



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 Repair instructions	3
3.1 General repair instructions	3
4 Technical data	6
4.1 Allocation gearbox - engine	6
4.2 Capacities	6
5 Overview - power transmission	7
6 Electrical components	9
6.1 Overview of fitting locations - electrical components	9
30 - Clutch	11
1 Clutch mechanism	11
1.1 Assembly overview - pedal cluster	11
1.2 Assembly overview - clutch hydraulics	13
1.3 Removing and installing bearing bush	14
1.4 Checking clutch master cylinder and clutch slave cylinder	16
1.5 Removing and installing clutch position sender G476	17
1.6 Removing and installing return spring	18
1.7 Removing and installing over-centre spring	21
1.8 Removing and installing clutch pedal	24
1.9 Removing and installing mounting bracket	26
1.10 Removing and installing clutch master cylinder	31
1.11 Removing and installing clutch slave cylinder	32
1.12 Removing and installing lines for clutch mechanism	34
1.13 Bleeding clutch mechanism	38
2 Clutch	41
34 - Controls, housing	42
1 Selector mechanism	42
1.1 Installation position - selector mechanism	42
1.2 Assembly overview – gear knob and cover	43
1.3 Assembly overview - selector mechanism	44
1.4 Removing and installing gear knob	47
1.5 Removing and installing selector mechanism	49
1.6 Adjusting selector mechanism	58
1.7 Checking selector mechanism	62
2 Removing and installing gearbox	63
2.1 Specified torques for gearbox	63
2.2 Removing gearbox	65
2.3 Installing gearbox	75
3 Assembly mountings	79
3.1 Assembly overview - assembly mountings	79
4 Dismantling and assembling gearbox	82
4.1 Assembly overview - selector unit	82
4.2 Removing and installing selector unit with gearbox installed	83
4.3 Repairing selector unit	90
4.4 Renewing selector shaft seal	91



5	Gearbox housing, clutch housing	93
6	Gear oil	94
6.1	Checking gear oil level	94
35	- Gears, shafts	96
1	Input shaft	96
2	Output shaft	97
39	- Final drive - differential	98
1	Oil seals	98
1.1	Overview of fitting locations - seals	98
1.2	Renewing left seal	98
1.3	Renewing right oil seal	101
2	Differential	105