## 1. Door Glass

	Condition	Apparent cause/Correction
Glass in fully closed position	Glass runs out of weatherstrip lip when considerable hand pressure is applied to it from inside.  OUT  Roof	Insufficient upward travel of glass Increase upward travel of glass.
	Glass runs out of weatherstrip lip  G5M0502	
	(This condition may cause wind/booming noise during high- speed operation.)	
	2) Clearance exists between glass and weatherstrip when light hand pressure is applied to it at center and rear pillar locations.  Clearance	<ul> <li>Insufficient glass-to-door weather-strip contact</li> <li>Check stabilizer and glass for proper contact. Increase contact using upper sash adjustment bolt.</li> <li>Improper adjustment of striker in in-out direction Close door and check for alignment of striker with vehicle</li> </ul>
	Front Rear  G5M0503  (This condition may cause wind noise and/or water leakage.)	body.
	3) Adjust door glass so that it is aligned with door rearview mirror gusset.  Gusset  Align glass edge with gusset here.  Align	<ul> <li>Window is not properly adjusted in up-down/fore-aft direction.</li> <li>Adjust window. If necessary, move B channel regulator to eliminate window tilt.</li> <li>Gusset is not properly adjusted in fore-aft direction.</li> <li>Adjust gusset after loosing all bolts and nuts witch tightening it.</li> </ul>
	Incorrect  Window too far toward the back (There should be no gap between gusset	
	window.)  Window too far forward (Rubber part of gusset is forcefully elongated.)	
	G5M0504	

## **DIAGNOSTICS**

Raise or lower window glass  1) Considerable effort or time is required to operate regulator.  1) Considerable effort or time is required to operate regulator.  2) Edge of plass contacts retainer when door is fully closed.  2) Edge of glass contacts retainer when door is fully closed.  3) Edge of glass contacts retainer when door is fully closed.  4 Improper glass-to-center pillar weatherstrip or excessive glass contact to weatherstrip.  5) Excessive adjusting in contact to weatherstrip.  6) Excessive adjusting in contact to weatherstrip.  8) Excessive adjusting in contact to weatherstrip.  9 Excessive adjusting in contact to weatherstrip.  9 Excessive adjusting in contact to weatherstrip.  1) Considerable effort or time is required to operate regulator.  1) Considerable effort or time is required to operate regulator.  1) Considerable effort or time is required to operate regulator.  1) Considerable effort or time is required to operate regulator.  2) Edge of glass contact to weatherstrip.  2) Excessive adjusting in contact to weatherstrip.		Condition	Apparent cause/Correction
2) Edge of glass contacts retainer when door is fully closed.    Improper glass-to-center pillar weatherstrip or excessive glass contact to weatherstrip or excessive glass contact to weatherstrip or excessive adjusting in contact to weatherstrip Causes rear edge of glass to tilt inboard closer to center pillar. Adjust rear sash adjustment bolt to reduce glass contact to weatherstrip.    Raise or lower window glass   1) Considerable effort or time is required to operate regulator. Standard operating effort:   Entire up-down travel except for point 5 mm (0.20 in) below fully closed position: 29.4 N (3.0 kg, 6.6 lb)   Point 5 mm (0.20 in) below fully closed position: 44.1 N (4.5 kg, 9.9 lb)    Point 5 mm (0.20 in) below fully closed position of the vehicle. High glass-to-windshield contact pressure. Reduce contact using upper sash adjustment bolt. Unequal contact adjustment stroke between front and rear sashes Set to equal stroke. Unequal contact adjustment bolt mounting bracket Correct tilt of bracket so it is parallel to inner panel.		Check point  Lip caught by glass  G5M0505  (This condition increases wind/booming noise, leakage and/or	• Improper up-down and in-out glass alignments Adjust glass for up-down and in-out alignments (incl. rear sash, upper stopper adjustment, etc.). If necessary, correct glass tilt by mov-
Raise or lower window glass  1) Considerable effort or time is required to operate regulator. Standard operating effort:  • Entire up-down travel except for point 5 mm (0.20 in) below fully closed position: 29.4 N (3.0 kg, 6.6 lb)  • Point 5 mm (0.20 in) below fully closed position: 44.1 N (4.5 kg, 9.9 lb)  Point 5 mm (0.20 in) below fully closed position  Point 5 mm (0.20 in) below fully closed position  Point 5 mm (0.20 in) below fully closed position  Other point (where glass begins contact weatherstrip)  Other point (where glass begins contact weatherstrip)  Other point (where glass begins contact weatherstrip)  Front  Sliding resistance increased due to high stabilizer-to-glass contact pressure.  Reduce contact by mounting inner stabilizer to inside of the vehicle.  • High glass-to-windshield contact pressure  Reduce contact using upper sash adjustment bolt.  • Unequal contact adjustment bolt mounting bracket  Correct tilt of bracket so it is parallel to inner panel.		2) Edge of glass contacts retainer when door is fully closed.  Glass edge contacts  Contact	weatherstrip or excessive glass contact to weatherstrip  Excessive adjusting in contact to weatherstrip  Causes rear edge of glass to tilt inboard closer to center pillar. Adjust rear sash adjustment bolt to reduce
G5M0507	•	1) Considerable effort or time is required to operate regulator. Standard operating effort:  • Entire up-down travel except for point 5 mm (0.20 in) below fully closed position: 29.4 N (3.0 kg, 6.6 lb)  • Point 5 mm (0.20 in) below fully closed position: 44.1 N (4.5 kg, 9.9 lb)  Point 5 mm (0.20 in) below fully closed position  Other point (where glass begins contact weatherstrip)	to high stabilizer-to-glass contact pressure. Reduce contact by mounting inner stabilizer to inside of the vehicle.  • High glass-to-windshield contact pressure Reduce contact using upper sash adjustment bolt.  • Unequal contact adjustment stroke between front and rear sashes Set to equal stroke.  • Tilt of rear sash adjustment bolt mounting bracket Correct tilt of bracket so it is parallel

## **DIAGNOSTICS**

	Condition	Apparent cause/Correction
Raise or lower window glass	2) Center pillar weatherstrip is caught by rear window glass when glass is raised.  Weatherstrip is caught  Weatherstrip is caught  Rear	Improper fore-aft or in-out alignment of window glass     Lower B channel regulator to tilt window glass back.
	G5M0508  3) Window glass tilts forward by more than 2 mm (0.08 in).  2 mm (0.08 in).  2 mm (0.08 in)  Glass position (while raising and lowering)  Glass position (when door is closed)  G5M0509  Excessive tilt of glass forward is due to excessive glass "contact" which causes reaction of center pillar weatherstrip.  Glass can be tilted forward due to increase in reaction of shoulder weatherstrip or free play between sash and roller.  Taking these symptoms into account, glass should be aligned.	Excessive glass contact pressure or improper in-out alignment     (1) Lower B channel regulator to tilt window glass rearward.     (2) Reduce contact pressure using upper sash adjustment bolt.

MEMO: