

Contents

00 - Technical data	1
1 Gearbox identification	1
2 Notes on continuously variable automatic gearbox "multitronic 0AN, front-wheel drive"	2
3 Code, gearbox allocation, transmission ratios, equipment	3
4 Capacities	4
5 Safety precautions	5
6 Notes on tow-starting and towing	6
7 Repair instructions	7
8 Rules for cleanliness when working on the gearbox	9
9 Contact corrosion	10
37 - Controls, housing	11
1 Electrical/electronic components and fitting locations	11
2 Assembly overview - selector mechanism	16
2.1 Checking selector mechanism	18
2.2 Manual release for selector mechanism	20
2.3 Removing and installing selector lever lock solenoid N110	21
2.4 Removing and installing selector lever sensors control unit J587 and tiptronic switch F189	23
2.5 Removing and installing gear selector position P switch F305	24
2.6 Removing and installing shift unit	24
3 Assembly overview - selector lever handle, selector lever position display Y26	29
3.1 Removing and installing selector lever handle	29
3.2 Detaching selector lever boot from selector lever handle	32
3.3 Removing and installing selector lever position display Y26	33
4 Assembly overview - selector lever cable	34
4.1 Removing and installing selector lever cable	34
4.2 Adjusting selector lever cable	43
4.3 Adjusting selector lever cable to basic setting	45
5 Removing and installing gearbox	53
5.1 Removing gearbox - vehicles with 2.0 ltr. TDI engine	53
5.2 Installing gearbox - vehicles with 2.0 ltr. TDI engine	60
5.3 Removing gearbox - vehicles with 2.7 ltr. TDI engine	63
5.4 Installing gearbox - vehicles with 2.7 ltr. TDI engine	73
6 Transporting gearbox	78
7 Securing gearbox/transmission unit to engine and gearbox support	79
8 Assembly overview - gearbox mounting, gearbox support and tunnel cross member	80
8.1 Removing and installing gearbox mounting and gearbox support	80
8.2 Removing and installing tunnel cross member	82
9 ATF in gearbox	87
9.1 Checking and correcting ATF level	87
9.2 Changing ATF or filling up after performing repairs	94
10 Assembly overview - ATF lines, ATF cooler and additional ATF filter	99
10.1 Cleaning ATF lines and ATF cooler	103
10.2 Removing and installing ATF lines	104
10.3 Removing and installing additional ATF filter - vehicles with 2.0 ltr. TDI engine	107
10.4 Removing and installing additional ATF filter - vehicles with 2.7 ltr. TDI engine	110
10.5 Removing and installing ATF breather pipe	111
11 Renewing oil seal for selector shaft	112
38 - Gears, control	113



1	Dismantling and assembling gearbox	113
1.1	Removing and installing end cover	113
1.2	Removing and installing automatic gearbox control unit J217	118
1.3	Cleaning selector shaft	118
1.4	Removing and installing hydraulic control unit	118
1.5	Removing and installing input shaft	118
1.6	Renewing oil seal for input shaft	118
39	Final drive - differential	119
1	Gear oil level in front final drive	119
1.1	Checking gear oil level in front final drive	119
2	Servicing front final drive	121
2.1	Removing and installing left flange shaft	121
2.2	Removing and installing right flange shaft	123
2.3	Removing and installing cover for front final drive	125
2.4	Renewing oil seal for left flange shaft	126
2.5	Renewing oil seal for right flange shaft and deep-groove ball bearing	127
2.6	Renewing oil seal for pinion shaft	127