

Contents

00 - Technical data	1
1 Identification	1
1.1 Gearbox identification	1
2 Technical data	2
2.1 Allocation of gearbox to engine	2
2.2 Capacities	7
3 Transmission layout	8
3.1 Transmission layout - front-wheel drive	8
4 Repair instructions	9
4.1 General repair instructions	9
5 Safety precautions	12
5.1 Safety precautions when working on vehicles with start/stop system	12
6 Electrical components	13
6.1 Overview of fitting locations - electrical components	13
30 - Clutch	14
1 Clutch mechanism	14
1.1 Exploded view - pedal cluster	14
1.2 Exploded view - clutch hydraulics	18
1.3 Exploded view - clutch release mechanism	19
1.4 Removing and installing over-centre spring	20
1.5 Removing and installing clutch pedal	22
1.6 Notes on removing and installing clutch master cylinder and slave cylinder	23
1.7 Checking clutch master cylinder and clutch slave cylinder	23
1.8 Removing and installing clutch master cylinder	24
1.9 Removing and installing clutch slave cylinder	28
1.10 Bleeding clutch hydraulics	30
2 Clutch	33
2.1 Exploded view - clutch module	33
2.2 Exploded view - clutch unit	34
2.3 Tightening sequence - clutch module to drive plate	34
34 - Controls, housing	37
1 Selector mechanism	37
1.1 Overview - selector mechanism	37
1.2 Exploded view - gear knob and cover	39
1.3 Exploded view - selector mechanism	40
1.4 Removing and installing gear knob	42
1.5 Removing and installing noise insulation	43
1.6 Removing and installing selector mechanism	44
1.7 Adjusting selector mechanism	53
1.8 Renewing selector shaft oil seal	55
1.9 Removing and installing gear detector switch F208	58
1.10 Removing and installing gear detection sensor G604	61
1.11 Removing and installing gearbox neutral position sender G701	65
2 Removing and installing gearbox	67
2.1 Removing gearbox	67
2.2 Installing gearbox	119
2.3 Tightening torques for gearbox	160
3 Transporting gearbox	165
4 Assembly mountings	166



4.1	Exploded view - assembly mountings	166
4.2	Removing and installing tunnel cross member	166
4.3	Removing and installing gearbox support with gearbox mounting	168
4.4	Removing and installing gearbox mounting	169
5	Gear oil	170
5.1	Checking gear oil level	170
6	Dismantling and assembling gearbox	171
35 - Gears, shafts		172
1	Dismantling and assembling gears and shafts	172
39 - Final drive - front differential		173
1	Oil seals	173
1.1	Overview of fitting locations - oil seals	173
1.2	Renewing oil seal (right-side)	174
2	Front differential	183