

## Contents

<b>00 - Technical data</b> .....	<b>1</b>
<b>1 Safety information</b> .....	<b>1</b>
1.1 Safety precautions when working on vehicles with high-voltage system .....	2
1.2 Safety precautions when working in the vicinity of high-voltage components .....	3
1.3 Safety precautions when working on vehicles with start/stop system .....	3
1.4 Safety precautions when using testers and measuring instruments during a road test .....	4
1.5 Safety precautions when working on pyrotechnic components .....	4
1.6 Storing, transporting and disposing of airbag units, belt tensioner units and battery isolators (pyrotechnic components) .....	6
1.7 Additional safety regulations for side airbags .....	6
1.8 Additional safety regulations for curtain airbags .....	7
1.9 Safety regulations for crash sensors (pressure sensors) for front side airbag .....	7
1.10 Additional safety regulations for working on seat occupied sensor controlling deactivation of front passenger airbag - country-specific version .....	8
1.11 Procedure for dealing with seat occupied sensor controlling deactivation of front passenger airbag following an accident - country-specific version .....	8
1.12 Renewing pyrotechnic, electrical and mechanical components of the restraint system following an accident .....	9
1.13 Checking airbag mounting components following an accident .....	10
1.14 Accident in which no airbag was triggered .....	11
1.15 Checking seat belts .....	11
1.16 Checking belt webbing .....	11
1.17 Checking automatic belt retractor (locking action) .....	12
1.18 Visual inspection of belt buckle .....	13
1.19 Functional check of belt buckle .....	13
1.20 Checking guide fittings and latch plate .....	13
1.21 Checking securing components and anchorage points following an accident .....	13
1.22 Checking child seat restraint function of seat belt for additional child seats (not for driver seat belt; country-specific version) .....	14
1.23 Checking child seat anchors following an accident .....	14
1.24 Safety regulations for automatic anti-dazzle interior mirror .....	15
<b>2 Repair instructions</b> .....	<b>16</b>
2.1 Contact corrosion .....	16
2.2 Routing and attachment of pipes, hoses and wiring .....	16
<b>68 - Interior equipment</b> .....	<b>17</b>
<b>1 Storage compartments/covers/trim panels</b> .....	<b>17</b>
1.1 Overview of fitting locations - storage compartments/covers/trim panels .....	17
1.2 Assembly overview - dash panel cover (driver side) .....	18
1.3 Assembly overview - steering column trim .....	19
1.4 Assembly overview - glove compartment .....	20
1.5 Removing and installing dash panel cover (driver side) .....	22
1.6 Removing and installing upper steering column trim .....	23
1.7 Removing and installing lower steering column trim .....	25
1.8 Removing and installing glove compartment opening mechanism .....	26
1.9 Removing and installing lock cylinder for glove compartment opening mechanism .....	27
1.10 Removing and installing glove compartment .....	29
1.11 Removing and installing glove compartment cover .....	32
1.12 Removing and installing restrictor for glove compartment cover .....	33
<b>2 Equipment</b> .....	<b>34</b>
2.1 Assembly overview - sun visors .....	34
2.2 Removing and installing sun visor .....	34
2.3 Removing and installing sun visor centre mount .....	36
2.4 Removing and installing grab handle .....	37



<b>3</b>	<b>Centre console</b>	<b>39</b>
3.1	Assembly overview - centre console	39
3.2	Removing and installing rear centre console trim	44
3.3	Removing and installing coin holder	46
3.4	Removing and installing centre console insert	46
3.5	Removing and installing trim panel for centre console	48
3.6	Removing and installing centre console	51
3.7	Removing and installing brackets for centre console	55
3.8	Removing and installing front centre console storage compartment	57
<b>4</b>	<b>Front centre armrest</b>	<b>60</b>
4.1	Assembly overview - front centre armrest	60
4.2	Removing and installing upper part of centre armrest	60
4.3	Removing and installing front centre armrest	62
<b>5</b>	<b>Interior mirror</b>	<b>63</b>
5.1	Assembly overview - interior mirror	63
5.2	Removing and installing interior mirror	64
5.3	Switching automatic anti-dazzle function on and off	68
5.4	Switching compass display on and off	69
5.5	Setting magnetic deflection zone	69
5.6	Calibrating digital compass	71
5.7	Adjusting automatic anti-dazzle interior mirror for right-hand drive or left-hand drive vehicles	72
5.8	Selecting the applicable deflection zone from the map	73
5.9	Checking operation of automatic anti-dazzle interior mirror	78
<b>69 - Passenger protection</b>		<b>80</b>
<b>1</b>	<b>Seat belts</b>	<b>80</b>
1.1	Overview of fitting locations - seat belts and anchorage points	80
1.2	Assembly overview - front three-point seat belt	84
1.3	Assembly overview - rear outer three-point seat belt	90
1.4	Assembly overview - rear centre three-point seat belt	92
1.5	Assembly overview - front belt buckle	93
1.6	Assembly overview - rear belt buckle	94
1.7	Removing and installing front three-point seat belt	96
1.8	Removing and installing rear three-point seat belt	105
1.9	Removing and installing front belt guide	111
1.10	Removing and installing rear belt guide	112
1.11	Removing and installing front belt end fitting	116
1.12	Removing and installing belt height adjuster	120
1.13	Removing and installing front belt buckle	121
1.14	Removing and installing rear belt buckle	122
<b>2</b>	<b>Child seat anchors</b>	<b>125</b>
2.1	Assembly overview - front child seat anchors	125
2.2	Assembly overview - rear child seat anchors	125
2.3	Removing and installing front child seat anchor	126
2.4	Removing and installing rear child seat anchor	127
<b>3</b>	<b>Airbag system</b>	<b>130</b>
3.1	Overview of fitting locations - airbag system	130
<b>4</b>	<b>Airbag control unit</b>	<b>137</b>
4.1	Assembly overview - airbag control unit	137
4.2	Removing and installing airbag control unit J234	137
<b>5</b>	<b>Battery isolation igniter</b>	<b>140</b>
5.1	Assembly overview - battery isolation igniter	140
5.2	Removing and installing battery isolation igniter	142
<b>6</b>	<b>Airbag (driver side)</b>	<b>145</b>

6.1	Assembly overview - driver airbag .....	145
6.2	Removing and installing airbag unit with igniters .....	148
6.3	Renewing connector at airbag .....	158
<b>7</b>	<b>Front passenger airbag .....</b>	<b>162</b>
7.1	Assembly overview - front passenger airbag .....	162
7.2	Removing and installing front passenger airbag unit with igniters .....	166
7.3	Removing and installing key-operated switch to deactivate airbag on front passenger side .....	170
<b>8</b>	<b>Side airbags .....</b>	<b>173</b>
8.1	Assembly overview - front side airbag .....	173
8.2	Assembly overview - rear side airbag .....	173
8.3	Removing and installing front side airbag with igniter .....	174
8.4	Removing and installing rear side airbag with igniter .....	176
<b>9</b>	<b>Curtain airbags .....</b>	<b>179</b>
9.1	Assembly overview - curtain airbag .....	179
9.2	Removing and installing curtain airbag with igniter .....	183
<b>10</b>	<b>Knee airbags .....</b>	<b>196</b>
10.1	Assembly overview - knee airbag .....	196
10.2	Removing and installing knee airbag with igniter .....	198
<b>11</b>	<b>Crash sensors for airbags .....</b>	<b>204</b>
11.1	Overview of fitting locations - crash sensors for airbags .....	204
11.2	Removing and installing front airbag crash sensor G283/G284 .....	207
11.3	Removing and installing front side airbag crash sensor G179/G180 .....	212
11.4	Removing and installing rear side airbag crash sensor G256/G257 .....	216
<b>12</b>	<b>Seat position sensor .....</b>	<b>219</b>
12.1	Assembly overview - seat position sensor .....	219
12.2	Removing and installing seat position sensor .....	219
<b>13</b>	<b>Belt-fastened recognition system .....</b>	<b>222</b>
13.1	Removing and installing seat occupied sensor on front passenger side G128 .....	222
<b>14</b>	<b>Seat occupied recognition system .....</b>	<b>224</b>
14.1	Overview of fitting locations - seat occupied recognition system .....	224
14.2	Removing and installing seat occupied sensor .....	226
<b>15</b>	<b>Pedestrian protection .....</b>	<b>229</b>
15.1	Assembly overview - pedestrian protection .....	229
15.2	Removing and installing crash sensor for pedestrian protection G570/G571 .....	234
15.3	Removing and installing centre crash sensor for pedestrian protection G693 .....	236
15.4	Removing and installing crash sensor 2 for pedestrian protection G851 and G852 .....	239
15.5	Removing and installing trigger for pedestrian protection G598/G599 .....	247
15.6	Resetting triggered pedestrian protection system .....	248
<b>70 - Trim, insulation</b>	<b>.....</b>	<b>249</b>
<b>1</b>	<b>Front door trim .....</b>	<b>249</b>
1.1	Assembly overview - front door trim .....	249
1.2	Removing and installing front door trim .....	252
1.3	Removing and installing trim panel .....	257
1.4	Removing and installing front armrest .....	257
1.5	Removing and installing interior door handle .....	263
1.6	Removing and installing window frame trim .....	263
<b>2</b>	<b>Rear door trim .....</b>	<b>266</b>
2.1	Assembly overview - rear door trim .....	266
2.2	Removing and installing rear door trim .....	268
2.3	Removing and installing trim panel .....	272
2.4	Removing and installing rear armrest .....	272
2.5	Removing and installing interior door handle .....	275
2.6	Removing and installing window frame trim .....	275



<b>3</b>	<b>Dash panel</b>	<b>278</b>
3.1	Overview of fitting locations - dash panel	278
3.2	Assembly overview - dash panel	278
3.3	Removing and installing dash panel cover (side)	282
3.4	Removing and installing dash panel vents	283
3.5	Removing and installing front centre defroster vent	284
3.6	Removing and installing side defroster vent	286
3.7	Removing and installing loudspeaker trim	286
3.8	Removing and installing trim panel for dash panel	287
3.9	Removing and installing cover for MMI screen	290
3.10	Removing and installing dash panel	291
<b>4</b>	<b>Dash panel cross member</b>	<b>297</b>
4.1	Assembly overview - dash panel cross member	297
4.2	Removing and installing crash bar	299
4.3	Removing and installing dash panel cross member	301
<b>5</b>	<b>Passenger compartment trim panels</b>	<b>306</b>
5.1	Overview of fitting locations - passenger compartment trim panels	306
5.2	Assembly overview - sill panel moulding	309
5.3	Assembly overview - A-pillar trim	312
5.4	Assembly overview - B-pillar trim	316
5.5	Assembly overview - C-pillar trim	320
5.6	Assembly overview - D-pillar trim	323
5.7	Assembly overview - side trim	325
5.8	Assembly overview - foot rest and floor covering	326
5.9	Assembly overview - rear shelf	327
5.10	Removing and installing sill panel moulding	329
5.11	Removing and installing A-pillar trim	334
5.12	Removing and installing B-pillar trim	342
5.13	Removing and installing C-pillar trim	349
5.14	Removing and installing D-pillar trim	355
5.15	Removing and installing loudspeaker trim	359
5.16	Removing and installing side trim	361
5.17	Removing and installing foot rest	363
5.18	Removing and installing floor covering	365
5.19	Removing and installing rear shelf	367
<b>6</b>	<b>Luggage compartment trim panels</b>	<b>369</b>
6.1	Overview of fitting locations - luggage compartment trim panels	369
6.2	Assembly overview - upper rear lid trim	371
6.3	Assembly overview - lower rear lid trim	372
6.4	Assembly overview - lock carrier trim	375
6.5	Assembly overview - luggage compartment side trim	376
6.6	Assembly overview - luggage compartment floor	380
6.7	Removing and installing tail light cover	383
6.8	Removing and installing lower rear lid trim	383
6.9	Removing and installing upper rear lid trim	388
6.10	Removing and installing lock carrier trim	389
6.11	Removing and installing bag hook	391
6.12	Removing and installing fastening ring	392
6.13	Removing and installing luggage compartment side trim	393
6.14	Removing and installing grip for rear luggage compartment floor	398
6.15	Removing and installing lining for spare wheel well	399
<b>7</b>	<b>Roof trim panels</b>	<b>402</b>
7.1	Assembly overview - moulded headliner	402
7.2	Removing and installing moulded headliner	406
7.3	Lowering moulded headliner for removal of roof aerial	418

7.4	Attaching roof reinforcement to body .....	421
<b>72 - Seat frames .....</b>		<b>426</b>
1	<b>Overview - seat versions .....</b>	<b>426</b>
1.1	Overview of fitting locations - seat versions .....	426
<b>2</b>	<b>Front seats .....</b>	<b>429</b>
2.1	Overview of fitting locations - electrical and electronic components .....	429
2.2	Assembly overview - front seat .....	432
2.3	Assembly overview - front seat backrest .....	438
2.4	Assembly overview - backrest release mechanism and easy entry system .....	442
2.5	Assembly overview - head restraint .....	445
2.6	Assembly overview - seat pan .....	447
2.7	Removing and installing front seat .....	457
2.8	Connecting and disconnecting airbag adapter .....	463
2.9	Attaching front seat to seat repair stand .....	465
2.10	Removing and installing backrest adjustment unit .....	466
2.11	Removing and installing front seat backrest .....	471
2.12	Removing and installing lumbar support adjustment motor V125/V126/V129/V130 .....	477
2.13	Removing and installing trim for backrest release mechanism .....	480
2.14	Removing and installing backrest release mechanism .....	483
2.15	Removing and installing slider .....	503
2.16	Removing and installing head restraint .....	504
2.17	Removing and installing head restraint guide .....	505
2.18	Removing and installing lumbar support adjustment switch E176/E177 .....	507
2.19	Removing and installing massage function button E670/E671 .....	508
2.20	Removing and installing seat height adjustment unit .....	508
2.21	Removing and installing seat rake adjustment unit .....	514
2.22	Dismantling and assembling seat pan .....	517
2.23	Removing and installing control unit for seat functions .....	538
<b>3</b>	<b>Rear seats .....</b>	<b>539</b>
3.1	Assembly overview - bench seat/individual seats .....	539
3.2	Assembly overview - rear seat backrest .....	540
3.3	Assembly overview - locking mechanism .....	543
3.4	Assembly overview - centre armrest .....	543
3.5	Assembly overview - head restraint and head restraint guide .....	544
3.6	Removing and installing bench seat/individual seats .....	545
3.7	Removing and installing centre storage compartment .....	547
3.8	Removing and installing rear seat backrest .....	548
3.9	Removing and installing trim for locking mechanism .....	554
3.10	Removing and installing locking mechanism for rear seat backrest .....	555
3.11	Removing and installing trim frame for load-through hatch .....	555
3.12	Removing and installing flap for load-through hatch .....	558
3.13	Removing and installing centre armrest .....	559
3.14	Removing and installing head restraint .....	561
3.15	Removing and installing head restraint guide .....	562
<b>74 - Seat - padding, covers .....</b>		<b>563</b>
1	<b>Covers and padding on front seats .....</b>	<b>563</b>
1.1	Assembly overview - seat pan cover and padding .....	563
1.2	Assembly overview - backrest cover and padding .....	566
1.3	Assembly overview - head restraint cover and padding .....	569
1.4	Overview - seat heating elements .....	570
1.5	Removing and installing seat pan cover and padding .....	574
1.6	Separating seat pan cover and padding .....	579
1.7	Removing and installing backrest cover and padding .....	582
1.8	Separating backrest cover and padding .....	589

1.9	Removing and installing head restraint cover and padding . . . . .	590
1.10	Removing and installing seat heater element Z6/Z8 . . . . .	593
1.11	Removing and installing backrest heater element Z7/Z9 . . . . .	596
<b>2</b>	<b>Covers and padding on rear seats . . . . .</b>	<b>600</b>
2.1	Assembly overview - cover and padding . . . . .	600
2.2	Removing and installing cover and padding . . . . .	604
2.3	Removing and installing intermediate padding - backrest with load-through hatch . . . . .	608
2.4	Detaching cover from padding . . . . .	609