

Contents

00 - Technical data	1
1 Safety information	1
1.1 Safety precautions when working on vehicles with start/stop system	1
2 Identification	2
2.1 Gearbox identification	2
3 Technical data	4
3.1 Allocation of gearbox to engine	4
3.2 Capacities	4
3.3 Calculating gear ratios	4
4 Overview - power transmission	5
4.1 Overview - power transmission, front-wheel drive	5
5 Repair instructions	6
5.1 General repair instructions	6
5.2 Contact corrosion	9
6 Electrical components	11
6.1 Overview of fitting locations - electrical components	11
30 - Clutch	13
1 Clutch mechanism	13
1.1 Assembly overview - pedal cluster	13
1.2 Assembly overview - clutch hydraulics	15
1.3 Assembly overview - clutch release mechanism	19
1.4 Checking clutch master cylinder and clutch slave cylinder	19
1.5 Removing and installing bearing bush	20
1.6 Removing and installing clutch position sender G476	21
1.7 Removing and installing return spring	22
1.8 Removing and installing over-centre spring	25
1.9 Removing and installing clutch pedal	28
1.10 Removing and installing mounting bracket	29
1.11 Removing and installing clutch master cylinder	33
1.12 Removing and installing clutch slave cylinder	34
1.13 Removing and installing lines for clutch mechanism	35
1.14 Bleeding clutch mechanism	38
2 Clutch	41
2.1 Identifying different makes of clutch	41
2.2 Assembly overview - clutch	42
2.3 Removing and installing clutch	44
34 - Controls, housing	56
1 Selector mechanism	56
1.1 Overview - selector mechanism	56
1.2 Assembly overview - gear knob and cover	56
1.3 Assembly overview - selector mechanism	57
1.4 Assembly overview - selector cables	58
1.5 Removing and installing gear knob	65
1.6 Removing and installing selector mechanism	67
1.7 Adjusting selector mechanism	70
1.8 Checking selector mechanism	74
1.9 Renewing selector shaft oil seal	74
2 Removing and installing gearbox	77
2.1 Removing gearbox	77
2.2 Installing gearbox	89



2.3	Tightening torques for gearbox	93
3	Assembly mountings	95
3.1	Assembly overview - assembly mountings	95
4	Transporting gearbox	99
5	Gear oil	101
5.1	Checking gear oil level	101
5.2	Draining and filling gear oil	101
6	Dismantling and assembling gearbox	105
6.1	Assembly overview - selector unit	105
6.2	Removing and installing selector unit	105
6.3	Servicing selector unit	107
6.4	Dismantling and assembling gearbox	108
35 - Gears, shafts		109
1	Input shaft	109
2	Output shaft	110
39 - Final drive - differential		111
1	Oil seals	111
1.1	Overview of fitting locations - oil seals	111
1.2	Renewing left oil seal	111
1.3	Renewing right oil seal	113
2	Differential	117
2.1	Removing and installing left flange shaft	117
2.2	Removing and installing right flange shaft	121
2.3	Dismantling and assembling differential	122