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# DON'T LET A FEW SCRATCHES GROUND YOU

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**EZ** ★ MILITARY  
**CLEAR.**

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## ACRYLIC RESTORATION OVERVIEW GUIDE

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FOR NON-COATED ACRYLIC AIRCRAFT  
WINDOWS WITH HAZING, SCRATCHES,  
DAMAGE FROM AIRBORNE ABRASIVES,  
OR SURFACE IMPERFECTIONS.

P/N: A1002-1

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# GETTING TO KNOW EZCLEAR®



## CLEAN

Use EZCLEAR® Acrylic Cleaner, Microfiber Towels and Polishing Cloths to gently clean aviation acrylic and glass surfaces. The cleaner is anti-static and ammonia-free.



## POLISH & RESTORE

Use EZCLEAR® polishing and restoration products to remove major, minor or light surface damage from non-coated, acrylic aircraft windows.

## TOOLS

The EZCLEAR Acrylic Restoration process utilizes tools for best results.



## HEAVY-DUTY VARIABLE SPEED POLISHER

Use this tool to complete the majority of window restorations.



## BATTERY OPERATED RIGHT ANGLE DRILL

Use this tool, along with an EZCLEAR® Spindle Adapter, to complete mobile and quick window restorations.

# BEFORE YOU BEGIN



Remove watch, rings, turn belt buckle around to back and wear safety glasses for protection.



Clean surface with EZCLEAR® Acrylic Cleaner and a microfiber towel.



Assess locations of major damage (felt by fingernail) circle locations on opposite side of surface with grease pencil to provide reference.



Tape around surface to protect surrounding area, avoid paint removal and unnecessary cleanup.



Set RPMs to 1400. Do not exceed 1400 RPM.



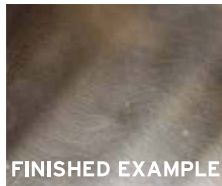
# ACRYLIC RESTORATION

Use pictured restoration items and procedure below to complete the EZCLEAR process.

- 01
- 02
- 03

- REMOVES MAJOR DAMAGE
- REMOVES MINOR DAMAGE
- RESTORES CLARITY

## STEP 01 MAJOR RESTORATION



**DURATION:** Expect to spend the most time with this step. Use each pack for up to 10 minutes then discard. Repeat until scratches/pits are not visible and no distortion remains when viewed at an angle. Surface will look hazy with circular marks.

## STEP 02 MINOR RESTORATION



**DURATION:** Use approximately 3 minutes per square foot, until uniform haze remains. Damage should be removed and swirls from Major Restoration step should be gone.

## STEP 03 FINISHING RESTORATION



**DURATION:** Use approximately 2 minutes per square foot, until clarity is restored and no haze remains.

## PROCEDURE



Ensure RPMs are set to 1400.



Attach backing plate to tool.  
**MAJOR:** Either curved or flat surface backing plate from Major Restoration Starter Kit.  
**MINOR & FINISHING:** Select either 3" or 6" size backing plate.



Center and velcro restoration disc or pad to back plate. Re-center if disc/pad spins unevenly.



Dispense polish to disc/pad.  
**MAJOR:** Dispense entire syringe to disc.  
**MINOR & FINISHING:** SHAKE BOTTLE FIRST, then dispense quarter-sized amount (10cc) of polish to pad.



Compress disc/pad against surface and work polish into disc/pad to minimize overspray.



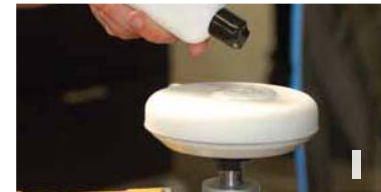
Slowly activate tool and maintain medium contact pressure between disc/pad and contour of surface.



Polish the entire surface (including all edges and corners) with complete "Restoration Pass Sequences" to avoid distortion. A complete Restoration Pass Sequence equals:  
a) Buff left-to-right over the entire surface  
b) Buff top-to-bottom over the entire surface  
c) Buff diagonally over the entire surface



Reduce pressure when polish begins to dry and add Hydration Spray (2-3 sprays or more as needed).  
**WARNING!** DO NOT STOP IN ONE AREA AS THE HEAT CREATED MAY DAMAGE THE SURFACE.



Re-apply Polish.  
**MAJOR:** Use new disc/syringe every 10 minutes.  
**MINOR & FINISHING:** Re-apply every 6-10 minutes.



Once damage has been removed, clean the surface and surrounding tape with EZCLEAR® Acrylic Cleaner and an EZCLEAR® Microfiber Towel.  
**WARNING!** REMOVE ALL GRIT. TRANSFERRING POLISHES BETWEEN STEPS WILL CAUSE ADDITIONAL SCRATCHING TO SURFACE.



## **CLEANUP & STORAGE**

- A:** Dispose used Major Restoration Packs.
- B:** Rinse Minor & Finishing pads thoroughly in water. Ensure pads are completely dry before returning them to their correct re-sealable pack.
- C:** Replace kit items as you found them.
- D:** Keep all EZCLEAR® polishes in tightly closed containers.
- E:** Store in a cool, dry, well ventilated area at temperatures ranging from approximately 40°F - 85°F.

**NEED TECHNICAL SUPPORT? REFER TO THE EZCLEAR INSTRUCTION MANUAL, AVAILABLE IN YOUR KIT OR ONLINE AT [WWW.EZCLEAR.US](http://WWW.EZCLEAR.US) OR CALL 650.367.7075.**

**WARNING! MAY CAUSE EYE IRRITATION. WEAR SAFETY EYEWEAR. KEEP OUT OF REACH OF CHILDREN. DO NOT APPLY ON COATED SURFACES.**