



## Contents

<b>00 - Technical data</b> .....	<b>1</b>
<b>1 Safety information</b> .....	<b>1</b>
1.1 General safety provisions .....	1
1.2 Safety precautions when using testers and measuring instruments during a road test .....	2
1.3 Safety precautions when tow-starting or towing .....	2
<b>2 Identification</b> .....	<b>3</b>
2.1 Gearbox identification .....	3
2.2 Identification of torque converter .....	3
<b>3 Repair instructions</b> .....	<b>4</b>
3.1 General information .....	4
3.2 Rules for cleanliness .....	4
3.3 General repair instructions .....	5
3.4 Gaskets and seals .....	6
3.5 Nuts and bolts .....	6
<b>4 Technical data</b> .....	<b>7</b>
4.1 Allocation gearbox - engine .....	7
4.2 Capacities .....	7
<b>32 - Torque converter</b> .....	<b>8</b>
<b>1 Torque converter</b> .....	<b>8</b>
1.1 Assembly overview - torque converter .....	8
1.2 Draining torque converter .....	9
1.3 Removing and installing torque converter oil seal .....	9
1.4 Removing and installing torque converter .....	11
1.5 Checking torque converter .....	12
<b>37 - Controls, housing</b> .....	<b>13</b>
<b>1 ATF circuit</b> .....	<b>13</b>
1.1 Assembly overview - ATF circuit .....	13
1.2 Removing and installing ATF cooler .....	14
<b>2 ATF</b> .....	<b>18</b>
2.1 Checking ATF level .....	18
2.2 Draining and filling ATF .....	21
<b>3 Removing and installing gearbox</b> .....	<b>25</b>
3.1 Removing gearbox .....	25
3.2 Installing gearbox .....	36
3.3 Specified torques for gearbox .....	39
<b>4 Transporting gearbox</b> .....	<b>40</b>
<b>5 Securing to engine and gearbox support</b> .....	<b>41</b>
<b>6 Selector mechanism</b> .....	<b>43</b>
6.1 Assembly overview - selector mechanism .....	43
6.2 Emergency release from position P .....	45
6.3 Removing and installing selector lever handle .....	47
6.4 Moving push-button in the handle to installation position .....	51
6.5 Removing and installing selector mechanism .....	54
6.6 Removing and installing gear selector cable .....	59
6.7 Checking selector mechanism .....	61
6.8 Checking and adjusting selector lever cable .....	62
6.9 Removing and installing multifunction switch .....	64
6.10 Adjusting multifunction switch .....	67
6.11 Renewing selector shaft seal .....	68



<b>38 - Gears, control</b> .....	<b>70</b>
<b>1 ATF system</b> .....	<b>70</b>
1.1 Removing and installing sump .....	70
1.2 Removing and installing ATF strainer .....	71
<b>2 Valve body</b> .....	<b>73</b>
2.1 Assembly overview - valve body .....	73
2.2 Removing and installing valve body .....	78
<b>39 - Final drive - differential</b> .....	<b>81</b>
<b>1 Oil seals</b> .....	<b>81</b>
1.1 Renewing left seal .....	81
1.2 Renewing right oil seal .....	83
<b>2 Gearbox control system</b> .....	<b>86</b>
2.1 Removing and installing gearbox control unit .....	86