

PROFESSIONAL WINDSHIELD REPAIR KIT

NEW!



PROFESSIONAL WINDSHIELD REPAIR KIT



Features

- Double-sided case holds all tools, equipment and supplies
- Easy plunger automatic injector system
- Bridge assembly adjusts vertically and horizontally
- Special vacuum cup keeps the injector tightly fitted to the glass
- Includes training video
- One-shot repair resins
- Each kit is ready to make 20 repairs

Description	Art. #
Windshield Repair Kit	19645005
Premium Windshield Repair Kit (shown above)	19645006

Replacement Items	
Description	Art. #
Ultra Violet 12V. Lamp	0891634430
Cleaning Jar - 6 oz	0891634435
Dust Blower	0891634436
Chip Savers - 100 Pack	0891634437
Bridge Assmembly Complete	0891634450
Inspection Mirror	071535795
Injector Seals - 5 Pack	0891634438
Scribe Steel Point	071470150
Curing Tabs - 100 Pack	0891634423
Nylon Stick	0891634431
Centering Tool	0891634441
Ultra Violet Shield	0891634440

Replacement Chemicals	
Description	Art. #
Windshield Repair Resin (one shot) - 5 pack	0891634420
Premium Pit Resin	0891634422
Premium Pit Polish	08930000

Suitable for

- Laminated automotive glass
- Vertical repairs
- Edge Repair
- Curved glass
- For the repair of bull's-eyes, star breaks, cracks and combination breaks in laminated automotive glass

Uses

- Buses
- Trucks
- Automotive
- Fleet Vehicles
- Commercial Applications - Store Front Windows
- Industrial Doorways

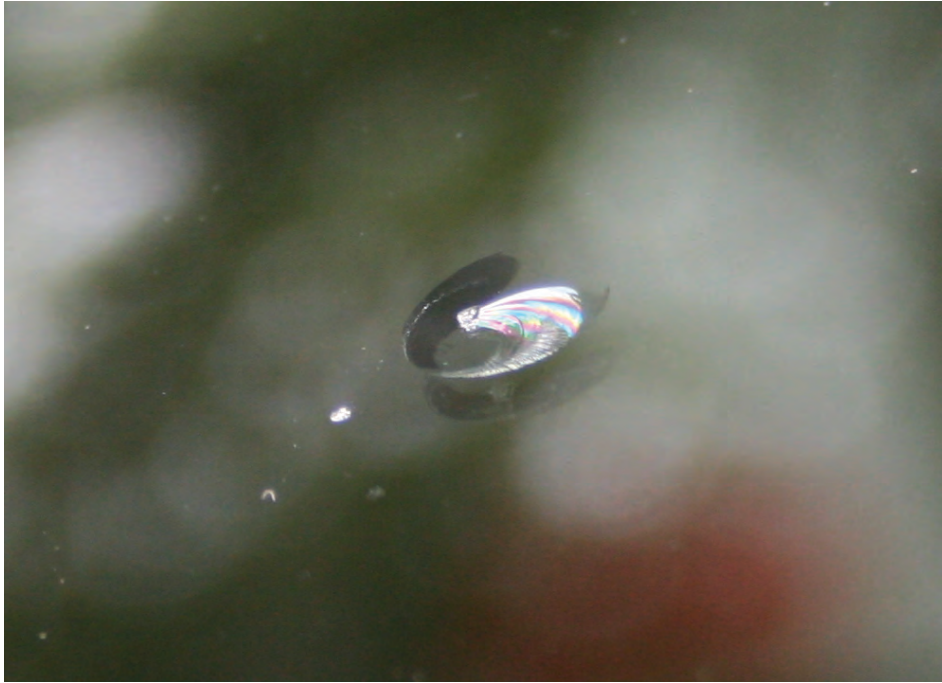
BEFORE



AFTER



HOW TO...



1. Inspect the break

Glass temperature must be between +70°F and + 100°F



2. The inspection mirror magnifies the break 3x.



3. Clean the impact point or pit with a steel probe. This dislodges any loose glass particles.



4. Blow any dust particles free to insure the pit is clean.



5. Ensure that the bridge is centered in the adjusting slot. Back off the leveling screws and injector barrel so the bridge firmly affixes to the windshield without interference.



6. Push the flip lever down to lock the bridge in place. Center the injector barrel over the pit. Make any adjustments necessary by loosening the adjusting nut.



< 7. Screw down the leveling screws until they just touch the glass.

> 8. Screw down the injector barrel until it just touches the glass. Advance the leveling screws 2 full turns. Then advance the injector barrel 1/2 turn more. Remove injection plunger from tube.





9. Load the injector with 1 syringe of fill resin.



10. Make sure you get the resin to the bottom of the injector barrel. The white end seal must be filled with resin for a successful repair.



11. Put the injector plunger in the vacuum position. Pull back on the knob, rotate 1/4 turn clockwise, and lock in place. Ensure that the piston is retracted.



12. Screw injector plunger until it stops. DO NOT over tighten.



13. Begin your first pressure cycle. Hold barrel with off hand, pull back on plunger with other hand, rotate 1/4 turn clockwise, and gently lower into place.

Basic Cycles to Complete a Repair

1. First pressure cycle: 5 minutes
2. First vacuum cycle: 30 seconds
3. Second pressure cycle: 2 minutes
4. Second vacuum cycle: 30 seconds
5. Third pressure cycle: 2 minutes

Always end on a pressure cycle.

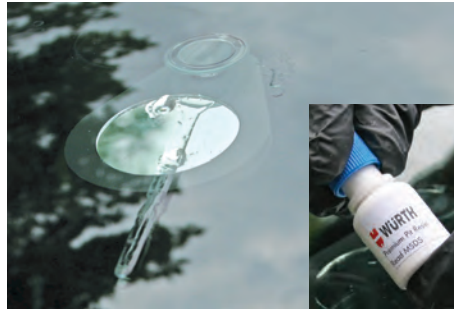
Most repairs will require between 2 and 4 total cycles to remove all air. The process is completed when no air remains in the break.

14. Apply a slight amount of pressure to the injector plunger. The plunger should not move more than 1/16" down. **DO NOT bottom out the plunger as this could crack the windshield.** Leave in first pressure cycle for 5 minutes.

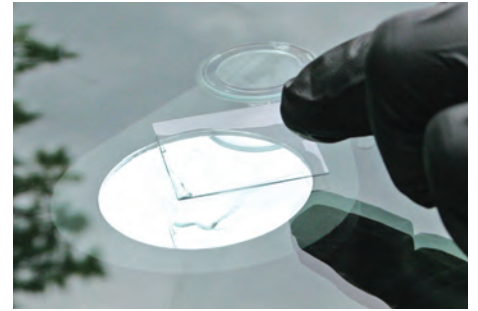
15. First 30 second vacuum cycle. Hold barrel with off hand, pull back with other hand, rotate 1/4 turn clockwise and lock into place.



16. Flip locking lever up to release vacuum cup. Gently pry vacuum cup from glass to break suction. **DO NOT** pull on bridge as this may damage the vacuum cup and/or windshield.



17. Apply a drop of pit resin just below the pit. Squeeze the resin out slowly and make sure there are no air bubbles. Use a straight pin to pop any air bubbles.



18. Gently lay the curing tab in place. Do not push on the tab as this can force resin out of the pit. The goal is to have a dome of resin over the pit which will be scraped flush.



< 19. Place UV light over break and leave for 5 minutes. Then break suction by gently lifting edges of suction cups. There are small tabs on each suction cup for this purpose.

20. Hold new razor at a 90° angle and scrape resin flush. Use firm, long, fast strokes.

DO NOT stop over the pit area as this can pop the resin cap from the filled pit.



Crack after removal of pit resin and curing tab but before polishing resin



21. Apply a drop of pit polish to shine the finished pit. Use a razor cover to polish the pit. You may also use a rag, towel or cork to polish the pit.
Wipe clean.



22. The finished repair is flush and has no air remaining in the break. A repaired chip will not disappear but will leave a small scar.

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