

Glass, Frames and Mechanisms

NOTE: For convertible, the rear quarter glass seal (division bar) is bonded to the glass and cannot be serviced separately.

The glass, frames and mechanisms consist of the:

- door glass.
- heated rear window switch (integral to HVAC module).
- heated window grid wire (if equipped).
- HVAC module.
- rear quarter glass.
- rear window defrost relay.
- rear window glass.
- Smart Junction Box (SJB).
- window control switches.
- window regulators.
- window regulator motors.
- windshield glass

Windshield Glass

The windshield exterior mouldings are installed with the windshield glass. The windshield exterior mouldings cannot be replaced without removal of the windshield.

Window Control Switch

Power windows are standard. The window control switches are available only to the front seat passengers. There are no window control switches for the rear seat passengers. The rear quarter windows (convertible only) are operated by a single switch, located in the driver's door. The rear window switch operates the rear quarter windows in up/down only. The front window control switches use double-detent switches. The first detent is for up/down and the second detent is for one-touch up/down.

Window, One-Touch Up/Down

The window one-touch up/down feature is activated by pulling/pressing the window control switch to the up/down position (second detent). This allows the front door window glass to move upward/downward until it is fully closed/open. A momentary activation of the window control switch, while the window glass is moving upward or downward, stops the front door window glass. The bounce-back feature is incorporated into the one-touch up feature. Bounce-back occurs if the window motor detects an obstruction/foreign material in the window channel. It also occurs if a door window motor initialization is not carried out after repairs or if the door window glass channel needs to be lubricated. The rear quarter windows (convertible only) do not have the one-touch up/down feature.

Window, Short Drop

The window motors monitor their respective door ajar switches. When the window motor senses a door has been opened (by monitoring its door ajar switch), the window motor opens the window slightly to clear the grooved channel weatherstrip. After the door is closed, the window motor senses the closed door (by monitoring its door ajar switch), and the window motor fully closes and seats the window glass into the grooved channel weatherstrip. This function is on both the coupe and the convertible.

Window Glass, Door

The bottom of the door window glass is mounted in 2 window glass clamps which are part of the front door window regulator. Door window glass bolts and spacers provide attachment points for the door window glass and prevent direct contact between the door window glass bolts and the door window glass.

Window Glass, Quarter

The coupe rear quarter window glasses are set in urethane adhesive. The convertible rear quarter window glasses are powered and have a full down sensor incorporated to indicate when the convertible top may operate. Any time the convertible rear quarter window glass is replaced, it must be adjusted.

Window Glass, Rear

The coupe rear window is mounted with urethane adhesive and contain the rear window defrost grid (if equipped). The convertible rear window is sewn into the convertible top and contains the rear window defrost grid (if equipped). The convertible rear window is replaced with a convertible top material. Refer to [Section 501-18](#).

Convertible Top Drop Window Function

NOTE: The Smart Junction Box (SJB) may also be identified as the Generic Electronic Module (GEM).

When the convertible top switch is operated (to raise or lower the convertible top), the [SJB](#) sends a signal on a shared circuit to the 4 window motors to activate a full down operation of all 4 windows. When the rear quarter windows reach the full down position, the full down sensor in each rear quarter window motor sends a signal to the [SJB](#) that the windows are in the full down position. At this time, the [SJB](#) allows the convertible top to operate (up or down). If the [SJB](#) does not see the full down signal from both rear quarter window motors, the convertible top does not operate. The [SJB](#) also disables/inhibits the rear quarter window control switch from operating the rear quarter windows when the convertible top ajar switch indicates the convertible top is not in the full UP or full DOWN position. This function is to prevent an accidental opening of the convertible top with the windows in the up position causing contact between the windows and convertible top which may result in damage to the convertible top or windows.
