



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 notes	3
3.1 General repair instructions	3
4 Technical data	5
4.1 Allocation gearbox - engine	5
4.2 Capacities	5
5 Overview - power transmission	6
6 Electrical components	7
6.1 Overview of fitting locations - electrical components	7
30 - Clutch	8
1 Clutch mechanism	8
1.1 Assembly overview - pedal cluster	8
1.2 Assembly overview - clutch hydraulics	10
1.3 Checking clutch master cylinder and clutch slave cylinder	12
1.4 Removing and installing bearing bush	13
1.5 Removing and installing clutch position sender G476	14
1.6 Removing and installing return spring	15
1.7 Removing and installing over-centre spring	19
1.8 Removing and installing clutch pedal	22
1.9 Removing and installing mounting bracket	24
1.10 Removing and installing clutch master cylinder	29
1.11 Removing and installing lines for clutch mechanism	30
1.12 Bleeding clutch mechanism	33
2 Clutch	36
34 - Controls, housing	37
1 Selector mechanism	37
1.1 Installation position - selector mechanism	37
1.2 Assembly overview – gear knob and cover	37
1.3 Assembly overview - selector mechanism	38
1.4 Removing and installing gear knob	41
1.5 Removing and installing selector mechanism	43
1.6 Adjusting selector mechanism	53
1.7 Checking selector mechanism	57
2 Removing and installing gearbox	58
2.1 Specified torques for gearbox	58
2.2 Removing gearbox	60
2.3 Installing gearbox	68
3 Transporting gearbox	71
4 Gear oil	72
4.1 Checking gear oil level	72
4.2 Draining and filling gear oil	72
35 - Gears, shafts	74
1 Input shaft	74
2 Output shaft	75



39 - Final drive - differential	76
1 Oil seals	76
1.1 Overview of fitting locations - oil seals	76
1.2 Renewing left seal	77
1.3 Renewing right seal	81