



Contents

00 - Technical data	1
1 Safety information	1
1.1 General safety provisions	1
1.2 Safety precautions when using test and measuring equipment during a road test	2
1.3 Safety precautions when tow-starting or towing	2
2 Identification	3
2.1 Gearbox identification	3
2.2 Identification of torque converter	3
3 Repair instructions	5
3.1 General information	5
3.2 Rules for cleanliness	5
3.3 General repair instructions	6
3.4 Gaskets and seals	7
3.5 Nuts and bolts	8
4 Technical data	9
4.1 Allocation gearbox - engine	9
4.2 Capacities	9
32 - Torque converter	10
1 Torque converter	10
1.1 Assembly overview - torque converter	10
1.2 Draining torque converter	11
1.3 Removing and installing torque converter oil seal	12
1.4 Removing and installing torque converter	13
1.5 Checking torque converter	14
37 - Controls, housing	15
1 ATF circuit	15
1.1 Assembly overview - ATF circuit	15
1.2 Removing and installing ATF cooler	15
2 ATF	18
2.1 Checking ATF level	18
2.2 Draining and filling ATF	22
3 Removing and installing gearbox	26
3.1 Removing gearbox	26
3.2 Installing gearbox	34
3.3 Specified torques for gearbox	36
4 Transporting gearbox	38
5 Securing to engine and gearbox support	40
6 Selector mechanism	42
6.1 Assembly overview - selector mechanism	42
6.2 Manual release from position P	43
6.3 Removing and installing selector mechanism	45
6.4 Checking selector mechanism	50
6.5 Checking and adjusting selector lever cable	52
6.6 Removing and installing multifunction switch	54
6.7 Adjusting multifunction switch	57
6.8 Renewing selector shaft seal	59
38 - Gears, control	61
1 ATF system	61
1.1 Removing and installing sump	61



1.2	Removing and installing ATF strainer	63
2	Valve body	65
2.1	Assembly overview – valve body	65
2.2	Removing and installing valve body	71
39	Final drive - differential	75
1	Seals	75
1.1	Renewing left seal	75
1.2	Renewing right seal	78
2	Gearbox control system	82
2.1	Removing and installing gearbox control unit	82