



## Contents

<b>00 - Technical data</b> .....	<b>1</b>
<b>1 Gearbox identification</b> .....	<b>1</b>
1.1 Gearbox identification .....	1
1.2 Code letters, gearbox allocation, ratios, capacities .....	2
<b>2 Transmission layout</b> .....	<b>4</b>
2.1 Transmission layout .....	4
<b>3 Calculating overall ratio "i"</b> .....	<b>6</b>
3.1 Calculating overall ratio "i" .....	6
<b>4 General repair instructions</b> .....	<b>6</b>
4.1 General repair instructions .....	6
<b>30 - Clutch</b> .....	<b>8</b>
<b>1 Servicing clutch control</b> .....	<b>8</b>
1.1 Servicing clutch control .....	8
1.2 Assembly overview - pedal cluster .....	9
1.3 Removing and installing over-centre spring .....	13
1.4 Removing and installing clutch pedal .....	14
1.5 Assembly overview - Hydraulic system .....	16
1.6 Removing and installing master cylinder .....	19
1.7 Bleeding clutch system .....	22
<b>2 Servicing clutch release mechanism</b> .....	<b>22</b>
2.1 Servicing clutch release mechanism .....	22
<b>3 Servicing clutch</b> .....	<b>25</b>
3.1 Servicing clutch .....	25
<b>34 - Controls, Housing</b> .....	<b>30</b>
<b>1 Servicing gear selector mechanism</b> .....	<b>30</b>
1.1 Servicing gear selector mechanism .....	30
1.2 Installation position of gear selector mechanism .....	30
1.3 Assembly overview - removing and installing selector cables .....	32
1.4 Removing and installing gear selector mechanism .....	37
1.5 Servicing gear stick housing .....	39
1.6 Servicing gear stick .....	42
1.7 Adjusting selector mechanism .....	46
<b>2 Removing and installing gearbox</b> .....	<b>50</b>
2.1 Removing and installing gearbox .....	50
<b>3 Checking gear oil</b> .....	<b>64</b>
3.1 Checking gear oil .....	64
<b>4 Dismantling and assembling gearbox</b> .....	<b>66</b>
4.1 Dismantling and assembling gearbox .....	66
4.2 Overview .....	66
4.3 Assembly overview .....	68
4.4 Removing and installing cover for gearbox housing and 5th gear .....	69
4.5 Removing and installing gearbox housing and selector mechanism .....	72
4.6 Removing and installing input shaft, output shaft (pinion shaft), differential and selector forks .....	74
4.7 Assembly sequence .....	77
<b>5 Servicing gearbox housing and clutch housing</b> .....	<b>95</b>
5.1 Servicing gearbox housing and clutch housing .....	95
<b>6 Dismantling and assembling gearbox selector mechanism</b> .....	<b>105</b>
6.1 Dismantling and assembling gearbox selector mechanism .....	105
<b>7 Dismantling and assembling selector forks</b> .....	<b>110</b>



7.1	Dismantling and assembling selector forks . . . . .	110
<b>35 - Gears, Shafts . . . . .</b>		<b>117</b>
<b>1</b>	<b>Dismantling and assembling input shaft . . . . .</b>	<b>117</b>
1.1	Dismantling and assembling input shaft . . . . .	117
<b>2</b>	<b>Adjusting input shaft . . . . .</b>	<b>130</b>
2.1	Adjusting input shaft . . . . .	130
2.2	Table of adjustment shims . . . . .	132
2.3	Performing measurement check . . . . .	134
<b>3</b>	<b>Dismantling and assembling output shaft . . . . .</b>	<b>135</b>
3.1	Dismantling and assembling output shaft . . . . .	135
3.2	From gearbox build date 04 09 0 the synchronisation for 1st gear has been modified . . . . .	161
<b>4</b>	<b>Adjusting output shaft . . . . .</b>	<b>165</b>
4.1	Adjusting output shaft . . . . .	165
<b>5</b>	<b>Dismantling and assembling reverse shaft . . . . .</b>	<b>168</b>
5.1	Dismantling and assembling reverse shaft . . . . .	168
<b>39 - Final drive, Differential . . . . .</b>		<b>173</b>
<b>1</b>	<b>Renewing flanged shaft oil seals (gearbox installed) . . . . .</b>	<b>173</b>
1.1	Renewing flanged shaft oil seals (gearbox installed) . . . . .	173
<b>2</b>	<b>Dismantling and assembling differential . . . . .</b>	<b>176</b>
2.1	Dismantling and assembling differential . . . . .	176
<b>3</b>	<b>Adjustment overview . . . . .</b>	<b>189</b>
3.1	Adjustment overview . . . . .	189
<b>4</b>	<b>Adjusting differential . . . . .</b>	<b>190</b>
4.1	Adjusting differential . . . . .	190