

Contents

00 - Technical data	1
1 Identification	1
1.1 Gearbox identification	1
2 Safety precautions	2
2.1 General safety precautions	2
2.2 Safety precautions when working on vehicles with start/stop system	2
2.3 Safety precautions when using testers and measuring instruments during a road test	2
2.4 Safety precautions when tow-starting and towing	3
3 Repair instructions	4
3.1 Impact wrenches	4
3.2 Rules for cleanliness	4
3.3 General notes	5
3.4 General repair instructions	6
3.5 Contact corrosion	7
4 Technical data	9
4.1 Oil distribution	9
5 Transmission layout	10
32 - Torque converter	11
1 Torque converter	11
1.1 Exploded view - torque converter	11
1.2 Removing and installing torque converter	12
1.3 Draining torque converter	19
1.4 Checking torque converter	20
1.5 Removing and installing torque converter oil seal	20
37 - Controls, housing	24
38 - Gears, control	25
1 ATF system	25
1.1 Removing and installing ATF strainer	25
2 Mechatronic unit	27
2.1 Exploded view - mechatronic unit	27
2.2 Removing and installing mechatronic unit	36
2.3 Removing and installing auxiliary hydraulic pump for gearbox oil	49
2.4 Removing and installing hydraulic pulse accumulator with accumulator solenoid N485	51
2.5 Removing and installing electrical wiring harness for auxiliary hydraulic pump for gearbox oil	53
39 - Final drive - front differential	56
1 Oil seals	56
1.1 Overview of fitting locations - oil seals (all except 0D7/0DY)	56
1.2 Renewing oil seals on protective tube (all except 0D7/0DY)	58
2 Centre differential	62
2.1 Exploded view - centre differential	62
2.2 Removing and installing centre differential	65
2.3 Removing and installing rear splined shaft	66
2.4 Renewing oil seal for rear splined shaft	69
2.5 Renewing ball bearing for rear splined shaft	75
2.6 Renewing ball bearing for centre differential	79
3 Transfer box	82
3.1 Exploded view - transfer box	82



3.2 Dismantling and assembling transfer box 83