



## Contents

<b>00 - Technical data</b>	<b>1</b>
<b>1 Identification</b>	<b>1</b>
1.1 Identification on the gearbox	1
1.2 Prefix, Assignment, gear ratio, filling volume	2
<b>2 Transmission assembly scheme</b>	<b>9</b>
2.1 Nomenclature	9
2.2 Gear ratios	10
<b>3 Gearbox ratio "i"</b>	<b>11</b>
3.1 Gearbox ratio "i" - calculation	11
<b>4 General repair instructions</b>	<b>12</b>
4.1 Gearbox	12
4.2 Gaskets and retainers	12
4.3 Screws, nuts	13
4.4 Roller bearings	13
4.5 Adjustment shims	14
4.6 Synchronizer rings	14
<b>30 - Clutch</b>	<b>15</b>
<b>1 Command system</b>	<b>15</b>
1.1 Control mechanism - (version 1)	15
1.2 Control mechanism - (version 2)	28
<b>2 Clutch drive mechanism</b>	<b>39</b>
2.1 Clutch drive mechanism - assembly overview	39
2.2 Clutch slave cylinder - remove and install	40
2.3 Clutch drive mechanism - bleed	41
<b>3 Clutch</b>	<b>43</b>
3.1 Clutch - assembly overview	43
3.2 Clutch - repair	45
<b>34 - Controls, housing</b>	<b>47</b>
<b>1 Shift mechanism</b>	<b>47</b>
1.1 Shift mechanism - installation position	47
1.2 Selector mechanism - component overview	49
1.3 Drive cables	51
1.4 Handle and boot on the gear lever - assembly overview	59
1.5 Handle and boot on the gear lever - remove and install	60
1.6 Handle and boot on the gear lever - disassemble and assemble	61
1.7 Gear shift lever and shifting mechanism - remove and install	62
1.8 Gearshift lever and mechanism - repair	66
1.9 Lever and Gear shifting mechanism - adjusting	68
1.10 Selector and lever - functional check	70
<b>2 Transmission - remove and install</b>	<b>72</b>
2.1 Gearbox for vehicles with engines (AQZ, ASY, BAH, BJA, BJE, BKR, BLH, BMD, BNM, BNX, BPA, CCNA, CCRA, CFZA, CHFA, CHFB, CPBA) - remove and install	72
2.2 Gearbox for vehicles with engines (CSEA) - remove and install	90
2.3 Gearbox - transport	102
<b>3 Gearbox oil level</b>	<b>104</b>
3.1 Oil level - check	104
3.2 Oil level - replenish	105
<b>4 Transmission - repair</b>	<b>107</b>
4.1 Gearbox - overview	107
4.2 gearbox - assembly overview	108



4.3	Gearbox housing cover and 5th gear	108
4.4	Clutch housing	110
4.5	Input shaft, planet pinion, differential, selection mechanism and selector forks	111
4.6	Input shaft, planet pinion, differential, selection mechanism and selector forks - disassemble and assemble	113
<b>5</b>	<b>Gearbox and clutch housings</b>	<b>121</b>
5.1	Transmission and clutch housings - repair	121
<b>6</b>	<b>Gear selection mechanism - adjust</b>	<b>127</b>
6.1	Gear selection mechanism - disassemble and assemble	127
<b>7</b>	<b>Selector forks</b>	<b>131</b>
7.1	Selector forks - disassemble and assemble	131
<b>35</b>	<b>- Gears, shafts</b>	<b>136</b>
<b>1</b>	<b>Input shaft</b>	<b>136</b>
1.1	Primary shaft - general overview of assembly	136
1.2	Input shaft - disassemble and assemble	139
<b>2</b>	<b>Planet pinion</b>	<b>148</b>
2.1	Pinion shaft - general overview of assembly	148
2.2	Planet pinion - disassemble and assemble	151
<b>39</b>	<b>- Final drive - differential</b>	<b>157</b>
<b>1</b>	<b>Drive flange</b>	<b>157</b>
1.1	Left drive flange retainer (left side) - replace	157
1.2	Drive flange retainer (right side) - replace	160
<b>2</b>	<b>Differential</b>	<b>164</b>
2.1	Differential - general overview of assembly	164
2.2	Differential - disassemble and assemble	167
2.3	Differential - adjust	173