

Master cylinder**Type, ATE tandem**

Primary cylinder, diameter	mm	23.81
Secondary cylinder, diameter	mm	20.46

Reduction valve

Begins reducing at	MPa	2.5
Reduction		1 : 0.5

Servo cylinder

Type, ATE	Inches	1 * 10
Ratio		4.5 : 1

Group 55 Parking brake**Parking brake**

Brake drum, diameter	mm	178
radial runout, max.	mm	0.15
out-of-round, max.	mm	0.15
Full braking effect after adjusting at	notches	3 - 5
when checking, max.	notches	11

Tightening torques

	Nm	ft.lb
Fasteners, front brake calipers	100	74
rear brake calipers	50	37
shield, steering knuckle	10	7
shield, wheel axle	25	18
brake caliper, slide pin	30	22
Wheel (bolts)	110	81
Attaching nuts, master cylinder	25	18
servo cylinder	25	18
Bleeder nipples, front	9	7
rear	5	3.7
Brake pipe unions	14	10
Brake hoses to caliper	18	13

Group 59 Anti-lock brakes (ABS)

Hydraulic pump (ATE Mk 4), without TRACS Volvo P/N 68 06 796-6
 with TRACS Volvo P/N 35 16 939-0

Control module (ATE Mk 4), without TRACS, -92 ... Volvo P/N 35 15 775-9
 93 ... Volvo P/N 68 49 538-1
 94 ... Volvo P/N 68 49 823-7
 with TRACS, -93 ... Volvo P/N 91 28 081-8
 94 ... Volvo P/N 91 28 844-9

Inlet valves

current consumptionA 1.75

Return valves

current consumptionA 3.30

Sensors

front (ATE), - 93Volvo P/N 68 06 786-7
 93 -Volvo P/N 68 49 311-3
 rear (ATE), - 93Volvo P/N 68 06 787-5
 94 -Volvo P/N 91 28 422-4
 resistance.....Ω 1100 ± 10%
 tightening torque.....Nm(ft.lb) 10 (7)

Tooth wheel

front.....Volvo P/N 68 14 502-8
 rear (Koyo).....Volvo P/N 13 87 941-6

Position sensor, brake pedal

resistance, inactive..... 249 ± 10%
 fully depressed ∞