



Contents

00 - Technical data	1
1 Safety information	1
1.1 Safety measures when working with pyrotechnic components	1
1.2 Safety measures when working on vehicles with start/stop system	3
1.3 Storage, transportation and disposal of airbag, belt tensioner and battery isolator units (pyrotechnic components)	3
1.4 Additional safety regulations for airbag control unit	4
1.5 Additional safety regulations for side airbag	4
1.6 Additional safety instructions for curtain airbag	5
1.7 Safety regulations for crash sensors (pressure sensors) for front side airbags	5
1.8 Additional safety instructions for repair work on seat occupied recognition for front passenger airbag deactivation - country-specific	6
1.9 Measures for seat occupied recognition for front passenger airbag deactivation following an accident - country-specific	6
1.10 Renewing pyrotechnic, electrical and mechanical components of the restraint system after an accident	7
1.11 Checking airbag securing parts after an accident	9
1.12 Accident without airbag triggering	10
1.13 Checking seat belts	10
1.14 Check belt webbing	10
1.15 Checking inertia reel (locking mechanism)	11
1.16 Visually checking belt buckle	12
1.17 Check operation of belt buckle	12
1.18 Checking belt relays, and buckle tongues	12
1.19 Checking securing parts and anchorage points after an accident	13
1.20 Checking seat belt restraint function for holding additional child seats (not for driver's seat belt) - country-specific	13
1.21 Checking child seat anchors after an accident	13
1.22 Safety instructions for automatic anti-dazzle interior mirror	14
2 Repair notes	15
2.1 Contact corrosion	15
2.2 Pipe/wire routing and attachment	15
68 - Interior equipment	16
1 Compartments/covers	16
1.1 Overview of fitting locations - storage compartments/covers	16
1.2 Assembly overview - driver side dash panel cover	17
1.3 Assembly overview - steering column trim	18
1.4 Assembly overview - glove compartment	19
1.5 Assembly overview - storage compartment in headliner	20
1.6 Removing and installing dash panel cover on driver side	21
1.7 Removing and installing upper steering column trim	22
1.8 Removing and installing lower steering column trim	24
1.9 Removing and installing glove compartment opener	25
1.10 Removing and installing glove compartment	26
1.11 Removing and installing glove compartment cover	27
1.12 Removing and installing restrictor for glove compartment cover	28
1.13 Service position for glove compartment cover	29
1.14 Removing and installing footwell cover on front passenger side	30
1.15 Removing and installing headliner storage compartment	30
2 Equipment	32
2.1 Assembly overview - sun visors	32
2.2 Removing and installing sun visor	32
2.3 Removing and installing sun visor centre mount	35



2.4	Removing and installing roof grab handle	36
2.5	Removing and installing bracket for roof grab handle	39
3	Centre console	41
3.1	Assembly overview - centre console	41
3.2	Removing and installing rear centre console trim	43
3.3	Removing and installing centre console cover	44
3.4	Removing and installing front ashtray	45
3.5	Removing and installing centre console trim in front footwell	45
3.6	Removing and installing centre console	46
3.7	Removing and installing centre console bracket	49
3.8	Removing and installing trim for operating and display unit	50
4	Front centre armrest	51
4.1	Removing and installing front centre armrest	51
5	On inside	52
5.1	Assembly overview - interior mirror	52
5.2	Removing and installing interior mirror	55
69	Passenger protection	66
1	Seat belts	66
1.1	Overview of fitting locations - seat belts and anchorage points	66
1.2	Assembly overview - front three-point seat belt	68
1.3	Assembly overview - rear outer three-point seat belt	70
1.4	Assembly overview - rear centre three-point seat belt	71
1.5	Assembly overview - front belt buckle	72
1.6	Assembly overview - rear belt buckle	73
1.7	Removing and installing front three-point seat belt	74
1.8	Removing and installing rear three-point seat belt	79
1.9	Removing and installing front belt guide	82
1.10	Removing and installing front belt end fitting	83
1.11	Removing and installing rear outer belt end fitting	84
1.12	Removing and installing belt height adjuster	85
1.13	Removing and installing front belt buckle	87
1.14	Removing and installing rear belt buckle	88
2	Child seat anchors	90
2.1	Testing after accident	90
2.2	Removing and installing guide for ISOFIX child seat anchor	90
2.3	Removing and installing rear child seat anchors	91
3	Airbag system	92
3.1	Overview of fitting locations - airbag system	92
4	Airbag control unit	95
4.1	Assembly overview - airbag control unit	95
4.2	Removing and installing airbag control unit J234	95
5	Driver's airbag	99
5.1	Assembly overview - driver side airbag	99
5.2	Removing and installing airbag unit with igniter	100
5.3	Removing and installing return spring with slip ring (coil connector)	103
5.4	Renewing connector on airbag	103
6	Front passenger side airbag	106
6.1	Assembly overview - front passenger side airbag	106
6.2	Removing and installing front passenger side airbag unit with igniter	107
6.3	Removing and installing key-operated switch to deactivate front passenger side airbag	110
6.4	Removing and installing warning lamp for airbag deactivated on front passenger side K145	111
6.5	"Advanced airbag system" (only for North American Region/Canada)	112



7	Side airbags	113
7.1	Assembly overview – front side airbag	113
7.2	Removing and installing front side airbag with igniter	113
8	Curtain airbags	117
8.1	Assembly overview - curtain airbag	117
8.2	Removing and installing curtain airbag with igniter	117
9	Airbag crash sensors	122
9.1	Overview of fitting locations - airbag crash sensors	122
9.2	Removing and installing front airbag crash sensor, driver side G283	124
9.3	Removing and installing front airbag crash sensor, front passenger side G284	126
9.4	Removing and installing front side airbag crash sensor G179/G180	128
9.5	Removing and installing rear side airbag crash sensor G256/G257	131
10	Seat position sensor	134
10.1	Assembly overview - seat position sensor	134
10.2	Removing and installing seat position sensor	134
11	Seat belt verification	137
11.1	Removing and installing Seat occupied sensor, front passenger side G128	137
12	Seat occupied recognition	138
12.1	Assembly overview - seat occupied recognition	138
12.2	Removing and installing seat occupied recognition sensor	139
12.3	Removing and installing seat occupied recognition control unit	143
12.4	Removing and installing bracket for seat occupied recognition control unit J706	145
12.5	Importers reporting obligation	146
70	Trim, insulation	148
1	Front door trims	148
1.1	Assembly overview - front door trim	148
1.2	Removing and installing trim	150
1.3	Removing and installing front door trim	151
1.4	Removing and installing mirror cover trim	155
2	Rear door trims	157
2.1	Assembly overview - rear door trim	157
2.2	Removing and installing rear door trim	157
3	Dash panel	163
3.1	Assembly overview - dash panel	163
3.2	Removing and installing dash panel end cover	165
3.3	Removing and installing dash panel trim	166
3.4	Removing and installing dash panel insert trim	170
3.5	Removing and installing radio/navigation system mounting frame	172
3.6	Removing and installing dash panel	173
3.7	Removing and installing outer dash panel vents	178
3.8	Removing and installing centre vent	178
3.9	Removing and installing side defroster vent	180
4	Central tube for dash panel	181
4.1	Assembly overview - central tube for dash panel	181
4.2	Removing and installing central tube for dash panel	183
4.3	Removing and installing impact absorber	188
4.4	Removing and installing crash bar	190
5	Interior trims	192
5.1	Overview of fitting locations - interior trims	192
5.2	Assembly overview - sill panel moulding	193
5.3	Assembly overview - A-pillar trim	194
5.4	Assembly overview – B-pillar trim	196
5.5	Assembly overview – C-pillar trim	197



5.6	Assembly overview – wheel housing trim	198
5.7	Assembly overview – foot rest and floor covering	199
5.8	Removing and installing sill panel moulding	200
5.9	Removing and installing A-pillar trim	203
5.10	Removing and installing A-pillar gap cover	208
5.11	Removing and installing B-pillar trim	209
5.12	Removing and installing C-pillar trim	213
5.13	Removing and installing wheel housing trims	216
5.14	Removing and installing foot rest	218
5.15	Removing and installing floor covering	219
5.16	Removing and installing rear shelf	222
6	Luggage compartment trims	224
6.1	Overview of fitting locations - luggage compartment trims	224
6.2	Assembly overview - lower rear lid trim	224
6.3	Removing and installing lower rear lid trim	225
6.4	Removing and installing luggage compartment side trim	227
6.5	Removing and installing lock carrier trim	228
6.6	Removing and installing cross member trim	229
7	Roof trims	231
7.1	Assembly overview – moulded headliner	231
7.2	Removing and installing moulded headlining	231
7.3	Installing roof reinforcement to body	235
72	Seat frames	239
1	Overview of seat variants	239
1.1	Overview of fitting locations - seat variants	239
2	Front seats	241
2.1	Overview of fitting locations - electrical and electronic components	242
2.2	Assembly overview - front seat	246
2.3	Assembly overview – front backrest	249
2.4	Assembly overview - head restraint	251
2.5	Assembly overview - seat pan	252
2.6	Assembly overview - seat height adjustment	257
2.7	Assembly overview – fire extinguisher	259
2.8	Removing and installing front seat	260
2.9	Connecting and disconnecting airbag adapter	268
2.10	Removing and installing seat trim on tunnel side	270
2.11	Removing and installing seat trim on sill side	271
2.12	Removing and installing bracket for seat trim	273
2.13	Removing and installing seat padding ventilator	275
2.14	Removing and installing seat rail cover	278
2.15	Removing and installing lumbar support frame	278
2.16	Removing and installing handle for seat height adjustment	282
2.17	Removing and installing seat height adjustment unit	283
2.18	Removing and installing seat rake adjustment unit	284
2.19	Removing and installing lower seat pan frame with seat longitudinal adjustment motor V28/ V31	284
2.20	Removing and installing lumbar support adjustment unit	286
2.21	Removing and installing backrest adjustment unit	287
2.22	Removing and installing front backrest	288
2.23	Removing and installing head restraint	290
2.24	Removing and installing head restraint guide	292
2.25	Removing and installing fire extinguisher holder on seat frame	293
2.26	Removing and installing fire extinguisher holder	293
2.27	Removing and installing lumbar support adjustment switch E752/E753	294
2.28	Removing and installing lumbar support adjustment motor V491/V492	295



2.29	Removing and installing seat adjustment operating unit EX33/EX34	295
2.30	Removing and installing massage control unit J740	296
2.31	Removing and installing seat and steering column adjustment control unit with memory J136	297
2.32	Disconnecting and connecting modular wire routing	297
2.33	Mounting front seat on seat repair stand	299
3	Rear seats	300
3.1	Assembly overview - bench seat/individual seats	300
3.2	Assembly overview - rear seat backrest	301
3.3	Assembly overview - centre armrest	301
3.4	Removing and installing bench seat/individual seats	303
3.5	Removing and installing head restraint	305
3.6	Removing and installing head restraint guide	306
3.7	Removing and installing rear seat backrest	307
3.8	Removing and installing trim for locking mechanism	308
3.9	Removing and installing locking mechanism for rear seat backrest	309
3.10	Removing and installing centre armrest	311
3.11	Removing and installing side padding	312
3.12	Removing and installing backrest cover panel	313
74	Seat - padding, covers	314
1	Front seat covers and padding	314
1.1	Assembly overview - cover and padding for seat pan	314
1.2	Assembly overview - cover and padding for backrest	315
1.3	Assembly overview - seat heating element	315
1.4	Assembly overview - backrest heater element	316
1.5	Removing and installing cover and padding for seat pan	317
1.6	Removing and installing backrest cover and backrest padding	319
1.7	Separating cover and padding on seat pan	323
1.8	Separating cover and padding on backrest	325
1.9	Removing and installing seat heating element Z6/Z8	328
1.10	Removing and installing backrest heating element Z7/Z9	328
2	Rear seat covers and padding	330
2.1	Assembly overview - cover and padding	330
2.2	Assembly overview - seat heating element	331
2.3	Removing and installing covers and padding	333
2.4	Removing and installing intermediate padding	333
2.5	Separating cover and padding	334
2.6	Removing and installing seat heating element	340
2.7	Removing and installing backrest heating element	341