



Contents

00 - Technical data	1
1 — Change history —	1
2 Identification	2
2.1 Brake PR number correspondence	2
3 Technical data	4
3.1 Brake - technical data	4
4 Brake Test	7
4.1 General information	7
4.2 Information about the test	7
5 Safety indications	8
5.1 Safety measures for test drives with testing and measuring equipment	8
45 - Anti-lock brake system	9
1 General information	9
1.1 Information on repair works on the ABS	9
2 Assembly location overview	11
2.1 ABS/ESP - assembly location overview	11
3 Hydraulic unit and control unit	14
3.1 Hydraulic unit and control unit - assembly overview	14
3.2 ABS control unit J104 / ABS hydraulic unit N55 - remove and install	16
3.3 Control unit - remove from the hydraulic unit	22
3.4 Control unit - install on the hydraulic unit	23
3.5 Connect brake pipes in the hydraulic unit	25
4 Sensors	27
4.1 Front wheel speed sensor - assembly overview	27
4.2 Rear axle speed sensor - assembly overview	28
4.3 Front wheel speed sensor G45/G47 - remove and install	29
4.4 Rear wheel speed sensor G44/G46 - remove and install	30
4.5 Steering angle sensor G85 - remove and install	31
46 - Brakes - mechanism	32
1 Front wheel brake	32
1.1 Front wheel brake - assembly overview	32
1.2 Brake pads - remove and install	34
1.3 Brake caliper - remove and install	37
1.4 Brake disc - remove and install	42
1.5 Brake cover plate - remove and install	43
1.6 Brake disk (knocking) - check	44
2 Rear wheel brake	45
2.1 Rear wheel brake - assembly overview	45
2.2 Brake pads - remove and install	51
2.3 Brake caliper - remove and install	55
2.4 Brake support - remove and install	58
2.5 Brake disc - remove and install	59
2.6 Brake shoes - remove and install	61
2.7 Adjust the drum brake	70
2.8 Brake cover plate - remove and install	71
3 Handbrake	73
3.1 Handbrake - assembly overview	73
3.2 Handbrake lever - remove and install	74
3.3 Handbrake switch - remove and install	76



3.4	Handbrake lever adjustment	77
3.5	Rear brake cable - remove and install	80
4	Brake pedal	87
4.1	Brake pedal - assembly overview	87
4.2	Brake pedal - separate	89
4.3	Fasten the brake pedal to the servo brake	89
4.4	Pedal set - remove and install	90
4.5	Brake pedal - remove and install	92
47	Brakes - hydraulics	94
1	Front brake caliper	94
1.1	Front brake caliper - assembly overview	94
1.2	Plunger for front brake caliper - remove and install	95
2	Rear brake caliper	98
2.1	Rear brake caliper - assembly overview	98
2.2	Brake caliper piston - remove and install	99
3	Brake servo and master cylinder	103
3.1	Brake servo and master-cylinder - assembly overview	103
3.2	Brake light switch - remove and install	105
3.3	Brake servo - remove and install	106
3.4	Master cylinder - remove and install	111
4	Brake pipes	114
4.1	Brake pipes - repair	114
5	Vacuum system	120
5.1	Electric vacuum pump - assembly overview	120
5.2	Retention valve - check	126
5.3	Pressure sensor on the suction pipe G608 - remove and install	127
5.4	Vacuum system - check	128
6	Hydraulic system	135
6.1	General notes regarding the brake fluid	135
6.2	Bleed the brake system	135
6.3	Bleed the brake system later	136
6.4	Tightness assessment	138