



Contents

00 - Technical data	1
1 Identification	1
1.1 Identification of transfer box	1
1.2 Identification of final drive	2
2 Technical data	3
2.1 Allocation of rear final drive - engine/capacities	3
2.2 Allocation of front final drive - engine/capacities	3
2.3 Allocation of transfer box - engine/capacities	3
2.4 Allocation of rear axle - engine/capacities	4
2.5 Calculation of gear ratios	8
3 Overview - power transmission	9
3.1 Overview - power transmission - all-wheel drive	9
4 Repair instructions	10
4.1 Gearbox	10
4.2 Rear axle	10
4.3 Gaskets and seals	10
4.4 Locking devices	10
4.5 Nuts and bolts	11
4.6 Bearings	11
4.7 Shims	11
39 - Final drive - rear differential	12
1 Rear final drive	12
1.1 Assembly overview - final drive	12
1.2 Assembly overview - differential	16
1.3 Removing and installing drive pinion and differential	16
1.4 Dismantling and assembling differential	27
1.5 Removing and installing crown wheel	30
1.6 Checking backlash and contact pattern	31
1.7 Pulling tapered roller bearing for drive pinion off and pressing it on	34
1.8 Pulling tapered roller bearing for differential off and pressing it on	35
1.9 Overview of shims	37
1.10 Adjustment overview	39
1.11 Determining shims for crown wheel	40
1.12 Determining shims for drive pinion	43
1.13 Repairing propshaft flange	46
2 Differential lock	50
2.1 Function	50
2.2 Rear-axle differential lock components and their locations	50
3 Propshaft	54
3.1 Assembly overview - propshaft	54
3.2 Removing and installing propshaft	58
3.3 Dismantling and assembling propshaft	62
4 Gear oil for rear final drive	73
4.1 Checking gear oil level	73
5 Seals for rear final drive	74
5.1 Renewing propshaft flange seal	74
39 - Final drive - front differential	81
1 Front final drive	81
1.1 Assembly overview - final drive	81
1.2 Removing and installing front final drive	81



1.3	Renewing bonded rubber bush on rear of final drive	86
1.4	Renewing bonded rubber bush on front of final drive	88
1.5	Renewing bonded rubber on left of final drive	89
2	Gear oil for front final drive	92
2.1	Checking level of gear oil	92
3	Oil seals for front final drive	94
3.1	Renewing flange shaft seal	94
3.2	Renewing dust cap for flange shaft	101
3.3	Renewing needle bearing for left flange shaft	104
39	Final drive - differential	107
1	Transfer box	107
1.1	Assembly overview - transfer box	107
1.2	Checking gear oil level	112
1.3	Removing and installing transfer box	113
1.4	Dismantling and assembling transfer box	116
1.5	Renewing oil seals	142