



## Contents

<b>50 - Body - front</b>	<b>1</b>
<b>1 Lock carrier</b>	<b>1</b>
1.1 Assembly overview – lock carrier	1
1.2 Removing and installing lock carrier	3
1.3 Moving to and back from service position	5
<b>2 Wings</b>	<b>10</b>
2.1 Assembly overview - wing	10
2.2 Removing and installing wing	10
<b>3 Bulkhead</b>	<b>15</b>
3.1 Assembly overview - plenum chamber bulkhead	15
3.2 Assembly overview - plenum chamber cover	15
3.3 Removing and installing plenum chamber bulkhead	16
3.4 Removing and installing plenum chamber cover	17
<b>55 - Bonnet, rear lid</b>	<b>21</b>
<b>1 Bonnet</b>	<b>21</b>
1.1 Assembly overview - bonnet	21
1.2 Assembly overview - Bowden cable	23
1.3 Assembly overview - gas strut	23
1.4 Removing and installing bonnet	24
1.5 Adjusting bonnet	26
1.6 Removing and installing rear lid lock	32
1.7 Removing and installing bonnet release lever	37
1.8 Removing and installing striker pin	39
1.9 Removing and installing hinges	41
1.10 Removing and installing insulation	43
1.11 Removing and installing gas strut	45
1.12 Releasing gas from gas strut	47
1.13 Removing and installing Bowden cable	47
<b>2 Rear lid</b>	<b>51</b>
2.1 Assembly overview - rear lid	51
2.2 Assembly overview - gas strut	54
2.3 Removing and installing rear lid	55
2.4 Adjusting rear lid	57
2.5 Removing and installing rear lid lock	64
2.6 Removing and installing operating mechanism	76
2.7 Removing and installing hinges	81
2.8 Removing and installing striker pin	84
2.9 Removing and installing rear lid seal	85
2.10 Removing and installing gas strut	87
2.11 Releasing gas from gas strut	89
2.12 Removing and installing drive unit for rear lid VX69	91
2.13 Removing and installing rear lid control unit J605	96
<b>3 Tank flap unit</b>	<b>98</b>
3.1 Assembly overview - tank flap unit	98
3.2 Removing and installing tank flap unit	98
3.3 Removing and installing fuel tank flap	101
<b>4 Charging flap unit</b>	<b>104</b>
4.1 Assembly overview - Charging flap unit	104
4.2 Removing and installing charging flap unit	104
<b>57 - Front doors, door components, central locking</b>	<b>107</b>



<b>1</b>	<b>Door</b>	<b>107</b>
1.1	Assembly overview - door	107
1.2	Removing and installing inner door seal	110
1.3	Removing and installing outer door seal	113
1.4	Removing and installing door	115
1.5	Adjusting door	118
1.6	Adjusting striker pin	121
1.7	Removing and installing door arrester	123
<b>2</b>	<b>Door components</b>	<b>126</b>
2.1	Assembly overview - door components	126
2.2	Assembly overview - window regulator	128
2.3	Assembly overview - door handle and door lock	129
2.4	Removing and installing window regulator motor	130
2.5	Removing and installing window regulator	133
2.6	Removing and installing inner door cover	136
2.7	Removing and installing striker pin	138
2.8	Removing and installing cap on door handle	140
2.9	Removing and installing lock cylinder	146
2.10	Removing and installing door handle	150
2.11	Removing and installing mounting bracket	154
2.12	Removing and installing door lock	156
2.13	Removing and installing window channel	161
2.14	Removing and installing window slot inner seal	164
2.15	Removing and installing window slot outer seal	165
<b>3</b>	<b>Central locking</b>	<b>167</b>
3.1	Overview of fitting locations - central locking	167
3.2	Assembly overview - ignition key	169
3.3	Removing and installing bonnet contact switch F266	170
3.4	Removing and installing driver door control unit J386 and front passenger door control unit J387	172
3.5	Removing and installing rear left door control unit J388 and rear right door control unit J389	173
3.6	Removing and installing tank filler flap locking motor V155	174
3.7	Removing and installing actuator for high-voltage charging flap lock 1 F496	175
3.8	Removing and installing ignition key battery	176
3.9	Removing and installing cap on ignition key	178
<b>58</b>	<b>Rear doors, door components</b>	<b>179</b>
<b>1</b>	<b>Door</b>	<b>179</b>
1.1	Assembly overview - door	179
1.2	Removing and installing door	182
1.3	Adjusting door	184
1.4	Adjusting striker pin	187
1.5	Removing and installing door arrester	189
1.6	Removing and installing inner door seal	191
1.7	Removing and installing outer door seal	194
<b>2</b>	<b>Door components</b>	<b>197</b>
2.1	Assembly overview - door components	197
2.2	Assembly overview - window regulator	199
2.3	Assembly overview - door handle and door lock	199
2.4	Removing and installing window regulator motor	200
2.5	Removing and installing window regulator	203
2.6	Removing and installing inner door cover	206
2.7	Removing and installing striker pin	208
2.8	Removing and installing cap on door handle	210
2.9	Removing and installing door handle	215



2.10	Removing and installing mounting bracket	219
2.11	Removing and installing door lock	222
2.12	Removing and installing window channel	226
2.13	Removing and installing window slot outer seal	229
2.14	Removing and installing window slot inner seal	231
<b>60</b>	<b>- Sunroof</b>	<b>232</b>
<b>1</b>	<b>Sliding sunroof</b>	<b>232</b>
1.1	Assembly overview - sliding sunroof	232
1.2	Assembly overview - sunroof roller blind	234
1.3	Removing and installing sunroof panel	235
1.4	Removing and installing rear sunroof panel	239
1.5	Adjusting sunroof panel	243
1.6	Removing and installing sliding sunroof frame	247
1.7	Removing and installing wind deflector	249
1.8	Removing and installing sunroof motor V1	251
1.9	Removing and installing sunroof roller blind motor V260	253
1.10	Removing and installing sunroof roller blind control unit J394	255
1.11	Removing and installing sliding sunroof adjustment control unit J245	256
1.12	Removing and installing sliding sunroof seals	258
1.13	Removing and installing sunroof roller blind	263
1.14	Programming sliding sunroof adjustment control unit J245	266
1.15	Adapting sunroof roller blind control unit J394	266
1.16	Removing and installing rear part	266
1.17	Removing and installing tilt mechanism for sliding sunroof	271
1.18	Removing and installing sunroof roller blind cable	273
1.19	Operating without current	275
<b>2</b>	<b>Water drain hoses</b>	<b>276</b>
2.1	Assembly overview - water drainage hoses	276
2.2	Cleaning water drain hoses	276
2.3	Removing and installing water drain hoses	278
<b>63</b>	<b>- Bumpers</b>	<b>280</b>
<b>1</b>	<b>Bumper, front</b>	<b>280</b>
1.1	Assembly overview - bumper cover	280
1.2	Assembly overview - add-on parts	284
1.3	Assembly overview - impact bar	292
1.4	Removing and installing bumper cover	293
1.5	Removing and installing add-on parts	297
1.6	Repairing bumper cover	314
1.7	Installing brackets for parking aid system	314
1.8	Installing brackets for park assist steering	319
<b>2</b>	<b>Bumper, rear</b>	<b>323</b>
2.1	Assembly overview - bumper cover	323
2.2	Assembly overview - guides for bumper cover	325
2.3	Assembly overview - add-on parts	326
2.4	Assembly overview - impact bar	329
2.5	Removing and installing bumper cover	330
2.6	Removing and installing add-on parts	334
2.7	Removing and installing impact bar	342
2.8	Repairing bumper cover	344
2.9	Installing brackets for parking aid system	345
2.10	Installing brackets for park assist steering	350
<b>64</b>	<b>- Glazing</b>	<b>354</b>
<b>1</b>	<b>Repair instructions</b>	<b>354</b>



1.1	Minimum curing periods for bonded windows	354
1.2	Window repair	354
1.3	Installation instructions for bonded windows	355
1.4	Preparing old undamaged windows for fitting	356
1.5	Preparing new windows for installing	357
1.6	Preparing body flange for fitting	357
1.7	Cleaning off excess adhesive	359
<b>2</b>	<b>Windscreen</b>	<b>360</b>
2.1	Assembly overview - windscreen	360
2.2	Removing and installing windscreen	361
<b>3</b>	<b>Rear windscreen</b>	<b>369</b>
3.1	Assembly overview - rear window	369
3.2	Removing and installing rear window	370
<b>4</b>	<b>Side window</b>	<b>374</b>
4.1	Assembly overview - rear side windows	374
4.2	Removing and installing rear side window	375
<b>5</b>	<b>Door windows</b>	<b>378</b>
5.1	Assembly overview - front door window	378
5.2	Assembly overview - rear door window	378
5.3	Removing and installing front door window	379
5.4	Removing and installing rear door window	382
5.5	Removing and installing fixed front door window	384
5.6	Removing and installing fixed rear door window	386
<b>66</b>	<b>- Exterior equipment</b>	<b>389</b>
<b>1</b>	<b>Radiator grille and front trim</b>	<b>389</b>
1.1	Assembly overview - radiator grille	389
1.2	Removing and installing radiator grille	392
1.3	Removing and installing radiator grille seal, R-Line models as of 07.2019	394
<b>2</b>	<b>Spoiler</b>	<b>396</b>
2.1	Assembly overview - spoiler	396
2.2	Removing and installing spoiler	398
<b>3</b>	<b>Mouldings, trims, extensions</b>	<b>408</b>
3.1	Assembly overview - trim strip and covers	408
3.2	Assembly overview - side member trim	410
3.3	Assembly overview - water deflector	412
3.4	Assembly overview - heat shield	413
3.5	Removing and installing cover	415
3.6	Removing and installing wheel arch covers	420
3.7	Removing and installing side member trim	428
3.8	Removing and installing water deflector	433
3.9	Removing and installing B-pillar trim on door	434
3.10	Removing and installing trim strip	436
3.11	Removing and installing entry moulding	442
3.12	Removing and installing underbody heat shield	445
<b>4</b>	<b>Noise insulation</b>	<b>450</b>
4.1	Assembly overview - noise insulation	450
<b>5</b>	<b>Underbody cladding</b>	<b>453</b>
5.1	Overview of fitting locations - trim	453
5.2	Assembly overview - bracing on underbody	458
5.3	Removing and installing underbody cladding	459
5.4	Removing and installing tunnel cross-piece	464
<b>6</b>	<b>Roof moulding and roof railing</b>	<b>467</b>
6.1	Assembly overview - roof railing	467



6.2	Removing and installing roof railing	467
<b>7</b>	<b>Exterior mirror</b>	<b>472</b>
7.1	Assembly overview - exterior mirror	472
7.2	Removing and installing exterior mirror	474
7.3	Removing and installing mirror glass	476
7.4	Removing and installing mirror adjustment unit	478
7.5	Removing and installing mirror cover	480
7.6	Removing and installing mirror frame	481
<b>8</b>	<b>Wheel housing liner</b>	<b>483</b>
8.1	Assembly overview - front wheel housing liner	483
8.2	Assembly overview - rear wheel housing liner	484
8.3	Removing and installing front wheel housing liner	484
8.4	Removing and installing rear wheel housing liner	486
<b>9</b>	<b>Lettering and emblems</b>	<b>490</b>
9.1	Dimensions - lettering and emblems on rear	490
9.2	Dimensions - lettering and emblems on sides	494
9.3	Removing and installing badges at front	494
9.4	Removing and installing lettering	499
<b>10</b>	<b>Decorative film / protective film</b>	<b>501</b>
10.1	Removing and installing protective film	501
<b>11</b>	<b>Special add-on parts</b>	<b>504</b>
11.1	Assembly overview – special add-on parts	504
<b>12</b>	<b>Towing bracket</b>	<b>506</b>
12.1	Assembly overview - towing bracket	506
12.2	Removing and installing towing bracket	507
12.3	Removing and installing trigger unit	509