

Contents

00 - Technical data	1
1 Gearbox identification	1
1.1 Location on gearbox	1
2 General repair instructions	3
2.1 Special tools	3
2.2 Components	3
34 - Controls, housing	8
1 Dismantling and assembling gearbox	8
1.1 General layout of gearbox	8
1.2 Exploded view - dismantling and assembling gearbox	10
1.3 Exploded view - removing and installing centre differential housing and centre differential	11
1.4 Servicing bearings for centre differential	12
1.5 Exploded view - removing and installing gearbox cover and selector shaft	15
1.6 Exploded view - removing and installing 1st, 2nd and reverse gear	19
1.7 Exploded view - removing and installing input shaft, hollow shaft, pinion shaft and selector rods	21
1.8 Assembly sequence - dismantling and assembling gearbox	25
1.9 Renewing grooved ball bearing for input shaft with gearbox removed (gearbox remains assembled)	46
2 Dismantling and assembling centre differential housing	50
3 Servicing gearbox cover	56
4 Servicing gearbox housing	61
35 - Gears, shafts	69
1 Input shaft	69
1.1 Exploded view - input shaft	69
1.2 Assembly sequence - dismantling and assembling input shaft	73
2 Pinion shaft and hollow shaft	83
2.1 Exploded view - pinion shaft and hollow shaft	83
2.2 Dismantling and assembling pinion shaft	87
2.3 Re-determining shim „S5“ for positioning tapered roller bearing inner race	91
2.4 Dismantling and assembling hollow shaft	92
2.5 Re-determining shim „S6“ for positioning 2nd speed selector gear	96
39 - Final drive - front differential	99
1 Renewing oil seals for flange shafts	99
2 Removing and installing differential	100
3 Dismantling and assembling differential	104
3.1 Exploded view - differential	104
3.2 Dismantling and assembling differential	106
4 Adjusting pinion shaft and crown wheel	112
4.1 Adjustment and marking of final drive gear set	112
4.2 Position of shims	115
4.3 Table of adjustments	115
4.4 Recommended sequence for adjusting gear set	116
4.5 Adjusting pinion shaft	116
4.6 Adjusting crown wheel	128