

3M™ Windshield Repair Kit (PN 08580) professionally repairs small bulls-eye, spider web and star damage on windshields.

About Windshield Repair:

- This kit is designed to provide vehicle owners the necessary information and tools to repair small damages in laminated automotive glass windshields.
- The National Glass Association (NGA) and the American National Standard Institute (ANSI) have jointly worked to develop an approved Repair of Laminated Automotive Glass Standard (ROLAGS). Reference document number ANSI/NGA R1.1-2007 for more information about repairing laminated glass.
- This kit should only be used on bulls-eye, spider web, star damages, and some combination breaks smaller than 1 inch (25 mm) in diameter. This kit will not repair surface pits larger than or cracks longer than 3/16 inch (5 mm).
- If the damage(s) are in the Driver's Primary Viewing Area (DPVA), as described in the ROLAGS, owners should have their windshield inspected by a professional glass repair technician to determine whether the windshield should be repaired or replaced.
- This kit can be used to repair multiple damages.
- The use of this kit may not repair the full optical clarity of the glass.

WARNING! MAY CAUSE ALLERGIC SKIN REACTION.

CONTAINS: 2-Hydroxy-2-Methyl-1-Phenyl-1-Propanone (7473-98-5); 1,6-Hexanediol Diacrylate (13048-33-4).

PRECAUTIONS: Avoid eye contact. Do not get on skin or clothing. Avoid breathing of vapors. Use only with adequate ventilation. Do not swallow. Wash thoroughly after handling. Close container after each use.

KEEP OUT OF REACH OF CHILDREN.

FIRST AID INFORMATION:

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention. **Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse. **Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention. **If Swallowed:** Do not induce vomiting. Get medical attention.

CAUTION

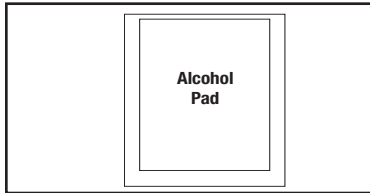
To prevent injury from sharp installation tools

- Use care when handling the sharp scraper blade.
- Never bend the scraper blade or it could break unexpectedly.
- Use care when handling the sharp stick pin.
- Properly dispose of the scraper blade and stick pin in accordance with any local and/or national regulatory requirements.

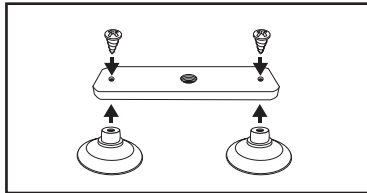
NOTICE: Exerting pressure on the windshield can cause cracks to propagate. DO NOT rest your body weight on the glass.

You Supply: Safety glasses, #2 Phillips head screwdriver, clean paper towels, and rubber gloves capable of providing liquid barrier protection.

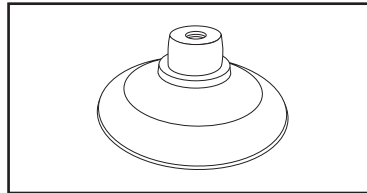
KIT CONTENTS:



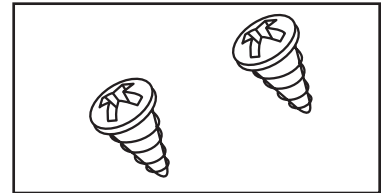
1 alcohol wipe



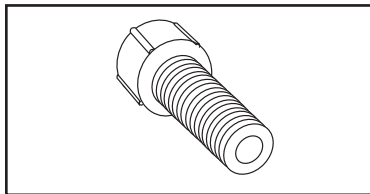
1 bridge assembly



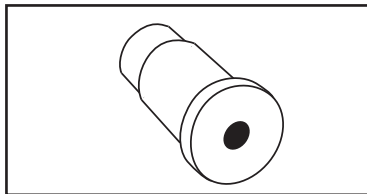
2 suction cups



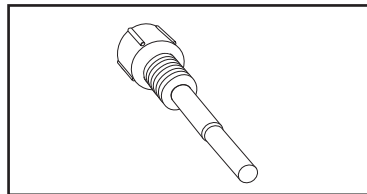
2 phillips head screws



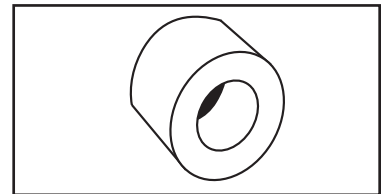
1 resin chamber



1 resin chamber tip



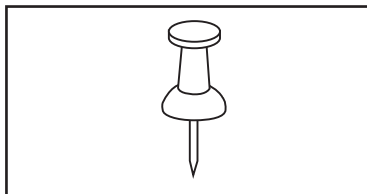
1 injector



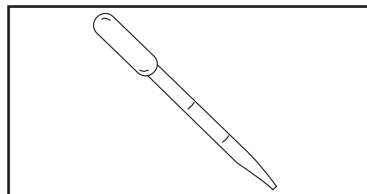
1 injector o-ring



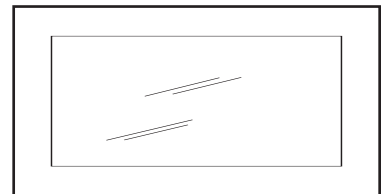
1 bottle glass repair resin



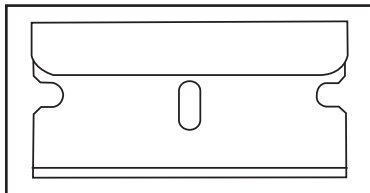
1 stick pin



1 dropper



1 clear plastic film



1 scraping blade

DIRECTIONS FOR USE

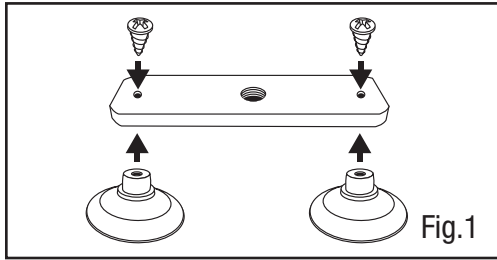
Preparing the Surface:

- As soon as damage occurs, cover area with Scotch® Transparent Tape to keep moisture and dirt from entering the damaged area.
- The damage should be repaired as soon as possible to prevent small cracks from spreading.
- Do not make repairs in direct sunlight.
- Ideal application temperature is 60°F to 90°F (15°C to 32°C). Allow the vehicle sufficient time to acclimate to this temperature if it has been in either a hot or cold environment.
- Surfaces must be clean and dry to make a proper repair.
- Do not allow the resin to come into contact with the car's painted finish, wiper blades, or plastic trim as this may cause damage. Not all damages can be repaired to restore full optical clarity.

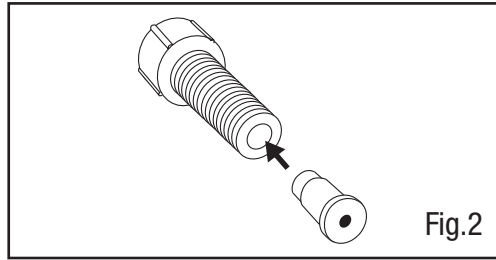
IMPORTANT! To reduce the risk of chemical contact to skin and eyes, always wear safety glasses and gloves when handling this product.

Assembling the Bridge, Resin Chamber, and Injector

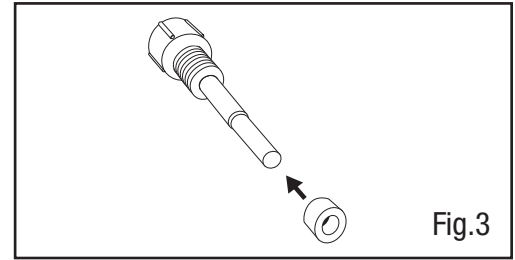
1. Assemble the bridge: One at a time, attach the two suction cups to the bridge assembly with the two Phillips head screws as show in Fig. 1.
2. Assemble the resin chamber: While holding the resin chamber in one hand, insert the resin chamber tip as shown in Fig. 2. Push the tip in until it is fully seated against the shoulder of the resin chamber.
3. Assemble the injector: While holding the injector in one hand, slide the injector o-ring onto the injector as shown in Fig. 3. Push the o-ring onto the injector until it seats against the shoulder at the mid-point.



Bridge Assembly



Resin Chamber Assembly



Injector Assembly

MAKING THE REPAIR

Note: A mirror taped to the inside of the windshield helps correctly place the bridge and resin chamber over the damage.

1. Place a cloth or paper towel near the bottom of the windshield, below the damage. This will catch any resin that might flow from the repair area.
2. Thoroughly clean the outside of the windshield around the damage with the alcohol wipe.
3. Clean or remove any loose pieces of glass from the damaged area with the stick pin provided.
4. Place the bridge on the windshield with the opening for the resin chamber centered directly over the top of damage. Press down on the assembly until a vacuum is created by the suction cups (suction cups will be nearly flat against the windshield).
5. Screw the resin chamber into the bridge until the resin chamber tip lightly touches the surface of the windshield. Make sure that the opening of the resin chamber is centered and covers the damage. If necessary, reposition the bridge to cover the opening.
6. Use the dropper to fill the resin chamber approximately half full with the Glass Repair Resin.
7. Screw the injector into the resin chamber. Repair resin should begin to fill the damaged area as the injector is screwed in.
8. View the repair from inside the vehicle. If the injector has been fully turned in and the damage has not been completely filled, remove the injector and repeat steps 6 & 7.
9. If there is still a pit in the surface of the glass, use the dropper to apply one or two drops of resin into the pit. Place the clear plastic film over the resin-filled pit to hold the resin in place.
10. Once the damage has been filled with repair resin, remove the bridge assembly from the windshield. Wipe off any excess repair resin before curing the repair resin with UV light.
11. Move the vehicle to a brightly sunlit area and allow the entire assembly to sit for at least 30 minutes. Longer periods of time will be required when sunlight is not directly over head, if using on tinted glass, if there are air pollutants, or if it is an overcast or cloudy day. A UV light can be used as an alternative to natural sunlight to cure the resin.
12. After the resin has been fully cured, remove any excess cured adhesive from the surface of the windshield with the scraping blade.
13. Clean the windshield with 3M™ Glass Cleaner (PN 08888) or other automotive glass cleaner.

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Additional Product Safety and Health Information Source:

Material Data Sheet (28-8620-8) or

3M Automotive Aftermarket Division

3M Center/Bldg 223-6N-01

St. Paul, MN 55144-1000

1877-MMM-CARS (666-2277) or 651-737-6501

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60-4550-5474-6



Requester: Correen Rosenberger
Creator: deZinnia
File Name: 34870664892.indd
Structure #: SS-15058
Date: 01/11/11

Printed Colors – Front:



Printed Colors – Back:



Match Colors:

Scale:  1 Inch

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