



Contents

27 - Starter, current supply, CCS	1
1 Battery	1
1.1 Battery A - assembly overview	2
1.2 Battery A - disconnect and connect	2
1.3 Battery A - remove and install	5
1.4 Battery Console A - remove and install	7
1.5 Tightening torques - battery	8
2 Starting motor	9
2.1 Starter B - remove and install	10
2.2 Starter B (Manufacturer Valeo) - disassemble and assemble	10
2.3 Starter B (Manufacturer Bosch) - disassemble and assemble	14
2.4 Starter (vehicles with CNXA engine) - overview	27
2.5 Tightening torques - Starter	28
3 Alternator	29
3.1 Generator (Alternator) C - fastening cable (B+)	29
3.2 Generator (Alternator) C - check Poly-V belt	30
3.3 Generator (Alternator) C 1.0l and 1.6l engines - assembly general view	30
3.4 Generator (Alternator) C 1.0l and 1.6l engines - remove and install	33
3.5 Generator (Alternator) C (vehicle with CNXA engine) - remove and install	35
3.6 Generator (Alternator) C - replace Poly-V belt pulley	36
3.7 Voltage regulator C1 (Manufacturer Bosch) - disassemble and assemble	38
3.8 Voltage regulator C1 (Manufacturer Valeo) - disassemble and assemble	39
3.9 Tightening torques - Alternator	41
90 - Gauges, instruments	42
1 Combined instrument	42
1.1 Locating defects and indicating faults	42
1.2 Combined instrument K - replace	43
1.3 Combined instrument K - remove and install	45
1.4 Combined instrument K - description of rear part	46
1.5 Combined instrument K - pin assignment	47
1.6 Combined instrument K - control light symbols	48
2 Indication of Service Interval	52
2.1 Reset service interval indicator	52
3 12 Volt socket	53
3.1 12 volt socket U5 - assembly overview	53
3.2 12-volt socket Electrical socket 2 - 12V U18	54
3.3 12 volt socket U5 - remove and install	54
3.4 12 volt socket U18 - remove and install	56
92 - Windscreen wash/wipe system	59
1 Windscreen wiper system	59
1.1 Windscreen wiper system - assembly overview	60
1.2 Windscreen wiper blade - remove and install	61
1.3 Windscreen wiper blade and arm set - remove and install	61
1.4 Windscreen wiper mechanism - remove and install	63
1.5 Windscreen wiper motor V - disassemble and assemble	64
1.6 Mount (bushing) for the mechanism support - remove and install	65
1.7 Windscreen wiper blade resting position - adjust	66
1.8 Tightening torques - Windscreen wiper system	66
2 Windscreen washer system	67
2.1 Windscreen washer system - assembly overview	67



2.2	Reservoir for the windscreen and rear window washer system - remove and install	68
2.3	Windscreen washer pump V5 and/or Rear window washer pump V13 - remove and install	69
2.4	Windscreen washer system spray nozzles - replace	70
2.5	Windscreen washer system spray nozzles - adjust	70
3	Rear window wiper system	72
3.1	Rear window wiper and washer system - assembly overview	72
3.2	Rear window wiper arm - remove and install	73
3.3	Rear window wiper motor V12 - remove and install	74
3.4	Rear window wiper blade resting position - adjust	74
3.5	Rear window wiper blade - remove and install	75
3.6	Tightening torques - rear window wiper system	75
4	Rear window washer system	76
4.1	Rear window washer system - assembly overview	76
4.2	Rear window washer system spray nozzle - replace	77
4.3	Rear window washer system spray nozzle - adjust	78
94	Lights, bulbs, switches - exterior	79
1	Main headlights	79
1.1	Main headlights - assembly overview	79
1.2	Main Headlights - remove and install	81
1.3	Main headlight lamps (single) - replace	81
1.4	Main headlight lamps (twin) - replace	83
2	Fog lights	87
2.1	Fog lights (Gol / Voyage) - assembly overview	87
2.2	Tail fog lights (Gol / Voyage) - remove and install	88
2.3	Fog lights (Saveiro / Gol Track) - assembly overview	90
2.4	Fog lights (Saveiro / Gol Track) - remove and install	90
2.5	Fog lights (Saveiro / Gol Rallye) - assembly overview	92
2.6	Fog lights (Saveiro / Gol Rallye) - remove and install	93
3	Headlights - check adjustment	95
3.1	Check headlight adjustment (with the new inspection display without 15° adjustment line).	96
3.2	Headlights - adjust	97
4	Side indicator lights	100
4.1	Side indicator lights incorporated to external rear-view mirrors	100
5	Tail lights	101
5.1	Tail lights (Gol) - assembly overview	101
5.2	Tail lights (Voyage) - assembly overview	103
5.3	Tail lights (Saveiro) - assembly overview	106
6	Fog lights	110
6.1	Tail fog light (Voyage) - remove and install	110
7	License plate light	111
7.1	License plate light - remove and install	111
7.2	License plate light X (Gol / Voyage) - replace the lamp	112
7.3	License plate light X (Saveiro) - replace the lamp	112
8	Additional brake light	113
8.1	Auxiliary brake light (Gol) - remove and install	113
8.2	Auxiliary brake light (Voyage) - remove and install	114
8.3	Auxiliary brake light (Saveiro) - remove and install	114
9	Switch set	116
9.1	Direction and wiper switches / glasses washer (version 1) - remove and install	116
9.2	Direction and wiper switches / glasses washer (version 2) - remove and install	117
9.3	Connectors pinout in the switch set for turn lights and window wipers/washers	118



10	Steering lock set	119
10.1	Steering lock set - remove and install	119
11	Ignition/starter switch and key cylinder	121
11.1	Key cylinder - remove and install	121
11.2	Ignition switch D - remove and install	123
11.3	Ignition switch D - pinout	124
12	Auxiliary parking system	125
12.1	Locating defects and indicating faults	125
12.2	Rear auxiliary parking system - assembly general view	126
12.3	Control unit for parking aid J446 - remove and install	127
12.4	Warning buzzer for rear parking aid H15 - remove and install	128
12.5	Park Assist steering sensor (Gol) - remove and install	128
12.6	Park Assist steering sensor (Voyage) - remove and install	130
12.7	Park Assist steering sensor (Saveiro) - remove and install	131
96	Lights, bulbs, switches - interior	134
1	Internal lights and switches	134
1.1	Radio frame switches - assembly overview	135
1.2	Radio frame switches - remove and install	136
1.3	Switches on the center dash panel frame - assembly overview	153
1.4	Switches on the center dash panel frame - remove and install	153
1.5	Warning lamp switch E3 (with radio frame switches - remove and install	156
1.6	Warning lamp switch E3 (with switches in the center dash panel frame) - remove and install	156
1.7	Passenger side airbags deactivation switch E224 - remove and install	157
1.8	Light switch E1 - remove and install	158
1.9	Front window activation switch E40 and/or E41 - remove and install	159
1.10	Switch for int. locking, driver side E150	159
1.11	Rear-view mirror adjustment switch E43 with Switch for rear-view mirror adjustment E48 - remove and install	160
1.12	Front internal lighting switch (door contact) E459 - remove and install	160
1.13	Luggage compartment lighting switch F5 - remove and install	161
1.14	Internal lighting fixture - remove and install	161
1.15	Internal front light W1 - replace	162
1.16	Center reading light W39 and/or W40 - replace	163
1.17	Make-up mirror lighting - remove and install	164
1.18	Make-up mirror lighting lamp L31 - replace	165
1.19	Boot light W3 - remove and install	165
1.20	Luggage Compartment light W3 - replace	166
1.21	Internal rear light W43 - remove and install	166
1.22	Internal rear light W43 - replace lamp	167
2	Horn	169
2.1	Treble tone horn H2 - remove and install	169
3	Immobilizer	171
3.1	Immobilizer control unit J362 - replace	171
3.2	Immobilizer reading coil D2 - remove and install	171
3.3	Ignition key - variable code transponder	171
3.4	Ignition key - adapt to immobilizer	171
3.5	Ignition key - replace battery	172
4	Alarm System	173
4.1	Locating defects and indicating faults	173
4.2	Anti-theft alarm system - activate and deactivate	173
4.3	Ultra-sound sensor for alarm system G209 - remove and install	174
4.4	Alarm system horn H8 - remove and install	174



97 - Wiring	176
1 Fuse and relay support	176
1.1 Fuse and relay support - remove and install	176
2 Boot cover of engine compartment	177
2.1 Boot cover on engine compartment partition panel - remove and install	177
3 Fuse box	179
3.1 Fuse box - remove and install	179
4 Control units	182
4.1 Central control unit for window activation J1015 (ZFH)	183
4.2 Control unit for the on-board system J519 (BFM)	183
4.3 Control unit for exterior mirror tilt-down J351	186