

Contents

00 - Technical data	1
1 Safety precautions	1
1.1 Safety precautions when working on vehicles with start/stop system	2
1.2 Safety precautions when using testers and measuring instruments during a road test	3
1.3 Safety precautions when working on pyrotechnic components	3
1.4 Storing, transporting and disposing of airbag units, belt tensioner units and battery isolation units (pyrotechnic components)	5
1.5 Additional safety regulations for side airbags	5
1.6 Safety regulations for crash sensors (pressure sensors) for side airbag (front)	6
1.7 Additional safety regulations for working on seat occupied sensor controlling deactivation of front passenger airbag - country-specific version	6
1.8 Procedure for dealing with seat occupied sensor controlling deactivation of front passenger airbag following an accident - country-specific version	7
1.9 Renewing pyrotechnic, electrical and mechanical components of the restraint system following an accident	7
1.10 Checking airbag mounting components following an accident	9
1.11 Accident in which no airbag was triggered	9
1.12 Checking seat belts	9
1.13 Checking belt	10
1.14 Checking automatic belt retractor (locking action)	11
1.15 Visual inspection of belt buckle	11
1.16 Functional check of belt buckle	11
1.17 Checking guide fittings and latch plate	12
1.18 Checking securing components and anchorage points following an accident	12
1.19 Checking child seat restraint function of seat belt for additional child seats (not for driver's seat belt; country-specific version)	12
1.20 Checking child seat anchors following an accident	13
1.21 Safety precautions for automatic anti-dazzle interior mirror	13
1.22 Safety precautions for Automatic Rollover Support System	13
2 Repair notes	15
2.1 Contact corrosion	15
2.2 Routing and attaching pipes and wiring	15
68 - Interior equipment	16
1 Shelves / trim panels	16
1.1 Overview of fitting locations - shelves/covers/trim panels	16
1.2 Exploded view - dash panel cover (driver side)	18
1.3 Exploded view - steering column trim	19
1.4 Exploded view - glove box	20
1.5 Removing and installing dash panel cover (driver side)	21
1.6 Removing and installing steering column trim (top)	22
1.7 Removing and installing steering column trim (bottom)	24
1.8 Removing and installing glove box opening mechanism	24
1.9 Removing and installing lock cylinder for glove box opening mechanism	25
1.10 Removing and installing glove box	26
1.11 Removing and installing glove box lid	30
1.12 Removing and installing cushioning element for glove box lid	30
2 Equipment	31
2.1 Exploded view - sun visors	31
2.2 Removing and installing sun visor	32
2.3 Removing and installing centre bracket for sun visor	32
3 Centre console	33
3.1 Exploded view - centre console	33
3.2 Removing and installing centre console trim (rear)	38

3.3	Removing and installing centre console insert	39
3.4	Removing and installing trim panel for centre console	41
3.5	Removing and installing centre console	42
3.6	Removing and installing brackets for centre console	46
3.7	Removing and installing storage compartment in centre console (front)	47
4	Centre armrest (front)	49
4.1	Exploded view - centre armrest (front)	49
4.2	Removing and installing centre armrest (top section)	49
4.3	Removing and installing centre armrest (front)	51
5	Interior mirror	52
5.1	Exploded view - interior mirror	52
5.2	Removing and installing interior mirror	53
5.3	Switching automatic anti-dazzle function on and off	55
5.4	Switching compass display on and off	56
5.5	Setting magnetic deflection zone	56
5.6	Calibrating digital compass	57
5.7	Adjusting automatic anti-dazzle interior mirror for right-hand drive or left-hand drive vehicles	58
5.8	Selecting the applicable deflection zone from the map	58
5.9	Checking operation of automatic anti-dazzle interior mirror	64
69 - Passenger protection	66
1	Seat belts	66
1.1	Overview of fitting locations - seat belts and anchorage points	66
1.2	Exploded view - three-point seat belt (front)	68
1.3	Exploded view - outer three-point seat belt (rear)	70
1.4	Exploded view - belt buckle (front)	71
1.5	Exploded view - belt buckle (rear)	72
1.6	Removing and installing three-point seat belt (front)	72
1.7	Removing and installing three-point seat belt (rear)	75
1.8	Removing and installing belt guide (front)	77
1.9	Removing and installing belt guide (rear)	78
1.10	Removing and installing belt end fitting (front)	78
1.11	Removing and installing belt buckle (front)	79
1.12	Removing and installing belt buckle (rear)	80
2	Child seat anchors	81
2.1	Exploded view - child seat anchors (front)	81
2.2	Exploded view - child seat anchors (rear)	82
2.3	Removing and installing child seat anchor (front)	83
2.4	Removing and installing child seat anchor (rear)	83
3	Airbag system	85
3.1	Overview of fitting locations - airbag system	85
4	Airbag control unit	87
4.1	Exploded view - airbag control unit	87
4.2	Removing and installing airbag control unit J234	87
5	Airbag (driver side)	91
5.1	Exploded view - airbag (driver side)	91
5.2	Removing and installing airbag unit with igniters	94
5.3	Renewing connector at airbag	99
6	Airbag (front passenger side)	102
6.1	Exploded view - airbag (front passenger side)	102
6.2	Removing and installing airbag unit (front passenger side) with igniters	105
6.3	Removing and installing key operated switch to deactivate airbag on front passenger side	109
7	Side airbags	112

7.1	Exploded view - side airbag (front)	112
7.2	Removing and installing side airbag (front) with airbag igniter	113
7.3	Removing and installing wire for side airbag	114
8	Knee airbags	116
8.1	Exploded view - knee airbag	116
8.2	Removing and installing knee airbag with airbag igniter	118
9	Crash sensors for airbags	124
9.1	Overview of fitting locations - crash sensors for airbags	124
9.2	Removing and installing front airbag crash sensor for driver side G283	125
9.3	Removing and installing front side airbag crash sensor G179 / G180	131
9.4	Removing and installing rear side airbag crash sensor G256	134
10	Seat position sensor	138
10.1	Exploded view - seat position sensor	138
10.2	Removing and installing seat position sensor	138
11	Belt-fastened recognition system	141
11.1	Removing and installing seat occupied sensor (front passenger side) G128	141
12	Seat occupied recognition system	143
12.1	Overview of fitting locations - seat occupied recognition system	143
12.2	Removing and installing seat occupied sensor	145
13	Automatic Rollover Support System	147
13.1	Exploded view - Automatic Rollover Support System	147
13.2	Removing and installing rollover bar	148
13.3	Retracting extended rollover bars	150
70 - Trim, insulation	151	
1	Door trim (front)	151
1.1	Exploded view - door trim (front)	151
1.2	Removing and installing loudspeaker trim	153
1.3	Removing and installing door trim (front)	154
1.4	Removing and installing trim panel	156
1.5	Removing and installing armrest (front)	157
1.6	Removing and installing interior door handle	159
2	Dash panel	160
2.1	Overview of fitting locations - dash panel	160
2.2	Exploded view - dash panel	161
2.3	Removing and installing dash panel cover (side)	163
2.4	Removing and installing dash panel vents	164
2.5	Removing and installing defroster vent (front centre)	165
2.6	Removing and installing defroster vent (side)	166
2.7	Removing and installing loudspeaker trim	167
2.8	Removing and installing trim panel for dash panel	168
2.9	Removing and installing cover for MMI screen	170
2.10	Removing and installing dash panel	171
3	Dash panel cross member	177
3.1	Exploded view - dash panel cross member	177
3.2	Removing and installing crash bar	179
3.3	Removing and installing dash panel cross member	180
4	Passenger compartment trim panels	184
4.1	Overview of fitting locations - passenger compartment trim panels	184
4.2	Exploded view - sill panel trim	186
4.3	Exploded view - A-pillar trim	187
4.4	Exploded view - trim for windscreen frame	189
4.5	Exploded view - side trim	190
4.6	Exploded view - back panel trim	191

4.7	Exploded view - foot rest and floor covering	192
4.8	Removing and installing sill panel trim	192
4.9	Removing and installing A-pillar trim	194
4.10	Removing and installing trim for windscreen frame	196
4.11	Removing and installing loudspeaker trim	197
4.12	Removing and installing side trim	198
4.13	Removing and installing back panel trim	202
4.14	Removing and installing foot rest	204
4.15	Removing and installing floor covering	205
5	Luggage compartment trim panels	207
5.1	Overview of fitting locations - luggage compartment trim panels	207
5.2	Exploded view - rear lid trim (bottom)	209
5.3	Exploded view - luggage compartment side trim	210
5.4	Exploded view - luggage compartment floor	212
5.5	Removing and installing rear lid trim (bottom)	212
5.6	Removing and installing lock carrier trim	215
5.7	Removing and installing fastening ring	216
5.8	Removing and installing luggage compartment side trim	216
5.9	Removing and installing luggage compartment trim (front)	218
5.10	Removing and installing luggage compartment trim (top)	218
5.11	Removing and installing grip for luggage compartment floor (rear)	219
6	Convertible roof compartment	221
6.1	Exploded view - convertible roof compartment	221
6.2	Removing and installing magnetic bracket	222
6.3	Removing and installing convertible roof compartment	223
6.4	Servicing convertible roof compartment	224
72 - Seat frames	229	
1	Overview - seat versions	229
1.1	Overview of fitting locations - seat versions	229
1.2	Attaching front seat to seat repair stand	230
2	Front seats	232
2.1	Overview of fitting locations - electrical and electronic components	232
2.2	Exploded view - front seat	236
2.3	Exploded view - front seat backrest	240
2.4	Exploded view - backrest release mechanism and Easy Entry system	244
2.5	Exploded view - head restraint	247
2.6	Exploded view - seat pan	250
2.7	Removing and installing front seat	259
2.8	Connecting and disconnecting airbag adapter	264
2.9	Removing and installing backrest adjustment unit	267
2.10	Removing and installing front seat backrest	268
2.11	Removing and installing lumbar support adjustment motor V125 / V126 / V129 / V130 ..	274
2.12	Removing and installing trim for backrest release mechanism	276
2.13	Removing and installing backrest release mechanism	279
2.14	Removing and installing slider	297
2.15	Removing and installing head restraint	298
2.16	Removing and installing head restraint guide	299
2.17	Removing and installing seat adjustment operating unit E470 / E471	300
2.18	Removing and installing lumbar support adjustment switch E176 / E177	301
2.19	Removing and installing massage function button E670 / E671	302
2.20	Removing and installing seat height adjustment unit	302
2.21	Removing and installing seat rake adjustment unit	306
2.22	Dismantling and assembling seat pan	309
2.23	Removing and installing seat longitudinal adjustment unit	321

2.24	Removing and installing control unit for seat functions	323
3	Rear seats	325
3.1	Exploded view - seat bench/individual seats	325
3.2	Exploded view - rear seat backrest	326
3.3	Exploded view - locking mechanism	328
3.4	Removing and installing seat bench/individual seats	329
3.5	Removing and installing centre storage compartment	330
3.6	Removing and installing rear seat backrest	330
3.7	Removing and installing locking mechanism for rear seat backrest	332
3.8	Removing and installing head restraint	334
3.9	Removing and installing head restraint guide	335
74 - Seat - padding, covers	337	
1	Covers and padding on front seats	337
1.1	Exploded view - seat pan cover and padding	337
1.2	Exploded view - backrest cover and padding	340
1.3	Exploded view - head restraint cover and padding	343
1.4	Overview - seat heating elements	344
1.5	Removing and installing seat pan cover and padding	347
1.6	Separating seat pan cover and padding	351
1.7	Removing and installing backrest cover and padding	353
1.8	Separating backrest cover and padding	361
1.9	Removing and installing head restraint cover and padding	362
1.10	Removing and installing seat heating element Z6 / Z8	364
1.11	Removing and installing backrest heating element Z7 / Z9	366
2	Covers and padding on rear seats	369
2.1	Exploded view - covers and padding	369
2.2	Removing and installing cover and padding	371
2.3	Detaching cover from padding	372