

*Eastwood*

DO THE JOB RIGHT.

Item #30216

# PNEUMATIC ROTARY REMOVAL TOOL INSTRUCTIONS



# SAFETY INFORMATION



## READ INSTRUCTIONS!

Thoroughly read and understand manual before using this Rotary Removal Tool. Save for future reference.



## WARNING!

**DO NOT** exceed **90 psi [6.3 bar]** of tool inlet air pressure. Permanent tool damage and or personal injury could occur.



## OPERATIONAL HAZARDS!



- Wear approved eye gear at all times when operating the tool for protection from possible ejected particles, shards and sparks created from cleaning, sanding or grinding.
- This tool can generate a trail of sparks which are ejected at high speed. Keep pets, people and flammable materials out of the path of the spark trail.
- Keep loose clothing, jewelry and long hair away from rotating components as serious personal injury can occur.
- **ALWAYS** disconnect tool from air supply when changing wheels to prevent accidental tool starting and potential injury.
- **WARNING** This tool is very powerful and generates a great deal of torque while operating. Always handle with two hands and exercise great caution while operating.
- Do not force tool while cleaning or grinding as the tool body can suddenly kick back or twist causing severe hand or wrist injury. Cleaning wheels can also be damaged by excessive side force causing them to disintegrate and eject pieces at high velocity.
- **ONLY USE** replacement wheels rated for 3500 RPM or greater use otherwise serious injury or death can result in the event of wheel failure.
- **NEVER** attempt to operate without guard in place or serious injury can result.
- Always make sure the work piece being cleaned/sanded is securely clamped or anchored to allow two-handed operation of the tool.
- Repetitive motion and extended exposure to vibration may harm hands and arms.

Your **Eastwood Rotary Removal Tool** is a heavy-duty professional quality tool ruggedly designed for many years of reliable service. It features a wheel guard enclosure and an ergonomic multi-position, auxiliary handle for maximum safety. A high-torque, ball bearing supported, 4 vane motor and hardened spur gears provide smooth operation and long life. Speed is easily controlled with an infinitely progressive throttled trigger control.

## SPECIFICATIONS

- RPM: 3500 free speed
- Air Consumption: 7 CFM [100 L/min]
- Inlet thread size: 1/4" FNPT.
- Motor Shaft Drive Size: 9mm Hex.
- Variable speed, 4 vane, ball bearing air motor with hardened spur gears.
- Belt drive for smooth operation.

## INCLUDES

- |   |   |
|---|---|
| (1) Rotary Removal Tool                 | (1) Wire Brush Hub Assembly                     |
| (3) Wire Wheel Brush Bands              | (1) 4" x 1-1/4" Adhesive Eraser Wheel           |
| (1) 5 mm Hex-Key Wrench                 | (2) 6mm x 20mm Socket Head Hub Retaining Screws |
| (1) 4" x 1-1/4" Abrasive Cleaning Wheel | (1) Storage Case                                |



# ROTARY REMOVAL TOOL SET-UP & CONNECTION

- Be sure that the air supply to the tool is clean and dry. Moisture in the supply line will quickly damage the motor and valves.
- A minimum 3/8" I.D. air line should be used for optimal performance.
- Thread the included 1/4" Male Quick Fitting into the air inlet of the tool, using TFE thread sealing tape (not included).

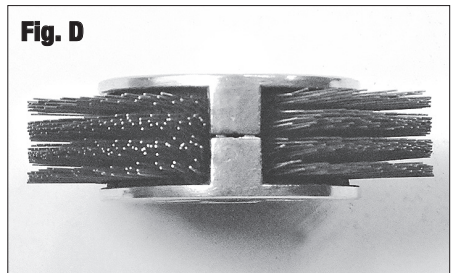
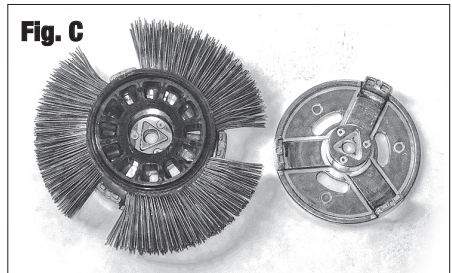
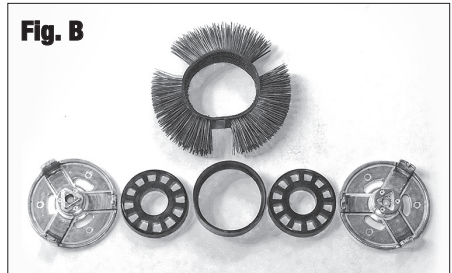
## OPERATION

- Set desired motor speed by rotating the Speed Knob located on the top surface of the Motor Housing. To the left = Low (LO), To the right = High (HI).
- Push Trigger Safety forward with thumb while depressing Trigger Paddle to operate tool. Note that motor speed increases as the Trigger is depressed.
- Keep the broad work surface of the Wire Wheel, Cleaning Wheel or Eraser parallel to the work surface whenever possible to minimize uneven wear and maximize usable life.
- Always use two hands while operating tool, do not force but allow the rotational speed of the wheel to do the work.
- Be sure that the workpiece is clamped down or held securely to always allow two hands to operate tool.

# WIRE WHEEL BRUSH BAND ASSEMBLY/INSTALLATION

The 3 included wire brush wheels must be assembled to the 5 piece hub assembly before installation and use. The following steps describe how to do this:

- Disconnect air supply from the tool to prevent accidental starting and potential injury while installing or removing wire, sanding or cleaning wheels.
- Identify the Wire Brush Hub components: Note that there are 2 die-cast Drive Hub halves; The Drive Half has a Hex Drive recess, a male triangular indexing feature and 2 raised indexing “fingers” the each of the 3 crossmembers. The Outer Hub Half has a Round recess to accept the Socket Head Cap Screw, a female triangular indexing feature and 2 indexing slots on each of the 3 crossmembers. (Fig A). In addition, there are 2 identical black plastic spacers and 1 sleeve. (Fig B).
- Place the Rubber Sleeve into the Wire Brush Wheel Band and center it.
- Place one of the 2 Black Plastic Spacers into the Rubber Sleeve with the chamfered side inward.
- Place 2nd Black Plastic Spacer into the Rubber Sleeve with the chamfered side inward. (Fig C).
- Slide the die-cast inner Drive Hub over the Sleeve, Spacer and Wire Band assembly then add the outer die-cast Hub making sure the triangular indexing and the tabbed features are seated properly (Fig D).



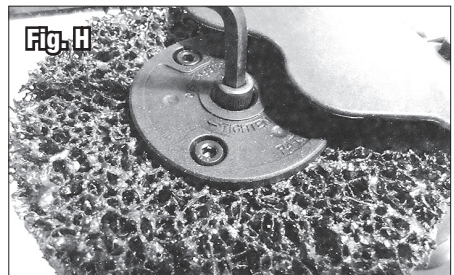
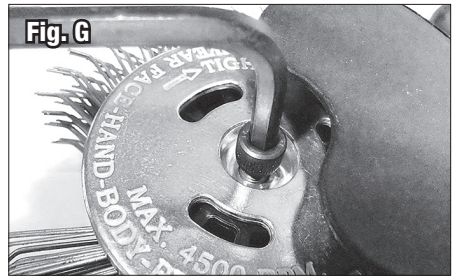
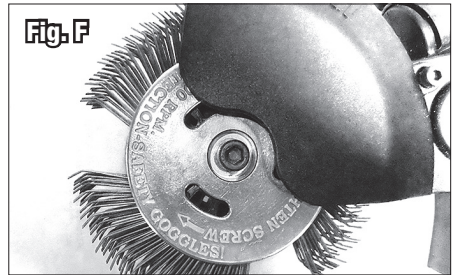
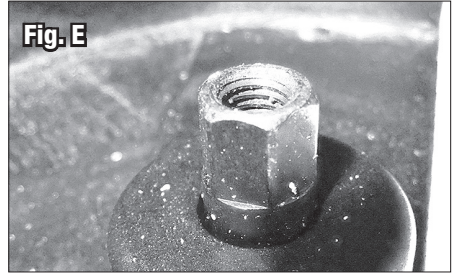
# WIRE WHEEL BRUSH BAND ASSEMBLY/INSTALLATION

(continued)

- Place the assembled Wire Brush Wheel Assembly with the Hex Drive Recess over the Hex Drive Spindle (**Fig E**).  
**IMPORTANT NOTE:** If using the Bent Finger type of Wire Brush Sleeves, be sure the fingers rotate in the forward direction (counter-clockwise) when viewed from the left side of the tool. (**Fig F**).
- Insert the Socket Head Cap Screw into the center hole of the Drive Hub Assembly (**Fig G**) and tighten securely with the included 5mm Hex Key.

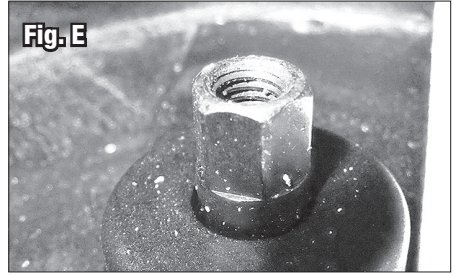
## ATTACH 4" ABRASIVE CLEANING WHEEL:

- Disconnect air supply from the tool to prevent accidental starting and potential injury while installing or removing wire, sanding or cleaning wheels.
- Place the 4" Abrasive Cleaning Wheel Assembly with the Hex Drive Recess over the Hex Drive Spindle. (**Fig E**).
- Insert the Socket Head Cap Screw into the center hole of the Cleaning Wheel Hub (**Fig H**) and tighten securely with the included 5mm Hex Key.



# ATTACH 4" ADHESIVE ERASER WHEEL

- Disconnect air supply from the tool to prevent accidental starting and potential injury while installing or removing wire, sanding or cleaning wheels.
- Place the 4" Adhesive Eraser Wheel Assembly with the Hex Drive Recess over the Hex Drive Spindle. (**Fig E**).
- Insert the Socket Head Cap Screw into the center hole of the Eraser Wheel Hub (**Fig I**) and tighten securely with the included 5mm Hex Key.



## MAINTENANCE

- Add several drops of air tool oil before each use by dropping directly into the air inlet.
- If tool is to be unused for an extended period, add 10 drops of air tool oil directly to the air inlet, rotate the tool motor by hand several times to distribute the oil throughout the motor and gearbox then store the tool, handle up.
- With the air supply disconnected, periodically check that the Socket Head and Wheel Retaining screw is tight.

# TROUBLESHOOTING

- **Tool doesn't respond to trigger depression:**
  - Verify sufficient air supply to tool.
  - Check for moisture in air line and tool air inlet.
- **Tool performance is slow or sluggish:**
  - Verify sufficient air supply to tool.
  - Check for moisture in air line and tool air inlet.
- **Tool vibrates excessively during use:**
  - Stop use immediately and check for split or broken cleaning or abrasive wheel or belt.
  - Check for loose Retaining Screw and or Spindle Hex Adapter.
- **Tool emits excessive noise during use:**
  - Stop use immediately and add air tool oil directly to air inlet.

## ADDITIONAL ITEMS

#30544	Replacement Eraser Wheel with Hub
#30545	Replacement Course Wire Wheel
#30546	Replacement Medium Wire Wheel
#30547	Replacement Fine Wire Wheel
#30548	Replacement Wire Wheel Hub
#30549	Replacement Stripping Wheel with Hub

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

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: [techhelp@eastwood.com](mailto:techhelp@eastwood.com)

PDF version of this manual is available online >> [eastwood.com/30216\\_manual](http://eastwood.com/30216_manual)

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