

Section 5 Brakes

Group 51 Wheel brakes

Brake fluid, type		DOT 4 +
Front wheel brake, 16"		
Brake disc (ventilated):		
Outer diameter	mm	302
Thickness, new	mm	26.0
Replace when at min	mm	23.0
Min brake pad thickness at replacement	mm	23.8
Max lateral runout, floating disc	mm	0.035
On hub	mm	0.040
Max thickness variation	mm	0.008
Wheel cylinder:		
Inner diameter	mm	57.00
Brake pads JURID 950		
Thickness, new	mm	14.0
Minimum	mm	3.0
Rear wheel brakes, 2WD		
Brake disc (solid):		
Outer diameter	mm	295
Thickness, new	mm	9.6
Replace when at minimum	mm	8.4
Minimum brake pad thickness at replacement	mm	8.9
Maximum lateral runout, floating disc	mm	0.050
On hub	mm	0.080
Maximum thickness variation	mm	0.008
Brake pads (Roulund DB 8034 E):		
Thickness, new	mm	9.4
Minimum	mm	2.0
Wheel cylinder:		
Inner diameter	mm	38
Master cylinder, type ATE tandem:		
Primary cylinder, diameter	mm	23.81
Secondary cylinder, diameter	mm	23.81
Servo cylinder:		

Group 55 Parking brake

ATE Type	inches	1 x 10
Gear ratio		4.5: 1

Group 55 Parking brake

Brake drum:		
Diameter	mm	178
Radial runout, maximum	mm	0.15
Out of round, maximum	mm	0.15
Full power must be maintained:		
After adjustment	notches	3 - 5
When checking, maximum	notches	11
After adjustment always check that the wheel can roll freely.		

Tightening torques

Mounting screws:		
Front brake calliper	Nm	100
Rear brake calliper	Nm	50
Protective panel, steering arm	Nm	10
Protective panel, stub axle	Nm	25
Brake calliper, sliding pin	Nm	30
Wheels (stud)	Nm	110
Mounting nuts, master cylinder	Nm	25
Mounting nuts, servo cylinder	Nm	25
Bleed nipples, front	Nm	9
Bleed nipples, rear	Nm	5
Brake pipe, unions	Nm	14
Brake hoses to brake calliper	Nm	18

Group 59 Anti-lock brakes (ABS)

Hydraulic pump (MK 20 IE)		
ABS	Volvo P/N	See replacement parts catalogue
TRACS	Volvo P/N	See replacement parts catalogue
STC	Volvo P/N	See replacement parts catalogue
Control module (MK 20 EI):		
ABS	Volvo P/N	See replacement parts catalogue
TRACS	Volvo P/N	See replacement parts catalogue

C70*Group 59 Anti-lock brakes (ABS)*

STC	Volvo P/N	See replacement parts catalogue
Power consumption:		1.75
Inlet valves	A	
Return valves	A	3.30
Sensors:		
Front, 2WD	Volvo P/N	See replacement parts catalogue
Rear, 2WD	Volvo P/N	See replacement parts catalogue
Rear, AWD	Volvo P/N	See replacement parts catalogue
Tightening torques	Nm (ft. lb.)	10 (7)
Pulse wheel:		
Front	Volvo P/N	See replacement parts catalogue
Rear (Koyo)	Volvo P/N	See replacement parts catalogue