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Item #31799

# ELECTRIC IMPACT GUN

## INSTRUCTIONS



The **EASTWOOD 1/2" ELECTRIC IMPACT WRENCH** is great for use where a compressed air supply is unavailable. The powerful 7.5 Amp motor and 1/2" square drive powers impact sockets and accessories with ease. A simple, Reverse/Forward rocker switch provides instant response. Features a "plugged-in" indicator lamp for safety and convenience.

## CONTENTS

(1) Electric Impact Wrench

## SPECIFICATIONS

<b>Input Voltage:</b>	120 VAC, 60 Hz
<b>Input Amperage:</b>	7.5 Amps
<b>Plug type:</b>	2-prong, polarized
<b>Cord length:</b>	7' - 6"
<b>Certification:</b>	ETL
<b>Maximum Torque Capacity:</b>	230 lb. ft. [312nm.]
<b>No-Load Speed:</b>	2200 RPM
<b>Impact BPM:</b>	2700 bpm
<b>Square Drive Capacity:</b>	1/2"

## IMPORTANT SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

### **DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### **WARNING**

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### **CAUTION**

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### **NOTICE**

NOTICE is used to address practices not related to personal injury.

# GENERAL SAFETY RULES

## **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 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.

### 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 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 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 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 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 those intended could result in a hazardous situation.

#### 4) 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 INFORMATION



### **⚠ WARNING SHOCK HAZARD!**

- Never operate or store Impact Wrench in damp or wet conditions.
- Plug into a minimum 15 amp circuit. **If using an extension cord, it must be AWG 16 or greater, no longer than 25'.**



### **⚠ WARNING HEALTH & INJURY HAZARDS!**

- Dust and fine particles are generated while operating the Impact Wrench which can contain hazardous or toxic substances. Breathing this dust can cause many serious respiratory health conditions. Always use NIOSH approved respiratory protection while using this Impact Wrench. This Impact Wrench can eject chips, particles and debris at high velocity during operation. Wear ANSI approved eye protection at all times while operating.
- The rotating drive and impact sockets can quickly catch loose clothing, long hair or jewelry causing serious personal injury. Keep all loose clothing, long hair and jewelry away from operating Impact Wrench.
- This Impact Wrench can quickly start up when handling while plugged in to electrical supply causing serious personal injury. Always unplug the tool from the electrical supply before changing sockets, accessories or performing maintenance.
- Sharp metal fastener edges can cut. Always wear protective work gloves while handling.
- Rotating Impact Wrench sockets, other accessories and fasteners can quickly cause cuts. Keep hands and fingers away from sockets, other accessories and fasteners.
- This Impact Wrench can quickly and violently kick back or twist while operating causing severe hand and or wrist injury. Do not apply excessive force to Impact Wrench while in use. Always operate Impact Wrench with two hands.
- Damaged impact sockets and accessories can break at high torque levels causing personal injury or property damage. If excessive vibration is felt, discontinue use immediately and disconnect tool from electrical supply. Inspect socket, accessory or Impact Wrench for damage. Do not resume use until resolution is found.



# SOCKET OR ACCESSORY INSTALLATION

## **⚠ WARNING**

This Impact Wrench can quickly start up when handling while plugged in to electrical supply causing serious personal injury. Always unplug the tool from the electrical supply before changing sockets, accessories or performing maintenance.

- Snap the desired impact socket or accessory onto the 1/2" square drive.

## **⚠ WARNING**

Use with sockets and accessories designed and rated for impact use only. DO NOT attempt to use on non-impact rated sockets and accessories.

## **⚠ WARNING**

Sharp metal fastener edges can cut. Always wear protective gloves while handling.

# OPERATION

## **⚠ CAUTION**

Always operate the Impact Wrench with two hands. Failure to do so could cause serious personal injury.

## **⚠ NOTICE**

The Impact Wrench features a convenient power supply indicator located at the top rear of the housing which illuminates amber whenever the power cord is plugged in.

- While holding the Impact Wrench securely in two hands, depress the Trigger located at the forward surface of the Impact Wrench body handle (**FIG 1**).
- Pressing the lower "R" indicated portion of the Trigger will LOOSEN fasteners.
- Pressing the upper "F" indicated portion of the Trigger will TIGHTEN fasteners.
- To begin Impact Wrench operation, allow several seconds for the motor to reach full torque, then continue to hold the Trigger until the fastener loosens.
- Slowly and steadily allow the rotating drive to do the work.
- When the fastener has been loosened, release trigger and allow the Impact Wrench to stop rotating before pulling the socket away from the fastener.



## **⚠ WARNING**

DO NOT force the Impact Wrench forward or kickback could quickly occur causing severe injury!

# MAINTENANCE

**IMPORTANT NOTE:** The following maintenance should be performed before each use:

- Inspect 1/2" Square Drive for looseness or premature wear.
- Clean dirt and debris from Square Drive.
- Clean dirt and debris from motor air cooling slots.

# TROUBLESHOOTING

<b>Does Not Run When Switch is Depressed</b>	No Electrical Power to Impact Wrench	Check 120 VAC input plug connection.
		Check for tripped circuit breaker.
<b>Motor Runs Too Slow/ Develops Low Power</b>	Undersized or Too Long of an Extension Cord	Use only 16 gauge or larger cord.
		Limit length to 25'.
<b>Excessive Noise and/or Vibration</b>	Socket or Accessory is Damaged	<b>WARNING:</b> This is an extremely dangerous condition! Stop Use and replace socket or accessory!
<b>Motor Overheats</b>	Excessive Pressure Being Applied to Impact Wrench	Allow Impact Wrench to loosen by rotation alone. Do Not Force.
	Fastener Too Tight and Exceeds Torque Capacity of Impact	Discontinue use of Impact Wrench.
	Dirt and Debris Buildup in Motor Cooling Air Slots	Use a brush or compressed air to remove debris.

# ADDITIONAL ITEMS

- #21285 Electric Drill
- #31668 Reciprocating Saw
- #31664 Mini Metal Saw

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**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: [techelp@eastwood.com](mailto:techelp@eastwood.com)

PDF version of this manual is available online >> [eastwood.com/31799manual](http://eastwood.com/31799manual)

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