

Advanced Technique



CAUTION! Always wear safety glasses, ear protection, and a dust mask while polishing glass.

STEP 1: Prepare the equipment

1. Practice basic technique before beginning this process.
2. Prepare the water feed system using steps 1-3 on page 3. (PHOTO A)
3. Attach the backer pad by screwing it into the nozzle of the Gforce Max. (PHOTO B) Identify the correct backer pad size using the disk size chart on page 2.
4. Select the Microforce disks using the disk grit chart on page 4 and the damage guide on page 2. Set disks aside.
5. Draw a box around the damage on the opposite side of the glass with a dry-erase marker.
6. Attach the splash guard to the glass. Center it over the damage.

STEP 2: Remove the damage

7. Attach the phase 1 Microforce disk to the backer pad. (PHOTO C)
8. Saturate the disk by pressing the water feed button while covering the disk with your hand.
9. Press the disk flat on the glass. Keep it flat throughout the scratch removal process.
10. Press the trigger and use light pressure while moving the Gforce Max briskly back and forth over the damage. (PHOTO D)
11. Press the water feed button whenever the disk dries out.
12. Continue until the initial damage is gone. There should be a hazy, rectangular shape remaining on the glass.
13. Clean the glass with water and paper towels.

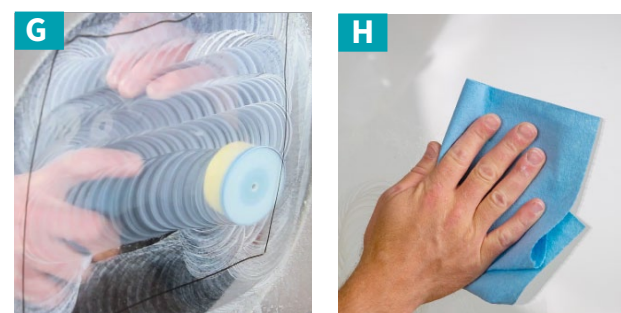
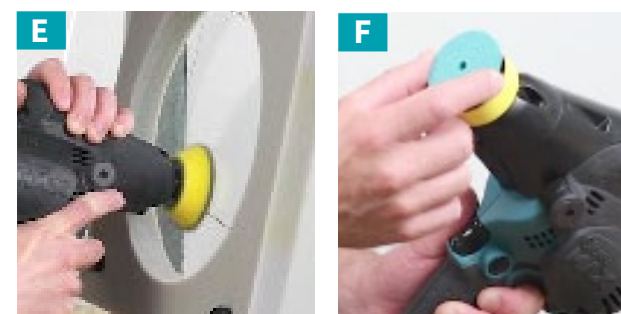
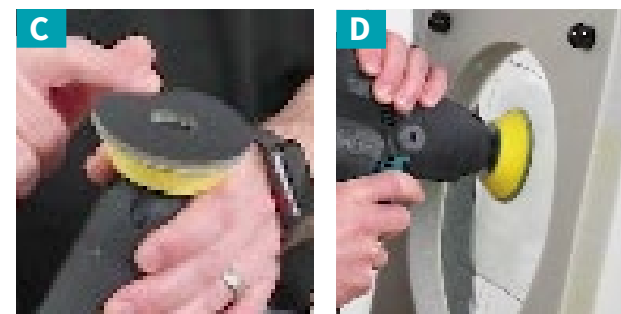
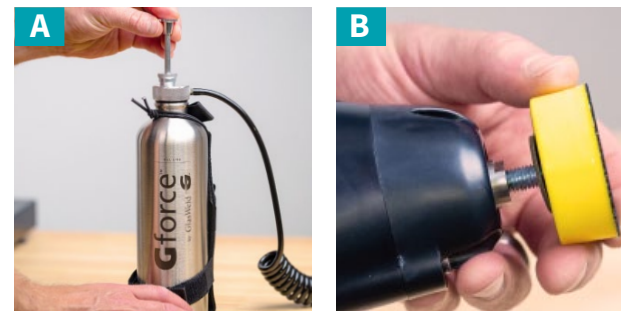
STEP 3: Feather the area

14. Replace the disk with the phase 2 Microforce disk.
15. Feather the edges of the hazy area following steps 8-11. Use light pressure while moving the Gforce Max back and forth. Overlap the edges of the box where the hazy glass meets the clear glass. (PHOTO E)
16. Feather the entire hazy area following steps 8-11. Use light pressure while moving the Gforce Max back and forth over the entire box. Continue until the hazy area becomes more transparent.
17. Clean the glass with water and paper towels.

STEP 4: Clear the glass

18. Replace the disk with the phase 3 polishing disk. (PHOTO F)
19. Apply a thin layer of clearing compound evenly to the disk.
20. Place the disk flat on the glass.
21. Clear the glass following steps 9-11. Use light pressure while moving the Gforce Max back and forth in a uniform pattern over the hazy area. Continue until the area is clear. (PHOTO G)
22. Clean the glass with water and paper towels. (PHOTO H)

DISK GRIT	Phase 1	Phase 2	Phase 3
Medium Damage	360	1000	
Heavy Damage	180	500	



Gforce MAX

Scratch Removal Quick Start Guide



C.R. Laurence Co., Inc.
2503 E. Vernon Ave
Los Angeles, Ca 90058-1826
(323) 588 - 1281

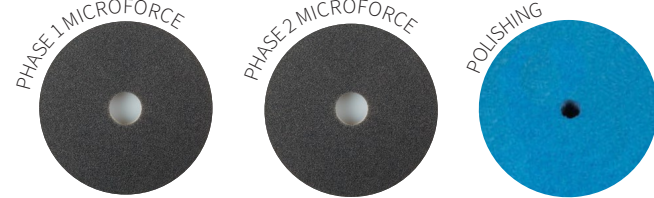
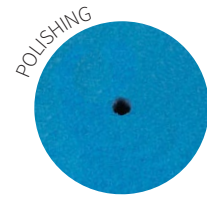
Basic Technique

DISTORTION-FREE

Advanced Technique

MICROABRASIVE

DISKS USED



DISK SIZE

2" Ideal for most light to medium damage.

2" Ideal for logos, tight spots, and edges.

3" Ideal for hard-to-reach areas and mirrors. Also great for removing clusters of scratches.

3" Ideal for most medium to heavy damage. Also great for removing clusters of scratches.

NOTE: Kit contents may vary. Additional supplies available at glasweld.com

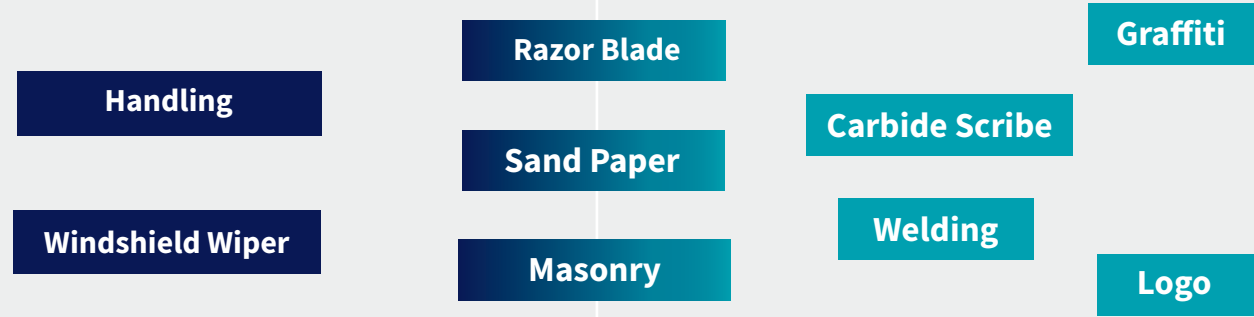
5" Ideal for resurfacing large damaged areas, including graffiti.

LIGHT DAMAGE
Basic Technique



HEAVY DAMAGE
Advanced Technique

DAMAGE GUIDE



TEMPERATURE GUIDE

TYPE OF GLASS	TEMPERATURE	<p>Glass temperature is important for safe, efficient repairs.</p> <ul style="list-style-type: none"> ✓ Raise or lower the temperature by adjusting the pressure applied to the glass. ✓ Run the Gforce Max at full RPM rate to reach the ideal temperature quickly. ✓ When working near an edge, stay at the lower end of the temperature range.
LAMINATED	115-155°F / 46-68°C	
MIRROR		
ANNEALED		
TEMPERED	155-175°F / 68-79°C	

Basic Technique



CAUTION! Always wear safety glasses, ear protection, and a dust mask while polishing glass.

STEP 1: Prepare the equipment

1. Fill water feed bottle to fill line.
2. Connect the water feed tube to the Gforce Max tube by threading the ends together. (PHOTO A)
3. Pressurize the water feed bottle by pumping the handle. Water should flow from the nozzle of the Gforce Max when the water feed button is pressed. (PHOTO B)
4. Attach the backer pad by screwing it in the nozzle of the Gforce Max. (PHOTO C) Identify the correct backer pad size using the disk size chart on page 2.
5. Attach the polishing disk by firmly pressing the hook-and-loop side of the disk to the backer pad.
6. Apply a thin layer of polishing compound evenly to the disk. Scrape off any excess. (PHOTO D)
7. Attach the splash guard to the glass. Center it over the damage.



STEP 2: Remove the damage

8. Grip the Gforce Max with both hands. (PHOTO E)
9. Press the disk flat against the glass. Keep it flat throughout the scratch removal process.
10. Press the trigger and use medium pressure while moving the Gforce Max briskly back and forth over the damage. (PHOTO F)
11. Press the water feed button to release more compound as needed.
12. Periodically check the temperature of the glass with the infrared thermometer. (PHOTO G) Stay within the ideal range using the temperature guide on page 2.
13. Brush the disk and reapply compound when the disk stops releasing sufficient compound.
14. Continue steps 9-13 until the damage is gone.
15. Clean the glass with water and paper towels. (PHOTO H)

