

Contents

00 - Technical data	1
1 Gearbox identification	1
2 Notes on 6-speed automatic gearbox 0AT	2
3 Transmission layout	3
4 Code letters, gearbox allocation, ratios, equipment	4
5 Capacities	5
6 Repair instructions	6
7 Rules for cleanliness when working on the gearbox	9
8 Notes on tow-starting and towing	10
32 - Torque converter	11
1 Torque converter - important notes	11
1.1 Identification of torque converter	11
1.2 Draining torque converter	11
1.3 Renewing oil seal for torque converter	12
1.4 Checking torque converter	13
1.5 Installing torque converter	13
37 - Controls, housing	15
1 Electrical/electronic components and fitting locations	15
2 Servicing selector mechanism - exploded view	18
2.1 Checking selector mechanism	19
2.2 Operating manual release for selector mechanism	21
2.3 Servicing selector lever handle - exploded view	22
2.4 Removing and installing display unit for selector lever position Y26	26
2.5 Removing and installing selector lever sensors control unit J587 and tiptronic switch F189	28
2.6 Removing and installing shift unit	29
2.7 Removing and installing cover for shift unit	33
3 Dismantling and assembling shift unit - exploded view	35
3.1 Removing and installing gearshift gate	35
3.2 Removing and installing locking lever for selector position "P"	40
3.3 Removing and installing selector lever lock solenoid N110	41
3.4 Removing and installing gear selector position P switch F305	45
4 Selector lever cable - exploded view	48
4.1 Removing and installing selector lever cable	49
4.2 Adjusting selector lever cable	50
5 Removing and installing selector shaft lever	53
6 Removing and installing gearbox - overview	55
6.1 Removing gearbox - vehicles with 6-cyl. 3.6 ltr. FSI engine	55
6.2 Installing gearbox - vehicles with 6-cyl. 3.6 ltr. FSI engine	61
7 Transporting gearbox	65
8 Securing gearbox to assembly stand	66
9 ATF level in gearbox	68
9.1 Checking and topping up ATF level	68
9.2 Draining ATF and filling up after repairs	72
10 ATF pipes, ATF thermostat and ATF cooler on vehicles with 6-cyl. 3.6 ltr. FSI engine - exploded view	76
10.1 Removing and installing ATF cooler	77
10.2 Cleaning ATF pipes and ATF cooler	80



11	Renewing oil seals - exploded view	82
11.1	Renewing oil seal for output shaft	83
11.2	Renewing oil seal for selector shaft	84
38 - Gears, control	87
1	Oil pan, ATF strainer and mechatronic unit - exploded view	87
1.1	Removing and installing oil pan	87
1.2	Removing and installing ATF strainer	89
1.3	Removing and installing mechatronic unit	91