



Contents

00 - Technical data	1
1 Gearbox identification	1
1.1 Identification characters, aggregate assignment, ratios, filling capacities	2
2 Overview of Transmission System	3
2.1 Designation of components and transmission ratio	3
3 General repair instructions	4
30 - Clutch	6
1 Clutch operation	6
1.1 Summary of components - Foot controls	6
1.2 Remove and install the return spring	8
1.3 Removing and installing clutch pedal	9
1.4 Summary of components - Hydraulics	9
1.5 Removing and installing the master cylinder	11
1.6 Bleeding the clutch control	13
2 Removing and installing clutch release mechanism	14
3 Repairing clutch	16
34 - Controls, housing	18
1 Shift mechanism	18
1.1 Fitting location of shift mechanism	18
2 I - gearshift knob and cover - assembly overview	20
2.1 Disconnect the cuff from the shift lever	21
3 II - selector lever and selector housing - Assembly overview	22
4 III - Control cables - Assembly overview	24
5 Removing and installing selector mechanism	26
5.1 Removing	26
5.2 Installing	27
6 Setting the shift mechanism	29
6.1 Function	31
7 Removing and installing the gearbox	32
7.1 Removing	32
7.2 Installing	36
8 Checking gear oil level	38
8.1 Draining out gear oil	38
9 Disassembling and assembling the gearbox	39
9.1 I - Removing and installing gearbox housing cover and 5th gear	40
9.2 II - Removing and installing gearbox housing, input shaft, output shaft, differential gear and shift actuator.	41
9.3 Mounting sequence	42
10 Repairing gearbox housing	50
11 Repairing clutch housing	53
12 Dismantling and assembling selector mechanism	57
13 Disassembling and assembling the gearshift forks	60
35 - Gears, shafts	61
1 Disassembling and assembling the drive shaft	61
2 Disassembling and assembling the output shaft	65
3 Disassembling and assembling the return wheel axle	70



39 - Final drive - rear differential	72
1 Replacing the flange shaft gasket rings (gearbox assembled)	72
1.1 Replacing the left flange shaft sealing ring	72
1.2 Replacing the right flange shaft seal ring	74
2 Disassembling and assembling differential gear	77
3 Adjusting the differential	83