



Contents

00 - Technical data	1
1 Technical data	1
1.1 Technical data	1
1.2 Running gear >09.99	1
1.3 Running gear 10.99 >	1
1.4 Steering	1
1.5 Wheels, tyres	2
40 - Front suspension	3
1 Servicing front suspension	3
1.1 Servicing front suspension	3
1.2 I - Assembly overview sub-frame, anti-roll bar, wishbone	6
1.3 Allocating anti-roll bar >09.99	13
1.4 Allocating anti-roll bar 10.99 >	13
1.5 Ball joint installation position; 13" running gear	13
1.6 Ball joint installation position; 14" running gear	14
1.7 Checking swivel joint	15
1.8 Removing and installing ball joint	16
1.9 Removing and installing sub-frame >09.99	19
1.10 Removing and installing sub-frame 10.99 >	21
1.11 II - Assembly overview wheel bearing, suspension strut	24
1.12 Pressing front wheel bearing out and in with wheel bearing housing installed	35
1.13 Removing and installing drive shafts	39
1.14 Servicing front suspension strut>09.99	42
1.15 Servicing front suspension strut 10.99>	46
2 Servicing drive shaft	50
2.1 Servicing drive shaft	50
2.2 Servicing drive shaft with constant velocity joint	50
2.3 Assembly overview drive shaft with constant velocity joint	51
2.4 Checking outer constant velocity joint	58
2.5 Checking inner constant velocity joint	60
2.6 Assembly overview drive shaft with triple roller joint	65
2.7 Servicing drive shaft with triple roller joint	68
42 - Rear suspension	73
1 Servicing rear axle	73
1.1 Servicing rear axle	73
1.2 Removing and installing rear axle	73
1.3 Assembly overview, rear axle beam >09.99	75
1.4 Removing and installing bonded rubber mounting >09.99	79
1.5 Assembly overview, rear axle beam 10.99 >	83
1.6 Removing and installing bonded rubber mounting/hydraulic bonded rubber mounting 10.99>	87
1.7 Assembly overview suspension strut	88
2 Servicing wheel bearings	91
2.1 Servicing wheel bearings	91
2.2 Assembly overview wheel bearings, drum brakes>09.99	92
2.3 Assembly overview wheel bearings, disc brakes>09.99	99
2.4 Assembly overview wheel bearings 10.99>	107
2.5 Removing and installing wheel bearing/wheel hub unit on vehicles with drum brakes	110
2.6 Removing and installing wheel bearing/wheel hub on vehicles with disc brakes	112
44 - Wheels, Tyres, Wheel alignment	114
1 Vehicle alignment	114



1.1	Vehicle alignment	114
1.2	Test prerequisites:	114
1.3	Vehicle alignment specifications	115
1.4	Adjusting front wheel camber	115
1.5	Checking left and right-hand wheel lock	116
1.6	Calculating the direction of travel:	117
48	- Steering	118
1	Airbag, steering wheel, steering column	118
1.1	Airbag, steering wheel, steering column	118
1.2	Assembly overview driver's airbag, steering wheel>09.99	118
1.3	Removing and installing airbag unit>09.99	120
1.4	Removing and installing steering wheel>09.99	120
1.5	Removing and installing coil connector with slip ring>09.99	121
1.6	Assembly overview driver's airbag, steering wheel 10.99>	123
1.7	Removing and installing driver's airbag unit 10.99 >	124
1.8	Removing and installing steering wheel 10.99>	127
1.9	Removing and installing coil connector with slip ring 10.99>	128
1.10	Removing and installing coil connector with slip ring; vehicles with ESP 10.99>	129
1.11	Removing and installing column tube with steering column	130
1.12	Assembly overview steering column, column tube; >Vehicle identification No. 6N V 300 000	134
1.13	Dismantling and assembling column tube and steering column	138
1.14	Assembly overview steering column, column tube; Vehicle identification No. 6N W 000 001>	143
1.15	Dismantling and assembling column tube and steering column	148
2	Servicing mechanical steering box	155
2.1	Servicing mechanical steering box	155
2.2	Removing and installing mechanical steering box	155
2.3	Assembly overview mechanical steering box	160
2.4	Checking play, security and boots on tie rod ends	163
2.5	Checking left-hand track rod length and if necessary adjusting	164
2.6	Assembling track rod	164
2.7	Adjusting steering box	165
3	Servicing power assisted steering	167
3.1	Servicing power assisted steering	167
3.2	Checking pump delivery pressure	168
3.3	Removing and installing power assisted steering box	170
3.4	Assembly overview power assisted steering box	174
3.5	Assembly overview hydraulic pipes, power assisted steering box; RHD vehicles	179
3.6	Removing and installing track rod	180
3.7	Modified track rod ball joints	181
3.8	Modified track rods	182
3.9	Checking left-hand track rod length and if necessary adjusting	183
3.10	Checking play, security and boots on tie rod ends	185
4	Assembly overview vane pump, reservoir, hydraulic pipes	185
4.1	Assembly overview vane pump, reservoir, hydraulic pipes	185
4.2	Removing and installing power-assisted steering vane pump	189
4.3	Removing and installing ribbed belt	192