

4" AIR ANGLE GRINDER

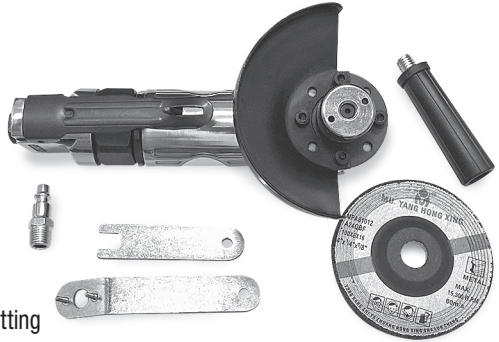
INSTRUCTIONS



The **ROCKWOOD 4" AIR ANGLE GRINDER** is a heavy-duty professional quality tool ruggedly designed for many years of reliable service. A high-torque, linear, ball bearing supported air motor provides smooth operation and long life. Speed is easily controlled with an infinitely progressive paddle control.

CONTENTS

- (1) Air Angle Grinder
- (1) 4" x 1/4" x 5/8" Grinding Wheel
- (1) Auxiliary Handle
- (1) Arbor Wrench
- (1) Spindle Nut Spanner
- (1) 1/4" MNPT, Male quick disconnect inlet fitting



SPECIFICATIONS

- RPM:** 10,000 free speed
Variable speed, ball bearing air motor
- Air Consumption:** 6 CFM [170 L/min] @ 90 PSI [6.2 bar]
- Inlet thread size:** 1/4" FNPT
- Required Grinding Wheel:** 4" diameter, 10,000 RPM
- Arbor Diameter:** 5/8" [16mm]

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.



READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using this tool. Failure to follow all warnings can result in tool damage or serious physical injury.
- Keep these product instructions for future reference.



WARNING HEALTH HAZARD!

- Dust and fine particles generated by grinding can contain hazardous or toxic substances. Always wear a NIOSH-approved respirator while using this grinder.



WARNING EYE INJURY HAZARD!

- Rapidly rotating surfaces can eject metal particles, dirt and debris at high velocity. Always wear ANSI approved eye protection when operating this tool.



WARNING HEARING DAMAGE HAZARD!

- This Pneumatic Tool emits high sound levels while operating. Use ANSI approved ear protection when operating.



CAUTION BURSTING HAZARD!

- Do not exceed 90 psi (6.2 bar) of tool inlet pressure. Permanent tool damage and/or explosion could occur and cause personal injury.



⚠ CAUTION INJURY HAZARD!

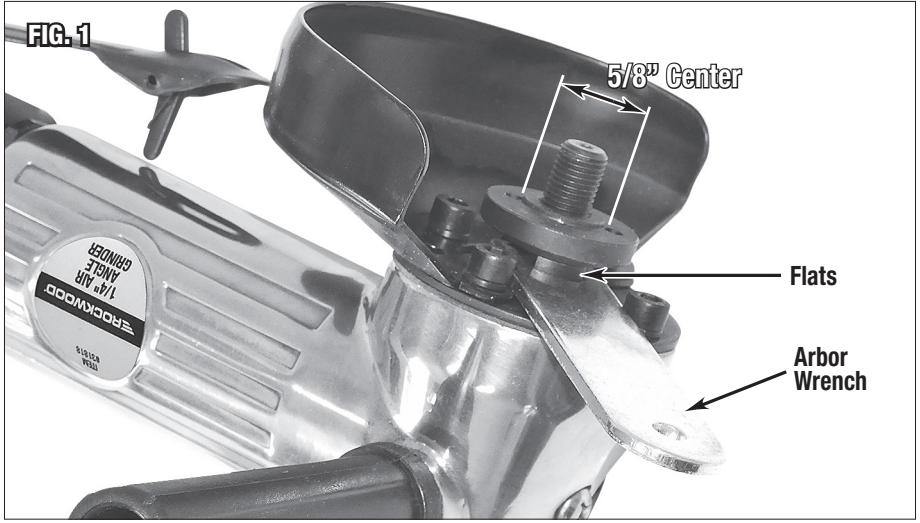
- This tool has high-speed, highly abrasive cutting surfaces which can quickly cause severe injury. Keep fingers and hands away from moving parts when operating. Wear thick, well-fitting work gloves and keep loose clothing, sleeves, cords, jewelry and hair away from moving parts.
- This tool will eject sparks at high speed which can ignite flammable materials or injure others nearby. Do not operate near flammable materials and keep all persons and pets away from the work area.
- Do not force tool or exert excessive side forces on tool while in use as the tool body can suddenly kick back or twist causing severe hand or wrist injury. Grinding wheels can be damaged with excessive side force causing them to disintegrate and eject sharp pieces at high velocity.
- Always make sure the workpiece is securely clamped or anchored to avoid sudden movements which could result in injury.
- Frequently inspect Grinding wheel and tool condition. If cracks develop, discontinue tool use immediately and replace damaged wheel. **ONLY USE** replacement 4" Grinding Wheels rated for 10,000 RPM or greater use otherwise severe injury or death can result in the event of wheel failure.
- Always disconnect tool from air supply when changing Grinding wheel to prevent accidental tool starting and potential severe injury.

⚠ CAUTION VIBRATION INJURY HAZARD!

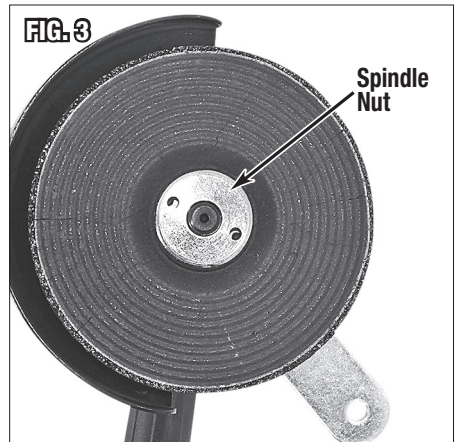
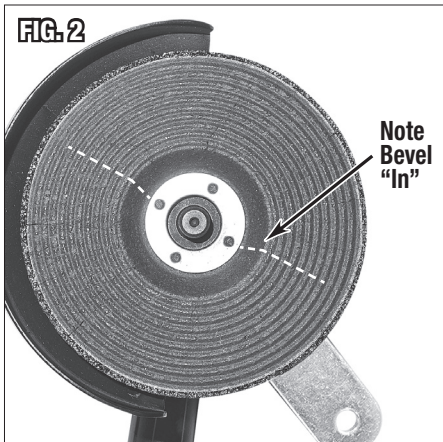
- This tool will vibrate during use! Repeated exposure to vibration may cause physical injury.

SET-UP

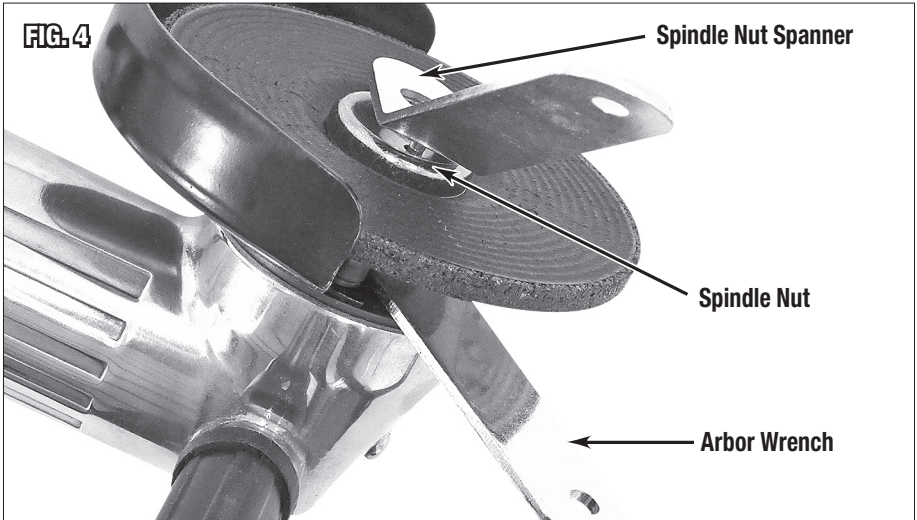
- Thread the Auxiliary Handle onto the threaded hole at the upper left corner of the Grinder Body and tighten it securely.
- Slip the Arbor Wrench in at a 45° angle in relation to the top of the Grinder Body, between two of the guard cap screws and rotate the Spindle to align the flats with the Arbor Wrench (**FIG 1**).



- Place the upward beveled, raised center of the 4" Grinding Wheel over the threaded Arbor Spindle while centering the 5/8" center hole over the 5/8" diameter offset Spindle Flange (**FIG 2**).
- Place the Spindle Nut over the threaded Arbor Spindle making sure the 5/8" diameter offset faces inward and towards the Grinding Wheel hub (**FIG 3**).
- Thread the Spindle Nut onto the Arbor (making sure the 5/8" offset is centered in the Grinding Wheel) until it is finger-tight (**FIG 3**).



- While holding the Spindle with the Arbor Wrench, set the pins of the Spindle Nut Spanner into the holes of the Spindle Nut and tighten it securely (**FIG 4**).



- Using a good quality Teflon sealing tape (Not Included), thread the 1/4" MNPT, Male quick disconnect inlet fitting into the air inlet.

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.

OPERATION

- Connect air supply, move throttle safety lever forward and depress Paddle to begin rotating action. Speed is regulated by pressure applied to the Paddle.

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.

TROUBLESHOOTING

Tool Doesn't Respond to Trigger Depression	Insufficient Volume of Air (CFM) to Operate Tool	Verify sufficient air supply to tool (6 CFM @ 90 PSI minimum requirement).
	Moisture or Other Contamination in Air Supply	Check for moisture in air line and tool air inlet.
Tool Performance is Slow or Sluggish	Insufficient Volume of Air (CFM) to Operate Tool	Verify sufficient air supply to tool (6 CFM @ 90 PSI minimum requirement).
	Moisture or Other Contamination in Air Supply	Check for moisture in air line and tool air inlet.
	Air Motor is Lacking Lubrication	Stop use immediately and add air tool oil directly to air inlet.
Tool is Excessively Noisy/Emits High Pitched Sound	Air Motor is Lacking Lubrication	Stop use immediately and add air tool oil directly to air inlet.
Tool Vibrates Excessively During Use	Out of Balance Condition from Damaged Grinding Wheel	Stop use immediately, check for damage and replace Grinding Wheel.
	Loose Spindle Nut	Tighten loose Spindle Nut.

ADDITIONAL ITEMS

- #70491 Eastwood Industrial Air Hose, 3/8" x 25'
- #70492 Eastwood Industrial Air Hose, 3/8" x 50'
- #13223 Face Shield with Ratcheting Headband

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

PDF version of this manual is available online >> eastwood.com/31818manual

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