



## Contents

<b>00 - Technical data</b>	<b>1</b>
<b>1 Safety information</b>	<b>1</b>
1.1 Safety measures when working on vehicles with a start/stop system	1
<b>2 Identification</b>	<b>2</b>
2.1 Gearbox identification	2
<b>3 Repair instructions</b>	<b>3</b>
3.1 General repair instructions	3
<b>4 Technical data</b>	<b>6</b>
4.1 Allocation gearbox - engine	6
4.2 Capacities	6
<b>5 Overview - power transmission</b>	<b>7</b>
<b>6 Electrical components</b>	<b>9</b>
6.1 Overview of fitting locations - electrical components	9
<b>30 - Clutch</b>	<b>11</b>
<b>1 Clutch mechanism</b>	<b>11</b>
1.1 Overview of fitting locations – clutch mechanism	11
1.2 Assembly overview - pedal cluster	12
1.3 Assembly overview - clutch hydraulics	14
1.4 Removing and installing bearing bush	16
1.5 Checking clutch master cylinder and clutch slave cylinder	17
1.6 Removing and installing clutch position sender G476	17
1.7 Removing and installing over-centre spring	19
1.8 Removing and installing clutch pedal	21
1.9 Removing and installing mounting bracket	24
1.10 Removing and installing master cylinder	27
1.11 Removing and installing clutch slave cylinder	28
1.12 Removing and installing lines for clutch mechanism	31
1.13 Bleeding clutch mechanism	34
<b>2 Clutch</b>	<b>36</b>
<b>34 - Controls, housing</b>	<b>37</b>
<b>1 Selector mechanism</b>	<b>37</b>
1.1 Installation position - selector mechanism	37
1.2 Assembly overview – gear knob and cover	38
1.3 Assembly overview - selector mechanism	39
1.4 Removing and installing gear knob	41
1.5 Removing and installing selector mechanism	43
1.6 Repairing selector mechanism	51
1.7 Adjusting selector mechanism	55
1.8 Checking selector mechanism	59
<b>2 Removing and installing gearbox</b>	<b>60</b>
2.1 Removing gearbox	60
2.2 Installing gearbox	70
2.3 Specified torques for gearbox	73
<b>3 Assembly mountings</b>	<b>74</b>
<b>4 Gear oil</b>	<b>75</b>
4.1 Checking gear oil level	75
<b>5 Dismantling and assembling gearbox</b>	<b>77</b>
5.1 Assembly overview - selector unit	77
5.2 Removing and installing selector unit with gearbox installed	78



5.3	Repairing selector unit .....	83
5.4	Renewing selector shaft seal .....	84
<b>6</b>	<b>Gearbox housing, clutch housing .....</b>	<b>86</b>
<b>35 - Gears, shafts .....</b>		<b>87</b>
1	Input shaft .....	87
2	Output shaft .....	88
<b>39 - Final drive - differential .....</b>		<b>89</b>
1	Oil seals .....	89
1.1	Overview of fitting locations - oil seals .....	89
1.2	Renewing left seal .....	89
1.3	Renewing right seal .....	92
2	Differential .....	95