

Windshield repair

Everyone has had a time when they have been driving down the freeway, minding their own business when...BAM! Something, almost unseen, smacks into your windshield leaving a nice sized chip.

What do you Do? Repair or Replace

Proper windshield repair prevents the damage from getting worse and spreading, while improving the overall appearance.

Windshield repair prevents the damage from getting worse. In some cases, it may look nearly perfect or appear slightly blemished. But in either case, a proper repair prevents the damage from spreading.

How It Is Done

Windshield repair involves injection of a special resin into the damaged area using a tool that attaches directly to the glass. Once injected, this resin is then cured and polished to restore the clarity and strength to the glass.

When a chip or crack occurs, it often spreads into the windshield's inner layer of plastic, which is sandwiched between two layers of glass. In some instances, a drill is used to make a clean passageway to the plastic, where the resin is injected to repair the damage.

Reasons **NOT** to repair a Windshield:

- Damage penetrating both layers of laminated glass
- Damage with three or more extended long cracks
- Damage or crack contaminated by chemicals which inhibit repair
- Damage or crack on the inside layer of glass
- Damage or crack that is dirty
- Damage or crack in a heated wiper rest area
- Damage or crack in a fully heated windshield
- Damage with pit size larger than 3/8 of an inch (9.525 mm.)
- Damage with pit depth to the laminate
- Cracks that run through the acute area of the windshield
- Edge cracks that intersect more than once with an edge
- Stress cracks



carbutler

Did You Know?

Your car windshield is made up of 2 pieces of glass that are separated by a layer of PVB, polyvinyl butyrate. This layer acts as a glue between two of the 2 layers. It is made like this for several reasons: It helps block harmful UV rays, can add tinting, and can reduce the amount of sound that comes through the windshield.

The most beneficial reasons are in the case of an accident:

- 1 It limits the possibility of outside objects coming through the windshield
- 2 It limits the possibility of passengers being ejected through the windshield
- 3 It limits the chance of the windshield shattering into thousands of small pieces.



Windshields provide over 60% of the roof's Structural strength. In a rollover accident, if the windshield doesn't hold, the roof is much more likely to cave in, causing serious Injury or death.

Another really important, but unknown fact is that a car's airbags are designed to deploy against the windshield. However, if the windshield is cracked or chipped there is a chance it will not be able to hold up against the airbag. This could allow for passengers to be ejected from the vehicle and be more likely to be seriously hurt.



carbutler