



Contents

00 - Technical data	1
1 Safety information	1
2 Identification	2
3 Technical data	3
3.1 Allocation gearbox - engine	3
3.2 Capacities	3
4 Overview - power transmission	4
4.1 Overview - power transmission - front-wheel drive	4
4.2 Overview - power transmission - all-wheel drive	5
5 Electrical components	8
6 Repair notes	9
6.1 General repair instructions	9
30 - Clutch	13
1 Clutch mechanism	13
1.1 Assembly overview - clutch release mechanism	13
1.2 Removing and installing clutch slave cylinder together with release bearing	15
1.3 Repairing clutch release mechanism	17
2 Clutch	19
2.1 Assembly overview - clutch	19
2.2 Removing and installing clutch	22
34 - Controls, housing	40
1 Selector mechanism	40
2 Removing and installing gearbox	41
3 Bevel box	42
3.1 Distinguishing between different types of bevel boxes	42
3.2 Removing bevel box	42
3.3 Installing bevel box	42
4 Front differential lock	43
5 Transporting gearbox	44
5.1 Transporting manual gearbox	44
5.2 Transporting front differential lock	45
6 Gear oil	46
7 Securing to engine and gearbox support	47
7.1 Installing manual gearbox to engine and gearbox support	47
7.2 Installing bevel box or front differential lock to engine and gearbox support	48
8 Dismantling and assembling gearbox	50
8.1 Schematic overview - gearbox	50
8.2 Assembly overview - gearbox	53
8.3 Assembly overview - gearbox housing and selector mechanism	55
8.4 Assembly overview - shafts, differential, selector mechanism	58
8.5 Assembly overview - selector forks	62
8.6 Dismantling and assembling gearbox	63
9 Gearbox housing, clutch housing	88
9.1 Assembly overview - gearbox housing	88
9.2 Assembly overview - clutch housing	90
9.3 Repairing gearbox housing	92
9.4 Repairing clutch housing	102
35 - Gears, shafts	105



1	Input shaft	105
1.1	Assembly overview - input shaft	105
1.2	Dismantling and assembling input shaft	106
1.3	Renewing input shaft seal	112
2	Output shaft	114
2.1	Assembly overview - output shaft	114
2.2	Dismantling and assembling output shaft	121
2.3	Adjusting output shaft	150
39	- Final drive - differential	162
1	Seals	162
1.1	Overview of fitting locations - oil seals	162
2	Differential	165
2.1	Assembly overview - differential	165
2.2	Dismantling and assembling differential	170
2.3	Adjusting differential	186
3	Adjustment overview	191
4	Components of bevel box	192
4.1	Assembly overview - components of bevel box	192
4.2	Renewing bevel box seals	197
4.3	Renewing output flange and redetermining thickness of shim	225
5	Components of front differential lock	227
5.1	Assembly overview - components of front differential lock	227
5.2	Checking function	229
5.3	Renewing seals for front differential lock	229
5.4	Renewing ball bearing for flange shaft	235
6	Gear oil	240
7	Oil for front differential lock	241