

34 00 Brake test and bleeding

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Vent valve	F45 / F46 / F48 / F49 / F52			10 Nm

34 11 Front Brake

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Brake disc to wheel hub (contact faces between brake disc and wheel hub clean and grease-free)	F45 / F46 / F48 / F49 / F52		Renew screws.	16 Nm
2AZ Brake caliper to steering knuckle	F45 / F46 / F48 / F49 / F52	M12x1.5	Renew screws.	110 Nm
3AZ Guide screws (hexagon screw)	F45 / F46 / F48 / F49 / F52	Â	Renew screws.	35 Nm
4AZ Protective plate to steering knuckle	F45 / F46 / F48 / F49 / F52	M6x12	Replace self-locking or microencapsulated screws.	12 Nm

3411 Overview of tightening torques

Brake disc to front wheel hub		
M8 Renew screw.		16Nm
Brake disc to front wheel hub		
M8 Renew screw.	Tightening torque	16Nm
Brake disc to front wheel hub		
M8 Renew screw.		16Nm

34 21 Rear brakes

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Brake disc to wheel hub (contact faces between brake disc and wheel hub clean and grease-free)	F45 / F46 / F48 / F49 / F52		Renew screws.	16 Nm
2AZ Caliper carrier to wheel carrier	F45 / F46 / F48 / F49 / F52	M12x1.5	Renew screws. Tightening torque Angle of rotation	30 Nm 90 °
3AZ Guide screws for brake calliper	F45 / F46 / F48 / F49 / F52			30 Nm
4AZ Brake guard plate, rear, to trailing arm	F45 / F46 / F48 / F49 / F52	M6 x 12	Replace self-locking or microencapsulated screws.	12 Nm

3421 Overview of tightening torques

Brake disc to rear wheel hub			
M8 Renew screw.			16Nm
Brake disc to rear wheel hub			
M8 Renew screw.		Tightening torque	16Nm

34 31 Tandem brake master cylinder

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Tandem brake master cylinder to brake servo	F45 / F46 / F48 / F49 / F52		Replace self-locking nuts.	23 Nm
2AZ Expansion tank to tandem brake master cylinder	F45 / F46 / F48 / F49 / F52			4 Nm

34 32 Brake Lines

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Brake line screw connections	F45 / F46 / F48 / F49 / F52	M10 x 1 M12 x 1		17 Nm
2AZ Brake hose to brake caliper, front	F45 / F46 / F48 / F49 / F52	M10		24 Nm
3AZ Brake hose to brake caliper, rear	F45 / F46 / F48 / F49 / F52	M10		24 Nm

3432 Overview of tightening torques

Brake hose to brake line	
	17Nm

34 33 Brake servo

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Bearing pedestal to brake assembly and body	F45 / F46 / F48 / F49 / F52		Replace self-locking nuts.	24 Nm
2AZ Electric vacuum pump to bracket	F45			9 Nm

34 41 Parking brake

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ EMF actuator to brake caliper	F45 / F46 / F48 / F49 / F52	wrench size 5 mm	Replace screws	8 Nm
Cable clip to brake caliper	F45 / F46 / F48 / F49 / F52	wrench size 5 mm	Replace screws	14 Nm

34 51 Slip control system (DSC)

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Control unit to hydraulic control unit	F45 / F46 / F48 / F49 / F52			5,5 Nm
2AZ Hydraulic control unit to holder	F45 / F46 / F48 / F49 / F52			8 Nm
3AZ Bracket to body	F45 / F46 / F48 / F49 / F52			8 Nm
4AZ Front pulse sensor to steering stub	F45 / F46 / F48 / F49 / F52			8 Nm
5AZ Rear pulse sensor to side member	F45 / F46 / F48 / F49 / F52			12 Nm
6AZ Optional equipment system (SAS) control unit to holder	F45 / F46 / F48 / F49 / F52			8 Nm

34 51 Slip control system (DSC)

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Control unit to hydraulic control unit	F45 / F46 / F48 / F49 / F52			5,5 Nm
2AZ Hydraulic control unit to holder	F45 / F46 / F48 / F49 / F52			8 Nm
3AZ Bracket to body	F45 / F46 / F48 / F49 / F52			8 Nm
4AZ Front pulse sensor to steering stub	F45 / F46 / F48 / F49 / F52			8 Nm
5AZ Rear pulse sensor to side member	F45 / F46 / F48 / F49 / F52			12 Nm
6AZ Optional equipment system (SAS) control unit to holder	F45 / F46 / F48 / F49 / F52			8 Nm

3451 Overview of tightening torques

Holder, hydraulic control unit, to body			
Screw		Tightening torque	8Nm

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, low viscosity OFF	500 ml, Can	83130042718
	30 , Barrel	83130430440

Brake fluid and hydraulic fluid

Brake fluid DOT4, low viscosity CHN	1 , Can	83132406162
	1 , Can	83132467487

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
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