

Contents

00 - Technical data	1
1 Identification of rear final drive units 0BF and 0BE	1
2 Code letters, allocation, transmission ratios, capacities	3
2.1 Audi A4 2008 ▶ - Code letters, allocation, transmission ratios, capacities	3
2.2 Audi A5 Coupé 2008 ▶ - Code letters, allocation, transmission ratios, capacities	5
2.3 Audi A5 Sportback 2010 ▶ - Code letters, allocation, transmission ratios, capacities	7
2.4 Audi A5 Cabriolet 2009 ▶ - Code letters, allocation, transmission ratios, capacities	8
2.5 Audi A6 2011 ▶ - Code letters, allocations, transmission ratios, capacities	8
2.6 Audi A7 2011 ▶ - Code letters, allocation, transmission ratios, capacities	9
2.7 Audi A8 2010 ▶ - Code letters, allocation, transmission ratios, capacities	10
3 Transmission layout	12
4 General repair instructions	13
4.1 Safety precautions and testing measures	13
4.2 Jacking mode (vehicles with air suspension)	15
4.3 Special tools	15
4.4 Components	15
39 - Final drive - rear differential	18
1 Exploded view - propshaft with bolted connection at gearbox end (Audi A4 and A5)	18
1.1 Removing and installing propshaft with bolted connection at gearbox end	20
1.2 Detaching and attaching propshaft at gearbox (version with bolted connection at gearbox end)	25
2 Detaching and attaching propshaft at rear final drive	28
3 Exploded view - propshaft with splines on gearbox end	31
3.1 Removing and installing propshaft with splines on gearbox end	33
4 Electrical/electronic components and fitting locations	40
4.1 Removing and installing four-wheel drive control unit J492	42
4.2 Additional work required after renewing four-wheel drive control unit J492	43
5 Exploded view - rear final drive	44
6 Dismantling and assembling rear final drive	47
6.1 Removing and installing hydraulic control unit	47
6.2 Dismantling and assembling hydraulic control unit	50
6.3 Removing and installing four-wheel drive pump V415	53
6.4 Removing and installing oil pressure and oil temperature sender G437 or oil pressure and oil temperature sender 2 G640	54
6.5 Removing and installing clutch for four-wheel drive N445 or clutch valve 2 for four-wheel drive N446	57
7 Checking torque distribution	60
8 Removing and installing rear final drive	61
8.1 Exploded view - rear final drive (Audi A4, A5 Coupé/Sportback/Cabriolet, A6, A7)	61
8.2 Removing and installing rear final drive (Audi A4, A5 Coupé/Sportback/Cabriolet, A6, A7)	62
8.3 Exploded view - rear final drive (RS 5)	68
8.4 Removing and installing rear final drive (RS 5)	68
8.5 Exploded view - rear final drive (Audi A8)	72
8.6 Removing and installing rear final drive (Audi A8)	72
8.7 Additional work required after renewing rear final drive	75
9 Gear oil and ATF in rear final drive	77
9.1 Overview of drain plugs and inspection plugs for ATF and gear oil (rear final drive 0BF and 0BE)	77
9.2 Checking gear oil level in rear final drive 0BF and 0BE	78
9.3 Draining gear oil from rear final drive 0BF and 0BE	79



9.4	Filling up gear oil in rear final drive 0BF	80
9.5	Filling up gear oil in rear final drive 0BE	82
9.6	Checking ATF level in rear final drive 0BF and 0BE	84
9.7	Draining ATF from rear final drive 0BF and 0BE	85
9.8	Filling up ATF in rear final drive 0BF and 0BE	86
10	Renewing oil seals for flange shafts (rear final drive removed)	89
10.1	Renewing protective ring on flange shaft	91
11	Renewing oil seal for propshaft flange	93
11.1	Rear final drive 0BF - renewing oil seal for propshaft flange	93
11.2	Rear final drive 0BE - renewing oil seal for propshaft flange	99
11.3	Renewing protective ring on propshaft flange	106