



Contents

00 - Technical data	1
1 Safety information	1
1.1 Safety measures when working on vehicles with start/stop system	1
1.2 Safety precautions when working on passenger protection systems	2
1.3 Specifications for transport, storage and installation of passenger protection components	3
1.4 Additional safety regulations for side airbag	4
1.5 Additional safety instructions for curtain airbag	4
1.6 Safety regulations for crash sensors (pressure sensors) for front side airbags	5
1.7 Renewing pyrotechnic, electrical and mechanical components of the restraint system after an accident	5
1.8 Checking airbag securing parts after an accident	7
1.9 Accident without airbag triggering	7
1.10 Checking seat belts	7
1.11 Check belt webbing	8
1.12 Checking inertia reel (locking mechanism)	9
1.13 Visually checking belt buckle	10
1.14 Check operation of belt buckle	10
1.15 Checking belt relays, and buckle tongues	10
1.16 Checking securing parts and anchorage points after an accident	10
1.17 Checking seat belt restraint function for holding additional child seats (not for driver's seat belt) - country-specific	11
1.18 Checking child seat anchors after an accident	11
2 Repair notes	12
2.1 Contact corrosion	12
2.2 Routing and attachment of lines	12
68 - Interior equipment	13
1 Compartments/covers	13
1.1 Assembly overview - storage compartment in headliner	13
1.2 Removing and installing upper steering column trim	14
1.3 Removing and installing lower steering column trim	15
1.4 Removing and installing dash panel cover on driver side	17
1.5 Removing and installing glove compartment opener	19
1.6 Service position for glove compartment cover	21
1.7 Removing and installing restrictor for glove compartment cover	22
1.8 Removing and installing glove compartment	23
1.9 Removing and installing glove compartment cover	26
1.10 Removing and installing headliner storage compartment	26
1.11 Removing and installing information electronics cover	29
1.12 Removing and installing footwell cover on front passenger side	31
2 Equipment	33
2.1 Assembly overview – sun visors	33
2.2 Removing and installing net partition bracket	34
2.3 Removing and installing sun visor	35
2.4 Removing and installing sun visor centre mount	38
2.5 Removing and installing roof grab handle	38
2.6 Removing and installing grab handle bracket	42
3 Centre console	44
3.1 Removing and installing centre console trim in front footwell	44
3.2 Removing and installing trim for operating and display unit	45
3.3 Removing and installing centre console	47
3.4 Removing and installing centre console bracket	56
3.5 Removing and installing rear centre console trim	59



3.6	Removing and installing centre console insert	60
4	Front centre armrest	64
4.1	Removing and installing front centre armrest	64
5	Interior mirror	67
5.1	Assembly overview – interior mirror	67
5.2	Removing and installing interior mirror	69
69	- Passenger protection	78
1	Seat belts	78
1.1	Overview of fitting locations – seat belts and anchorage points	78
1.2	Assembly overview – front three-point seat belt	80
1.3	Assembly overview – rear outer three-point seat belt	82
1.4	Assembly overview – rear centre three-point seat belt	83
1.5	Assembly overview – front belt buckle	84
1.6	Assembly overview – rear belt buckle	85
1.7	Removing and installing front three-point seat belt	87
1.8	Removing and installing rear three-point seat belt	91
1.9	Removing and installing front belt guide	95
1.10	Removing and installing front belt end fitting	95
1.11	Removing and installing rear outer belt end fitting	96
1.12	Removing and installing belt height adjuster	97
1.13	Removing and installing front belt buckle	99
1.14	Removing and installing rear belt buckle	100
2	Child seat anchors	102
2.1	Assembly overview – rear child seat anchors	102
2.2	Removing and installing rear child seat anchors	103
3	Airbag system	105
3.1	Overview of fitting locations – airbag system	105
4	Airbag control unit	108
4.1	Assembly overview – airbag control unit	108
4.2	Removing and installing airbag control unit J234	108
5	Battery isolator igniter	111
5.1	Assembly overview - battery isolator igniter	111
5.2	Removing and installing battery isolator igniter	111
6	Front airbag	115
6.1	Assembly overview – front airbag, driver side	115
6.2	Removing and installing airbag unit with igniter	117
6.3	Renewing connector on airbag	122
7	Front passenger airbag	124
7.1	Assembly overview – front passenger airbag	124
7.2	Removing and installing front passenger airbag unit with igniter	125
7.3	Removing and installing key-operated switch to deactivate airbag on front passenger side	128
8	Side airbags	130
8.1	Assembly overview – front side airbag	130
8.2	Assembly overview - rear side airbag	130
8.3	Removing and installing front side airbag with igniter	131
8.4	Removing and installing rear side airbag with igniter	134
9	Curtain airbags	136
9.1	Assembly overview – curtain airbag	136
9.2	Removing and installing curtain airbag with igniter	136
10	Knee airbags	141
10.1	Assembly overview - knee airbag	141
10.2	Removing and installing knee airbag with igniter	142
11	Airbag crash sensors	145



11.1	Overview of fitting locations – airbag crash sensors	145
11.2	Removing and installing front airbag crash sensor	146
11.3	Removing and installing front side airbag crash sensor G179/G180	149
11.4	Removing and installing rear side airbag crash sensor G256/G257	152
12	Seat belt verification	155
12.1	Removing and installing Seat occupied sensor, front passenger side G128	155
13	Pedestrian protection	157
13.1	Assembly overview - pedestrian protection	157
13.2	Removing and installing centre crash sensor for pedestrian protection G693	159
13.3	Removing and installing crash sensor for pedestrian protection G570/G571	161
13.4	Removing and installing trigger for pedestrian protection G598/G599	164
13.5	Remove and installing front pressure hose sensor for pedestrian protection G579	165
13.6	Resetting triggered pedestrian protection system	167
70	Trim, insulation	169
1	Front door trims	169
1.1	Assembly overview – front door trim	169
1.2	Removing and installing front door trim	171
1.3	Removing and installing mirror cover trim	176
1.4	Removing and installing interior door handle	177
1.5	Removing and installing trim	179
2	Rear door trims	182
2.1	Assembly overview – rear door trim	182
2.2	Assembly overview - sun blind for door window	183
2.3	Removing and installing rear door trim	183
2.4	Removing and installing interior door handle	188
2.5	Removing and installing trim	190
2.6	Removing and installing sun blind for door window	191
2.7	Removing and installing eyelet for sun blind	193
3	Dash panel	194
3.1	Removing and installing dash panel end cover	194
3.2	Removing and installing dash panel storage compartment	195
3.3	Removing and installing light switch trim	195
3.4	Removing and installing radio/navigation system mounting frame	196
3.5	Removing and installing dash panel	197
3.6	Removing and installing dash panel trim	209
3.7	Removing and installing outer dash panel vents	215
3.8	Removing and installing centre vent	216
4	Dash panel cross member	217
4.1	Assembly overview – central tube for dash panel	217
4.2	Removing and installing crash bar	219
4.3	Removing and installing dash panel cross member	220
5	Interior trims	227
5.1	Overview of fitting locations – interior trims	227
5.2	Assembly overview – sill panel moulding	228
5.3	Assembly overview - A-pillar trim	229
5.4	Assembly overview – B-pillar trim	232
5.5	Assembly overview - C-pillar trim	233
5.6	Assembly overview - D-pillar trim	234
5.7	Assembly overview – foot rest and floor covering	235
5.8	Removing and installing sill panel moulding	237
5.9	Removing and installing A-pillar gap cover	239
5.10	Removing and installing A-pillar trim	240
5.11	Removing and installing B-pillar trim	247
5.12	Removing and installing C-pillar trim	251



5.13	Removing and installing D-pillar trim	253
5.14	Removing and installing foot rest	254
5.15	Removing and installing floor covering	257
6	Luggage compartment trims	260
6.1	Overview of fitting locations – luggage compartment trims	260
6.2	Assembly overview – luggage compartment side trim	262
6.3	Assembly overview - luggage compartment floor	263
6.4	Assembly overview - lower rear lid trim	266
6.5	Assembly overview – upper rear lid trim	267
6.6	Removing and installing lower rear lid trim	268
6.7	Removing and installing upper rear lid trim	270
6.8	Removing and installing luggage compartment side trim	272
6.9	Removing and installing lock carrier trim	274
6.10	Removing and installing fastening rings	275
6.11	Removing and installing support for luggage compartment floor	276
6.12	Removing and installing retaining strip	278
7	Roof trims	280
7.1	Assembly overview – moulded headliner	280
7.2	Removing and installing roof end strip	281
7.3	Removing and installing moulded headliner	283
7.4	Installing roof reinforcement to body	286
72	Seat frames	292
1	Overview of seat variants	292
1.1	Overview of fitting locations – seat variants	292
2	Front seats	295
2.1	Overview of fitting locations – electrical and electronic components	295
2.2	Assembly overview – front seat	299
2.3	Assembly overview – front backrest	303
2.4	Assembly overview – seat pan	305
2.5	Assembly overview – seat height adjustment	309
2.6	Assembly overview – seat rake adjustment	310
2.7	Assembly overview - folding tray table	312
2.8	Assembly overview – fire extinguisher	313
2.9	Removing and installing front seat	314
2.10	Connecting and disconnecting airbag adapter	322
2.11	Removing and installing inner seat trim	323
2.12	Removing and installing outer seat trim	325
2.13	Removing and installing bracket for seat trim	331
2.14	Removing and installing front backrest	333
2.15	Removing and installing lumbar support	336
2.16	Removing and installing seat rake adjustment unit	338
2.17	Removing and installing seat height adjustment handle	341
2.18	Removing and installing seat height adjuster	342
2.19	Dismantling and assembling seat pan	346
2.20	Removing and installing backrest adjuster	348
2.21	Removing and installing lumbar support adjuster	350
2.22	Removing and installing head restraint	352
2.23	Removing and installing head restraint guide	353
2.24	Removing and installing drawer	354
2.25	Removing and installing fire extinguisher holder	356
2.26	Removing and installing lumbar support adjustment switch E176/E177	356
2.27	Removing and installing lumbar support adjustment motor V125/V126/V129/V130	357
2.28	Removing and installing seat adjustment operating unit E470/E471	358
2.29	Removing and installing massage control unit J740	359



2.30	Securing front seat to seat repair stand	360
2.31	Removing and installing seat adjustment control unit	361
3	Rear seats	362
3.1	Assembly overview – bench seat/individual seats	362
3.2	Removing and installing bench seat/individual seats	367
3.3	Removing and installing seat trim	376
3.4	Removing and installing rear seat backrest	382
3.5	Removing and installing seat rails	384
3.6	Removing and installing seat pan	385
3.7	Removing and installing head restraint	387
3.8	Removing and installing head restraint guide	388
3.9	Removing and installing trim for locking mechanism	390
3.10	Removing and installing back panel trim	392
3.11	Removing and installing locking mechanism for rear seat backrest	395
74	Seat - padding, covers	398
1	Front seat covers and padding	398
1.1	Assembly overview – seat pan cover and padding	398
1.2	Assembly overview – backrest cover and padding	400
1.3	Assembly overview – seat heating element	401
1.4	Assembly overview – backrest heating element	402
1.5	Removing and installing seat pan cover and padding	403
1.6	Removing and installing backrest cover and padding	406
1.7	Separating seat pan cover from seat pan padding	412
1.8	Separating backrest cover from backrest padding	414
1.9	Removing and installing seat heating element Z6/Z8	418
1.10	Removing and installing backrest heating element Z7/Z9	419
2	Rear seat covers and padding	421
2.1	Assembly overview – rear bench seat cover and padding	421
2.2	Assembly overview – rear seat backrest cover and padding	423
2.3	Assembly overview – seat heating element	425
2.4	Removing and installing rear bench seat cover and padding	426
2.5	Removing and installing rear seat backrest cover and padding	432
2.6	Removing and installing seat heating element	437
2.7	Removing and installing backrest heating element	438