



Contents

00 - Technical data	1
1 General repair notes	1
1.1 Tools	2
1.2 Gearbox	2
1.3 Overview	2
1.4 O-rings, seals and gaskets	3
1.5 Dual clutch gearbox oil	4
1.6 Nuts and bolts	5
1.7 Electrical components	6
2 Fault finding	7
2.1 General notes on fault finding	7
2.2 Useful information about the "behaviour of the control unit in the event of a gearbox fault"	7
2.3 Special notes on fault finding	8
3 Gearbox identification	10
3.1 Reading gearbox code letters	10
4 Code - engine allocation	13
4.1 Identification code	13
5 Capacity	14
30 - Clutch	15
1 Assembly overview - dual clutch	15
2 Removing and installing dual clutch	18
2.1 Removing clutch end cover	18
2.2 Installing clutch end cover	20
2.3 Removing dual clutch	24
2.4 Installing and adjusting the dual clutch	26
34 - Controls, housing	33
1 Electrical and electronic components for the dual clutch gearbox and their locations	33
1.1 Removing and installing mechatronic unit for dual clutch gearbox J743 (gearbox installed)	33
1.2 Removing and installing mechatronic unit for dual clutch gearbox J743 (gearbox removed)	46
1.3 Removing and installing gearbox input speed sender G182 and oil temperature sender in multi-plate clutch G509	55
2 Removing and installing gear oil cooler	57
2.1 Removing gear oil cooler	57
2.2 Installing gear oil cooler	59
3 Removing and installing oil pump	60
3.1 Removing oil pump	60
3.2 Installing oil pump	62
4 Renew seal on selector shaft lever	64
5 Selector mechanism	66
5.1 Overview - selector mechanism in vehicles up to 02.2009	66
5.2 Removing and installing selector lever cable - vehicles up to 02.2009	67
5.3 Overview of selector mechanism - vehicles from 03.2009 onwards	75
5.4 Removing and installing selector mechanism - vehicles as of 03.2009	76
5.5 Checking selector lever cable	82
5.6 Adjusting selector lever cable	82
5.7 Emergency release of selector lever	84
5.8 Removing and installing selector lever knob	84



5.9	Moving button to installation position in knob	87
5.10	Checking selector mechanism	88
6	Removing and installing gearbox, Jetta 2005 ►, Golf Variant 2007 ► and Golf Variant 2010 ►	90
6.1	Removing gearbox	90
6.2	Installing gearbox	101
6.3	Specified torques	104
7	Removing and installing gearbox, Jetta 2011 ►	107
7.1	Removing gearbox, Jetta 2011 with 2.0 l - 103 kW diesel engine	107
7.2	Installing gearbox, Jetta 2011 with 2.0 l - 103 kW diesel engine	119
7.3	Removing gearbox, Jetta 2011 with 2.0 l - 147 kW petrol engine	121
7.4	Installing gearbox, Jetta 2011 with 2.0 l - 147 kW petrol engine	134
7.5	Specified torques	136
8	Transporting gearbox and securing to assembly stand	138
9	Oil and oil filter	139
9.1	Renewing oil filter	139
9.2	Checking oil level and topping up	140
9.3	Draining and filling oil	143
35 - Gears, shafts		147
1	Currently, no repairs can be made to gears and shafts	147
39 - Final drive - differential		148
1	Renewing seals for flange shaft or stub shaft	148
1.1	Overview of fitting locations- seals	148
1.2	Renewing oil seal for left flange shaft	149
1.3	Renewing seals for right flange shaft or stub shaft	151