

Eastwood

DO THE JOB RIGHT.

Part #12526

DEEP SCRATCH REMOVAL KIT

INSTRUCTIONS



The **EASTWOOD DEEP SCRATCH REMOVAL KIT** for glass includes the same high quality, professional abrasives and materials used by glass restoration shops to work out scratches and other damage. This procedure is highly labor intensive and does require a significant amount of time and patience to achieve results which, when done properly, can be highly satisfactory. Works well on laminated or tempered glass.

NOTE: This kit will not repair heavily pitted or excessively deep scratches in glass. Attempts to do so will remove uneven amounts of glass, causing waves and optical distortion.

SAFETY INFORMATION



Read and understand all instructions thoroughly.



⚠ WARNING WARNING! HEALTH HAZARD!



- **DO NOT** breathe any dust released from handling and mixing or spray mist produced by this product. **IMPORTANT!** A large amount of silica dust and slurry is generated by this procedure. Inhalation of silica dust can cause nose and throat irritation. Repeated exposure to silica dust can result in lung inflammation and silicosis, a serious and permanent lung disease. Persons with impaired lung function or asthma type conditions may experience additional breathing difficulties as a result of the irritant properties of the compound.
- Always wear appropriately rated and fitting NIOSH approved breathing apparatus while mixing, during use and while cleaning up.
- Wear appropriate eye protection when mixing and handling to avoid the possibility of any dust or mixed product splashing into eyes.
- Wear chemical and solvent resistant gloves while handling product before, during and after application.
- Wear protective clothing to avoid any possible skin contact with product.



⚠ CAUTION CAUTION!

- Store in a cool, dry area. Dispose of unused amounts and empty containers at an approved hazardous waste disposal facility only.
- If product is spilled, contain material with inert absorbent and dispose of at an approved hazardous waste disposal facility only.
- Do not use on cold glass (less than 32°F).
- **Do not exceed 1500 RPM!** Exceeding 1500 RPM and applying excessive pressure can create heat which will permanently damage, distort and/or crack the glass.
- Keep the work surface wet at all times while polishing to avoid heat which will permanently damage, distort and/or crack the glass.
- This process creates a large amount of wet slurry and spatter. It will cause a mess. Use drop cloths, heavy blankets or other suitable material to protect vehicle paint, trim and adjacent work areas from spatter.
- If spatter should contact paint finish, Do Not let it dry but carefully wash it off with large amounts of water. Do Not attempt to wipe it away or scratching will occur.

INCLUDES

- (1) 1/2 lb. jar of Glass Polishing Compound.
- (1) 3" Hook and Loop Backing Pad with 5/8"-11 female thread.
- (1) 3" Smooth-Faced, Pressure-Sensitive type Backing Pad with 5/8"-11 female thread.
- (1) 5/8"-11 male thread x 1/4" shank adapter spindle for drill chuck use.
- (1) Hook and Loop backed Felt Glass Polishing Pad.
- 1 each of 3 Glass Scratch Removal Abrasive Discs: 1 Coarse (Green), 1 Medium (Blue), 1 Fine (Orange).



ITEMS REQUIRED

- A cordless or pneumatic power tool capable of at least 600 RPM but **no greater** than 1500 RPM. **NOTE:** A pneumatic or cordless electric tool is strongly recommended to avoid electrical shock as this process requires the use of water. (Be sure to adhere to tool manufacturer's use and safety instructions).
- A properly fitted Respirator Mask such as Eastwood #11456 or equivalent.
- Eye protection. Eastwood #43090 Safety Goggles or equivalent.
- Hand Protection such as Eastwood #43098 disposable gloves or equivalent.
- Source of slow-running fresh water or a pump spray bottle.
- Non-permanent marker, grease pencil, crayon or tape.
- Plastic drop-cloth or other material to protect the vehicle and surrounding areas from spatter.

SCRATCH REMOVAL PROCESS

1. Using a non-permanent marker, crayon, grease pencil or masking tape, trace an outline of the area to be repaired on the inside of the glass.
2. Remove any trim, wipers or accessories that may be required to gain access to the entire damaged area.
3. The spatter and slurry from this process is highly abrasive. Be sure to cover and protect all paint and trim areas thoroughly before beginning.
4. Assess the depth of scratch. **IMPORTANT NOTE:** Use of the Coarse (Green) and Medium (Blue) Abrasive Discs can cause waves and permanent damage of the glass surface!
5. Always use the mildest abrasive disc that you feel will remove the scratch. Be aware that it is very difficult to avoid creating waves in the glass when using the Coarse (Green) Abrasive Disc. If the damage is severe and the Coarse disc is needed, keep it completely flat against the surface at all times and use plenty of water keeping the pad and glass wet.
6. If using a machine with a 5/8"-11 threaded shaft, thread the Smooth-Faced backing pad directly on the shaft. If using a cordless drill, thread the adapter spindle into the 3" backing pad then insert the 1/4" shank into the chuck and tighten.
7. Peel the protective paper from the back of the Abrasive Disc and while taking care to center the disc on the face of the 3" backing pad, press it in place.
8. Wet the glass surface with water.
9. Work the abrasive evenly in overlapping passes across the damaged area, with a steady light pressure, keeping the disc as flat against the glass surface as possible. Try to keep the working area as localized as possible. This will minimize the work required to remove the "frosted" appearance of the repaired area. **IMPORTANT NOTE:** Do not be alarmed as the "frosted" appearance will diminish as you progress to finer abrasives finally restoring full clarity once the glass polishing step is completed.

10. Keep the surface wet as you recondition the glass using a pump spray bottle or slowly running hose. Allowing the glass and abrasive disc to become dry will quickly create heat and permanently damage the glass.
11. Stop work often, dry the glass with CLEAN towels to check your progress, re-wet and continue.
12. These steps should be repeated often for best results.
13. Once the initial damage is satisfactorily removed, proceed to "Polishing Glass" to restore the glass to like new clarity.

POLISHING GLASS

1. Using a non-permanent marker, crayon, grease pencil or masking tape, trace an outline of the area to be repaired on the inside of the glass.
2. The spatter and slurry from this process is highly abrasive. Be sure to cover and protect all paint and trim areas thoroughly before beginning.
3. If using a machine with a 5/8"-11 threaded shaft, thread the 3" Hook and Loop backing pad directly on the shaft. If using a cordless drill, thread the adapter spindle into the 3" backing pad then insert the 1/4" shank into the chuck and tighten.
4. Taking care to center the disc on the face of the 3" Hook and Lop backing pad, press the felt pad in place on the Backing Pad.
5. Place the felt pad face down in 1/4" of clean water and let it soak for several minutes allowing it to soften.
6. Begin with a clean container; mix the Glass Polishing Compound with water to create a toothpaste-like consistency. **NOTE:** It is extremely important to maintain cleanliness throughout the entire process as any foreign material can quickly cause scratches on the glass.
7. Pre-wet the glass surface and apply a small amount of the compound directly to the surface. Using an even, steady motion and while keeping the pad surface flat against the surface; work the polishing pad over the area keeping the pad speed between 600 RPM and 1500 RPM.
8. **CAUTION:** exceeding 1500 RPM and excessive pressure can generate heat and permanently damage the glass.
9. Apply water frequently to keep the compound wet and avoid heat buildup which can permanently cause damage to the glass. For best results, use the compound sparingly...more is not better.
10. The best results are achieved by repeating: Polish area, clean and dry surface, polish again, clean and dry again until the glass is satisfactorily clear.
11. After the glass is polished to like new clarity, wash the surface and surrounding areas with a sponge and clean water.
12. Remove the previously applied outline from the inside of the glass.
13. Wash the polishing pad thoroughly and when dry, put it back into the plastic bag to keep clean for future use.

REPLACEMENT ITEMS

- #12540** Glass Felt Polishing Wheel and Spindle Kit #12540.
- #12539** 3 Pack of abrasive discs (1 Coarse, 1 Medium, 1 Fine).

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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

PDF version of this manual is available online >> eastwood.com/12526manual

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