

## Contents

<b>00 - Technical data</b> .....	<b>1</b>
<b>1 Gearbox identification</b> .....	<b>1</b>
1.1 Gearbox identification .....	1
<b>2 Code letters, mechanical unit allocation, transmission ratios, equipment</b> .....	<b>2</b>
2.1 Code letters, mechanical unit allocation, transmission ratios, equipment .....	2
<b>3 Capacities</b> .....	<b>4</b>
3.1 Capacities .....	4
<b>4 Repair instructions</b> .....	<b>5</b>
4.1 Repair instructions .....	5
<b>32 - Torque converter</b> .....	<b>7</b>
<b>1 Torque converter</b> .....	<b>7</b>
1.1 Torque converter .....	7
1.2 Torque converter identification .....	7
1.3 Checking torque converter .....	8
1.4 Draining torque converter .....	8
1.5 Replacing torque converter oil seal .....	9
1.6 Installing torque converter .....	10
<b>37 - Controls, Housing</b> .....	<b>12</b>
<b>1 Servicing shift mechanism</b> .....	<b>12</b>
1.1 Servicing shift mechanism .....	12
1.2 Checking ignition key removal lock .....	12
1.3 Checking shift mechanism .....	12
1.4 Dismantling and assembling shift mechanism .....	13
1.5 Adjusting selector lever cable .....	22
1.6 Removing, installing and adjusting locking cable .....	25
<b>2 Checking gearbox</b> .....	<b>27</b>
2.1 Checking gearbox .....	27
2.2 Checking shift points .....	27
2.3 Checking stall speed .....	27
2.4 Checking main pressure .....	27
2.5 Fault finding table for "4-speed automatic gearbox" .....	27
<b>3 Removing and installing gearbox</b> .....	<b>28</b>
3.1 Removing and installing gearbox .....	28
3.2 Mounting gearbox on repair stand .....	39
3.3 Removing and installing left gearbox support .....	40
<b>4 Checking or changing ATF</b> .....	<b>42</b>
4.1 Checking or changing ATF .....	42
4.2 Checking ATF level .....	43
4.3 Changing ATF or topping up after repairs .....	48
<b>5 Gearbox with selector elements</b> .....	<b>50</b>
5.1 Gearbox with selector elements .....	50
5.2 Gearbox schematic diagram .....	50
5.3 Position of selector elements .....	52
<b>6 Dismantling and assembling gearbox</b> .....	<b>53</b>
6.1 Dismantling and assembling gearbox .....	53
6.2 Rules for cleanliness when working on the automatic gearbox .....	53
6.3 Removing and installing ATF pipes .....	53
6.4 Removing and installing ATF pipes, 5-cyl. engine .....	54
6.5 Removing and installing ATF pipes, 6-cyl. engine .....	57
6.6 Cleaning ATF pipes and ATF cooler .....	59



6.7	Removing and installing multi-function switch -F125 . . . . .	60
6.8	Adjusting multi-function switch -F125 . . . . .	61
<b>38</b>	<b>- Gears, Hydraulic controls . . . . .</b>	<b>65</b>
<b>1</b>	<b>Removing and installing oil pan, ATF screen and valve body . . . . .</b>	<b>65</b>
1.1	Removing and installing oil pan, ATF screen and valve body . . . . .	65
1.2	Removing and installing oil pan . . . . .	65
1.3	Removing and installing ATF screen . . . . .	66
1.4	Removing and installing valve body . . . . .	67
1.5	Removing and installing wiring harness in gearbox . . . . .	69
1.6	Replacing inner oil pipe . . . . .	70
<b>2</b>	<b>Removing and installing ATF pump . . . . .</b>	<b>72</b>
2.1	Removing and installing ATF pump . . . . .	72
<b>39</b>	<b>- Final drive, Differential . . . . .</b>	<b>88</b>
<b>1</b>	<b>Removing and installing speedometer sender -G22 and drive gear for speedometer sender . . . . .</b>	<b>88</b>
1.1	Removing and installing speedometer sender -G22 and drive gear for speedometer sender . . . . .	88
<b>2</b>	<b>Axle oil in front final drive . . . . .</b>	<b>89</b>
2.1	Axle oil in front final drive . . . . .	89
2.2	Checking oil level in front final drive . . . . .	89
2.3	Changing gear oil in front final drive/topping up after repair work . . . . .	90
<b>3</b>	<b>Servicing front final drive . . . . .</b>	<b>90</b>
3.1	Servicing front final drive . . . . .	90
3.2	Replacing flange shaft oil seals . . . . .	100
3.3	Replacing oil seal for right flange shaft . . . . .	102
3.4	Replacing right oil seal for drive shaft . . . . .	104
3.5	Replacing left oil seal for drive shaft and oil seal for left flange shaft . . . . .	108
3.6	Removing and installing intermediate bushing for differential pinion shaft . . . . .	113
<b>4</b>	<b>Servicing intermediate drive . . . . .</b>	<b>117</b>
4.1	Servicing intermediate drive . . . . .	117
4.2	Removing and installing intermediate drive . . . . .	117
4.3	Dismantling intermediate drive . . . . .	119
4.4	Replacing ATF breather . . . . .	121