

Contents

00 - Technical data	1
1 Safety information	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 isolators (pyrotechnic components)	5
1.5 Additional safety regulations for airbag control units	6
1.6 Additional safety regulations for side airbags	6
1.7 Additional safety regulations for curtain airbags	7
1.8 Safety regulations for crash sensors (pressure sensors) for front side airbag	7
1.9 Additional safety regulations for working on seat occupied sensor controlling deactivation of front passenger airbag - country-specific version	8
1.10 Procedure for dealing with seat occupied sensor controlling deactivation of front passenger airbag following an accident - country-specific version	9
1.11 Renewing pyrotechnic, electrical and mechanical components of the restraint system following an accident	9
1.12 Checking airbag mounting components following an accident	10
1.13 Accident in which no airbag was triggered	11
1.14 Checking seat belts	11
1.15 Checking belt webbing	11
1.16 Checking automatic belt retractor (locking action)	12
1.17 Visual inspection of belt buckle	13
1.18 Functional check of belt buckle	13
1.19 Checking guide fittings and latch plate	13
1.20 Checking securing components and anchorage points following an accident	13
1.21 Checking child seat restraint function of seat belt for additional child seats (not for driver seat belt; country-specific version)	14
1.22 Checking child seat anchors following an accident	14
1.23 Safety regulations for automatic anti-dazzle interior mirror	15
1.24 Safety regulations for Automatic Rollover Support System	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	17
68 - Interior equipment	18
1 Storage compartments/covers/trim panels	18
1.1 Overview of fitting locations - storage compartments/covers/trim panels	18
1.2 Assembly overview - dash panel cover (driver side)	20
1.3 Assembly overview - steering column trim	21
1.4 Assembly overview - glove compartment	22
1.5 Removing and installing dash panel cover (driver side)	24
1.6 Removing and installing footwell cover (driver side)	24
1.7 Removing and installing upper steering column trim	24
1.8 Removing and installing lower steering column trim	26
1.9 Removing and installing glove compartment opening mechanism	27
1.10 Removing and installing lock cylinder for glove compartment opening mechanism	28
1.11 Removing and installing glove compartment	29
1.12 Removing and installing glove compartment cover	32
1.13 Removing and installing restrictor for glove compartment cover	33
2 Equipment	34
2.1 Assembly overview - sun visors	34

2.2	Assembly overview - windbreak	35
2.3	Removing and installing sun visor	37
2.4	Removing and installing sun visor centre mount	38
2.5	Removing and installing grab handle	39
2.6	Servicing windbreak	40
2.7	Removing and installing mounting for windbreak	41
3	Centre console	42
3.1	Assembly overview - centre console	42
3.2	Removing and installing rear centre console trim	50
3.3	Removing and installing rear ashtray	50
3.4	Removing and installing centre console insert	50
3.5	Removing and installing front centre console storage compartment	52
3.6	Removing and installing centre console trim	53
3.7	Removing and installing front centre console footwell trim	54
3.8	Removing and installing centre console	54
3.9	Removing and installing trim panel for centre console	55
3.10	Removing and installing cup holders	59
3.11	Removing and installing vent (rear) in centre console	59
3.12	Removing and installing bracket for centre console	60
4	Front centre armrest	61
4.1	Assembly overview - front centre armrest	61
4.2	Removing and installing front centre armrest	62
4.3	Removing and installing upper part of centre armrest	62
4.4	Removing and installing trim for hinge arm	64
5	Interior mirror	65
5.1	Assembly overview - interior mirror	65
5.2	Removing and installing interior mirror	66
5.3	Setting magnetic deflection zone	68
5.4	Calibrating digital compass	68
5.5	Adjusting automatic anti-dazzle interior mirror for right-hand drive or left-hand drive vehicles	69
5.6	Selecting the applicable deflection zone from the map	69
69 - Passenger protection		76
1	Seat belts	76
1.1	Overview of fitting locations - seat belts and anchorage points	76
1.2	Assembly overview - front three-point seat belt	82
1.3	Assembly overview - belt feeder motor	88
1.4	Assembly overview - rear outer three-point seat belt	89
1.5	Assembly overview - rear centre three-point seat belt	91
1.6	Assembly overview - front belt buckle	92
1.7	Assembly overview - rear belt buckle	93
1.8	Removing and installing front three-point seat belt	97
1.9	Removing and installing belt feeder motor V604 / V605	104
1.10	Removing and installing rear three-point seat belt	105
1.11	Removing and installing rear belt guide	113
1.12	Removing and installing front belt guide	116
1.13	Removing and installing front belt guide fitting	117
1.14	Removing and installing front belt end fitting	118
1.15	Removing and installing rear outer belt end fitting	120
1.16	Removing and installing belt height adjuster	121
1.17	Removing and installing front belt buckle	122
1.18	Removing and installing rear belt buckle	123
2	Child seat anchors	125
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	128
2.4	Removing and installing rear child seat anchor	129
3	Airbag system	132
3.1	Overview of fitting locations - airbag system	132
4	Airbag control unit	137
4.1	Assembly overview - airbag control unit	137
4.2	Removing and installing airbag control unit J234	137
5	Battery isolation igniter	141
5.1	Assembly overview - battery isolation igniter	141
5.2	Removing and installing battery isolation igniter	141
6	Driver airbag	144
6.1	Assembly overview - driver airbag	144
6.2	Removing and installing airbag unit with igniters	145
6.3	Removing and installing connector at airbag	155
7	Front passenger airbag	158
7.1	Assembly overview - front passenger airbag	158
7.2	Removing and installing front passenger airbag unit with igniters	160
7.3	Removing and installing key-operated switch to deactivate airbag on front passenger side	163
8	Side airbags	164
8.1	Assembly overview - front side airbag	164
8.2	Assembly overview - rear side airbag	165
8.3	Removing and installing front side airbag with igniter	166
8.4	Removing and installing front side airbag with airbag igniter - bucket seat	173
8.5	Removing and installing rear side airbag with igniter	175
8.6	Removing and installing wire for side airbag	177
9	Curtain airbags	186
9.1	Assembly overview - curtain airbag	186
9.2	Removing and installing curtain airbag with igniter	186
10	Knee airbags	191
10.1	Assembly overview - knee airbag	191
10.2	Removing and installing knee airbag with igniter	193
11	Crash sensors for airbags	199
11.1	Overview of fitting locations - crash sensors for airbags	199
11.2	Removing and installing front airbag crash sensor for driver side G283	201
11.3	Removing and installing front side airbag crash sensor G179 / G180	204
11.4	Removing and installing rear side airbag crash sensor G256 / G257	207
12	Seat position sensor	211
12.1	Assembly overview - seat position sensor	211
12.2	Removing and installing seat position sensor	212
13	Belt-fastened recognition system	214
13.1	Removing and installing seat occupied sensor on front passenger side G128	214
14	Seat occupied recognition system	215
14.1	Overview of fitting locations - seat occupied recognition system	215
14.2	Removing and installing seat occupied sensor	216
15	Automatic Rollover Support System	219
15.1	Assembly overview - Automatic Rollover Support System	219
15.2	Removing and installing rollover bar	220
15.3	Retracting extended rollover bars	223
16	Pedestrian protection	224
16.1	Assembly overview - pedestrian protection	224
16.2	Removing and installing centre crash sensor for pedestrian protection G693	226
16.3	Removing and installing crash sensor for pedestrian protection	229

16.4	Resetting triggered pedestrian protection system	231
16.5	Removing and installing trigger for pedestrian protection G598 / G599	232
70 - Trim, insulation	237	
1	Front door trim	237
1.1	Assembly overview - front door trim	237
1.2	Removing and installing front door trim	239
1.3	Removing and installing front door puller	242
1.4	Removing and installing interior door handle	242
2	Rear door trim	244
2.1	Assembly overview - rear door trim	244
2.2	Removing and installing loudspeaker trim in door trim	246
2.3	Removing and installing interior door handle	247
2.4	Removing and installing rear door trim	247
2.5	Removing and installing rear door puller	249
3	Dash panel	251
3.1	Assembly overview - dash panel	251
3.2	Removing and installing dash panel cover (side)	254
3.3	Removing and installing cover for MMI screen	255
3.4	Removing and installing trim for dash panel insert	256
3.5	Removing and installing loudspeaker trim	257
3.6	Removing and installing trim for light switch	258
3.7	Removing and installing dash panel	258
3.8	Removing and installing trim for operating and display unit	264
3.9	Removing and installing loudspeaker mounting	264
3.10	Removing and installing outer dash panel vent	265
3.11	Removing and installing centre vent	266
3.12	Removing and installing bracket for infotainment system display	267
3.13	Removing and installing front centre defroster vent	268
3.14	Removing and installing side defroster vent	269
4	Dash panel cross member	270
4.1	Assembly overview - dash panel cross member	270
4.2	Removing and installing dash panel cross member	273
4.3	Removing and installing cross member brace	278
5	Passenger compartment trim panels	279
5.1	Overview of fitting locations - passenger compartment trim panels	279
5.2	Assembly overview - sill panel moulding	282
5.3	Assembly overview - A-pillar trim	285
5.4	Assembly overview - B-pillar trim	287
5.5	Assembly overview - C-pillar trim	289
5.6	Assembly overview - D-pillar trim	291
5.7	Assembly overview - windscreen frame trim	292
5.8	Assembly overview - side trim	293
5.9	Assembly overview - back panel trim	296
5.10	Assembly overview - foot rest and floor covering	297
5.11	Assembly overview - rear shelf	298
5.12	Removing and installing sill panel moulding	300
5.13	Removing and installing A-pillar trim	303
5.14	Removing and installing B-pillar trim	310
5.15	Removing and installing C-pillar trim	314
5.16	Removing and installing D-pillar trim	318
5.17	Removing and installing windscreen frame trim	319
5.18	Removing and installing side trim	320
5.19	Removing and installing back panel trim	327
5.20	Removing and installing foot rest	329

5.21	Removing and installing floor covering	329
5.22	Removing and installing rear shelf	331
5.23	Removing and installing loudspeaker trim	332
6	Luggage compartment trim panels	335
6.1	Overview of fitting locations - luggage compartment trim panels	335
6.2	Assembly overview - luggage compartment side trim	338
6.3	Assembly overview - luggage compartment floor	344
6.4	Assembly overview - lower rear lid trim	350
6.5	Removing and installing lower rear lid trim	356
6.6	Removing and installing upper rear lid trim	362
6.7	Removing and installing luggage compartment side trim	363
6.8	Removing and installing luggage compartment floor	369
6.9	Removing and installing lock carrier trim	372
6.10	Removing and installing fastening ring	373
6.11	Removing and installing bag hook	374
6.12	Removing and installing grip for rear luggage compartment floor	374
6.13	Removing and installing tail light cover	375
6.14	Removing and installing lining for spare wheel well	375
7	Roof trim panels	377
7.1	Assembly overview - moulded headliner	377
7.2	Removing and installing moulded headliner	379
7.3	Lowering moulded headliner	381
7.4	Attaching roof reinforcement to body	388
8	Convertible roof compartment	391
8.1	Assembly overview - convertible roof compartment	391
8.2	Assembly overview - convertible roof compartment tray	392
8.3	Assembly overview - convertible roof compartment trim	394
8.4	Removing and installing convertible roof compartment tray	396
8.5	Removing and installing mounting bracket for convertible roof compartment tray	397
8.6	Removing and installing trim for convertible roof compartment tray	398
8.7	Removing and installing left motor for convertible roof box V433	399
8.8	Removing and installing side trim for convertible roof compartment	400
8.9	Removing and installing trim (centre) for convertible roof compartment	402
72 - Seat frames	404	
1	Overview - seat versions	404
1.1	Overview of fitting locations - seat versions	404
2	Front seats	410
2.1	Overview of fitting locations - electrical and electronic components	410
2.2	Assembly overview - front seat	417
2.3	Assembly overview - backrest release mechanism and easy entry system	419
2.4	Assembly overview - front seat backrest	422
2.5	Assembly overview - head restraint	427
2.6	Assembly overview - seat pan	430
2.7	Removing and installing front seat	440
2.8	Attaching front seat to seat repair stand	446
2.9	Connecting and disconnecting airbag adapter	446
2.10	Connecting and disconnecting modular wiring	450
2.11	Removing and installing seat longitudinal adjuster	454
2.12	Removing and installing seat height adjuster	458
2.13	Removing and installing seat rake adjuster	462
2.14	Removing and installing backrest adjuster	463
2.15	Removing and installing front seat backrest	469
2.16	Removing and installing backrest cover panel	476
2.17	Removing and installing backrest cover panel - bucket seat	480

2.18	Removing and installing backrest fan	481
2.19	Removing and installing head restraint	482
2.20	Removing and installing head restraint guide	486
2.21	Dismantling and assembling seat pan	489
2.22	Removing and installing seat adjustment operating unit E470 / E471	496
2.23	Removing and installing lumbar support adjustment switch E663 / E664	496
2.24	Removing and installing massage function button E670 / E671	498
2.25	Removing and installing trim for backrest release mechanism	498
2.26	Removing and installing backrest release mechanism	499
2.27	Removing and installing lumbar support adjustment motor V125 / V126 / V129 / V130 ..	508
2.28	Removing and installing control unit for seat functions	510
2.29	Removing and installing seat cushion fan	511
2.30	Removing and installing slider	512
3	Rear seats	514
3.1	Assembly overview - bench seat/individual seats	514
3.2	Assembly overview - head restraint and head restraint guide	517
3.3	Assembly overview - rear seat backrest	519
3.4	Assembly overview - locking mechanism	525
3.5	Assembly overview - centre armrest	527
3.6	Assembly overview - backrest remote release mechanism	527
3.7	Removing and installing bench seat/individual seats	528
3.8	Removing and installing tray	530
3.9	Removing and installing head restraint	530
3.10	Removing and installing head restraint guide	531
3.11	Removing and installing rear seat backrest	534
3.12	Removing and installing trim for locking mechanism	539
3.13	Removing and installing locking mechanism for rear seat backrest	541
3.14	Removing and installing lock cylinder	543
3.15	Removing and installing outer bearing sleeve	544
3.16	Removing and installing inner pivot pin	545
3.17	Removing and installing trim for rear seat backrest (centre)	545
3.18	Removing and installing padding cover for rear seat backrest (centre)	546
3.19	Removing and installing trim for rear seat backrest locking mechanism	547
3.20	Removing and installing centre mounting	548
3.21	Removing and installing centre armrest	548
3.22	Removing and installing backrest remote release mechanism	550
4	Front seat pneumatic system	554
4.1	Connection diagram - pneumatic system	554
4.2	Assembly overview - pneumatic system	555
4.3	Checking pneumatic system	556
4.4	Severing and connecting pneumatic lines	562
4.5	Servicing pneumatic lines	563
4.6	Removing and installing air cushion for lumbar support	564
4.7	Removing and installing air cushion for backrest bolster adjuster	565
4.8	Removing and installing control unit for multicontour seat J872 / J873	566
4.9	Removing and installing lumbar support adjustment pump V152 / V153	568
74 - Seat - padding, covers	569	
1	Covers and padding on front seats	569
1.1	Assembly overview - seat pan cover and padding	569
1.2	Assembly overview - backrest cover and padding	574
1.3	Assembly overview - backrest cover and padding, bucket seat	576
1.4	Assembly overview - seat heater elements	578
1.5	Removing and installing seat pan cover and padding	581
1.6	Removing and installing backrest cover and padding	589
1.7	Separating seat pan cover and padding	597

1.8	Separating backrest cover and padding	598
1.9	Removing and installing seat heater element	599
1.10	Removing and installing backrest heater element	602
2	Covers and padding on rear seats	604
2.1	Assembly overview - cover and padding	604
2.2	Assembly overview - seat heater elements	608
2.3	Removing and installing cover and padding	610
2.4	Detaching cover from padding	615
2.5	Removing and installing side padding	617
2.6	Removing and installing seat heater element	618
2.7	Removing and installing backrest heater element	619