

## Contents

<b>00 - Technical data</b>	<b>1</b>
<b>1 Identification</b>	<b>1</b>
1.1 Gearbox identification	1
1.2 Identification of all-wheel drive coupling 0CJ or 0CX	4
<b>2 Repair instructions</b>	<b>6</b>
2.1 Use of impact wrenches	6
2.2 General repair instructions	6
<b>3 Technical data</b>	<b>17</b>
3.1 Allocation of gearbox to engine	17
3.2 Capacities	17
<b>4 Overview - power transmission</b>	<b>19</b>
4.1 Overview - power transmission, front-wheel drive	19
4.2 Overview - power transmission, all-wheel drive	20
<b>30 - Clutch</b>	<b>22</b>
<b>1 Clutch mechanism</b>	<b>22</b>
1.1 Assembly overview - clutch release mechanism	22
1.2 Removing and installing clutch slave cylinder together with release bearing	24
<b>2 Clutch</b>	<b>27</b>
2.1 General notes on clutch	27
2.2 Assembly overview - clutch	32
2.3 Removing and installing clutch module	41
2.4 Removing and installing clutch	47
2.5 Resetting adjuster ring in SAC pressure plate	58
2.6 Renewing needle bearing for dual-mass flywheel	60
<b>34 - Controls, housing</b>	<b>66</b>
<b>1 Transporting gearbox</b>	<b>66</b>
<b>2 Dismantling and assembling gearbox</b>	<b>67</b>
2.1 Schematic overview - gearbox	67
2.2 Exploded view - gearbox	68
2.3 Assembly overview - gear cluster, reverse gear wheel, selector mechanism	74
2.4 Assembly overview - selector forks	76
2.5 Dismantling and assembling gearbox	78
2.6 Removing and installing selector shaft	118
<b>3 Gearbox housing, clutch housing</b>	<b>121</b>
3.1 Assembly overview - gearbox housing	121
3.2 Assembly overview - gearbox housing cover	124
3.3 Servicing gearbox housing	126
3.4 Servicing gearbox housing cover	137
<b>4 Securing to engine and gearbox support</b>	<b>153</b>
<b>5 Gear oil circuit</b>	<b>155</b>
5.1 Assembly overview - gear oil circuit	155
5.2 Assembly overview - gear oil pump	155
5.3 Removing and installing gear oil pump	157
<b>35 - Gears, shafts</b>	<b>159</b>
<b>1 Dismantling and assembling gears and shafts</b>	<b>159</b>
1.1 Assembly overview - gear cluster	159
1.2 Dismantling and assembling gear cluster	162
<b>2 Input shaft</b>	<b>174</b>



2.1	Assembly overview - input shaft	174
2.2	Dismantling and assembling input shaft	178
2.3	Allocation of 3rd - 6th gear synchro-rings to locking collars	188
2.4	Checking 3rd - 6th gear synchro-rings for wear	190
<b>3</b>	<b>Output shaft</b>	<b>193</b>
3.1	Assembly overview - output shaft	193
3.2	Dismantling and assembling output shaft	199
<b>39</b>	<b>Final drive - differential</b>	<b>204</b>
<b>1</b>	<b>Oil seals</b>	<b>204</b>
1.1	Overview of fitting locations - oil seals	204
1.2	Renewing left oil seal	208
1.3	Renewing right oil seal	213
1.4	Renewing input shaft oil seal	214
1.5	Renewing sealing cap for output shaft in gearbox housing	217
1.6	Renewing output shaft oil seal	218
<b>2</b>	<b>Final drive</b>	<b>221</b>
2.1	Assembly overview - final drive	221
2.2	Assembly overview - pinion shaft	223
2.3	Removing and installing pinion shaft	223
2.4	Dismantling and assembling pinion shaft	226
2.5	Table of adjustments - final drive	231
2.6	Adjusting pinion shaft	234
2.7	Adjusting final drive	242
2.8	Renewing cover for final drive	260
<b>3</b>	<b>Differential</b>	<b>268</b>
3.1	Assembly overview - differential	268
3.2	Removing and installing differential	269
3.3	Dismantling and assembling differential	273
3.4	Removing and installing left flange shaft	280
3.5	Removing and installing right flange shaft	285
3.6	Renewing mounting bracket and ball bearing for left flange shaft	287
<b>4</b>	<b>All-wheel drive coupling</b>	<b>290</b>
4.1	Assembly overview - all-wheel drive coupling	290
4.2	Removing and installing all-wheel drive coupling	292