

Document Title: Brakes, L90B	Function Group: 030	Information Type: Service Information	Date: 17-08-2022
Profile:			

Brakes, L90B

Brake system

Type	Dual-circuit, fully hydraulic with disc brakes and pressure accumulators
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Hydraulic oil pump (in common with servo system)

Type	Gear pump
Designation	G5 - 12 - A15F - 23R - EU883 - 875043R

Foot brake valve / unloading valve

Designation	LT 17 MFA - 20 - S02
System pressure, unloading pressure	15.0 - 15.5 MPa (150 - 155 bar) (2176 - 2248 psi)
System pressure, cutting-in pressure	12.0 - 13.0 MPa (120 - 130 bar) (1740 - 1855 psi)
Max. output brake pressure	11.0 - 13.0 MPa (110 - 130 bar) (1595 - 1885 psi)
Low-indication pressure	8.5 - 9.5 MPa (85 - 95 bar) (1233 - 1378 psi)

Accumulator

Type	Diaphragm accumulator
Designation	E050 - 4315 - 044 - 611
Number	2 pcs
Capacity	0.5 litre
Precharging pressure, new	5.0 MPa (50 bar) (725 psi)
Precharging pressure, minimum	3.5 MPa (35 bar) (508 psi)

Brake lining

Service brake Thickness of brake lining (approx.)	16 mm (0.630 in)
Minimum thickness of brake lining (approx.)	3 mm (0.118 in)
Parking brake Thickness of brake lining	10 mm (0.394 in)
Minimum thickness of brake lining	2 mm (0.079 in)

Brake discs

Service brake	
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Thickness of brake discs	16 mm (0.630 in)
Minimum thickness of brake discs	13 mm (0.519 in)
Max. permissible wear	3 mm (0.118 in)
Parking brake Thickness of brake discs	22 mm (0.866 in)
Minimum thickness of brake discs	18 mm (0.709 in)
Max. permissible wear	4 mm (0.157 in)

Document Title: Brakes, L120B	Function Group: 030	Information Type: Service Information	Date: 17-08-2022
Profile:			

Brakes, L120B

Brake system

Type	Dual-circuit, fully hydraulic with disc brakes and pressure accumulators
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Hydraulic oil pump (in common with servo system)

Type	Gear pump
Designation	G5 - 12 - A15F - 23R - EU883 / 875043 R

Foot brake valve / unloading valve

Designation	LT 17 MFA - 20 / S02 - 590827
System pressure, unloading pressure	15.0 - 15.5 MPa (150 - 155 bar) (2176 - 2248 psi)
System pressure, cutting-in pressure	12.0 - 13.0 MPa (120 - 130 bar) (1740 - 1855 psi)
Max. output brake pressure	11.0 - 13.0 MPa (110 - 130 bar) (1595 - 1885 psi)
Low-indication pressure	8.5 - 9.5 MPa (85 - 95 bar) (1233 - 1378 psi)

Accumulator

Type	Diaphragm accumulator
Designation	E100 - 4315 - 034 - 611
Number	2 pcs
Capacity	1.0 litre
Precharging pressure, new	5.0 MPa (50 bar) (725 psi)
Precharging pressure, minimum	3.5 MPa (35 bar) (508 psi)

Brake lining

Service brake Thickness of brake lining (approx.)	16 mm (0.630 in)
Minimum thickness of brake lining (approx.)	3 mm (0.118 in)
Parking brake Thickness of brake lining	10 mm (0.394 in)
Minimum thickness of brake lining	2 mm (0.079 in)

Brake discs

Service brake	
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Thickness of brake discs	16 mm (0.630 in)
Minimum thickness of brake discs	13 mm (0.519 in)
Max. permissible wear	3 mm (0.118 in)
Parking brake Thickness of brake discs	22 mm (0.866 in)
Minimum thickness of brake discs	18 mm (0.709 in)
Max. permissible wear	4 mm (0.157 in)

Document Title: Capacities	Function Group: 030	Information Type: Service Information	Date: 17-08-2022
Profile:			

Capacities

	L 90B			L 120B		
	litres	US gal	litres	US gal	litres	US gal
Engine, incl. filter	17	4.5			22	5.8
Engine, when changing oil incl. filter	16	4.2			21	5.5
Cooling system, total	53	14.0			65	17.2
Front axle, total when changing oil	30	7.9			32	8.4
out of which in each hub reduction gear	4	1.1			5	1.3
Rear axle, total when changing oil	28	7.4			38	10.0
out of which in each hub reduction gear	3	0.8			4	1.1
Transmission, total			33	8.7		
Transmission, when changing incl. filter			21	5.5		
Dropbox when changing oil			4.7	1.2		
Hydraulic system, total	130	34.3			220	58.1
Hydraulic oil tank	95	25.1			155	40.9
Fuel tank	210	55.4			255	67.3
AC, amount of refrigerant			2,5-2,6 kg 5.5-5.7 lb			

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