

Troubleshooting

Symptom	Possible cause	Countermeasure
Wind noise around the door	Arise the gap on weatherstrip	Replace weatherstrip
Water leaks from panorama sunroof	Miss install of panorama sunroof frame weather strip and deforming	Replace
	seal breakage	Fill with sealant
Wind noise on Panorama Sunroof	Deflector deformation and deviation	Replace or Remounting
Noise while panorama sunroof is working (noise when opening or closing)	Accumulation on the guide rail or rear rail	Clean guide rail/rear rail and apply grease
	Tilt lever shoe excessive wear and breakage	Replace tilt lever shoe
Panorama Sunroof malfunction (Motor work, sunroof move partially or does not move)	Accumulation on the guide rail or rear rail	1. Clean guide rail/rear rail and apply grease 2. Adjustment or replacement
	Poor engagement drive cable and motor pinion.	Adjustment or replacement
	Sunroof operating resistance or interference (with cable, weather strip) increased.	Adjustment or replacement
	Motor initial value (position value) loss	Motor Initialization
motor noise	Poor engagement drive cable and motor pinion.	NNN
	Motor pinion gear worn out or breakage	Motor Replacement
	Drive cable worn out or breakage	Replacement
Door glass inoperative	Incorrect window glass installation	Repositioning
	Motor failure or regulator breakage/deformation Damaged or faulty motor and regulator	Adjustment or replacement
Door does not open or close completely	Door installation incorrect or striker/latch misalignment	Adjust position

	Breakage, deformation, incorrect installation on door handle and latch. Deformation of checker	Adjustment or replacement
	Not enough grease on door hinge and checker	Apply grease
Hood does not open or close completely	Striker and latch are not properly aligned.	Adjustment
	Hood installation incorrect	Adjustment
	Incorrect hood bumper height	Adjustment
Water leak on windshield or rear window	Defective seal	Apply sealant
	Defective flange	Adjustment
Wiper blade wiping/ vibration noise	Glass surface contamination	Remove the foreign matters and water-repellent coating using a clean wet towel.
	Wiper blade contamination	Clean wiper blade using a clean wet towel.
	Improper wiper arm angle	Check wiper arm angle specification and adjust.
	Wiper blade worn out	Wiper blade replacement.
	Wiper blade failure	Check if “tick” sound.
	Wiper blade clearance	Press the left and right sides of the blade using tools.

Specifications

Items		Specification
Hood	Type	Rear hinged, stay rod type
Front Door	Construction	Front hinged, frame door construction
	Regulator system	Wire drum type
	Locking system	Pin-fork system
Rear Door	Construction	Front hinged, frame door construction
	Regulator system	Wire drum type
	Locking system	Pin-fork system
Tail Gate	Type	Front hinged, gas lifter type
Seat Belts	Front	3 point type with Emergency Locking Retractor (E.L.R)
	Rear	3 point type with Emergency Locking Retractor (E.L.R)

Tightening Torque

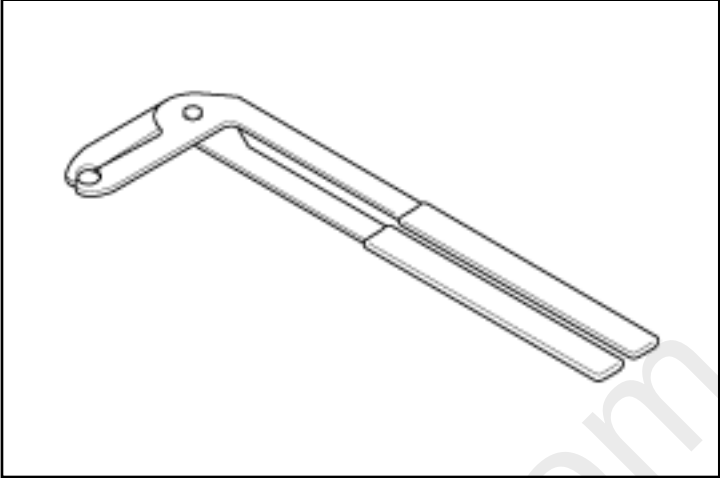
Items		N.m	kgf.m	lb-ft
Front and rear doors	Door hinge to body	23.5 - 31.4	2.4 - 3.2	17.4 - 23.1
	Door hinge to door	9.8 - 19.6	1.0 - 2.0	7.2 - 14.5
	Door checker to door	3.9 - 5.9	0.4 - 0.6	2.9 - 4.3
	Door checker to body	19.6 - 29.4	2.0 - 3.0	14.5 - 21.7
	Door glass mounting bolt	7.8 - 11.8	0.8 - 1.2	5.8 - 8.7
	Outside handle base mounting bolt	7.8 - 11.8	0.8 - 1.2	5.8 - 8.7
	Door channel mounting bolt and nuts	3.9 - 5.9	0.4 - 0.6	2.9 - 4.3
	Door latch mounting bolts	7.8 - 14.7	0.8 - 1.5	5.8 - 10.8
	Door module mounting bolts	7.8 - 11.8	0.8 - 1.2	5.8 - 8.7

	Door striker mounting bolts	16.7 - 21.6	1.7 - 2.2	12.3 - 15.9
Tail Gate	Tail gate hinge to body	21.6 - 26.5	2.2 - 2.7	15.9 - 19.5
	Tail gate hinge to tail gate	21.6 - 26.5	2.2 - 2.7	15.9 - 19.5
	Tail gate latch mounting bolts	21.6 - 26.5	2.2 - 2.7	15.9 - 19.5
	Tail gate striker mounting bolts	21.6 - 26.5	2.2 - 2.7	15.9 - 19.5
	Tail gate guide bumper to tail gate	21.6 - 26.5	2.2 - 2.7	15.9 - 19.5
	Tail gate guide bumper to body	6.9 - 10.8	0.7 - 1.1	5.0 - 8.0
Hood	Hood hinge to body	21.6 - 26.5	2.2 - 2.7	15.9 - 19.5
	Hood hinge to hood	21.6 - 26.5	2.2 - 2.7	15.9 - 19.5
	Hood latch to body	7.8 - 11.8	0.8 - 1.2	5.8 - 8.7
Seat	Front seat mounting bolts	49.0 - 63.7	5.0 - 6.5	36.2 - 47.0
	Front seat frame mounting bolts	49.0 - 63.7	5.0 - 6.5	36.2 - 47.0
	Rear seat mounting bolts	49.0 - 63.7	5.0 - 6.5	36.2 - 47.0
Seat belt	Height adjuster mounting bolts	39.2 - 53.9	4.0 - 5.5	28.9 - 39.8
	Front seat belt upper anchor mounting bolt	39.2 - 53.9	4.0 - 5.5	28.9 - 39.8
	Front seat belt pretensioner mounting bolt	39.2 - 53.9	4.0 - 5.5	28.9 - 39.8
	Rear seat belt lower anchor mounting bolts	39.2 - 53.9	4.0 - 5.5	28.9 - 39.8
	Rear seat belt retractor mounting bolt	39.2 - 53.9	4.0 - 5.5	28.9 - 39.8
	Rear center seat belt retractor mounting bolt	39.2 - 53.9	4.0 - 5.5	28.9 - 39.8
	Seat belt buckle mounting bolt	39.2 - 53.9	4.0 - 5.5	28.9 - 39.8

Outside rearview mirror	Outside rearview mirror mounting nuts	6.9 - 10.8	0.7 - 1.1	5.0 - 8.0
Wiper arm	Wiper arm mounting nuts	22.6 - 26.5	2.3 - 2.7	16.6 - 19.5
Fender	Fender panel mounting bolts	7.8 - 11.8	0.8 - 1.2	5.8 - 8.7
Rear spoiler	Rear spoiler mounting nuts	3.3 - 4.5	0.34 - 0.46	2.5 - 3.3
Quarter fixed glass	Quarter fixed glass mounting nuts	3.9 - 4.4	0.4 - 0.45	2.9 - 3.3
Panorama sunroof	Panorama sunroof mounting nuts	7.8 - 11.8	0.8 - 1.2	5.8 - 8.7
	Panorama sunroof mounting bolts	7.8 - 11.8	0.8 - 1.2	5.8 - 8.7

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Special Service
Tools

Tool (Number and name)	Illustration	Use
09880 - 4F000 Hog ring clip installer		Hog ring clip installation