

41 14 Reinforcement plate
Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Cap nut to reinforcement plate	All	M5		6 Nm

cardiagn.com

4100 Overview of Technical Data

Gap dimension bonnet to front side panel		
1 bonnet; 2 front side panel	a	
		3,3 (2,3 - 4,3) mm
	b	
		0,6 (-1,0 - 2,2) mm

Gap dimension bonnet to headlight		
1 bonnet; 2 headlight	a	
		5,1 (3,0 - 7,2) mm

Gap dimension bonnet to headlight		
1 bonnet; 2 headlight	a	
		7,2 (5,4 - 9,0) mm

Gap dimension bonnet to ornamental grille surround		
1 bonnet; 2 ornamental grille surround	a	
		4,6 (3,4 - 5,8) mm
	b	
		1,5 (0 - 3) mm

Gap dimension front door to rear door

1 front door; 2 rear door

a

4,5 (3,4 - 5,6) mm

b

0 (-0,3 - 1,3) mm

Gap dimension front door to side sill trim panel

1 front door; 2 side sill trim panel

a

3,8 (2,6 - 5,0) mm

b

3,2 (2,0 - 4,4) mm

Gap dimension front door to side sill trim panel

1 front door; 2 side sill trim panel

a

3,8 (2,6 - 5,0) mm

b

3,5 (2,3 - 4,7) mm

Gap dimension front side panel to A-pillar

1 front side panel; 2 A-pillar

a

2,6 (1,5 - 3,7) mm

b

1 (-0,3 - 2,3) mm

Gap dimension front side panel to front door

1 Front side panel; 2 front door

a

3,8 (2,8 - 4,8) mm

b

0,5 (-0,6 - 1,6) mm

Gap dimension glass slide/tilt sunroof panel to roof outer skin

1 glass slide/tilt sunroof panel; 2 roof outer skin

a

0,7 (-0,05 - 1,45) mm

Gap dimension rear door to rear side panel

1 rear door; 2 rear side panel

a

3,8 (2,9 - 4,7) mm

0 (-0,3 - 1,3) mm

Gap dimension rear door to side sill trim panel

1 Rear door; 2 Side sill trim panel

a

3,8 (2,6 - 5,0) mm

0,2 (-1,3 - 1,7) mm

Gap dimension rear door to side sill trim panel

1 Rear door; 2 Side sill trim panel

a

3,8 (2,6 - 5,0) mm

3,3 (1,8 - 4,8) mm

Gap dimension rear side panel to tailgate

1 rear side panel; 2 tailgate

a

3,5 (2,5 - 4,5) mm

b

3,2 (1,8 - 4,6) mm

Gap dimension rear side panel to tailgate

1 rear side panel; 2 tailgate

a

3,5 (2,5 - 4,5) mm

b

1,1 (-0,3 - 2,5) mm

Gap dimension rear side panel to tailgate

1 rear side panel; 2 tailgate

a

4,2 (3,2 - 5,2) mm

b

0 (-1,0 - 1,0) mm

Gap dimension rear window to roof outer skin

1 rear window; 2 roof outer skin

a

3,2 (1,9 - 4,5) mm

b

2,8 (1,5 - 4,1) mm

Gap dimension rear window to roof outer skin

1 rear window; 2 roof outer skin

a

3,2 (1,9 - 4,5) mm

b

2,6 (1,3 - 3,9) mm

Gap dimension roof outer skin to glass slide/tilt sunroof panel

1 roof outer skin; 2 glass slide/tilt sunroof panel

a

0,7 (-0,05 - 1,45) mm

Gap dimension tailgate to rear bumper panel

1 tailgate; 2 rear bumper panel

a

5,1 (3,3 - 6,9) mm

Gap dimension windscreen to roof outer skin

1 windscreen; 2 roof outer skin

a

4,3 (3,1 - 5,5) mm

b

3,0 (1,6 - 4,4) mm

b (with HUD)

2,5 (1,1 - 3,9) mm

Gap dimension windscreen to roof outer skin

1 windscreen; 2 roof outer skin

a

4,3 (3,1 - 5,5) mm

b

2,7 (1,3 - 4,1) mm

b (with HUD)

2,2 (0,8 - 3,6) mm

cardiagn.com

41 14 Reinforcement plate
Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Cap nut to reinforcement plate	All	M5		6 Nm

cardiagn.com

4151 Overview of tightening torques

Front door to door hinge		
Screw	Tightening torque	40Nm
Screw connection, hinge parts		
Screw	Tightening torque	27Nm

cardiagn.com

4162 Overview of tightening torques

Hinge to hinge support		
Nut	Tightening torque	19Nm
Tailgate hinge to tailgate		
Hexagon screw M8 x 18	Tightening torque	19Nm

cardiagn.com

41 operating fluid overview

Adhesive

Body adhesive K1	195 ml	83190413015
------------------	--------	-------------

Adhesive

Body adhesive K2	2x290 ml	83192355849
------------------	----------	-------------

Expendable materials

Cavity preservation	1000 ml	83422457338
---------------------	---------	-------------

Expendable materials

Thin-wall threaded insert M6		41002288195
------------------------------	--	-------------

Expendable materials

Thin-wall threaded insert M8		41002361595
------------------------------	--	-------------

Expendable materials

Helicoil thread insert	M12x30 mm	31 10 6 868 499
------------------------	-----------	-----------------

Adhesive

Body adhesive K3	2x300 ml	83190417144
------------------	----------	-------------

Expendable materials

Betawipe 4800	10 ml	83192357707
---------------	-------	-------------

Expendable materials

Bonding base VP 206	30 ml	83199407777
---------------------	-------	-------------

Expendable materials

Two-component metal filler plus	100+10 g	83192288329
---------------------------------	----------	-------------

Expendable materials

Blind rivet N8	∅6,5 mm, Clamping area 6.8-8.8 mm	83192355998
----------------	---	-------------

Expendable materials

Blind rivet N11 for CFRP connections	∅4,8 mm, Clamping area 2.2-4.7 mm	83197391057
---	---	-------------

Expendable materials

Blind rivet N12 for CFRP connections	∅4,8 mm, Clamping area	83197391046
---	---------------------------	-------------

for CFRP connections	Clamping area 4.5-7.5 mm	
Expendable materials		
Plastic nut	∅18 mm	51161943122
Expendable materials		
Plastic nut	∅22 mm	07147169847
Expendable materials		
Cavity sealant spray	400 ml	83422457337
Expendable materials		
Twist drill, high-strength	∅6,8 mm, Length: 79 mm	83192359262
Expendable materials		
Twist drill, high-strength	∅4,2 mm, Length: 66 mm	83192359263
Expendable materials		
ScotchBrite Multiflex A, very fine		51910402967
Expendable materials		
Adhesive tape		51717901759
Expendable materials		
Reinforcement plate, universal		41217275563
Expendable materials		
Sealant D1 (seam sealing)	310 ml	83422409985
Expendable materials		
Sealant D2 (seam sealing, spreadable)	310 ml	83422409986
Expendable materials		
Cavity foamHS1	400 ml	83429410694
Expendable materials		
Structural foamHS2	420 ml	83190007361
Expendable materials		
Cavity foam HS3 (2K polyurethane foam)	50 ml	83422288930
Expendable materials		

Aluminium adhesive tape (adhesive tape)	50 mm	11007769948
Expendable materials		
Repair rivet for T-bolt	∅2,4 mm, Clamping area 0.8-2.5 mm	07148497787
Expendable materials		
Repair rivet for T-bolt	∅2,4 mm, Clamping area 2.5-6.0 mm	07148497788
Expendable materials		
PrimerP2	50 ml, Gas cartridge	83190302555
Expendable materials		
PrimerP1	50 ml, Bottle	83190302556
Expendable materials		
Cavity sealing wax remover	500 ml, Spray bottle	83120390086
Expendable materials		
Screw EMC screw, SF Plus, M5x15		83190301639
Expendable materials		
Drill bit	∅6,8 mm, Length: 150 mm	83192460425
Expendable materials		
Drill bit	∅4,2 mm, Length: 120 mm	83192460424
Expendable materials		
Blind rivet N1 Ø 6.5 mm ; clamping area 2.8-4.8 mm		83190301414
Expendable materials		
Blind rivet N2 Ø 6.5 mm ; clamping area 4.8-6.8 mm		83190301419
Expendable materials		
Punch rivet N5 Ø 5 mm ; 5 mm long		83192158079

Expendable materials

Blind rivet N7 Ø 6.5 mm ; clamping area 1.5 - 3.5 mm		83192240352
---	--	-------------

Expendable materials

Blind rivet N10 Dia. 6.5 mm; clamping area 10.8-12.8 mm		83199144282
--	--	-------------

Expendable materials

Blind rivet N9 Dia. 6.5 mm; clamping area 8.8-10.8 mm		83197239634
--	--	-------------

Adhesive

Body adhesive K5	50 ml	83192158654
------------------	-------	-------------

Expendable materials

Blind rivet N3 Dia. 4 mm; clamping area 1-3 mm		83190301421
---	--	-------------

Expendable materials

Blind rivet N6 Dia. 4 mm; clamping area 3-5 mm		83192158655
---	--	-------------

Adhesive

Aktivator -205	250 ml, Bottle	83190030155
----------------	-------------------	-------------

Adhesive

Body adhesive K5	195 ml	83192157298
------------------	--------	-------------

Adhesive

Body adhesive K4	50 ml, Cartridge	83192456697
------------------	---------------------	-------------

Expendable materials

Punch rivet N4 Ø 3 mm ; 4 mm long		83192457307
--------------------------------------	--	-------------

5111 Overview of tightening torques

Bumper mounting, side front		
Screw	Tightening torque	3Nm
Car registration number		
Screw TS 5x13	Tightening torque	0,7Nm
Front bumper panel to front side panel		
Torx screw 5x35	Tightening torque	3Nm
Front bumper panel to underbody protection		
Hexagon screw for thermoplastic	Tightening torque	2,6Nm
Front bumper support to engine support		
Hexagon screw with flange	Jointing torque	100Nm
	Angle of rotation	180°
License plate baseplate		
Screw TS 5x16	Tightening torque	0,7Nm
Vertical connection to deformation element		
Flat-head screw M6x20	Tightening torque	11,8Nm
Vertical connection to deformation element		
Hexagon screw	Setpoint torque	21Nm
Vertical connection to deformation element		
Hexagon screw	Tightening torque	21Nm

5112 Overview of tightening torques

Mounting for rear bumper panel on support for rear bumper panel		
Hexagon screw for thermoplastic	Tightening torque	2,6Nm
Rear bumper panel guide on body at the side		
Multi-purpose nut with paint scrape groove	Tightening torque	5Nm
Rear bumper panel guide on rear centre guide		
Hexagon screw for thermoplastic	Tightening torque	2,5Nm
Rear bumper panel to rear side panel		
Hexagon screw for thermoplastic	Tightening torque	2,5Nm
Rear centre bumper panel guide on body		
Multi-purpose nut with paint scrape groove	Tightening torque	5Nm
Rear silencer on support for rear bumper panel		
Nut M8	Tightening torque	19Nm
Support for rear bumper panel to body		
Nut M12	Tightening torque	108Nm

5113 Overview of tightening torques

Centre of front ornamental grille to top air flap control		
Oval-head screwM6	Tightening torque	4,6Nm

cardiagn.com

5114 Overview of Technical Data

Heating using hot air blower	
	Surface temperature
	40 °C ... 50 °C

Model designation left on tailgate	
	Dimension B from horizontal lower edge of tailgate
	34 mm

Model designation left on tailgate	
	Dimension A from corner of tailgate
	90 mm

Model designation right on tailgate	
	Dimension A from corner of tailgate
	98 mm

Model designation right on tailgate	
	Dimension B from horizontal lower edge of tailgate
	34 mm

5116 Overview of tightening torques

Exterior mirror to door		
Thread-tapping hexagon screw	Tightening torque	10Nm
Housing to exterior mirror		
	Tightening torque	0,85Nm

cardiagn.com

5121 Overview of tightening torques

Attachment bell to outside door handle support		
Screw	Tightening torque	3Nm
Clamping bolt for door handle		
Screw	Tightening torque	2Nm
Door lock to door		
Screw	Tightening torque	8,8Nm
Door retainer to door		
Hexagon nut	Tightening torque	8Nm
Door stop to pillar		
Screw	Tightening torque	28Nm
Outside door handle support to door		
Screw	Tightening torque	2,6Nm

5122 Overview of tightening torques

Lock striker		
Screw	Tightening torque	21Nm

cardiagn.com

5132 Overview of tightening torques

Window frame trim to door frame		
Oval-head screw for thermoplastic	Tightening torque	2,3Nm

cardiagn.com

5133 Overview of tightening torques

Module carrier to front door		
Torx socket M5x12	Tightening torque	8Nm

cardiagn.com

5141 Overview of tightening torques

Decorative strip to door trim panel			
Screw		Tightening torque	2,3Nm
Door trim panel to door			
Screw TS5x20		Tightening torque	2,6Nm
Repair screw to door trim panel			
Oval-head screw M4x10		Tightening torque	2,0Nm
Speaker cover to door trim panel			
Screw		Tightening torque	2,3Nm

5143 Overview of tightening torques

A-pillar footwell side trim panel		
Screw	Tightening torque	2,5Nm
A-pillar trim panel to body		
Sheet metal screw 4,8x38	Tightening torque	2,6Nm

cardiagn.com

5147 Overview of tightening torques

Oddments tray on body		
Plastic nut		3Nm
Underbody protection front		
Hexagon screw for thermoplastic	Tightening torque	2,6Nm
Hexagon screw M6x20	Tightening torque	8Nm

cardiagn.com

5161 Overview of tightening torques

Cross-brace to bulkhead		
Hexagon screw M10x25 Renew screws.	Tightening torque	56Nm
	Angle of rotation	90°
Cross-brace to spring strut dome		
Hexagon screw M10x55 Renew screws.	Tightening torque	56Nm
	Angle of rotation	90°
Engine bulkhead, bottom to body		
M8x18		19Nm

cardiagn.com

5164 Overview of tightening torques

Air flap control holder			
M6x20		Tightening torque	8Nm
Air flap control to front end			
Oval-head screw with spring washer		Tightening torque	4,6Nm
Bottom air flap control on top bumper panel support			
Oval-head screw		Tightening torque	4,6Nm
Bracing strut on support for top bumper panel			
Hexagon screw		Tightening torque	28Nm
Cross connection, top			
M8x20		Tightening torque	28Nm
Cross connection, top			
M6x20		Tightening torque	11,8Nm
Strut on front end			
Hexagon screw		Tightening torque	28Nm
Top front connection to support lock			
Combination oval-head machine screw		Tightening torque	28Nm

5171 Overview of tightening torques

Bulkhead upper part to bottom bulkhead		
	Tightening torque	3Nm
Connecting support to tunnel		
M8x25 screw	Tightening torque	20Nm
Screw	Tightening torque	3Nm
Cover, front bottom on side		
Hexagon screw for thermoplastic	Tightening torque	3Nm
Cover, steering unit		
Screw	Tightening torque	3Nm
Side sill trim panel to body		
Plastic nut with flange for coarse thread	Tightening torque	2,5Nm
Side sill trim panel to body		
Hexagon screw for thermoplastic	Tightening torque	2,5Nm
Tension strut on bulkhead		
M10x25 screw	Tightening torque	56Nm
Tension strut to spring strut dome		
Screw Renew screws.	Jointing torque	56Nm
	Angle of rotation	90°
Wheel arch cover (screws)		
Thermoplastic hexagon screw	Tightening torque	3Nm
Wheel arch trim panel, front		
Thermoplastic hexagon screw	Tightening torque	2,6Nm

5174 Overview of tightening torques

Brake air duct to front wheel arch cover of front section		
Hexagon screw for thermoplastic	Tightening torque	2,6Nm

cardiagn.com

5175 Overview of tightening torques

Diffuser		
Nut and screws	Tightening torque	3Nm
Retaining plates for vehicle underbody cover		
Sheet metal nut Replace nuts.	Tightening torque	3Nm
Underbody panelling		
Screw	Tightening torque	3Nm
Underbody panelling		
Screw	Tightening torque	2,6Nm
Plastic nut	Tightening torque	2,6Nm
Underbody panelling, side		
Hexagon screw	Tightening torque	2,6Nm
Plastic nut	Tightening torque	2,6Nm
Underbody protection		
Hexagon screw	Tightening torque	3Nm

51 operating fluid overview

Expendable materials

Yellow plastic adhesive tape		83199410979
------------------------------	--	-------------

Expendable materials

Adhesive tape, double-sided		54112290978
-----------------------------	--	-------------

Expendable materials

Cutting cord		81432344272
--------------	--	-------------

Expendable materials

Cleaning agent R1	100 ml, Bottle	83192211217
-------------------	-------------------	-------------

Expendable materials

Cleaning agent R2	500 ml	83190417324
-------------------	--------	-------------

Adhesive

Window glass adhesive Rest of World	300 ml, Cartridge	83192289286
--	----------------------	-------------

Adhesive

Window glass adhesive USA	300 ml, Cartridge	83192289181
------------------------------	----------------------	-------------

Adhesive

Window glass adhesive CHN	300 ml, Cartridge	83192180002
------------------------------	----------------------	-------------

5224 Overview of tightening torques

Rear centre armrest to backrest frame		
		8Nm
Rear seat backrest on body		
Renew screw.	Tightening torque	42Nm
Rear seat backrest on body		
Screw Renew screw.	Tightening torque	42Nm

cardiagn.com

5226 Overview of tightening torques

Backrest lock on backrest frame		
Screw	Tightening torque	15Nm
Backrest lock to body		
M8		19Nm
Outer mount to backrest frame		
Screw	Tightening torque	36Nm
Rear seat backrest on body		
Screw Renew screw.	Tightening torque	42Nm

cardiagn.com

54 operating fluid overview

Brake fluid and hydraulic fluid

Hydraulic fluid for convertible top / lids	250 ml, Bottle	54340394395
--	-------------------	-------------

Expendable materials

Lubricating grease Renolit RHF 1	20 g, Bag	83192157321
----------------------------------	--------------	-------------

cardiagn.com