

Contents

00 - Technical data	1
1 Identification	1
1.1 Gearbox identification	1
1.2 Bevel box identification	1
2 Technical data	3
2.1 Allocation of gearbox to engine	3
2.2 Capacities	3
3 Transmission layout	4
3.1 Transmission layout - four-wheel drive	4
4 Repair instructions	6
4.1 Contact corrosion	6
4.2 General repair instructions	6
30 - Clutch	11
1 Clutch mechanism	11
1.1 Overview - clutch mechanism	11
1.2 Exploded view - pedal cluster	13
1.3 Exploded view - clutch hydraulics	15
1.4 Exploded view - clutch release mechanism	19
1.5 Removing and installing over-centre spring	19
1.6 Removing and installing clutch pedal	21
1.7 Removing and installing mounting bracket	24
1.8 Removing and installing clutch position sender G476	27
1.9 Removing and installing clutch master cylinder	28
1.10 Removing and installing clutch slave cylinder together with release bearing	29
1.11 Removing and installing lines for clutch hydraulics	30
1.12 Bleeding clutch hydraulics	32
2 Clutch	34
2.1 Exploded view - LuK version clutch	34
2.2 Removing and installing LuK version clutch	35
34 - Controls, housing	40
1 Selector mechanism	40
1.1 Installation position - selector mechanism	40
1.2 Exploded view - gear knob and cover	42
1.3 Exploded view - gear lever and selector housing	43
1.4 Exploded view - selector cables	46
1.5 Removing and installing gear knob	51
1.6 Removing and installing selector mechanism	52
1.7 Dismantling and assembling selector mechanism	55
1.8 Removing and installing selector cable	60
1.9 Adjusting selector mechanism	62
1.10 Checking selector mechanism	64
1.11 Renewing selector shaft oil seal	65
2 Removing and installing gearbox	67
2.1 Removing gearbox	67
2.2 Installing gearbox	76
2.3 Tightening torques for gearbox	79
3 Transporting gearbox	80
4 Assembly mountings	81
4.1 Exploded view - assembly mountings	81
4.2 Removing and installing gearbox mounting	82



4.3	Removing and installing pendulum support	85
5	Bevel box	86
5.1	Removing bevel box	86
5.2	Installing bevel box	90
6	Gear oil	93
6.1	Checking gear oil level	93
7	Securing to engine and gearbox support	94
8	Dismantling and assembling gearbox	96
8.1	Schematic overview - gearbox	96
8.2	Exploded view - gearbox	97
8.3	Exploded view - gearbox housing and selector mechanism	98
8.4	Exploded view - selector unit	100
8.5	Exploded view - input shaft, output shafts, differential and selector rods	101
8.6	Exploded view - selector forks	103
8.7	Dismantling and assembling gearbox	104
9	Gearbox housing, clutch housing	116
9.1	Exploded view - gearbox housing	116
9.2	Exploded view - clutch housing	118
9.3	Servicing gearbox housing	120
9.4	Servicing clutch housing	122
35 - Gears, shafts		125
1	Input shaft	125
1.1	Exploded view - input shaft	125
1.2	Dismantling and assembling input shaft	127
2	Output shaft	133
2.1	Exploded view - output shaft	133
2.2	Dismantling and assembling output shaft	139
39 - Final drive - front differential		167
1	Oil seals	167
1.1	Renewing oil seal (left-side)	167
1.2	Renewing oil seal (right-side)	170
2	Differential	174
2.1	Exploded view - differential	174
2.2	Dismantling and assembling differential	176
2.3	Adjusting differential	180
3	Bevel box	185
3.1	Exploded view - bevel box	185
3.2	Renewing oil seals for bevel box	186
4	Gear oil	200
4.1	Checking gear oil level	200
4.2	Draining and filling gear oil	201
5	Propshaft	205
6	Rear final drive	206