



Contents

00 - Technical data	1
1 Safety information	1
1.1 Safety measures when working on vehicles with start/stop system	1
2 Repair notes	2
2.1 Routing and attachment of lines	2
2.2 Contact corrosion	2
2.3 Bonding surfaces for self-adhesive components	2
2.4 Secured threaded connections	2
50 - Body - front	3
1 Lock carrier	3
1.1 Assembly overview – lock carrier	3
1.2 Removing and installing lock carrier	7
1.3 Moving to and back from service position	10
2 Wings	15
2.1 Assembly overview - wing	15
2.2 Removing and installing wing	15
3 Plenum chamber bulkhead	21
3.1 Assembly overview - plenum chamber bulkhead	21
3.2 Assembly overview - plenum chamber cover	21
3.3 Removing and installing bulkhead	22
3.4 Removing and installing plenum chamber cover	26
55 - Bonnet, rear lid	31
1 Bonnet	31
1.1 Assembly overview - bonnet	31
1.2 Assembly overview - Bowden cable	33
1.3 Removing and installing bonnet	34
1.4 Adjusting bonnet	36
1.5 Removing and installing rear lid lock	43
1.6 Removing and installing striker pin	48
1.7 Removing and installing hinges	49
1.8 Removing and installing insulation	54
1.9 Removing and installing gas strut	56
1.10 Releasing gas from gas strut	58
1.11 Removing and installing Bowden cable	59
1.12 Removing and installing bonnet release lever	66
2 Tailgate	71
2.1 Assembly overview - rear lid	71
2.2 Removing and installing rear lid	73
2.3 Adjusting rear lid	77
2.4 Removing and installing rear lid lock	83
2.5 Removing and installing operating mechanism	95
2.6 Removing and installing hinges	97
2.7 Removing and installing striker pin	100
2.8 Removing and installing rear lid seal	101
2.9 Removing and installing gas strut	103
2.10 Releasing gas from gas strut	104
2.11 Removing and installing drive unit for rear lid VX69	105
2.12 Removing and installing rear lid control unit J605	108
3 Tank flap unit	109
3.1 Assembly overview - tank flap unit	109



3.2	Removing and installing tank flap unit	109
3.3	Removing and installing fuel tank flap	113
3.4	Assembly overview – charging flap unit	115
57	- Front doors, door components, central locking	117
1	Door	117
1.1	Assembly overview - door	117
1.2	Removing and installing inner door seal	120
1.3	Removing and installing outer door seal	122
1.4	Removing and installing door	126
1.5	Adjusting door	130
1.6	Adjusting striker pin	132
1.7	Removing and installing door arrester	134
2	Door components	137
2.1	Assembly overview - door components	137
2.2	Assembly overview - window regulator	138
2.3	Assembly overview - door handle and door lock	139
2.4	Removing and installing window regulator motor	141
2.5	Removing and installing window regulator	143
2.6	Removing and installing power latching motor	146
2.7	Removing and installing inner door cover	149
2.8	Removing and installing striker pin	151
2.9	Removing and installing cap on door handle	153
2.10	Removing and installing lock cylinder	159
2.11	Removing and installing door handle	162
2.12	Removing and installing mounting bracket	166
2.13	Removing and installing door lock	168
2.14	Removing and installing window channel	175
2.15	Removing and installing window slot outer seal	178
2.16	Removing and installing window slot inner seal	180
3	Central locking	182
3.1	Overview of fitting locations - central locking	182
3.2	Assembly overview - ignition key	184
3.3	Removing and installing driver door control unit J386 and front passenger door control unit J387	185
3.4	Removing and installing tank filler flap locking motor V155	186
3.5	Removing and installing ignition key battery	187
58	- Rear doors, door components	190
1	Door	190
1.1	Assembly overview - door	190
1.2	Removing and installing door	193
1.3	Adjusting door	195
1.4	Adjusting striker pin	198
1.5	Removing and installing door arrester	200
1.6	Removing and installing inner door seal	202
1.7	Removing and installing outer door seal	205
2	Door components	210
2.1	Assembly overview - door components	210
2.2	Assembly overview - window regulator	211
2.3	Assembly overview - door handle and door lock	212
2.4	Removing and installing window regulator motor	214
2.5	Removing and installing window regulator	216
2.6	Removing and installing inner door cover	220
2.7	Removing and installing striker pin	224
2.8	Removing and installing cap on door handle	226



2.9	Removing and installing door handle	230
2.10	Removing and installing mounting bracket	232
2.11	Removing and installing door lock	235
2.12	Removing and installing power latching motor V329	240
2.13	Removing and installing window channel	242
2.14	Removing and installing window slot outer seal	245
2.15	Removing and installing window slot inner seal	247
60	- Sunroof	248
1	Sliding sunroof	248
1.1	Assembly overview - sliding sunroof	248
1.2	Assembly overview - sunroof roller blind	250
1.3	Assembly overview - wind deflector	251
1.4	Removing and installing sunroof panel	252
1.5	Removing and installing rear sunroof panel	254
1.6	Adjusting sunroof panel	256
1.7	Removing and installing tilt mechanism for sliding sunroof	258
1.8	Removing and installing guide rail for tilt mechanism	260
1.9	Removing and installing sliding sunroof seals	262
1.10	Removing and installing wind deflector	264
1.11	Removing and installing wind deflector bracket	265
1.12	Removing and installing sunroof motor V1	266
1.13	Removing and installing sunroof roller blind motor V260	266
1.14	Removing and installing sunroof roller blind control unit J394	268
1.15	Removing and installing sliding sunroof adjustment control unit J245	268
1.16	Adapting sliding sunroof adjustment control unit J245	269
1.17	Removing and installing sunroof roller blind	270
1.18	Removing and installing sliding sunroof frame	274
2	Water drain hoses	276
2.1	Assembly overview - water drain hoses	276
2.2	Cleaning water drain hoses	277
2.3	Removing and installing water drain hoses	278
63	- Bumpers	282
1	Bumper, front	282
1.1	Assembly overview - bumper cover	282
1.2	Assembly overview - impact bar	286
1.3	Removing and installing bumper cover	288
1.4	Removing and installing impact bar	291
1.5	Repairing bumper cover	292
2	Bumper, rear	296
2.1	Assembly overview - bumper cover	296
2.2	Assembly overview - impact bar	300
2.3	Removing and installing bumper cover	301
2.4	Removing and installing impact bar	305
2.5	Repairing bumper cover	306
64	- Glazing	315
1	Repair notes	315
1.1	Minimum curing periods for bonded windows	315
1.2	Window repair	315
1.3	Installation instructions for bonded windows	316
1.4	Preparing old undamaged windows for fitting	317
1.5	Preparing new windows for installing	318
1.6	Preparing body flange for fitting	319
1.7	Cleaning off excess adhesive	320



2	Windscreen	321
2.1	Assembly overview - windscreen	321
2.2	Removing and installing windscreen	322
3	Rear windscreen	330
3.1	Assembly overview - rear window	330
3.2	Removing and installing rear window	331
4	Side window	335
4.1	Assembly overview - rear side windows	335
4.2	Removing and installing rear side window	336
5	Door windows	341
5.1	Assembly overview - front door window	341
5.2	Assembly overview - rear door window	341
5.3	Removing and installing front door window	342
5.4	Removing and installing rear door window	346
5.5	Removing and installing fixed front door window	349
66	- Exterior equipment	355
1	Radiator grille and front trim	355
1.1	Assembly overview – radiator grille	355
1.2	Removing and installing radiator grille	356
2	Spoiler	360
2.1	Assembly overview - spoiler	360
2.2	Removing and installing spoiler	360
3	Mouldings, trims, extensions	364
3.1	Assembly overview - wheel arch covers	364
3.2	Assembly overview - B-pillar trim	365
3.3	Assembly overview - water deflector	366
3.4	Removing and installing cover	367
3.5	Removing and installing B-pillar trim on door	375
3.6	Removing and installing C-pillar trim on door	379
3.7	Removing and installing trim strip	381
3.8	Removing and installing entry moulding	382
3.9	Removing and installing wheel arch covers	385
3.10	Removing and installing water deflector	391
4	Noise insulation	392
4.1	Assembly overview - noise insulation	392
4.2	Removing and installing noise insulation	393
5	Underbody cladding	396
5.1	Overview of fitting locations - underbody cladding	396
5.2	Assembly overview - bracing on underbody	398
5.3	Removing and installing underbody cladding	400
5.4	Removing and installing tunnel cross-piece	404
5.5	Removing and installing diagonal struts	406
5.6	Removing and installing skid plate	408
6	Roof moulding and roof railing	410
6.1	Assembly overview - roof railing	410
6.2	Removing and installing roof railing	410
7	Exterior mirror	414
7.1	Assembly overview - exterior mirror	414
7.2	Removing and installing exterior mirror	415
7.3	Removing and installing mirror glass	418
7.4	Removing and installing mirror adjustment unit	420
7.5	Removing and installing mirror cover	422
7.6	Removing and installing mirror trim	424



7.7	Removing and installing turn signal	425
7.8	Removing and installing entry light in exterior mirror	427
8	Wheel housing liner	429
8.1	Assembly overview - front wheel housing liner	429
8.2	Assembly overview - rear wheel housing liner	430
8.3	Removing and installing front wheel housing liner	430
8.4	Removing and installing rear wheel housing liner	432
9	Lettering and emblems	434
9.1	Dimensions - lettering and emblems on rear	434
9.2	Dimensions - lettering and emblems on sides	436
9.3	Removing and installing badges at front	437
9.4	Renewing lettering and badges at rear	440
10	Towing bracket	442
10.1	Assembly overview - towing bracket	442
10.2	Removing and installing towing bracket	442
11	Heat shields	445
11.1	Overview of fitting locations - heat shields	445
11.2	Removing and installing underbody heat shield	449