32 00 Steering

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Steering box to front axle support	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36 (not all-wheel drive vehicles)	M10	Renew screws and nuts. Jointing torque Angle of rotation	 56 Nm 90 Â°
	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36 - all-wheel drive vehicles	M10	Renew screws.	56 Nm
2AZ Heat shield to steering gear	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36			8 Nm

cardiagn.com

3200 Overview of Technical Data

Ride height with vehicle load tolerance	
Minimum value	
	min. - 20 mm
Maximum value	
	max. + 40 mm

Tolerance for ride height at design level	
Tolerance for setpoint value	
	max. 2 mm
Difference between left and right	
	max. 2 mm

Tolerance for ride height in normal position	
Tolerance for setpoint value	
	max. 10 mm
Difference between left and right	
	max. 10 mm

cardiagn.com

cardiagn.com

cardiagn.com

3200 Overview of tightening torques

Electromechanical steering gear to front axle support

M10 Renew screws and nuts.	56Nm

cardiagn.com

32 00 Steering

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Steering box to front axle support	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36 (not all-wheel drive vehicles)	M10	Renew screws and nuts. Jointing torque Angle of rotation	 56 Nm 90 Â°
	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36 - all-wheel drive vehicles	M10	Renew screws.	56 Nm
2AZ Heat shield to steering gear	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36			8 Nm

cardiagn.com

32 21 Drop Arm

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Track rod to rack	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36			105 Nm
2AZ Track rod end to track rod	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36			32 Nm
3AZ Track rod end to swivel bearing	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36	M14	Replace nut	175 Nm

cardiagn.com

3221 Overview of Technical Data

Ear hose clamp gap dimension

	Dimension [A]
	max. 1 mm

cardiagn.com

3221 Overview of tightening torques

Track rod end to swivel bearing	
M14 Replace self-locking nut.	175Nm

Track rod end to track rod	
	32Nm

cardiagn.com

32 31 Steering column

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Steering column to dashboard support	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36	M8		21 Nm
2AZ Lower steering shaft to steering gear	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36	M8	Recut screw thread. Replace clamping bolt No retorquing permitted!	24 Nm
3AZ Steering shaft to steering column	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F36	M8	Recut screw thread. Replace clamping bolt No retorquing permitted!	24 Nm
	F35	M8	Recut screw thread. Replace clamping bolts No retorquing permitted!	28 Nm
5AZ Adjustment lever to steering column	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36	M8		7 Nm

cardiagn.com

3231 Overview of tightening torques

Bottom steering shaft on the electrical steering gear (EPS)	
M8 Recut thread. Renew clamping bolt. Retorquing not permitted.	24Nm

Steering column on the instrument panel support	
M8	21Nm

Steering shaft to steering column	
M8 Recut thread. Renew clamping bolt. Retorquing not permitted.	24Nm

cardiagn.com

32 33 Steering wheel

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Steering wheel to steering column	F20 / F21 / F22 / F23 / F30 / F31 / F32 / F33 / F34 / F35 / F36	M14	Replace microencapsulated screw.	62 Nm

cardiagn.com

3233 Overview of tightening torques

Steering wheel to steering column	
M14	62Nm

cardiagn.com

32 operating fluid overview

Expendable materials

Lubricating grease FB-1	100 g, Tube	83 23 2 208 093

cardiagn.com