

Contents

00 - Technical data	1
1 Gearbox identification	1
1.1 Location on gearbox	1
1.2 Code, allocation, transmission ratios, capacities	2
2 Overview - power transmission	4
3 Calculating ratio "i"	6
4 General repair instructions	7
30 - Clutch	11
1 Servicing clutch mechanism	11
1.1 Checking hydraulic clutch mechanism	13
1.2 Assembly overview - pedal cluster	14
1.3 Removing and installing clutch pedal switch F36 (square housing)	16
1.4 Removing and installing clutch pedal switch F36 (round housing)	17
1.5 Removing and installing clutch pedal switch for engine start F194	18
1.6 Removing and installing over-centre spring (LHD vehicles)	19
1.7 Removing and installing clutch pedal	20
1.8 Assembly overview - hydraulic system	22
1.9 Removing and installing clutch master cylinder	24
1.10 Removing and installing clutch slave cylinder	28
1.11 Bleeding clutch system	33
2 Servicing clutch release mechanism	36
3 Servicing clutch	38
3.1 Fault-finding on power transmission - complaints regarding defects on the clutch and clutch mechanism	38
3.2 Servicing clutch - assembly overview	43
3.3 Removing and installing clutch	45
34 - Controls, housing	47
1 Servicing selector mechanism	47
1.1 Installation position of selector mechanism	47
1.2 Removing and installing gear knob and cover	48
1.3 Servicing gear lever	50
1.4 Assembly overview - removing and installing selector cables	52
1.5 Removing and installing selector mechanism	57
1.6 Adjusting selector mechanism	62
2 Removing and installing gearbox	67
2.1 Removing gearbox	69
2.2 Installing gearbox	79
2.3 Transporting gearbox	88
2.4 Removing and installing gearbox mounting	89
2.5 Removing and installing gearbox bracket	94
2.6 Removing and installing pendulum support	101
3 Checking gearbox oil	103
4 Dismantling and assembling gearbox	104
4.1 General layout of gearbox	104
4.2 Assembly overview	104
4.3 Removing and installing gearbox housing cover and 5th gear	105
4.4 Dismantling and assembling gearbox housing and selector mechanism	107
4.5 Removing and installing input shaft, output shaft, differential and selector forks	108
4.6 Dismantling and assembling sequence	109
5 Servicing gearbox housing and clutch housing	124



6	Dismantling and assembling selector mechanism in gearbox	132
7	Dismantling and assembling selector forks	137
35	- Gears, shafts	143
1	Input shaft	143
1.1	Dismantling and assembling input shaft	143
1.2	Modified springs for 5th gear synchromesh from gearbox build date 05 11 1	150
1.3	Adjusting input shaft	151
1.4	Table of shims	154
2	Output shaft	156
2.1	Dismantling and assembling output shaft	156
2.2	1st gear synchromesh modified as of gearbox build date 02 05 0	171
2.3	Adjusting output shaft	174
3	Dismantling and assembling reverse shaft	178
39	- Final drive - differential	182
1	Renewing flange shaft oil seals (gearbox installed)	182
1.1	Renewing left flange shaft oil seal	182
1.2	Renewing right flange shaft oil seal - two-piece oil seal and sleeve	184
1.3	Renewing right flange shaft oil seal - one-piece oil seal and sleeve	186
2	Table of adjustments	190
3	Differential	191
3.1	Dismantling and assembling differential	191
3.2	Adjusting differential	201