



## Contents

<b>00 - Technical data</b>	<b>1</b>
<b>1 Identification</b>	<b>1</b>
1.1 Gearbox identification	1
<b>2 Repair instructions</b>	<b>2</b>
2.1 General repair instructions for gearboxes	2
2.2 Gaskets and seals	2
2.3 Locking devices	3
2.4 Nuts and bolts	3
2.5 Mountings	3
2.6 Shims	3
2.7 Synchro-rings	3
2.8 Gear wheels	3
<b>3 Technical data</b>	<b>4</b>
3.1 Allocation of gearbox to engine, gear ratios	4
<b>30 - Clutch</b>	<b>5</b>
<b>1 Clutch operation</b>	<b>5</b>
1.1 Removing and installing clutch slave cylinder together with release bearing	5
1.2 Removing and installing clutch travel sender G162 for slave cylinder with release bearing	6
<b>2 Clutch</b>	<b>8</b>
2.1 Assembly overview - clutch	8
2.2 Removing and installing clutch	8
2.3 Resetting adjusting ring of self-adjusting pressure plate	10
<b>34 - Controls, housing</b>	<b>13</b>
<b>1 Selector mechanism</b>	<b>13</b>
1.1 Overview - selector mechanism	13
1.2 Removing and installing selector lever E313	14
1.3 Removing and installing gearbox hydraulic pressure sender G270	16
1.4 Removing and installing pressure accumulator	16
1.5 Disposing of pressure accumulator	18
1.6 Removing and installing gearbox speed sender G38	18
1.7 Removing and installing gear detection sensor G604	19
1.8 Removing and installing electronic manual gearbox control unit J514	23
1.9 Table - adapting components	23
1.10 Removing and installing pan for hydraulic fluid	24
1.11 Removing and installing hydraulic control unit	26
1.12 Removing and installing gearbox hydraulic pressure sender V387	34
1.13 Checking hydraulic fluid level	35
1.14 Draining and filling hydraulic fluid	38
<b>2 Removing and installing gearbox</b>	<b>43</b>
2.1 Specified torques for gearbox	43
2.2 Removing gearbox	43
2.3 Installing gearbox	47
<b>3 Assembly mountings</b>	<b>49</b>
3.1 Removing and installing gearbox mounting	49
<b>4 Gearbox housing, clutch housing</b>	<b>51</b>
4.1 Renewing sealing cover in gearbox housing	51
4.2 Removing and installing gearbox breather	52
<b>5 Gear oil</b>	<b>53</b>
5.1 Checking gear oil level	53



5.2	Draining and filling gear oil .....	53
<b>35 - Gears, shafts</b> .....		<b>55</b>
<b>1</b>	<b>Input shaft</b> .....	<b>55</b>
1.1	Renewing input shaft seal .....	55
<b>2</b>	<b>Output shaft</b> .....	<b>57</b>
2.1	Renewing output shaft seal .....	57