



Contents

00 - Technical data	1
1 Safety information	1
1.1 Safety measures when working on vehicles with a start/stop system	1
2 Identification	2
2.1 Gearbox identification	2
3 Technical data	3
3.1 Allocation gearbox - engine	3
3.2 Capacities	3
4 Overview - power transmission	4
5 Electrical components	6
5.1 Overview of fitting locations - electrical components	6
6 Repair instructions	7
6.1 General repair instructions	7
30 - Clutch	9
1 Clutch mechanism	9
1.1 Overview of fitting locations – clutch mechanism	9
1.2 Assembly overview - pedal cluster	11
1.3 Assembly overview - clutch hydraulics	13
1.4 Removing and installing bearing bush	15
1.5 Checking clutch master cylinder and clutch slave cylinder	16
1.6 Removing and installing clutch position sender G476	16
1.7 Removing and installing return spring	16
1.8 Removing and installing over-centre spring	19
1.9 Removing and installing clutch pedal	21
1.10 Removing and installing mounting bracket	23
1.11 Removing and installing clutch master cylinder	27
1.12 Removing and installing clutch slave cylinder	27
1.13 Removing and installing lines for clutch mechanism	30
1.14 Bleeding clutch mechanism	33
2 Clutch	35
34 - Controls, housing	36
1 Selector mechanism	36
1.1 Installation position - selector mechanism	36
1.2 Assembly overview – gear knob and cover	37
1.3 Assembly overview - selector mechanism	38
1.4 Removing and installing gear knob	39
1.5 Removing and installing selector mechanism	41
1.6 Adjusting selector mechanism	47
1.7 Checking selector mechanism	50
2 Removing and installing gearbox	51
2.1 Removing gearbox	51
2.2 Installing gearbox	59
2.3 Specified torques for gearbox	61
3 Assembly mountings	63
3.1 Assembly overview - assembly mountings	63
4 Transporting gearbox	65
5 Gear oil	66
5.1 Checking gear oil level	66
5.2 Draining and filling gear oil	66



5.3	Securing to engine and gearbox support	68
6	Dismantling and assembling gearbox	70
6.1	Assembly overview - selector unit	70
6.2	Removing and installing selector unit with gearbox installed	71
6.3	Repairing selector unit	73
6.4	Renewing selector shaft seal	75
7	Gearbox housing, clutch housing	77
35 - Gears, shafts		78
1	Input shaft	78
2	Output shaft	79
3	Reverse shaft	80
39 - Final drive - differential		81
1	Oil seals	81
1.1	Overview of fitting locations - seals	81
1.2	Renewing left seal	82
1.3	Renewing right oil seal	84
2	Differential	88