

3400 Overview of tightening torques

Front ventilation valve Brake calliper manufacturer Brembo

Vent valve	Tightening torque	18Nm
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Front ventilation valve fixed brake calliper Brake calliper manufacturer Continental

Vent valve	Tightening torque	15Nm
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Rear ventilation valve

Vent valve	Tightening torque	10Nm
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Vent valve

	Tightening torque	10Nm
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Vent valve

	Tightening torque	10Nm
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Vent valve of the rear brake caliper, made of aluminium and not painted

Vent valve	Tightening torque	10Nm
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Vent valve of the rear brake caliper, made of steel and always painted

Vent valve	Tightening torque	17Nm
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3411 Overview of tightening torques

Brake caliper / caliper carrier at front swivel bearing		
M12 Renew screw.	Tightening torque	110Nm
Brake disc to front wheel hub		
M8	Tightening torque	16Nm
Brake disc to front wheel hub		
M8 Renew screw.	Tightening torque	16Nm
Brake guard plate at front swivel bearing		
M6x12 Renew screw.	Tightening torque	8Nm
Guide bolt (brake caliper on caliper carrier)		
M8 Renew screws.		35Nm



3421 Overview of Technical Data

Minimum brake disc thickness (nominal dimension 330x20)	
	Minimum brake disc thickness (brake disc 330x20)
	18,4 mm

Minimum brake disc thickness (nominal dimension 345x24)	
	Minimum brake disc thickness (brake disc 345x24)
	22,4 mm

Minimum brake disc thickness (nominal dimension 370x24)	
	Minimum brake disc thickness (brake disc 370x24)
	22,4 mm

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3421 Overview of tightening torques

Brake disc to rear wheel hub			
M8		Tightening torque	16Nm
Brake disc to rear wheel hub			
M8 Renew screw.		Tightening torque	16Nm
Brake protection plate on the rear wheel carrier			
M6x12 Renew screw.		Tightening torque	8Nm
Caliper carrier to rear wheel carrier			
M12 Renew screw.		Tightening torque	130Nm
Guide bolt (brake caliper on caliper carrier)			
M8			35Nm



3431 Overview of tightening torques

Retaining screw, expansion tank to tandem brake master cylinder		
Renew screw.		4Nm
Tandem brake master cylinder in the brake booster		
Replace nuts.		
M8		23Nm

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3432 Overview of tightening torques

Brake hose to brake caliper, front		
	Tightening torque	17Nm
Brake hose to brake caliper, rear		
	Tightening torque	24Nm
Brake pipe screw connection / Union screws		
	Tightening torque	17Nm

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3433 Overview of tightening torques

Brake booster to pedal assembly console

Replace nuts.

M8 Re-tighten 1x on brake booster after 10 min .	Tightening torque	22Nm
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3441 Overview of tightening torques

EMF actuator to brake caliper		
Renew screws.	Tightening torque	12Nm

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3451 Overview of tightening torques

Hydraulic control unit to holder	
M6 Renew screws.	8Nm
Hydraulic unit with holder on body	
Renew screws.	8Nm

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3452 Overview of tightening torques

Control unit for the optional equipment system (SAS) to the holder

Renew plastic nut.	4Nm
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DSC control unit on hydraulic unit

Screw Renew screws.	Screw in screws and evenly tighten crosswise.	
	1. Tightening torque	1,5Nm
	2. Tightening torque	2.5Nm
	3. Tightening torque	3,5Nm

Rear wheel speed sensor on wheel carrier

M6 Renew screw.	Tightening torque	12Nm
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Wheel speed sensor to swivel bearing

M6 Renew screw.	Tightening torque	12Nm
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34 operating fluid overview

Expendable materials

Lubricating grease Staburags NBU 12K	100 g, Tube	83 23 9 407 810
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Expendable materials

Safety cleaner 2.0	500 ml, Spray can	83192362037
	20 l, Canister	83192362038
	60 l, Canister	83192362040

Expendable materials

Brake block paste * TU = Trade Unit. TU numbers cannot be ordered! For invoicing purposes only.	3 g, Bag	83192158851
	100 g, Tube	83192158852
	5 g, TU*	83230140233

Brake fluid and hydraulic fluid

Brake fluid DOT4 front left, low viscosity * TU = Trade Unit. TU numbers cannot be ordered! For invoicing purposes only. EU	250 ml, Can	83132405975
	500 ml, Can	83132405976
	1 l, Can	83132405977
	5 l, Can	83132405978
	30 l, Barrel	83130443028
	60 l, Barrel	83130443029
	1000 ml, TU*	83132184842
	1000 ml, TU*	83132184843
	1000 ml, TU*	83130443030

Brake fluid and hydraulic fluid

Brake fluid DOT4, low viscosity OFF	500 ml, Can	83130042718
	30 , Barrel	83130430440

Brake fluid and hydraulic fluid

Brake fluid DOT4, low viscosity CHN	1 , Can	83132406162
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	1, Can	83132467487
Brake fluid and hydraulic fluid		
Brake fluid DOT4, low viscosity JPN	1, Can	83132405979
	5, Canister	83132406163

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3511 Overview of tightening torques

Pedal bracket on body			
M8	Tightening torque		22Nm
Renew screw.			

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3521 Overview of tightening torques

Brake pedal travel sensor to holder			
M5X10 screw		Tightening torque	5Nm
Brake pedal travel sensor with holder to bearing support			
Oval-head screw		Tightening torque	3.3Nm

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3540 Overview of tightening torques

Accelerator pedal module to body			
M6 Renew screw.		Tightening torque	8Nm
Brake pedal travel sensor to driver pin			
Nut M6		Renew nut. Tightening torque	8Nm

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3610 Overview of tightening torques

Wheel bolts

M14 / SW17

Screw in wheel bolts and evenly tighten crosswise by hand in order to centre the wheel rim.

Tighten wheel bolts to the prescribed tightening torque with a calibrated torque wrench in a crosswise sequence.

Check all the wheel bolts in the same order or retighten to the prescribed tightening torque again.

Tightening torque	140Nm
Check	140Nm

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3612 Overview of Technical Data

Drive the vehicle	
	Speed
	min. 20 km/h
	Travel time
	max. 10 min

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3620 Overview of tightening torques

Tyre valve to wheel rim		
Replace union nut.	Tightening torque	8Nm
Tighten screw connection in one go.		
Do not retighten the screw connection.		

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36 operating fluid overview

Expendable materials

Tyre-fitting paste	3500 g, Bucket	81220433046
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Expendable materials

Lubricating spray	400 ml, Spray can	83192156562
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