

*Eastwood*

DO THE JOB RIGHT.

Item #30247

# BUFFER/POLISHER

## INSTRUCTIONS



# SAFETY INFORMATION



## READ INSTRUCTIONS!

Thoroughly read and understand manual before using the Buffer/Polisher.  
Save for future reference.



## ELECTRICAL HAZARDS!

- Never operate or store Buffer/Polisher 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'.



## 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.
- Certain sanding 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 discs 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 buffing, cleaning or sanding as the tool body can suddenly kick back or twist causing severe hand or wrist injury. Sanding discs or cleaning wheels can also be damaged by excessive side force causing them to disintegrate and eject pieces at high velocity.
- ONLY USE replacement backing pads, buff pads, cleaning or sanding discs rated for 3000 RPM or greater use otherwise serious injury or death can result in the event of failure.
- Always make sure the workpiece being buffed/cleaned/sanded is securely clamped or anchored to allow two handed operation of the tool.



## HEALTH HAZARDS!

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

The **Eastwood Buffer/Polisher** is built to high quality standards to provide long life and smooth operation to serve the demands of the avid hobbyist and seasoned professional.

Eastwood Buffer/Polisher features a soft-start trigger response to minimize polish spatter, and an accurate, variable electronic speed control helps avoid paint surface damage or burn-through. The standard 5/8"-11 spindle thread accepts all 4" to 9" accessory pads with 5/8"-11 threads.

## SPECIFICATIONS

- RPM: 3000 maximum free speed
- Power Requirements: 120 Volts AC, 60Hz, 11 Amps
- Spindle Size: 5/8"-11 Male Thread
- Replacement thread-on arbor size: 5/8"-11 Female Thread
- 4" to 9" diameter accessories, 3000 RPM minimum rating
- Variable speed ball bearing motor
- Steel spur gear set with hardened ball bearings
- Soft-Start motor

## INCLUDES

- |                                      |  |
|--------------------------------------|--|
| (1) Buffer/Polisher                  | (1) 6-1/2" Hook & Loop-Faced Backing Pad     |
| (1) Auxiliary Handle                 | (1) 6-1/2" Hook & Loop Foam Polishing Pad    |
| (1) 6-1/2" Cotton Buffing Bonnet     | (1) 6-1/2" P80 Grit Hook & Loop Sanding Disc |
| (1) 6-1/2" Microfiber Buffing Bonnet | (2) Set of Extra Motor Brushes               |



# BUFFER/POLISHER SET-UP

- Thread the Auxiliary Handle into threaded holes in the side of the Buffer 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 buffer is unplugged. Thread the Backing Pad onto the spindle and, while depressing the Spindle Lock Button on the top of the Buffer Head, hand-tighten the Backing Pad securely.
- Apply the appropriate pad for the job.
- Plug into a minimum 15 amp circuit. If using an extension cord, it must be AWG 16 or greater, no longer than 25'.

## GENERAL USE OF BUFFER/POLISHER

- Set the Speed Control on the desired speed. (See charts in appropriate sections).
- While holding the Buffer/Polisher securely in two hands, depress the On-Off switch with forefinger. **IMPORTANT NOTE:** The built-in Soft-Start feature will cause a slight delay in motor starting and gradually increase in speed. This feature is designed to minimize splattering and flinging of polishing compound.
- For extended use, lock the On-Off switch in the On position. To lock the On-Off switch in the On position, depress the On-Off switch fully then push in the Lock Button located above the Switch on the left side of the Handle. To release lock, depress the On-Off switch.

### BUFFING/POLISHING

- The ability to successfully buff out a paint finish requires a learning curve to properly master that once learned, is a highly satisfying and valuable skill to have. It is best to practice first on old body panels acquired from a salvage yard before attempting to buff out a finish you care about.
- Wash vehicle thoroughly with a good quality car wash solution and a firm sponge. Be sure to remove any tar, bug or tree residue.
- Gently, dry the surface with a soft, lint free microfiber towel.
- Cleaning all painted surfaces to be buffed with a clay bar is recommended. Follow all package instructions carefully for proper clay bar use.

- Mask all windows, wheels and any black painted areas or plastic trim pieces using plastic sheeting and masking tape. **NOTE:** Flat or matte painted surfaces, vinyl graphics and plastic trim can be white-stained from the compound & polish.
- Carefully and fully read all labels of Compound and Polishes before beginning any work or irreversible finish damage can result.
- The use of Foam polishing pads is strongly recommended, as they resist paint-burning heat buildup. The use of Wool pads is not recommended for beginners as they can quickly generate a high level of heat and burn through paint.
- Always maintain lower machine speed levels to avoid generating excessive heat and paint damage.
- Determine the paint condition or level of damage to be restored. **NOTE:** Always start with the mildest pad and polish combination that will do the job and work toward the next mildest combination to achieve the best results with minimum work. The chart below will help determine the proper product combination for specific paint conditions.

Paint Condition	Product Recommendations & Machine Speed
<ul style="list-style-type: none"> <li>- Deeper scratches in clear coat</li> <li>- Mild abrasions (not through clear coat or to primer)</li> <li>- Acid rain or chemical etching</li> <li>- Bird dropping stains</li> <li>- Paint overspray</li> <li>- Weathering dullness</li> <li>- Light orange peel</li> <li>- Follow-up to wet-sanding</li> </ul>	Foam Cutting Pads and heavier Cutting Compound 1400 to 1500 RPM (3 on Eastwood Buffer Dial)
<ul style="list-style-type: none"> <li>- Follow-up for Cutting Pad &amp; compound swirls</li> <li>- Minor clear coat scratches &amp; abrasions</li> <li>- Water spots</li> <li>- Surface haze</li> <li>- Minor staining</li> </ul>	Foam Polishing Pads and lighter Polishing Compound 1200 to 1400 RPM (2 to 3 on Eastwood Buffer Dial)
<ul style="list-style-type: none"> <li>- Swirl Removing</li> <li>- Wax/Polish Application</li> </ul>	Mild Foam Finessing Pads and Abrasive-free Wax or Polish 1000 to 1100 RPM (2 on Eastwood Buffer Dial)

- Never push down or apply pressure to the Buffer while running. Let the spinning pad do the work.
- When Buffing, work only within the 12:00 to 3:00 quadrant of the pad (when viewed from above) and keep the pad tilted at a 10°-15° angle in relation to the work surface.
- Apply a several inch long bead of polishing compound to work surface or to face of pad.  
**NOTE:** Be sure to follow the buffing compound manufacturer's bottle instructions carefully!  
With the switch off, spread the compound around the work surface with the pad.
- Try (if possible) to work in a 2' x 1' area and move in long, overlapping rows. Never stop the machine in one spot or pad overheating could occur, resulting in paint damage.
- Generally, when the compound dries and disappears, stop the machine, wipe the residue off with a clean microfiber cloth and check your progress. Be sure to follow the buffing compound manufacturer's bottle instructions.

### SANDING/CLEANING

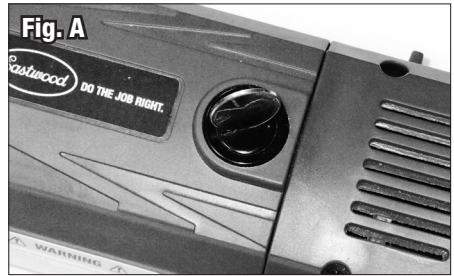
Set the Speed Control on the desired speed. The chart below will help determine the best setting for general conditions. Individual requirements may vary.

Work Surface	Abrasive/Cleaning Disc Recommendations & Machine Speed
<ul style="list-style-type: none"> <li>- Removing moderate rust</li> <li>- Removing old paint finish</li> <li>- Rough shaping body filler</li> </ul>	P40 to P240 Grit 2400 to 3000 RPM (5-6 on Eastwood Buffer Dial)
<ul style="list-style-type: none"> <li>- Removing light surface rust.</li> <li>- Removing old paint finish</li> <li>- Finish shaping body filler</li> </ul>	P320 to P600 Grit 1900 to 2400 RPM (4-5 on Eastwood Buffer Dial)

# BRUSH REPLACEMENT

If motor fails to start as trigger is depressed after extensive Buffer use, the Motor Brushes likely are worn and need to be replaced.

1. Remove the Brush Caps (one each side) with a suitable tool (Fig. A).  
**NOTE:** A penny works well.
2. Pull Brush from socket (Fig. B).
3. Inspect Brush (Fig. C). **NOTE:** Brushes are considered worn if less than 1/8" of carbon is remaining.
4. Replace with new brushes (included).  
**NOTE:** The carbon contact goes in first and is keyed to the rectangular socket.
5. Replace Brush Caps and tighten.



# ADDITIONAL ITEMS

- #51561Z 6" Complete Liquid Ice Finishing System
- #15019Z Eastwood Color Sanding, Cutting & Buffing Kit
- #12018 Norton Liquid Ice, 3 Pad Kit with Backing Plate
- #11849 7-1/2" Convex Variable Contact Foam Pad Kit

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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: [techelp@eastwood.com](mailto:techelp@eastwood.com)

PDF version of this manual is available online >> [eastwood.com/30247manual](http://eastwood.com/30247manual)

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