Kerf plate worn or damaged	5. Take to authorized service center.
<b>Material pinches blade</b>	1. Cutting bowed material	1. Refer to <b>Bowed Material</b> under <b>Special Cuts</b> .

