



Contents

| | |
|---|-----------|
| 50 - Body - front | 1 |
| 1 Lock carrier | 1 |
| 1.1 Assembly overview – lock carrier | 1 |
| 1.2 Removing and installing lock carrier | 2 |
| 1.3 Moving to and back from service position | 5 |
| 1.4 Releasing and engaging pressure hose with plug-in connector | 9 |
| 2 Wings | 11 |
| 2.1 Assembly overview – wing | 11 |
| 2.2 Assembly overview – insulation and foam elements | 12 |
| 2.3 Removing and installing wing | 13 |
| 2.4 Removing and installing wing bracket | 16 |
| 3 Bulkhead | 19 |
| 3.1 Assembly overview – bulkhead | 19 |
| 3.2 Assembly overview - plenum chamber bulkhead | 20 |
| 3.3 Assembly overview – plenum chamber cover | 21 |
| 3.4 Removing and installing plenum chamber bulkhead | 22 |
| 3.5 Removing and installing plenum chamber cover | 23 |
| 55 - Bonnet, rear lid | 27 |
| 1 Bonnet | 27 |
| 1.1 Assembly overview – bonnet | 27 |
| 1.2 Assembly overview – Bowden cable | 28 |
| 1.3 Assembly overview – bonnet release lever | 29 |
| 1.4 Removing and installing bonnet | 30 |
| 1.5 Adjusting bonnet | 33 |
| 1.6 Adjusting bonnet lock | 34 |
| 1.7 Adjusting striker pin | 34 |
| 1.8 Removing and installing rear lid lock | 35 |
| 1.9 Removing and installing bonnet lock operating lever | 40 |
| 1.10 Removing and installing striker pin | 41 |
| 1.11 Removing and installing hinges | 42 |
| 1.12 Removing and installing insulation | 44 |
| 1.13 Removing and installing bonnet stay | 46 |
| 1.14 Detaching Bowden cable | 47 |
| 2 Rear lid | 49 |
| 2.1 Assembly overview – rear lid | 49 |
| 2.2 Assembly overview – hinges | 50 |
| 2.3 Assembly overview - gas strut | 51 |
| 2.4 Removing and installing rear lid | 52 |
| 2.5 Removing and installing stop buffer | 55 |
| 2.6 Adjusting rear lid | 56 |
| 2.7 Adjusting striker pin | 58 |
| 2.8 Adjusting adjusting buffer | 60 |
| 2.9 Removing and installing rear lid lock | 61 |
| 2.10 Removing and installing operating mechanism | 63 |
| 2.11 Removing and installing hinges | 65 |
| 2.12 Removing and installing striker pin | 67 |
| 2.13 Removing and installing rear lid seal | 69 |
| 2.14 Removing and installing gas strut | 70 |
| 2.15 Releasing gas from gas strut | 72 |
| 3 Tank flap unit | 73 |
| 3.1 Assembly overview – tank flap unit | 73 |



| | | |
|-----------|--|------------|
| 3.2 | Removing and installing tank flap unit | 73 |
| 3.3 | Removing and installing actuator | 75 |
| 57 | - Front doors, door components, central locking | 78 |
| 1 | Door | 78 |
| 1.1 | Assembly overview – door | 78 |
| 1.2 | Removing and installing inner door seal | 80 |
| 1.3 | Removing and installing outer door seal | 82 |
| 1.4 | Removing and installing door | 84 |
| 1.5 | Installing after renewing A-pillar | 86 |
| 1.6 | Adjusting door | 88 |
| 1.7 | Adjusting striker pin | 90 |
| 1.8 | Removing and installing door arrester | 92 |
| 2 | Door components | 94 |
| 2.1 | Assembly overview – door components | 94 |
| 2.2 | Assembly overview – door handle and door lock | 97 |
| 2.3 | Assembly overview - insulation | 98 |
| 2.4 | Removing and installing window regulator motor | 99 |
| 2.5 | Removing and installing window regulator | 101 |
| 2.6 | Removing and installing inner door cover | 104 |
| 2.7 | Removing and installing striker pin | 107 |
| 2.8 | Removing and installing lock cylinder cover cap | 108 |
| 2.9 | Removing and installing lock cylinder | 109 |
| 2.10 | Removing and installing cap without lock cylinder | 112 |
| 2.11 | Removing and installing door handle | 115 |
| 2.12 | Removing and installing mounting bracket | 117 |
| 2.13 | Removing and installing door lock | 119 |
| 2.14 | Removing and installing window channel | 123 |
| 2.15 | Removing and installing window slot inner seal | 126 |
| 2.16 | Removing and installing window slot outer seal | 127 |
| 3 | Central locking | 131 |
| 3.1 | Overview of fitting locations – central locking system | 131 |
| 3.2 | Removing and installing ignition key battery | 133 |
| 3.3 | Adapting keys with remote control | 135 |
| 58 | - Rear doors, door components | 136 |
| 1 | Door | 136 |
| 1.1 | Assembly overview – door | 136 |
| 1.2 | Removing and installing inner door seal | 138 |
| 1.3 | Removing and installing outer door seal | 140 |
| 1.4 | Removing and installing door | 140 |
| 1.5 | Installing after renewing B-pillar | 143 |
| 1.6 | Adjusting door | 145 |
| 1.7 | Adjusting striker pin | 148 |
| 1.8 | Removing and installing door arrester | 149 |
| 2 | Door components | 152 |
| 2.1 | Assembly overview – door components | 152 |
| 2.2 | Assembly overview – door handle and door lock | 153 |
| 2.3 | Assembly overview - insulation | 154 |
| 2.4 | Removing and installing window regulator motor | 155 |
| 2.5 | Removing and installing window crank | 157 |
| 2.6 | Removing and installing window crank mechanism | 158 |
| 2.7 | Removing and installing window regulator | 160 |
| 2.8 | Removing and installing inner door cover | 162 |
| 2.9 | Removing and installing striker pin | 163 |



| | | |
|-----------|--|------------|
| 2.10 | Removing and installing cap | 164 |
| 2.11 | Removing and installing door handle | 167 |
| 2.12 | Removing and installing mounting bracket | 169 |
| 2.13 | Removing and installing door lock | 171 |
| 2.14 | Removing and installing window channel | 174 |
| 2.15 | Removing and installing window slot inner seal | 177 |
| 2.16 | Removing and installing window slot outer seal | 177 |
| 60 | - Sunroof | 180 |
| 1 | Sliding sunroof | 180 |
| 1.1 | Functional check | 180 |
| 1.2 | Assembly overview – sliding sunroof | 182 |
| 1.3 | Assembly overview – sunroof roller blind | 184 |
| 1.4 | Assembly overview – sliding sunroof frame and front trim | 185 |
| 1.5 | Removing and installing sliding sunroof frame | 186 |
| 1.6 | Removing and installing wind deflector | 197 |
| 1.7 | Removing and installing glass panel | 199 |
| 1.8 | Removing glass panel when drive is defective | 203 |
| 1.9 | Adjusting glass panel | 205 |
| 1.10 | Removing and installing slotted guide | 207 |
| 1.11 | Removing and installing front trim for sliding sunroof | 212 |
| 1.12 | Removing and installing sliding sunroof adjustment control unit J245 | 221 |
| 1.13 | Removing and installing glass panel seal | 224 |
| 1.14 | Removing and installing interior seal | 225 |
| 1.15 | Removing and installing cover | 226 |
| 1.16 | Removing and installing sunroof switch | 228 |
| 1.17 | Removing and installing sunroof roller blind | 228 |
| 1.18 | Removing and installing tension bow | 232 |
| 1.19 | Adapting sliding sunroof adjustment control unit J245 | 235 |
| 1.20 | Manual operation | 236 |
| 2 | Water drain hoses | 237 |
| 2.1 | Assembly overview - water drain hoses | 237 |
| 2.2 | Cleaning water drain hoses | 237 |
| 63 | - Bumpers | 240 |
| 1 | Bumper, front | 240 |
| 1.1 | Assembly overview – bumper cover | 240 |
| 1.2 | Assembly overview – bumper carrier | 245 |
| 1.3 | Assembly overview - add-on parts | 246 |
| 1.4 | Removing and installing bumper cover | 255 |
| 1.5 | Installing number plate carrier | 274 |
| 1.6 | Repairing bumper cover | 275 |
| 1.7 | Installing brackets for parking aid system | 276 |
| 2 | Bumper, rear | 281 |
| 2.1 | Assembly overview – bumper cover | 281 |
| 2.2 | Assembly overview – bumper carrier | 286 |
| 2.3 | Assembly overview - add-on parts | 287 |
| 2.4 | Removing and installing bumper cover | 291 |
| 2.5 | Installing number plate carrier | 304 |
| 2.6 | Repairing bumper cover | 305 |
| 2.7 | Installing brackets for parking aid system | 306 |
| 64 | - Glazing | 311 |
| 1 | Repair instructions | 311 |
| 1.1 | Minimum drying times for bonded windows | 311 |
| 1.2 | Installation instructions for bonded windows | 311 |



| | | |
|-----------|--|------------|
| 1.3 | Preparing old undamaged windows for installing | 313 |
| 1.4 | Preparing new windows for installing | 313 |
| 1.5 | Preparing body flange for installing | 314 |
| 1.6 | Cleaning off excess adhesive | 315 |
| 2 | Windscreen | 316 |
| 2.1 | Assembly overview – windscreen | 316 |
| 2.2 | Removing and installing windscreen | 317 |
| 3 | Rear windscreen | 322 |
| 3.1 | Assembly overview – rear window | 322 |
| 3.2 | Removing and installing rear window | 322 |
| 3.3 | Removing broken rear window | 327 |
| 4 | Side windows | 328 |
| 4.1 | Assembly overview - rear side windows | 328 |
| 4.2 | Removing and installing rear side window | 329 |
| 4.3 | Removing broken rear side window | 338 |
| 5 | Door windows | 339 |
| 5.1 | Assembly overview - front door window | 339 |
| 5.2 | Assembly overview - rear door window | 339 |
| 5.3 | Removing and installing front door window | 340 |
| 5.4 | Removing and installing rear door window | 345 |
| 66 | Exterior equipment | 350 |
| 1 | Radiator grille and front trim | 350 |
| 1.1 | Assembly overview – radiator grille | 350 |
| 1.2 | Removing and installing radiator grille | 351 |
| 2 | Spoiler | 355 |
| 2.1 | Assembly overview – spoiler | 355 |
| 2.2 | Removing and installing spoiler | 358 |
| 2.3 | Removing adapter | 371 |
| 2.4 | Removing and installing side piece of spoiler | 375 |
| 3 | Mouldings, trims, extensions | 385 |
| 3.1 | Assembly overview – side member trim | 385 |
| 3.2 | Assembly overview – water deflector | 388 |
| 3.3 | Assembly overview - B-pillar trim | 389 |
| 3.4 | Removing and installing front door cover | 390 |
| 3.5 | Removing and installing adapter for front door cover | 392 |
| 3.6 | Removing and installing rear door cover | 394 |
| 3.7 | Removing and installing adapter for rear door cover | 397 |
| 3.8 | Removing and installing step moulding | 399 |
| 3.9 | Removing and installing side member trim | 403 |
| 3.10 | Removing and installing retaining strip for side member trim | 412 |
| 3.11 | Removing and installing water deflector | 420 |
| 3.12 | Removing and installing A-pillar trim | 423 |
| 3.13 | Removing and installing B-pillar trim | 424 |
| 3.14 | Removing and installing C-pillar trim on door | 426 |
| 3.15 | Wing trim panel | 428 |
| 3.16 | Removing and installing front wheel arch trim | 430 |
| 3.17 | Removing and installing rear wheel arch trim | 434 |
| 3.18 | Removing and installing wheel arch trim of rear door | 438 |
| 4 | Noise insulation | 442 |
| 4.1 | Assembly overview - noise insulation | 442 |
| 5 | Underbody cladding | 445 |
| 5.1 | Assembly overview – underbody cladding | 445 |
| 5.2 | Assembly overview - tunnel cross-piece | 445 |



| | | |
|-----------|---|------------|
| 6 | Roof moulding and roof railing | 447 |
| 6.1 | Assembly overview - roof railing | 447 |
| 6.2 | Removing and installing roof railing | 447 |
| 7 | Exterior mirror | 450 |
| 7.1 | Assembly overview – exterior mirror | 450 |
| 7.2 | Removing and installing exterior mirror | 451 |
| 7.3 | Removing and installing mirror glass | 459 |
| 7.4 | Removing and installing mirror adjustment unit | 461 |
| 7.5 | Removing and installing mirror cover | 462 |
| 7.6 | Removing and installing mirror frame | 463 |
| 7.7 | Removing and installing assembly bracket | 465 |
| 8 | Wheel housing liner | 467 |
| 8.1 | Assembly overview – front wheel housing liner | 467 |
| 8.2 | Assembly overview – rear wheel housing liner | 468 |
| 8.3 | Removing and installing front wheel housing liner | 468 |
| 8.4 | Removing and installing rear wheel housing liner | 470 |
| 9 | Lettering and badges | 474 |
| 9.1 | Dimensions - lettering and emblems on rear lid | 474 |
| 9.2 | Dimensions – lettering, rear door | 477 |
| 9.3 | Dimensions - lettering and emblems, sides | 478 |
| 9.4 | Removing and installing badges at front | 480 |
| 9.5 | Removing and installing lettering and emblems | 490 |
| 10 | Special add-on parts | 492 |
| 10.1 | Repair instructions | 492 |
| 10.2 | Assembly overview – special add-on parts | 495 |
| 11 | Towing bracket | 500 |
| 11.1 | Assembly overview – towing bracket | 500 |
| 12 | Heat shields | 501 |
| 12.1 | Overview of fitting locations – heat shields | 501 |
| 12.2 | Removing and installing underbody heat shield | 501 |
| 12.3 | Removing and installing heat shield for centre exhaust system | 502 |
| 12.4 | Removing and installing heat shield for rear silencer | 503 |