

Eastwood

DO THE JOB RIGHT.

Item #20286

4.5" ANGLE GRINDER

INSTRUCTIONS



The **EASTWOOD 4-1/2" ANGLE GRINDER** is built to high quality standards to provide long life and smooth operation to serve the demands of the avid hobbyist and seasoned professional alike. Features a heavy-gauge wheel guard and an interchangeable handle for maximum safety. The standard 5/8" spindle accepts all 4-1/2" grinding wheels, 1/4" or less thickness.

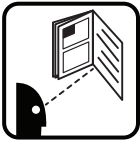
INCLUDES

- (1) Angle Grinder
- (1) Auxiliary Handle
- (1) Spanner Pin Wrench
- (2) Motor Brush Assemblies

SPECIFICATIONS

- RPM: 10,000 maximum free speed
- Power Requirements: 120 Volts AC, 60Hz, 6 Amps
- Spindle Size: 7/8"
- Spindle Arbor Thread: 5/8"-11
- Wheel Size: 4-1/2" x 1/4" thick (or less)

SAFETY INFORMATION



READ INSTRUCTIONS!

- Read this entire manual before set up and use.
- Keep this manual in a safe location as it will be necessary to refer to it often.



ELECTRICAL WARNING

- Never operate or store Angle Grinder 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 50'.

SAFETY INFORMATION



INJURY WARNINGS



- Wear approved eye protection at all times when operating the tool for protection from possible ejected particles, shards and sparks created from grinding, brushing or sanding.
- Certain grinding operations can emit excessive noise. Wear appropriate hearing protection while using.
- 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** unplug machine from electrical supply when changing pads or disks to prevent accidental tool starting and potential injury.
- **WARNING** This tool is powerful and generates considerable torque while operating. Always handle with two hands and exercise great caution while operating.
- Do not force tool while grinding or cleaning as the tool body can suddenly kick back or twist causing severe hand or wrist injury. Sanding disks or cleaning wheels can also be damaged by excessive side force causing them to disintegrate and eject pieces at high velocity.
- **ONLY USE** replacement grinding wheels or sanding discs rated for 10,000 RPM or greater use, otherwise serious injury or death can result in the event of failure.
- Always make sure the work piece being ground/cleaned/sanded is securely clamped or anchored to allow two handed operation of the tool.

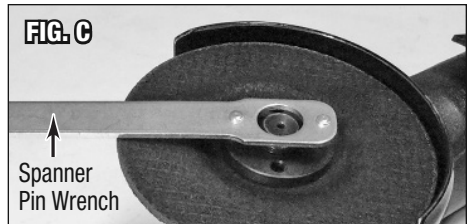
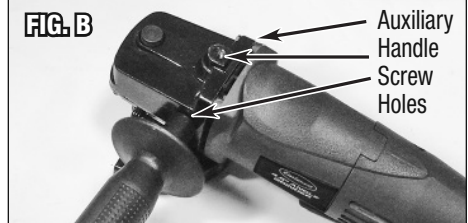
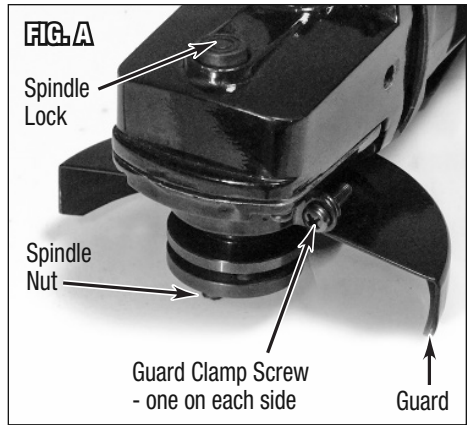


HEALTH WARNINGS

- Fine dust is produced during the grinding/cleaning/sanding process and may contain hazardous materials such as lead, cadmium, solvents, etc. Wear NIOSH approved respiratory protection while using.

GRINDER SET-UP

- Thread the Auxiliary Handle into one of the threaded holes in the Angle Grinder Head. Hand-tighten securely. **(NOTE: Attach to left side of head for right-handed users and to right side of head for left-handed users.)**
- Be sure the grinder is unplugged. Remove the Spindle Nut. Place Grinding Wheel onto the spindle. Thread the Spindle Nut onto the Spindle, and while depressing the Spindle Lock Button on the top of the Grinder Head, tighten the Spindle Nut securely, using the Spanner Pin Wrench (included).
- Plug into a minimum 15 amp circuit. If using an extension cord, it must be AWG 16 or greater, no longer than 50'.



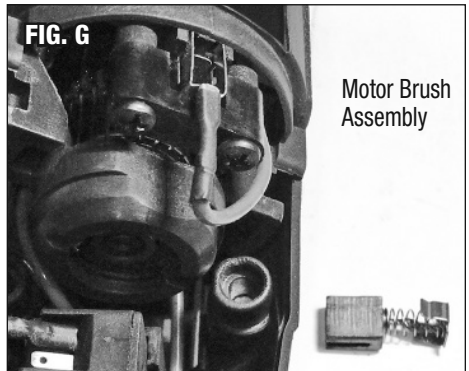
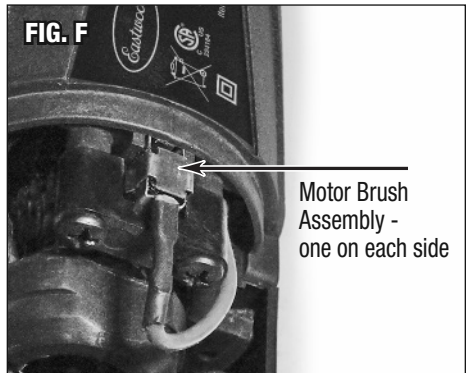
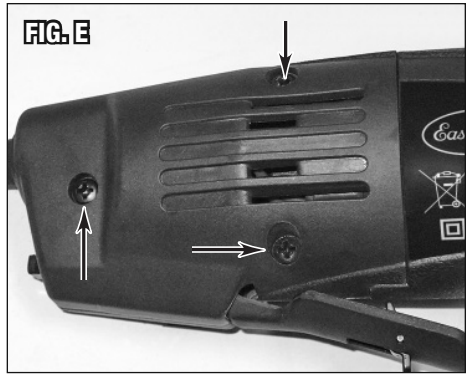
GENERAL USE OF ANGLE GRINDER

- While holding the Angle Grinder securely, pull back on the Trigger Safety and depress the Trigger Paddle.
- For extended use, you can lock the Trigger Paddle in the On position. To lock the Trigger Paddle in the On position, depress the Paddle Trigger fully then push in the Trigger Lock Button located behind the Trigger Paddle, just below the Power Cord Inlet. Fully depress and release the Trigger Paddle to disengage the Trigger Paddle Lock.



BRUSH REPLACEMENT

- If motor fails to start as trigger is depressed after extensive use, the Motor Brushes likely need to be replaced.
- Remove the three screws retaining the two halves of the Angle Grinder Rear Housing.
- Remove the Motor Brush Assembly from socket. Using a small screwdriver, carefully lift the Motor Brush Assembly from its socket.
- Inspect Brushes. **NOTE:** (Brushes are considered worn if less than 1/8" of carbon is remaining)
- Replace the Motor Brush Assembly. (Note: The carbon contact goes in first and is keyed to the rectangular socket.)
- Replace Angle Grinder Rear Housing and tighten fasteners.



OPTIONAL ITEMS

- #31112** 4-1/2" Cleaning / Stripping Disc System
- #31073** Backing Pad 4-1/2", 5/8"x11 Shaft
- #31094** Cleaning Disc, 4-1/2", Produces 80 Grit Finish
- #31086** Stripping Disc, 4-1/2", Produces 320 Grit Finish
- #13199** Bristle Disc, 4-1/2", White, 120 Grit
- #13198** Bristle Disc, 4-1/2", Yellow, 80 Grit
- #31128** Bristle Disc, 4-1/2", Green, 50 Grit
- #31228** Bristle Disc, 4-1/2" Set. 3 Discs: 50, 80, 120 Grit
- #11948** Flap Disc, 4-1/2", Zirconia 80 Grit
- #11947** Flap Disc, 4-1/2", Zirconia 60 Grit
- #12036** Flap Disc, 4-1/2", Zirconia 40 Grit
- #19057** Flap Disc, 4-1/2" Set. 1 Each 40, 60, & 80 Grit
- #13395** Poly-X, Paint & Rust Removal Disc, 4", Cup Style

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
PDF version of this manual is available online >> eastwood.com/20286manual

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