

INSTRUCTION MANUAL

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**DEWALT**®

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**DC900-XE**

HEAVY-DUTY 36V CORDLESS HAMMERDRILL



### **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**.

**CAUTION:** Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **may** result in **property damage**.

IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS OR ANY DEWALT TOOL, CALL US AT: **1800 654 155 (Aust)** or **09 526 2556 (NZ)**.

### **GENERAL SAFETY INSTRUCTIONS**

**▲WARNING! Read all instructions.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

### **SAVE THESE INSTRUCTIONS**

#### **1. WORK AREA**

- a. **Keep work area clean and well lit.** Cluttered and 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.

#### **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 safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. **Avoid accidental starting. Ensure the switch is in the off-position before plugging in.** Carrying power tools with your finger on the switch or plugging in 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 jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery 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 these devices can reduce dust-related hazards.

#### 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 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 tools 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.

#### 5) BATTERY TOOL USE AND CARE

- a. **Ensure the switch is in the off position before inserting battery pack.** Inserting the battery pack into power tools that have the switch on invites accidents.

- b. **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.
- c. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- d. **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.
- e. **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.

#### 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.

#### *Additional Safety Instructions For Australia And New Zealand*

- a. **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with this appliance.
- b. **Replacement of the supply cord.** If the supply cord is damaged, it must be replaced by the manufacturer or an authorised DeWALT Service Centre in order to avoid a hazard.

#### *Specific Safety Rules for Hammerdrills*

- **Hold tool by insulated gripping surfaces when performing an operation where the tool may contact hidden wiring or its own cord.** Contact with a "live" wire will also make exposed metal parts of the tool "live" and shock the operator.
- **Wear ear protectors with impact drills.** Exposure to noise can cause hearing loss.
- **Use auxiliary handles supplied with the tool.** Loss of control can cause personal injury.

- **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 loss of control.
- **Wear ear protectors when hammering for extended periods of time.** Prolonged exposure to high intensity noise can cause hearing loss. Temporary hearing loss or serious ear drum damage may result from high sound levels generated by hammerdrilling.
- **Wear safety goggles or other eye protection.** Hammering and drilling operations cause chips to fly. Flying particles can cause permanent eye damage.
- **Always use the side handle supplied with the tool.** Keep a firm grip on the tool at all times. Do not attempt to operate this tool without holding it with both hands.
- **Hammer bits and tools get hot during operation.** Wear gloves when touching them.

**⚠ 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 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.

**⚠ WARNING:** Use of this tool can generate and/or disburse 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.

**⚠ CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard.** Some tools with large battery packs will stand upright on the battery pack 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.

- 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	~ .....	alternating current
==== .....	direct current	n <sub>0</sub> .....	no load speed
Ⓛ .....	Class I Construction (grounded)	⊕ .....	earthing terminal
Ⓜ .....	Class II Construction (double insulated)	⚠ .....	safety alert symbol
		.../min.....	revolutions per minute
		BPM .....	beats per minute

### **Important Safety Instructions for Battery Chargers**

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

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

**⚠ WARNING:** Shock hazard. Do not allow any liquid to get inside charger.

**⚠ CAUTION:** Burn hazard. To reduce the risk of injury, charge only DEWALT batteries. Other types of batteries may burst causing personal injury and damage.

**⚠ CAUTION:** Under certain conditions, with the charger plugged in to the power supply, 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.

- **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 charger to rain or snow.**
- **Pull by plug rather than cord when disconnecting charger.** This will reduce risk of damage to electric plug and cord.
- **Make sure that 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.
- **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.

**MINIMUM GAGE FOR CORD SETS**

**For Cable length (m):** 7.5    15    25    30    45    60

**Use Cable with minimum rating (Amperes)**

**Tool Amperes**

0 - 3.4	7.5	7.5	7.5	7.5	7.5	7.5
3.5 - 5.0	7.5	7.5	7.5	7.5	10	15
5.1 - 7.0	10	10	10	10	15	15
7.1 - 12.0	15	15	15	15	20	20
12.1 - 20.0	20	20	20	20	25	–

- **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. The charger is ventilated through slots in the top and the bottom of the housing.
- **Do not mount charger on wall or permanently affix charger to any surface.** The charger is intended to use on a flat, stable surface (i.e., table top, bench top).

- **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.
- **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 household electrical power. Do not attempt to use it on any other voltage.**

## **SAVE THESE INSTRUCTIONS**

### **Introduction**

The DC9000-XE charger is designed to charge DeWALT battery packs in approximately 1 hour. This charger requires no adjustment and is designed to be as easy as possible to operate. Simply place your battery pack into the receptacle of a plugged in charger and it will automatically charge the pack.

### **Important Safety Instruction for Battery Packs**

**⚠ WARNING:** For safe operation, read this manual and manuals originally supplied with tool before using the charger.

When ordering replacement battery packs, be sure to include catalog number and voltage. Consult the chart on the last page 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. Then follow charging procedures outlined.

## **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. Toxic fumes and materials are created when lithium ion battery packs are burned.
- **Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery from the charger may ignite the dust or fumes.
- **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 persists, seek medical attention.

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

- Charge the battery packs only in 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 40 °C (105°F) (such as outside sheds or metal buildings in summer).**

**⚠ WARNING:** Never attempt to open the battery pack for any reason. If battery pack case is cracked or damaged, do not insert into charger. Do not crush, drop or damage 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 (i.e., pierced with a nail, hit with a hammer, stepped on). Damaged battery packs should be returned to service center for recycling.

**⚠ WARNING: Fire hazard. Do not store or carry battery so that metal objects can contact exposed battery terminals.** For example, do not place battery 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 (i.e., packed in suitcases and carry-on luggage) UNLESS they are properly protected from short circuits. So when transporting individual batteries, make sure

that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

### **The RBRC™ Seal**

The RBRC™ (Rechargeable Battery Recycling Corporation) Seal on the lithium ion 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.



RBRC™ in cooperation with DEWALT and other battery users, has established programs in the United States to facilitate the collection of spent lithium ion batteries. Help protect our environment and conserve natural resources by returning the spent lithium ion 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.

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

### **Storage Recommendations**





1. The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold.
2. Long storage will not harm the battery pack or charger. Under proper conditions, they can be stored for 5 years or more.

### **Charger**

Your battery pack requires a 1 hour DEWALT charger. Be sure to read all safety instructions before using your charger. Consult the chart on the back of this manual for compatibility of chargers and battery packs.

### **Charging Procedure**

1. Plug the charger into an appropriate outlet before inserting the battery pack.
2. Insert the battery pack into the charger. The charger is equipped with a three-light fuel gauge that will blink according to the state of charge of the battery pack.
3. The completion of charge is indicated by the three red lights remaining ON continuously. The pack is fully charged and may be used at this time or left on the charger.

	0% - 33%	1 <sup>st</sup> light blinks
	33% - 66%	1 <sup>st</sup> light on, 2 <sup>nd</sup> light blinks
	66% - 99%	1 <sup>st</sup> , 2 <sup>nd</sup> lights on, 3 <sup>rd</sup> light blinks
	100%	1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> lights on

### Charger Diagnostics

This charger is designed to detect certain problems that can arise with the battery packs or the charger. Problems are indicated by the three red lights flashing together in different patterns.

#### PROBLEM POWERLINE

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. The three red lights will flash together with **two fast blinks followed by a pause**. This indicates that the power source is out of limits.

#### BAD BATTERY

The charger can detect a weak or damaged battery. The three red lights will flash together with **rapid blinking**. The battery will no longer charge and should be returned to a service center or a collection site for recycling.

#### BAD CHARGER

The charger will detect if it is not functioning properly. The three red lights will flash together with **one fast blink followed by a long blink**. The charger will no longer work and should be returned to an authorized service center or replaced.

#### LEAVING THE BATTERY IN THE CHARGER

The charger and battery pack can be left connected with the red lights glowing indefinitely. The charger will keep the battery pack fresh and fully charged. This charger features an automatic tune-up mode which equals or balances the individual cells in the battery pack to allow it to function at peak capacity. Battery packs should

be tuned up weekly or whenever the battery no longer delivers the same amount of work. To use the automatic tune-up mode, place the battery pack in the charger and leave it for at least 8 hours.

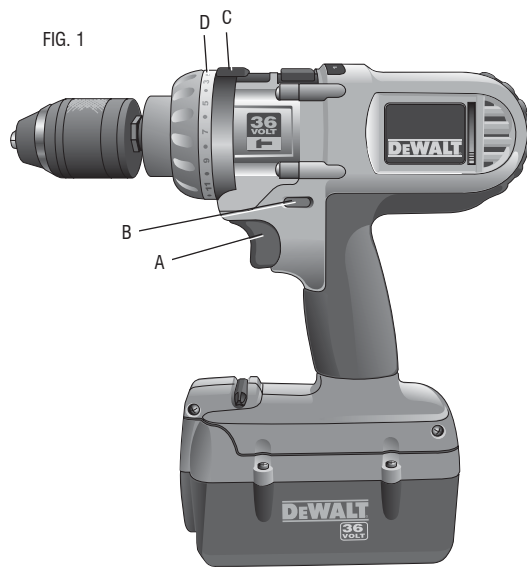
### Important Charging Notes

- Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 18°- 24°C (65°F and 75°F). DO NOT charge the battery pack in an air temperature below +4.5°C (+40°F), or above +40.5°C (+105°F). 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. 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.
- If the battery pack does not charge properly:
  - Check current at receptacle by plugging in a lamp or other appliance
  - Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights.
  - Move charger and battery pack to a location where the surrounding air temperature is approximately 18°- 24°C (65°F - 75°F).
  - If charging problems persist, take 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.
- 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.
- Do not freeze or immerse charger in water or any other liquid.

**⚠WARNING:** Shock hazard. Do not allow any liquid to get inside charger.

**⚠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.



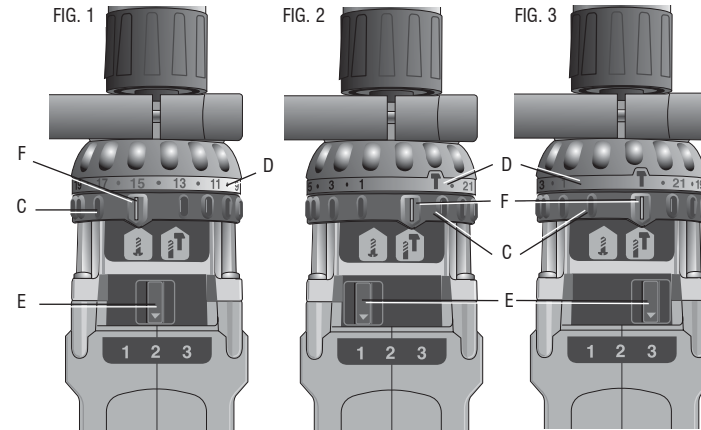


## KEY FEATURES AND FUNCTIONS

### Variable Speed Switch (Fig. 1)

To turn the tool on, squeeze the trigger switch (A). To turn the tool off, release the trigger switch. Your tool is equipped with a brake. The chuck will stop as soon as the trigger switch is fully released.

**NOTE:** Continuous use in variable speed range is not recommended. It may damage the switch and should be avoided.



### Forward/Reverse Control Button (Fig. 1)

A forward/reverse control button (B) determines the direction the tool will spin and also serves as a lock-off button.

**To select forward rotation,** release the trigger switch and depress the forward/reverse control button on the right side of the tool.

**To select reverse,** depress the forward/reverse control button on the left side of the tool.

**The center position of the control button locks the tool in the off position.** When changing the position of the control button, be sure the trigger is released.

**NOTE:** The first time the tool is run after changing the direction of rotation, you may hear a click on start up. This is normal and does not indicate a problem.

### Mode Control Collar

Your drill is equipped with a separate mode control collar (Fig. 1, C) to switch between drilling and screwdriving.

### SCREWDRIVING (FIG. 2)

1. Select the desired speed/torque range using the three-speed gear shifter (E) on the top of tool to match the speed and torque to the planned application. To set the torque level to the proper setting on the clutch collar, initially set the clutch collar at a lower setting to ensure the fastener to be set to your specification.  
Note: Use the lowest torque setting required to seat the fastener at the desired depth. The lower the number, the lower the torque output.
2. Rotate the mode control collar (C) so the line on the lever (F) is aligned with the screw symbol.
3. Set the torque adjustment collar (D) to the appropriate number setting for the torque desired.

**NOTE:** The torque adjustment collar may be set on any number and change between screwdriving and drilling modes using the mode control collar.

### DRILLING (FIG. 3)

**▲ CAUTION:** When the mode collar is in the drill/hammerdrill mode, the drill will not clutch out regardless of the position of the torque adjustment collar (D). Rotate the mode control collar (C) so that the line on the lever (F) is aligned with the drill symbol.

**NOTE:** The torque adjustment collar (D) may be set on any number.

### HAMMERDRILLING (FIG. 4)

Rotate the mode control collar (C) to align the line on the lever (F) with the hammerdrill symbol and turn the torque adjustment collar (D) to align the hammer symbol with the line (F).

### Torque Adjustment Collar (Fig. 2)

Your tool has an adjustable torque screwdriver mechanism for driving and removing a wide array of fastener shapes and sizes and a hammer mechanism for drilling into masonry. Circling the torque adjustment collar (D) are numbers and a hammer symbol. These numbers are used to set the clutch to deliver a torque range. The higher the number on the collar, the higher the torque and the larger the fastener which can be driven. To select any of the numbers, rotate until the desired number aligns with the arrow.

### Three-Speed Gearing (Fig. 2)

The three-speed feature of your tool allows you to shift gears for greater versatility. To select speed 1 (highest torque setting), turn the tool off and permit it to stop. Slide the gear shifter (E) all the way to the left. Speed 2 (middle torque and speed setting) is in the middle position. Speed 3 (highest speed setting) is to the right.

**NOTE:** Do not change gears when the tool is running. Always allow the drill to come to a complete stop before changing gears. If you have trouble changing gears, make sure that the gear shifter is engaged in one of the three speed settings.

### Self-Tightening Chuck Operation (Fig. 5-7)

**▲ WARNING:** Do not attempt to tighten drill bits (or any other accessory) by gripping the front part of the chuck and turning the tool on. Damage to the chuck and personal injury may result. Always lock off trigger switch when changing accessories.

**▲ WARNING:** Always ensure the bit is secure before starting the tool. A loose bit may eject from tool causing possible personal injury.

### TO INSERT A DRILL BIT OR OTHER ACCESSORY

1. Lock the trigger in the OFF position.
2. Grasp the chuck sleeve (G) with one hand and use the other hand to secure the tool as shown in Figure 5. Rotate the sleeve counterclockwise (viewed from the front) far enough to accept the desired accessory.
3. Insert the bit or other accessory about 19 mm (3/4") into the chuck, as shown in Figure 6. Grasp the chuck sleeve securely and rotate the sleeve clockwise (viewed from the front) with one hand

FIG. 5

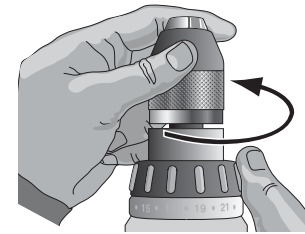
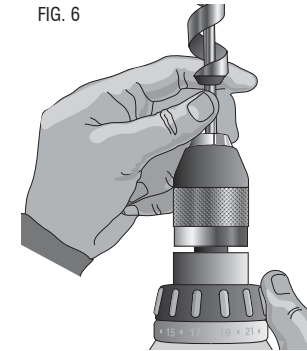


FIG. 6



while using the other hand to secure the tool. Rotate the sleeve clockwise until sleeve cannot be rotated any further, as demonstrated in Figure 7. As the drill is being operated in the forward position, the chuck will continually self-tighten the jaws of the chuck onto the bit to maximize the bit gripping strength.

To release the accessory, repeat Step 2.

## OPERATION

### Installing and Removing the Battery Pack (Fig. 8, 9)

**NOTE:** Make sure your battery pack is fully charged.

**⚠ CAUTION:** Make certain the lock-off button (B), as shown in Figure 1, is engaged to prevent switch actuation before removing or installing battery.

**To install the battery pack into the tool handle,** align the base of the tool with the rails inside the tool's handle and slide the battery pack firmly into the handle until you hear the lock snap into place (Fig. 8).

**To remove the battery pack from the tool,** press the release button (H) and firmly pull the battery pack out of the tool handle. Insert it into the charger (Fig. 9) as described in the charger section of this manual.

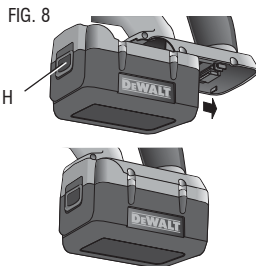


FIG. 8

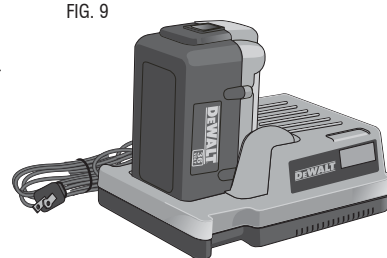
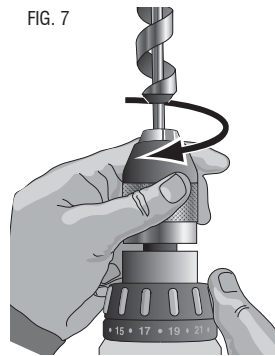


FIG. 9

FIG. 7

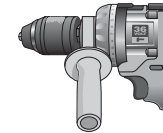


### Side Handle

**⚠ CAUTION:** Always operate the tool with the side handle properly assembled. Hold tool with both hands to maximize control.

Side handle clamps to the front of the gear case as shown and may be rotated to permit right- or left-hand use. Side handle must be tightened sufficiently to resist the twisting action of the tool if the accessory binds or stalls. Be sure to grip the side handle at the far end to control the tool during a stall.

If model is not equipped with side handle, grip drill with one hand on the handle and one hand on the battery pack.



### Drill Operation

1. Select the desired speed/torque range using the gear shifter to match the speed and torque to the planned operation.
2. For WOOD, use twist bits, spade bits, power auger bits or hole saws. For METAL, use high-speed steel twist drill bits or hole saws. Use a cutting lubricant when drilling metals. The exceptions are cast iron and brass which should be drilled dry.
3. Always apply pressure in a straight line with the bit. Use enough pressure to keep the drill bit biting, but do not push hard enough to stall the motor or deflect the bit.
4. Hold tool firmly with both hands to control the twisting action of the drill.
5. **IF DRILL STALLS**, it is usually because it is being overloaded. **RELEASE TRIGGER IMMEDIATELY**, remove drill bit from work, and determine cause of stalling. **DO NOT CLICK TRIGGER OFF AND ON IN AN ATTEMPT TO START A STALLED DRILL – THIS CAN DAMAGE THE DRILL.**
6. Keep the motor running when pulling the bit back out of a drilled hole. This will help prevent jamming.

### Hammerdrill Operation

1. When drilling, use just enough force on the hammer to keep it from bouncing excessively or "rising" off the bit. Too much force will cause slower drilling speeds, overheating, and a lower drilling rate.

2. Drill straight, keeping the bit at a right angle to the work. Do not exert side pressure on the bit when drilling as this will cause clogging of the bit flutes and a slower drilling speed.
3. When drilling deep holes, if the hammer speed starts to drop off, pull the bit partially out of the hole with the tool still running to help clear debris from the hole.
4. For Masonry, use carbide-tipped bits or masonry bits. A smooth, even flow of dust indicates the proper drilling rate.

### **Screwdriver Operation**

Select the desired speed/torque range using the three-speed gear shift lever on the top of tool to match the speed and torque to the planned operation. Insert the desired fastener accessory into the chuck as you would any drill bit. Set the torque adjustment collar to the desired setting. Make a few practice runs in scrap or unseen areas to determine the proper position of the clutch collar.

## **MAINTENANCE**

### **Cleaning**

**⚠ WARNING:** Blow dirt and dust out of all air vents 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. Exterior plastic parts may be cleaned with a damp cloth and mild detergent. Although these parts are highly solvent resistant, NEVER use solvents.

### **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.

### **ACCESSORIES**

Recommended accessories for use with your tool are available at extra cost from your local service center. If you need any assistance in locating any accessory, please contact DeWALT Industrial Tool Co., 20 Fletcher Road, Mooroolbark, VIC 3138 Australia or call 1800 654 155 or (NZ) 09 526 2556.

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

### **Repairs**

This charger is not user serviceable. There are no user serviceable parts inside the charger. Servicing at an authorized service center is required to avoid damage to static sensitive internal components.

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustments should be performed by a DeWALT factory service center, a DeWALT authorized service center or other qualified service personnel. Always use identical replacement parts.

### **Guarantee**

Applicable to hand held Power Tools, Lasers and Nailers.

### **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. Please return the complete unit, transportation prepaid, to any DeWALT Service Centre, or any authorised service station.

For warranty repair information, call (AUS) 1800 654 155 or (NZ) 09 526 2556.

This warranty does not apply to

- Accessories
- Damage caused where repairs have been made or attempted by others.
- Damage due to misuse, neglect, wear and tear, alteration or modification.

This warranty gives you specific legal rights and you may have other rights under the provisions of the Consumer Guarantee Act 1993 (New Zealand only), Trade Practices Act 1974 and State Legislation (Australia only).

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

#### **FREE ONE YEAR SERVICE CONTRACT**

DeWALT will also maintain the tool for free at any time during the first year of purchase. This includes labour, parts and lubrication required to restore the product to sound mechanical and/or electrical condition. Normal wear parts are not covered in this service. Carbon brushes worn more than 50% will be replaced.

**NOTE:** Three Year Warranty is not applicable to items deemed as consumables. Radial arm saws are covered by a one (1) year warranty only. DeWALT Reserves the right to review its warranty policy prior to launch of any new business development products.

**30 DAY NO SATISFACTION GUARANTEE**

If you are dissatisfied with any DeWALT power tool, laser or nailer, for any reason, simply return it to the point of purchase with your sales receipt within 30 days for a replacement unit or a full refund.

**FREE WARNING LABEL REPLACEMENT:** If your warning labels become illegible or are missing, call (AUS) 1800 654 155 or (NZ) 09 526 2556 for a free replacement.



***Patent Notification***

Manufactured under one or more of the following U.S. patents:

6859013	6431289
6329788	6676557
6175211	6857983
6133713	6984188
6057608	
6653815	

Other patents pending.





DeWALT Battery and Charger Systems																			
Battery		Chargers/Charge Time																	
Output Nominal		240 Volts																	12 Volts
Cat. Number	Voltage	Amp Hour	97014	98014	DW9106	DW9107	DW9108	DW9115	DW9116	DW9117	DW9118	DE9116	DE9118	DW911	DC011	DW0245	DE2046	DE9000	DW9109
DW0242	24	2.0	X	X	X	X	X	X	X	X	X	X	X	X	X	60	60	X	X
DE0240-XJ	24	2.0	X	X	X	X	X	X	X	X	X	X	X	X	X	60	60	X	X
DW0240	24	1.7	X	X	X	X	X	X	X	X	X	X	X	X	X	60	60	X	X
DW9096	18	2.4	X	X	X	X	60	X	60	20	X	60	X	60	60	X	X	X	60
DE9095-XJ	18	2.0	X	X	X	X	60	X	60	20	X	60	X	60	60	X	X	X	60
DE9091-XJ	14.4	2.0	45	45	45	45	45	15	45	15	90	45	90	45	45	X	X	X	45
DW9091	14.4	1.7	45	45	45	45	45	15	45	15	90	45	90	45	45	X	X	X	45
DC9071	12	2.4	60	60	60	60	60	15	60	15	60	60	60	60	60	X	X	X	60
DE9074-XJ	12	1.25	45	45	45	30	30	15	30	12	60	30	60	30	30	X	X	X	30
DW9072	12	1.2	45	45	45	30	30	15	30	12	60	30	60	30	30	X	X	X	30
DE9071-XJ	12	2.0	60	60	60	45	45	15	45	15	90	45	90	45	45	X	X	X	45
DW9071	12	1.7	60	60	60	45	45	15	45	15	90	45	90	45	45	X	X	X	45
DW9050	12	1.3	40	40	40	X	X	15	X	X	X	X	X	X	X	X	X	X	X
DW9063	9.6	1.25	45	45	45	30	30	15	30	12	60	30	60	30	30	X	X	X	30
DW9062	9.6	1.3	45	45	45	30	30	15	30	12	60	30	60	30	30	X	X	X	30
DW9061	9.6	1.7	60	60	60	45	45	15	45	15	90	45	90	45	45	X	X	X	45
DW9048	9.6	1.3	40	40	40	X	X	15	X	X	X	X	X	X	X	X	X	X	X
DW9057	7.2	1.25	45	45	45	30	30	15	30	12	60	30	60	30	30	X	X	X	30
DW9046	7.2	1.3	40	40	40	X	X	15	X	X	X	X	X	X	X	X	X	X	X
DC9096	18	2.4	X	X	X	X	60	X	60	20	X	60	X	60	60	X	X	X	60
DC9091	14.4	2.4	60	60	60	60	60	15	60	15	60	60	60	60	60	X	X	X	60
DC9036	36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	60	X

X Indicates that the battery pack is not compatible with that specific charger.  
All charge times are approximate. Actual charge time may vary.  
Read the instruction manual for more specific information.  
The battery voltage is nominal, it can measure above or below depending on the state of charge.

DeWALT Industrial Tool Co.,  
701 East Joppa Road, Baltimore, MD 21286 • 20 Fletcher Road, Mooroolbark, VIC 3138 Australia  
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The following are trademarks for one or more DeWALT power tools: the yellow and black color scheme; the "D" shaped air intake grill; the array of pyramids on the handgrip; the kit box configuration; and the array of lozenge-shaped humps on the surface of the tool.