

Contents

00 - Technical data	1
1 Identification	1
1.1 Gearbox identification	1
2 Repair instructions	2
2.1 General repair instructions	2
30 - Clutch	8
1 Clutch mechanism	8
1.1 Exploded view - clutch release mechanism	8
1.2 Servicing clutch release mechanism	11
2 Clutch	12
2.1 General notes on clutch	12
2.2 Exploded view - clutch unit	15
2.3 Removing and installing clutch module	20
2.4 Removing and installing clutch	24
2.5 Resetting adjuster ring in pressure plate	32
2.6 Renewing needle bearing for dual-mass flywheel	34
34 - Controls, housing	38
1 Transporting gearbox	38
2 Securing to engine and gearbox support	39
3 Dismantling and assembling gearbox	41
3.1 Schematic overview - gearbox	41
3.2 Exploded view - gearbox	43
3.3 Exploded view - centre differential housing and centre differential	44
3.4 Exploded view - gearbox cover, selector shaft	45
3.5 Exploded view - gear cluster, reverse gear wheel, selector mechanism	48
3.6 Exploded view - selector forks	49
3.7 Dismantling and assembling gearbox	49
3.8 Removing and installing selector shaft	63
4 Gearbox housing, clutch housing	66
4.1 Exploded view - gearbox cover	66
4.2 Exploded view - gearbox housing	68
4.3 Servicing gearbox cover	70
4.4 Servicing gearbox housing	77
35 - Gears, shafts	81
1 Dismantling and assembling gears and shafts	81
1.1 Exploded view - gear cluster	81
1.2 Dismantling and assembling gear cluster	83
1.3 Exploded view - bearings for spur gear and centre differential	89
1.4 Servicing bearings for spur gear and centre differential	90
1.5 Determining preload of tapered roller bearings for spur gear	96
1.6 Re-determining preload of ball bearings for centre differential	98
2 Input shaft	101
2.1 Exploded view - input shaft	101
2.2 Dismantling and assembling input shaft	104
3 Output shaft	114
3.1 Exploded view - output shaft	114
3.2 Dismantling and assembling output shaft	119
39 - Final drive - differential	125



1	Final drive	125
1.1	Exploded view - final drive	125
1.2	Renewing cover for final drive	126
2	Oil seals	132
2.1	Renewing oil seal (left-side)	132
2.2	Renewing oil seal (right-side)	137
2.3	Renewing input shaft oil seal	139
3	Differential	142
3.1	Renewing mounting bracket and ball bearing for flange shaft (left-side)	142
4	Centre differential	145
4.1	Exploded view - centre differential housing	145
4.2	Servicing centre differential housing	146