



Contents

00 - Technical data	1
1 Identification of gearbox	1
1.1 Location on gearbox	1
1.2 Code letters, assembly allocation and capacities - Golf 2004 ▶	1
1.3 Identification codes, assembly allocation, capacities, Golf Plus 2005 ▶	2
2 Overview - power transmission	4
3 Calculating overall gear ratio "i"	6
4 General repair instructions	7
4.1 Components	7
30 - Clutch	10
1 Repairing clutch mechanism	10
1.1 Overview	10
1.2 Assembly overview - pedal cluster	11
1.3 Removing and installing over-centre spring, Golf	12
1.4 Removing and installing over-centre spring, Golf Plus	17
1.5 Removing and installing clutch pedal, Golf	21
1.6 Removing and installing clutch pedal, Golf Plus	26
1.7 Removing and installing mounting bracket, Golf	31
1.8 Removing and installing mounting bracket, Golf Plus	36
1.9 Removing and installing master cylinder	41
1.10 Removing and installing clutch position sender G476	43
1.11 Assembly overview - hydraulics (LHD vehicles)	45
1.12 Assembly overview - hydraulics (RHD vehicles)	48
1.13 Removing and installing slave cylinder	49
1.14 Bleeding clutch system	51
2 Repairing clutch release mechanism	53
3 Repairing clutch	55
34 - Controls, housing	58
1 Repairing selector mechanism	58
1.1 Installation position of selector mechanism	58
1.2 Removing and installing gear knob and cover	60
1.3 Removing and installing gaiter with gear knob and noise insulation, Golf	60
1.4 Removing and installing gaiter with gear knob and noise insulation, Golf Plus	62
1.5 Repairing gear lever and selector housing (to 10.06)	63
1.6 Repairing gear lever and selector housing (from 11.06)	66
1.7 Assembly overview - removing and installing selector cables	71
1.8 Plastic relay lever	75
1.9 Removing and installing selector mechanism	77
1.10 Adjusting selector mechanism	81
2 Removing and installing gearbox, Golf	84
2.1 Removing gearbox	85
2.2 Install gearbox	89
3 Removing and installing gearbox, Golf Plus	96
3.1 Removing gearbox	98
3.2 Install gearbox	102
4 Transporting gearbox	109
5 Checking gear oil	110
6 Dismantling and assembling gearbox	112
6.1 Overview - gearbox	112



6.2	Assembly overview	113
6.3	Assembly overview - removing and installing cover for gearbox housing and 5th and 6th gear	114
6.4	Assembly overview - removing and installing clutch housing	116
6.5	Assembly overview - removing and installing input shaft, output shaft (drive pinion), differential, selector mechanism and selector forks	117
6.6	Dismantling and assembling procedure	118
7	Repairing gearbox housing and clutch housing	133
8	Repairing gearbox housing cover	138
9	Repairing selector unit	141
10	Dismantling and assembling selector forks	144
35	Gears, shafts	149
1	Input shaft	149
1.1	Dismantling and assembling input shaft	149
2	Output shaft	159
2.1	Dismantling and assembling output shaft	159
39	Final drive - differential	167
1	Renewing flange shaft oil seals with gearbox installed	167
1.1	Renewing oil seal for left flange shaft	167
1.2	Renewing seal for right flange shaft	169
2	Differential	171
2.1	Dismantling and assembling differential	171
2.2	Adjusting differential	179