GM Service Information

WINDSHIELD REPLACEMENT POSITION STATEMENT

February 2025

- **GM does not approve the use of aftermarket or non-Genuine Original Equipment (OE) glass for windshield replacement.**
- **At General Motors (GM), safety is our top priority. Our vehicles, safety systems, and components are designed, engineered, tested, and validated to help ensure protection for vehicle occupants. This includes the careful selection of every part, including the windshield.**

Aftermarket Glass and Safety

Aftermarket glass may have varying material, dimensional, and clarity specifications that do not meet the exact standards designed, engineered, tested, and validated for use with GM vehicles' Advanced Driver Assistance Systems (ADAS).

The structural integrity of a GM vehicle's safety system is highly dependent on maintaining the exact specifications of each component, including the windshield. GM Original Equipment (OE) glass specifically meets the required safety, durability, and performance standards for GM vehicles.

ADAS and Calibration Considerations

Many GM vehicles are equipped with advanced safety systems such as Super Cruise®, Adaptive Cruise Control, Automatic Emergency Braking, and Lane Keep Assist, among others. These systems rely on precise calibration and integration with sensors and cameras embedded in or near the windshield. Replacing the windshield with inferior glass can compromise the performance of these systems, potentially leading to safety risks.

It is critical that a service point calibration/learn is performed whenever a front-view windshield camera or sensor is removed, reinstalled, or replaced, or when the windshield itself is removed and replaced. This helps ensure that the ADAS systems continue to function as designed.

Comfort and Performance

GM Original Equipment windshields are designed with specific features that contribute to both safety and occupant comfort. Many GM windshields include enhanced acoustic dampening technologies to reduce wind, road, and engine noise. Aftermarket windshields may not include these features, which could lead to an increase in noise levels within the cabin. Additionally, GM windshields are designed to filter UV and infrared rays, protecting both vehicle occupants and sensitive interior components from damaging sun exposure.

The materials and construction of GM glass also play a role in maintaining cabin temperature and occupant comfort. Inferior glass may result in increased cabin temperatures, which can degrade the interior environment and increase the load on the vehicle's climate control system.

Testing and Validation

All GM structural and safety testing, including those for roof strength, airbag deployment, and vulnerable road user impacts (such as pedestrian protection), is performed using GM Genuine Parts, including OEM glass. GM does not conduct testing using aftermarket glass, and GM cannot confirm whether any such non-GM parts have been validated for the same level of performance and safety.

Optical Quality and Distortion

The optical quality of GM windshields is tested to meet stringent standards that go beyond the Federal Standard FMVSS205. Using inferior glass may result in increased distortion, impairing the driver’s vision and potentially leading to safety concerns.

Conclusion

The windshield is a critical safety feature in GM vehicles, especially with the increasing role of ADAS technologies. GM Original Equipment glass has been specifically designed, engineered, tested, and validated by GM to meet its exacting standards required for vehicle safety and performance. For the integrity of the vehicle's safety systems, GM strongly recommends the use of GM Genuine Parts (OEM glass) for all windshield replacements.

For the continued safety, comfort, and performance of GM vehicles, we urge all service providers to use only GM Genuine Parts and ensure that proper calibration procedures are followed after windshield replacement.

Safety and Innovation, Always First.