



Contents

00 - Technical data	1
1 Identification	1
1.1 Gearbox identification	1
2 Overview - power transmission	2
3 Technical data	3
3.1 Allocation gearbox - engine	3
3.2 Capacities	3
4 Safety information	5
4.1 General safety provisions	5
4.2 Safety measures when working on vehicles with a start/stop system	5
5 Repair notes	6
5.1 General repair instructions	6
5.2 Gaskets and seals	9
5.3 Nuts and bolts	9
30 - Clutch	10
1 Clutch	10
1.1 Assembly overview - dual clutch	10
1.2 Removing and installing the dual clutch	13
1.3 Renewing input shaft seal	23
2 Clutch operation	27
2.1 Assembly overview - clutch engagement	27
2.2 Removing and installing clutch engagement	29
2.3 Adjusting clutch engagement	36
34 - Controls, housing	59
1 Mechatronic unit	59
1.1 Overview - mechatronic unit	59
1.2 Removing and installing mechatronic unit	62
1.3 Renewing clutch actuator	82
1.4 Renewing control unit for mechatronic unit for dual clutch gearbox J743	88
2 Selector mechanism	93
2.1 Assembly overview - selector mechanism	93
2.2 Emergency release from position P	94
2.3 Removing and installing selector lever handle	94
2.4 Removing and installing selector mechanism	98
2.5 Checking selector mechanism	101
2.6 Checking and adjusting selector lever cable	102
3 Removing and installing gearbox	105
3.1 Distinguishing between different types of 1.4 l petrol engines, Golf Cabriolet, CC	105
3.2 Removing gearbox	106
3.3 Install gearbox	154
3.4 Specified torques for gearbox	157
4 Transporting gearbox	160
5 Installing to engine and gearbox support	161
6 Dismantling and assembling gearbox	162
6.1 Schematic overview - gearbox	162
6.2 Dismantling and assembling gearbox	163
7 Gearbox housing, clutch housing	181
7.1 Repairing gearbox housing	181
7.2 Repairing clutch housing	184



8	Gear oil	188
8.1	Draining and filling gear oil	188
8.2	Draining and filling hydraulic fluid for mechatronic unit	191
35	- Gears, shafts	194
1	Input shaft	194
1.1	Dismantling and assembling input shaft	194
2	Output shaft	198
2.1	Assembly overview - output shaft	198
2.2	Dismantling and assembling output shaft 1	202
2.3	Dismantling and assembling output shaft 2	211
2.4	Dismantling and assembling output shaft 3	217
2.5	Determining shims	221
3	Parking lock	255
3.1	Removing and installing cover for parking lock	255
3.2	Removing and installing parking lock	256
39	- Final drive - differential	258
1	Final drive seals	258
1.1	Overview of fitting locations - seals	258
1.2	Renewing seal for right flange shaft	258
1.3	Renewing oil seal for left flange shaft	261