

Eastwood

DO THE JOB RIGHT.

Part #30164

14" METAL CUTTING SAW

INSTRUCTIONS



Your Eastwood #30164 **14" METAL CUTTING SAW** was designed with a powerful 15 amp motor and precision cut reduction gearing for maximum cutting torque when needed. It features a quick-release material clamp with tool-free angle adjustment, quick-removal blade cover and a positive spindle lock for fast blade changes.

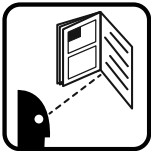
INCLUDES

- (1) Saw assembly with motor
- (1) Blade
- (1) 8mm Hex Key
- (1) 5mm Hex Key

SPECIFICATIONS

- 120 VAC, 15 Amp motor
- 10' long, 14 Gauge, 3 conductor grounded power cord
- 14" Outside Diameter [355mm] x 1" Arbor [25.4mm] x 3/32" [3.0mm] 3500 RPM minimum rated, ferrous metal cutting blade
- Maximum material cutting range @ 90° setting with a new blade = 5.5" wide x 4.5" high
Maximum cutting range @ 45° setting with a new blade = 3.5" wide x 3.13" high

SAFETY INFORMATION



READ INSTRUCTIONS!

Thoroughly read and understand this instruction manual before using. Save manual for future reference.



FLAMMABILITY HAZARD!

Sparks are ejected at high speed. Make sure the entire work area is clear from flammable material.



ELECTRIC SHOCK HAZARD!

- Never operate or store saw in damp or wet conditions.
- Plug only into a 3 prong, properly grounded electrical outlet with a minimum 15 amp rated circuit.
- If an extension cord is required, a 25' cord is recommended not to exceed 25'. All extension cords must be 14 AWG or greater.
- Keep power cord away from cutting blade area.



HEALTH HAZARD!

- Avoid breathing dust and debris produced by the cutting action. Always wear appropriate NIOSH approved breathing apparatus and use in a well ventilated area.
- Wear appropriate ANSI-approved eye protection. Metal particles and dust can be ejected during the cutting process.
- Never allow the discharge of cutting blade to be directed toward yourself or other persons or pets.
- This device emits high sound levels while cutting, the use of appropriate hearing protection is strongly recommended.

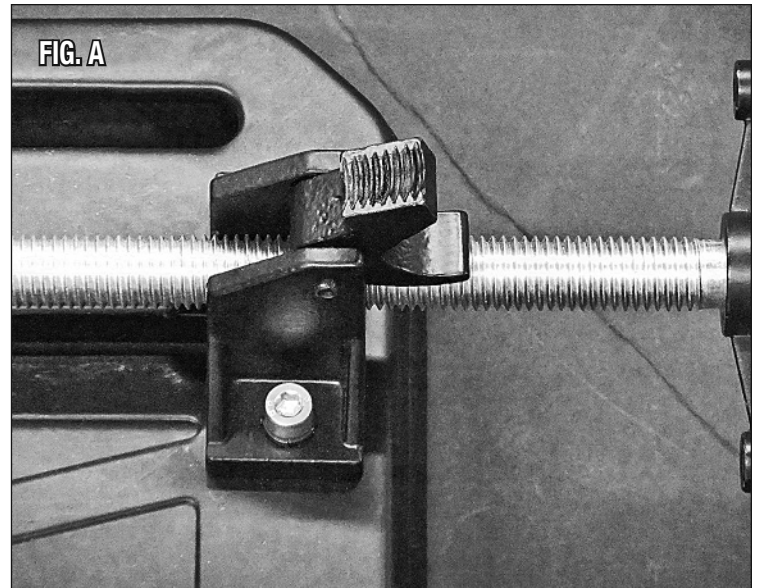


INJURY HAZARD!

- This tool has a high-speed, highly abrasive cutting blade which can quickly cause severe injury. Keep fingers and hands away from moving parts when operating.
- Wear thick, well fitting work gloves and keep loose clothing, sleeves, cords, jewelry and hair away from moving parts.
- Frequently inspect blade. If cracks develop, discontinue tool use immediately and replace damaged blade.
- Always unplug when adjusting or changing blade.

SET UP

- Place Chop Saw on a clean, dust and grit free surface. The Metal Cutting Saw rubber feet are designed to assist with stability during normal operation, however it is strongly recommended that the machine be placed on a solid floor, away from any combustible materials due to the high-velocity ejection of sparks and high vibration levels while cutting. If machine is to be operated on a bench, it should be placed securely to prevent any chance of it working its way to the edge and falling.
- Keep power cord away from the Metal Cutting Saw blade. The unit is equipped with a 10' long, grounded, 14 ga. power cord. Plug into a properly grounded, 20 Amp outlet. If an extension cord is required, use 14 ga. or heavier. Do not exceed 25'.
- **DO NOT OVERLOAD.** Saw is designed to accommodate maximum material sizes @ 90° setting **with a new blade** of 5.5" wide x 4.5" high or @ 45° setting **with a new blade** = 3.5" wide x 3.13" high. Attempts to cut over-sized material can result in serious personal injury, death and/or serious damage to the saw.
- Be sure to support any material being cut that extends beyond the base of the saw with equal height (3") blocks of wood or other suitable material.
- Secure loose work pieces by using the Material Clamp to prevent movement while cutting:
 - To use the Quick Release, rock the Quick Release tab forward to the position shown in **(Fig A)** and push the Clamp Handle up against the workpiece. Then tighten the Clamp Handle by rotating in a clockwise direction. When releasing, loosen the Clamp Handle a few turns to relieve clamping pressure, rotate the Quick Release tab forward, and pull the Clamp Handle rearward to open.
 - To cut material at an angle (from 90° up to 45°), adjust the Angle Scale by loosening the Clamping Lever counter-clockwise as viewed from above as shown in **(Fig B)**. Adjust the Angle Scale to the desired angle setting and then tighten the Clamping Lever.



OPERATION

- Using the Material Clamp, secure your workpiece and, if necessary, adjust the angle of the cut.
- Raise the Saw by pushing down on it and pulling out the Locking Knob located at the lower left side of the motor mount, just below the pivot (**Fig C**).
- Plug the Power Cord into the nearest 120 V~, grounded, 20 Amp electrical outlet. Be sure the power cord is away from the saw blade. Push in the Trigger Safety Lock Button (**Fig D**) on the underside of the handle and pull on the Trigger (**Fig E**) to run the Saw motor. Allow the Blade to reach full operating speed.
- With one hand on the Handle and the other hand kept away from the Saw, slowly lower the Saw down onto the Base, letting the Saw Blade do the cutting. **DO NOT** apply excessive force or serious personal injury, death and/or serious damage to the saw can occur.

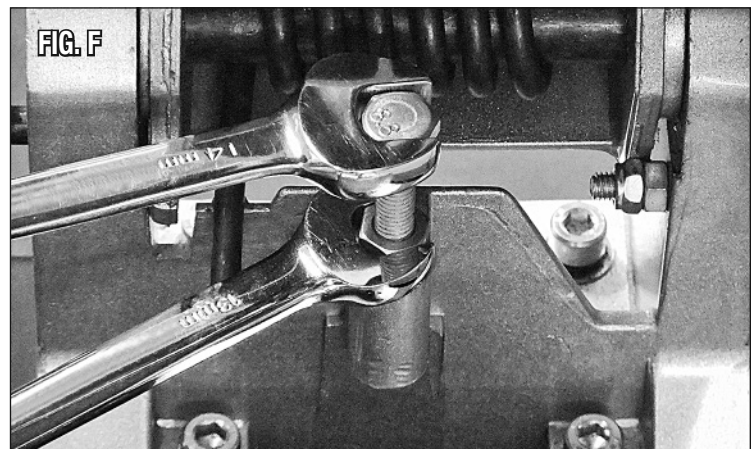
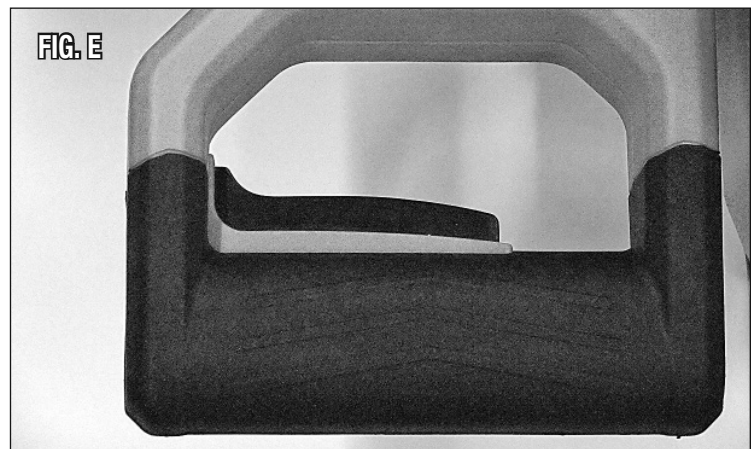
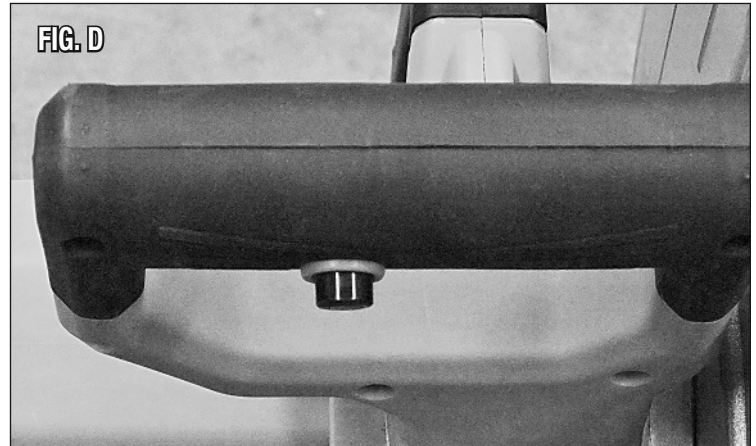
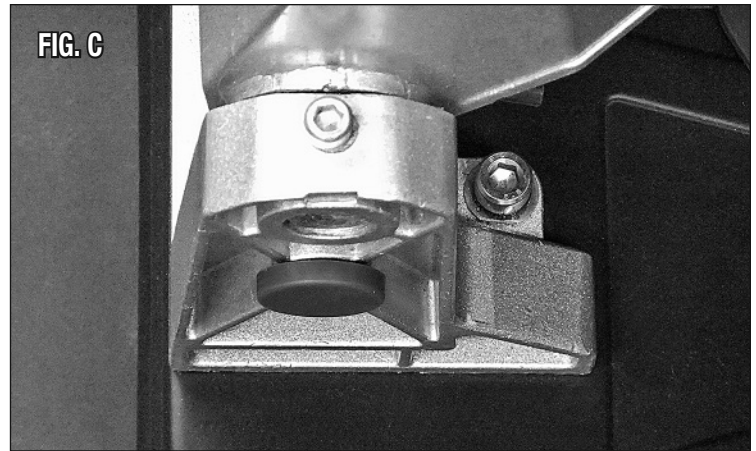
IMPORTANT NOTE: Keep your body and any objects out of the path of the sparks which will be ejected at high velocity from the rear of the saw!

- If the Blade does not cut all the way through the workpiece, the Depth Stop may need adjustment. To do so, follow Depth Stop Adjustment Procedure:
 - Release the Trigger and raise the Saw. Wait until the motor comes to a complete stop.
 - **Unplug the Saw.**
 - Remove the workpiece.
 - Loosen the Lock-nut on the Depth Adjustment Bolt as shown in (**Fig F**) using a 13mm wrench.
 - Turn the Depth Adjustment Bolt with a 14mm wrench to change the cutting depth (**Fig F**). Raising it will decrease the cutting depth while lowering it will increase the cutting depth.

NOTE: For a proper depth setting, the Blade should protrude only slightly below the edge of the slot in the Saw Base. Under no circumstances should the Saw Blade ever contact the Saw Base.

- Following adjustment, re-tighten the Lock-nut on the Depth Adjustment Bolt securely against the Saw Base with a 13mm wrench.

IMPORTANT TIP: As the blade wears from use, it may periodically require Depth Adjustment to compensate.

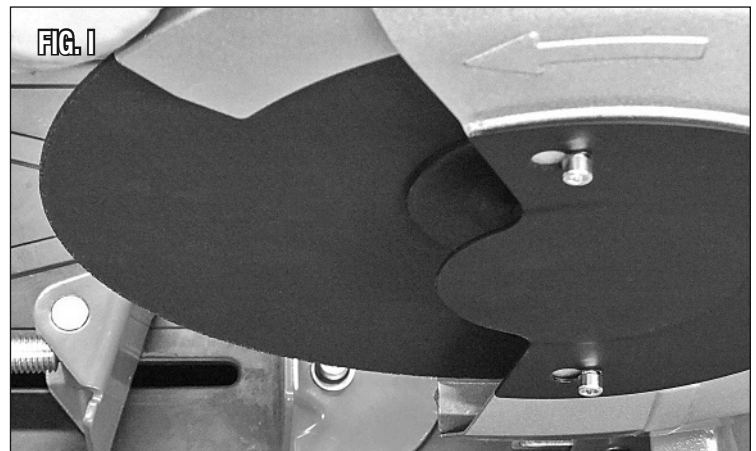
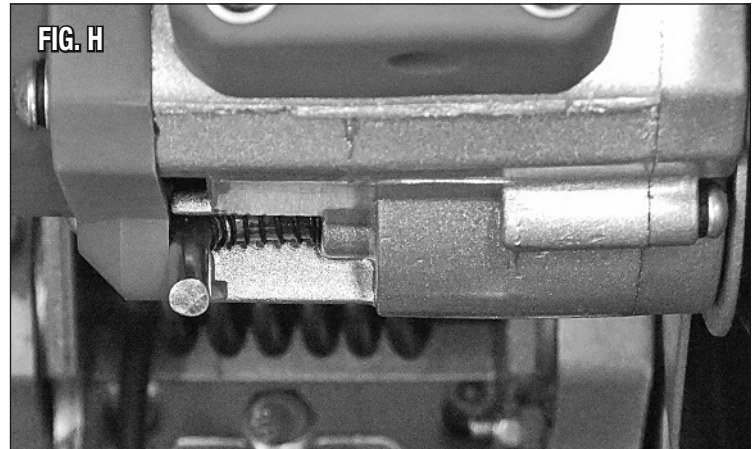
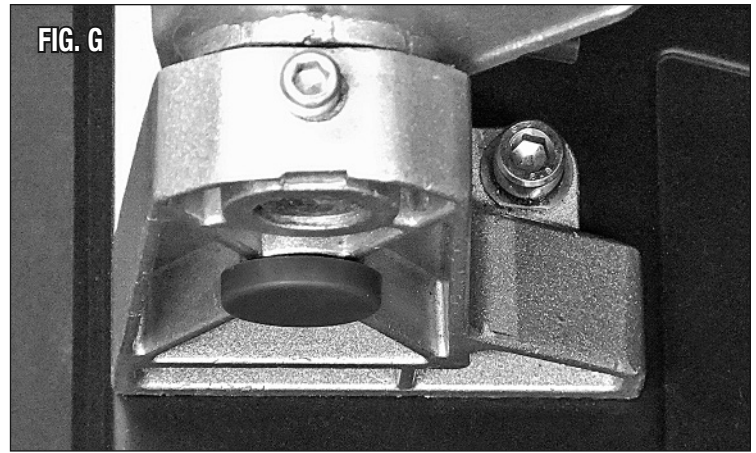


BLADE REPLACEMENT

- **Unplug the Saw.**
- Raise the Saw by pushing down on it and pulling out the Locking Knob located at the lower left side of the motor mount, just below the pivot (**Fig G**).
- Remove the Shaft Guard Plate by loosening the 2 socket head cap screws with a 5mm hex key. Slide the Shaft Guard Plate slightly so that the larger end of the “keyhole” slots fit over the screw heads.
- Push the Armature Lock Pin lever located on the underside of the motor (**Fig H**), inward towards the Blade while rotating the Blade slowly until the Lock Pin snaps into a detent locking the motor shaft and preventing it from rotating.
- Open and hold the Rotating Guard against spring pressure (**Fig I**).
- While continuing to hold in the Armature Lock Pin, use the supplied 8mm Hex Key to loosen the blade retaining, Socket Head Cap Screw (**Fig J**).
- Remove the Socket Head Cap Screw, the Flange Washer, the Outer Blade Flange, and the Blade (**Fig J**).
- Replace the blade over the arbor followed by the Outer Blade Flange with the cupped side against the blade, the Flange Washer and finally the Socket Head Cap Screw.
- **NOTE:** Be sure the flats of the Outer Blade Flange are aligned with the flats of the motor shaft (**Fig K**).
- Keeping the Armature Lock Pin engaged, tighten the Socket Head Cap Screw securely with the included 8mm Hex Key.
- Gently release the Rotating Guard and allow the Armature Lock Pin to snap back to the released position.
- Replace the Shaft Guard Plate and tighten the two socket head cap screws with a 5mm hex key.
- Check blade depth and if necessary, adjust per Depth Stop Adjustment Procedure outlined under OPERATION in these instructions.

STORAGE

- Unplug from power source.
- Lower Saw to cutting position and push in the Locking Knob located at the lower left side of the motor mount, just below the pivot (**Fig C**).
- Wrap cord securely around Saw.
- Transport by using the built-in carry handle at the top of the motor housing.
- Store in a clean, dry area, preferably covered with plastic sheeting.



TROUBLESHOOTING

- **Does not run when switch is turned on:**
 - Check 120 VAC input plug connection.
 - Check for tripped circuit breaker. The Saw operates on a 15 Amp Minimum circuit, 20 Amp is strongly recommended.
- **Motor runs too slow/develops low power:**
 - Under-sized and or too long of an extension cord used. Use only a 14 Gauge or larger cord no longer than 25' in length.
- **Blade does not cut all the way through material:**
 - Blade worn down. Check blade depth and if necessary, adjust per Depth Stop Adjustment Procedure outlined under OPERATION in these instructions.
- **Excessive noise and or vibration:**
 - Blade likely cracked or damaged. **WARNING: This is an extremely unsafe condition! Discontinue use and replace blade.**
- **Motor overheats:**
 - Excessive pressure being applied while cutting. Allow Blade to cut by rotation alone. Do Not Force.
 - Dirt and cutting debris buildup in motor cooling air slots. Use a brush or compressed air to remove debris.

MAINTENANCE

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

- Check tightness of all hardware.
- Check operation and alignment of all guards.
- Inspect Blade for cracks, damage or premature wear.
- Clean dirt and debris from Saw base and motor air cooling slots.

OPTIONAL ITEMS

- #12485 Pro Former Tubing Bender
- #28135 Heavy Duty Metal Bender
- #12739 Tubing Pipe Notcher & Hole Saw Kit

NOTES

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

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: techelp@eastwood.com
PDF version of this manual is available online >> eastwood.com/30164manual

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