



Contents

00 - Technical data	1
1 Identification	1
1.1 Gearbox identification	1
2 General information	2
2.1 Notes on 6-speed automatic gearbox 09K	2
3 Technical data	3
3.1 Technical data	3
3.2 Capacities	4
4 Repair notes	5
4.1 General information	5
32 - Torque converter	8
1 Torque converter	8
1.1 Assembly overview - torque converter	8
1.2 Securing torque converter to prevent it from falling out	9
1.3 Identification of torque converter	9
1.4 Checking torque converter	9
1.5 Draining torque converter	10
1.6 Removing and installing torque converter oil seal	10
1.7 Installing torque converter	11
37 - Controls, housing	13
1 Fitting locations	13
1.1 Overview of fitting locations	13
2 Selector mechanism	19
2.1 Assembly overview - selector mechanism	19
2.2 Checking selector mechanism	21
2.3 Checking and adjusting selector lever cable	22
2.4 Checking operation of the ignition key withdrawal lock	24
2.5 Removing and installing selector lever handle	25
2.6 Removing and installing printed circuit board	27
2.7 Removing and installing selector mechanism	27
2.8 Removing and installing selector unit	31
2.9 Removing and installing selector lever lock solenoid N110	32
2.10 Removing and installing gear selector cable	32
2.11 Removing and installing locking cable	36
2.12 Adjusting locking cable	38
2.13 Removing and installing multifunction switch F125	39
2.14 Adjusting multifunction switch F125	43
3 Removing and installing gearbox	44
3.1 Removing and installing gearbox, 5-cylinder diesel engine	44
3.2 Removing and installing gearbox, 6-cylinder petrol engine	61
3.3 Transporting gearbox	75
4 ATF	76
4.1 Checking ATF level	76
4.2 Draining and filling ATF	83
5 ATF circuit	87
5.1 Assembly overview – ATF circuit, 5-cylinder diesel engine	87
5.2 Assembly overview – ATF circuit, 6-cylinder petrol engine	88
5.3 Removing and installing ATF cooler, 5-cylinder diesel engine	89
5.4 Removing and installing ATF cooler, 6-cylinder petrol engine	91
5.5 Cleaning ATF lines and ATF cooler	93



38 - Gears, control	95
1 ATF system	95
1.1 Removing and installing oil sump	95
1.2 Removing and installing ATF strainer	96
2 Valve body	98
2.1 Assembly overview - valve body	98
2.2 Solenoid valve identification	101
2.3 Sender identification	102
2.4 Removing and installing valve body	102
2.5 Removing and installing wiring harness (14-pin)	114
2.6 Removing and installing wiring harness (8-pin)	115
2.7 Removing and installing gearbox input speed sender G182	117
2.8 Removing and installing gearbox output speed sender G195	118
3 Oil seals in gearbox	120
3.1 Renewing seal for selector shaft	120
39 - Final drive - differential	121
1 Oil seals	121
1.1 Renewing left stub shaft oil seal	121
1.2 Renewing right stub shaft oil seal	124