

Contents

00 - Technical data	1
1 Safety information	1
1.1 Safety precautions when working on pyrotechnic components	2
1.2 Safety precautions when working on vehicles with high-voltage system	4
1.3 Safety precautions when working in the vicinity of high-voltage components	5
1.4 Safety precautions when working on the high-voltage system	5
1.5 Safety precautions when working on vehicles with start/stop system	6
1.6 Safety precautions when using testers and measuring instruments during a road test	6
1.7 Storing, transporting and disposing of airbag units, belt tensioner units and battery isolators (pyrotechnic components)	7
1.8 Additional safety regulations for side airbags	7
1.9 Additional safety regulations for curtain airbags	8
1.10 Safety regulations for crash sensors (pressure sensors) for front side airbag	8
1.11 Additional safety regulations for working on seat occupied sensor controlling deactivation of front passenger airbag - country-specific version	9
1.12 Procedure for dealing with seat occupied sensor controlling deactivation of front passenger airbag following an accident - country-specific version	9
1.13 Renewing pyrotechnic, electrical and mechanical components of the restraint system following an accident	10
1.14 Checking airbag mounting components following an accident	11
1.15 Accident in which no airbag was triggered	12
1.16 Checking seat belts	12
1.17 Checking belt webbing	12
1.18 Checking automatic belt retractor (locking action)	13
1.19 Visual inspection of belt buckle	14
1.20 Functional check of belt buckle	14
1.21 Checking guide fittings and latch plate	14
1.22 Checking securing components and anchorage points following an accident	14
1.23 Checking child seat restraint function of seat belt for additional child seats (not for driver seat belt; country-specific version)	15
1.24 Checking child seat anchors following an accident	15
1.25 Safety regulations for automatic anti-dazzle interior mirror	15
2 Repair instructions	16
2.1 Contact corrosion	16
2.2 Routing and attachment of pipes, hoses and wiring	16
2.3 Identification plates	16
2.4 Use of impact wrenches	16
68 - Interior equipment	18
1 Safety information	18
2 Storage compartments/covers/trim panels	19
2.1 Overview of fitting locations - storage compartments/covers/trim panels	19
2.2 Assembly overview - dash panel cover (driver side)	20
2.3 Assembly overview - steering column trim	21
2.4 Assembly overview - glove compartment	22
2.5 Removing and installing dash panel cover (driver side)	24
2.6 Removing and installing upper steering column trim	25
2.7 Removing and installing lower steering column trim	26
2.8 Removing and installing glove compartment opening mechanism	27
2.9 Removing and installing lock cylinder for glove compartment opening mechanism	28
2.10 Removing and installing glove compartment	29
2.11 Removing and installing glove compartment cover	30
2.12 Removing and installing restrictor for glove compartment cover	31
3 Equipment	32



3.1	Assembly overview - sun visors	32
3.2	Removing and installing sun visor	32
3.3	Removing and installing sun visor centre mount	33
3.4	Removing and installing grab handle	34
4	Centre console	36
4.1	Assembly overview - centre console	36
4.2	Removing and installing rear centre console trim	39
4.3	Removing and installing front centre console trim	40
4.4	Removing and installing centre console insert	41
4.5	Removing and installing front centre console footwell trim	43
4.6	Removing and installing centre console	44
4.7	Removing and installing trim panel for centre console	46
4.8	Removing and installing front centre console storage compartment	48
4.9	Removing and installing bracket for centre console	48
5	Front centre armrest	50
5.1	Assembly overview - front centre armrest	50
5.2	Removing and installing front centre armrest	51
5.3	Removing and installing upper part of centre armrest	51
6	Interior mirror	54
6.1	Assembly overview - interior mirror	54
6.2	Removing and installing interior mirror	55
6.3	Setting magnetic deflection zone	57
6.4	Calibrating digital compass	58
6.5	Adjusting automatic anti-dazzle interior mirror for right-hand drive or left-hand drive vehicles	59
6.6	Selecting the applicable deflection zone from the map	59
6.7	Checking operation of automatic anti-dazzle interior mirror	65
69	Passenger protection	67
1	Safety information	67
2	Seat belts	68
2.1	Overview of fitting locations - seat belts and anchorage points	68
2.2	Assembly overview - front three-point seat belt	70
2.3	Assembly overview - rear outer three-point seat belt	72
2.4	Assembly overview - rear centre three-point seat belt	72
2.5	Assembly overview - front belt buckle	73
2.6	Assembly overview - rear belt buckle	74
2.7	Removing and installing front three-point seat belt	75
2.8	Removing and installing rear three-point seat belt	78
2.9	Removing and installing rear belt guide	80
2.10	Removing and installing front belt guide	81
2.11	Removing and installing front belt end fitting	82
2.12	Removing and installing rear outer belt end fitting	82
2.13	Removing and installing belt height adjuster	83
2.14	Removing and installing front belt buckle	84
2.15	Removing and installing rear belt buckle	85
3	Child seat anchors	87
3.1	Assembly overview - front child seat anchors	87
3.2	Assembly overview - rear child seat anchors	87
3.3	Removing and installing front child seat anchor	88
3.4	Removing and installing rear child seat anchor	89
4	Airbag system	91
4.1	Overview of fitting locations - airbag system	91
5	Airbag control unit	94
5.1	Assembly overview - airbag control unit	94

5.2	Removing and installing airbag control unit J234	94
6	Driver airbag	97
6.1	Assembly overview - driver airbag	97
6.2	Removing and installing airbag unit with igniters	97
6.3	Removing and installing connector at airbag	100
7	Front passenger airbag	103
7.1	Assembly overview - front passenger airbag	103
7.2	Removing and installing front passenger airbag unit with igniters	103
7.3	Removing and installing key-operated switch to deactivate airbag on front passenger side	106
8	Side airbags	108
8.1	Assembly overview - front side airbag	108
8.2	Removing and installing front side airbag with igniter	108
8.3	Removing and installing wire for side airbag	110
9	Curtain airbags	112
9.1	Assembly overview - curtain airbag	112
9.2	Removing and installing curtain airbag with igniter	112
10	Crash sensors for airbags	116
10.1	Overview of fitting locations - crash sensors for airbags	116
10.2	Removing and installing front airbag crash sensor for driver side G283	118
10.3	Removing and installing front side airbag crash sensor G179/G180	121
10.4	Removing and installing rear side airbag crash sensor G256/G257	124
11	Seat position sensor	130
11.1	Assembly overview - seat position sensor	130
11.2	Removing and installing seat position sensor	130
12	Belt-fastened recognition system	133
12.1	Removing and installing seat occupied sensor on front passenger side G128	133
70 - Trim, insulation		134
1	Safety information	134
2	Front door trim	135
2.1	Assembly overview - front door trim	135
2.2	Removing and installing front door trim	137
2.3	Removing and installing front armrest	140
2.4	Removing and installing trim for mirror cover	141
2.5	Removing and installing interior door handle	142
3	Rear door trim	143
3.1	Assembly overview - rear door trim	143
3.2	Removing and installing interior door handle	144
3.3	Removing and installing rear door trim	144
3.4	Removing and installing rear armrest	147
4	Dash panel	149
4.1	Assembly overview - dash panel	149
4.2	Removing and installing dash panel cover (side)	152
4.3	Removing and installing trim panel for dash panel	153
4.4	Removing and installing cover for MMI screen	154
4.5	Removing and installing loudspeaker trim	156
4.6	Removing and installing dash panel	157
4.7	Removing and installing outer dash panel vent	161
4.8	Removing and installing front centre defroster vent	163
4.9	Removing and installing side defroster vent	165
5	Dash panel cross member	167
5.1	Assembly overview - dash panel cross member	167
5.2	Removing and installing dash panel cross member	169
5.3	Removing and installing crash bar	173

6	Passenger compartment trim panels	174
6.1	Overview of fitting locations - passenger compartment trim panels	174
6.2	Assembly overview - sill panel moulding	175
6.3	Assembly overview - A-pillar trim	175
6.4	Assembly overview - B-pillar trim	177
6.5	Assembly overview - C-pillar trim	178
6.6	Assembly overview - foot rest and floor covering	178
6.7	Removing and installing sill panel moulding	180
6.8	Removing and installing A-pillar trim	182
6.9	Removing and installing B-pillar trim	186
6.10	Removing and installing C-pillar trim	189
6.11	Removing and installing foot rest	190
6.12	Removing and installing floor covering	193
7	Luggage compartment trim panels	196
7.1	Overview of fitting locations - luggage compartment trim panels	196
7.2	Assembly overview - luggage compartment side trim	197
7.3	Assembly overview - luggage compartment floor	199
7.4	Assembly overview - lower rear lid trim	201
7.5	Assembly overview - upper rear lid trim	201
7.6	Removing and installing lower rear lid trim	202
7.7	Removing and installing upper rear lid trim	204
7.8	Removing and installing luggage compartment side trim	205
7.9	Removing and installing lock carrier trim	207
7.10	Removing and installing fastening ring	208
7.11	Removing and installing retainer for luggage compartment floor covering	209
7.12	Removing and installing grip for rear luggage compartment floor	209
7.13	Removing and installing lining for spare wheel well	211
8	Roof trim panels	212
8.1	Assembly overview - moulded headliner	212
8.2	Removing and installing moulded headliner	213
8.3	Lowering moulded headliner	214
8.4	Lowering moulded headliner for removal of roof aerial	218
8.5	Removing and installing roof reinforcement	221
72	Seat frames	225
1	Safety information	225
2	Overview - seat versions	226
2.1	Overview of fitting locations - seat versions	226
3	Front seats	227
3.1	Overview of fitting locations - electrical and electronic components	227
3.2	Assembly overview - front seat	229
3.3	Assembly overview - front seat backrest	231
3.4	Assembly overview - head restraint	232
3.5	Assembly overview - seat pan	233
3.6	Removing and installing front seat	236
3.7	Connecting and disconnecting airbag adapter	238
3.8	Removing and installing seat height adjuster	240
3.9	Removing and installing front seat backrest	242
3.10	Removing and installing head restraint	244
3.11	Removing and installing head restraint guide	245
3.12	Dismantling and assembling seat pan	246
3.13	Removing and installing lumbar support adjustment switch E176/E177	256
3.14	Removing and installing seat adjustment operating unit E470/E471	256
3.15	Removing and installing lumbar support adjustment motor V125/V126/V129/V130	257
3.16	Attaching front seat to seat repair stand	259

4	Rear seats	261
4.1	Assembly overview - bench seat/individual seats	261
4.2	Assembly overview - locking mechanism	262
4.3	Assembly overview - head restraint and head restraint guide	263
4.4	Assembly overview - rear seat backrest	264
4.5	Removing and installing bench seat/individual seats	267
4.6	Removing and installing head restraint	268
4.7	Removing and installing head restraint guide	269
4.8	Removing and installing rear seat backrest	271
4.9	Removing and installing trim for locking mechanism	272
4.10	Removing and installing locking mechanism for rear seat backrest	275
4.11	Removing and installing outer bearing sleeve	275
4.12	Removing and installing inner pivot pin	276
4.13	Removing and installing centre armrest	277
74	Seat - padding, covers	279
1	Safety information	279
2	Covers and padding on front seats	280
2.1	Assembly overview - seat pan cover and padding	280
2.2	Assembly overview - backrest cover and padding	281
2.3	Assembly overview - seat heater elements	282
2.4	Removing and installing seat pan cover and padding	283
2.5	Removing and installing backrest cover and padding	285
2.6	Separating seat pan cover and padding	286
2.7	Separating backrest cover and padding	287
2.8	Removing and installing seat heater element Z6/Z8	288
2.9	Removing and installing backrest heater element Z7/Z9	289
3	Covers and padding on rear seats	291
3.1	Assembly overview - cover and padding	291
3.2	Removing and installing cover and padding	293
3.3	Removing and installing intermediate padding - backrest with load-through hatch	299
3.4	Detaching cover from padding	299