



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	8
6.1 General repair instructions	8
30 - Clutch	11
1 Clutch mechanism	11
1.1 Overview of fitting locations – clutch mechanism	11
1.2 Assembly overview - pedal cluster	12
1.3 Assembly overview - clutch hydraulics	14
1.4 Removing and installing bearing bush	16
1.5 Checking clutch master cylinder and clutch slave cylinder	17
1.6 Removing and installing clutch position sender G476	18
1.7 Removing and installing over-centre spring	20
1.8 Removing and installing clutch pedal	22
1.9 Removing and installing mounting bracket	25
1.10 Removing and installing master cylinder	28
1.11 Removing and installing clutch slave cylinder	29
1.12 Removing and installing lines for clutch mechanism	32
1.13 Bleeding clutch mechanism	34
2 Clutch	37
34 - Controls, housing	38
1 Selector mechanism	38
1.1 Installation position - selector mechanism	38
1.2 Assembly overview – gear knob and cover	39
1.3 Assembly overview - selector mechanism	40
1.4 Removing and installing gear knob	42
1.5 Removing and installing selector mechanism	44
1.6 Repairing selector mechanism	52
1.7 Adjusting selector mechanism	56
1.8 Checking selector mechanism	60
2 Removing and installing gearbox	61
2.1 Specified torques for gearbox	61
2.2 Removing gearbox	61
2.3 Installing gearbox	70
3 Assembly mountings	77
3.1 Assembly overview – assembly mountings	77
4 Gear oil	80
4.1 Checking gear oil level	80
5 Dismantling and assembling gearbox	82
5.1 Assembly overview - selector unit	82



5.2	Removing and installing selector unit with gearbox installed	83
5.3	Repairing selector unit	88
5.4	Renewing selector shaft seal	89
6	Gearbox housing, clutch housing	90
35 - Gears, shafts		91
1	Input shaft	91
2	Output shaft	92
39 - Final drive - differential		93
1	Oil seals	93
1.1	Overview of fitting locations - oil seals	93
1.2	Renewing left seal	93
1.3	Renewing right seal	96
2	Differential	101