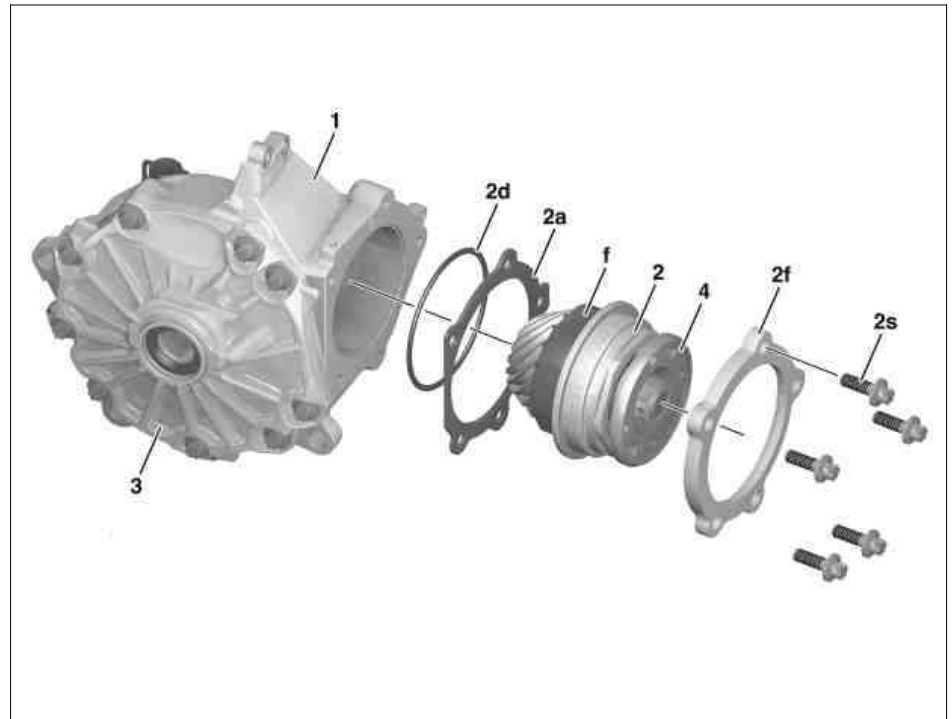


Model 204.08/09/28/29/38/90/93/98/99, 207.38
Model 205 with transmission 722.96
Model 205, 213 (except 213.088/089/288/289), 217, 218, 222, 238, 253 with transmission 725.0
 with code M005 (4MATIC)
Model 212, 217, 218, 222 with transmission 722.97
Model 212.08/09/28/29, 218.39/99 with transmission 722.96
Model 216, 221 with transmission 722.96
Model 217, 222 with transmission 722.96






Shown on front axle transmission 175










1 Front axle transmission
 2 Pinion housing
 2d Sealing ring
 2s Bolts
 f Milled area







P33.30-2125-06

⚠ Caution	Risk of injury to skin and eyes due to handling of transmission oil. Health risk caused by swallowing transmission oil	Wear protective gloves, protective clothing and safety glasses. Do not pour transmission oil into beverage bottles.	AS00.40-Z-0001-01A
⚠ Caution	Risk of injury caused by scraping or cutting body parts on sharp vehicle parts	Always wear protective gloves when working on or near sharp and non-deburred vehicle parts. Deburr repair panels.	AS00.00-Z-0017-01A
	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
☒	Remove		
1	Remove propeller shaft from front axle differential (1).	Model 213.061/261, 238.361/461 with engine 256 with code M005 (4MATIC) Model 205 with transmission 722.96 Model 216, 221.0/1 with transmission 722.96 with code M005 (4MATIC) Model 217, 222 with engine 176, 278 with transmission 725.0 with code M005 (4MATIC) Model 217, 222 with engine 177 with transmission 725.0 with code M005 (4MATIC) Model 217, 222 with transmission 722.96/97 Model 222 with engine 276, 642, 656 with transmission 725.0 with code M005 (4MATIC)	AR41.10-P-0070MSA AR41.10-P-0070LWY AR41.10-P-0070SYZ AR41.10-P-0070LFX

		<p>Model 222 with engine 256 with transmission 725.0 with code M005 (4MATIC)</p> <p>Model 204.08/09/28/29/38/90/93/98/99, 207.38 with code M005 (4MATIC)</p> <p>Model 212, 218 with transmission 722.97</p> <p>Model 212.08/09/28/29, 218.39/99 with transmission 722.96</p> <p>Model 218 with transmission 725.0 with code M005 (4MATIC)</p> <p>Model 253 with transmission 725.0 with code M005 (4MATIC)</p> <p>Model 205 with transmission 725.0 with code M005 (4MATIC)</p> <p>Model 213 (except 213.061/088/089/261/288/289), 238 (except 238.361/461) with transmission 725.0 with code M005 (4MATIC)</p>	<p>AR41.10-P-0070MRT</p> <p>AR41.10-P-0070CWX</p> <p>AR41.10-P-0070EWX</p> <p>AR41.10-P-0070AVG</p> <p>AR41.10-P-0070LW</p> <p>AR41.10-P-0070LWA</p> <p>AR41.10-P-0070OLC</p>
2	Remove bolts (2s).	<p>Model 204.08/09/28/29/38/90/93/98/99, 207.38 with code M005 (4MATIC)</p> <p>Model 205 with transmission 725.0 with code M005 (4MATIC)</p> <p>With VAG 160Model 213 (except 213.088/089/288/289), 238 with transmission 725.0 with code M005 (4MATIC)</p> <p>With VAG 160Model 216, 221.0/1 with transmission 722.96 with code M005 (4MATIC)</p> <p>Model 222 with engine 256 with transmission 725.0 with code M005 (4MATIC)</p> <p>Model 253 with transmission 725.0 with code M005 (4MATIC)With VAG 160</p>	
3	Drain oil from front axle differential (1).	<p>Model 205, 213 (except 213.088/089/288/289), 238, 253 with transmission 725.0 with code M005 (4MATIC)With VAG 160</p>	AR33.25-P-0300-01LWX
4	Pull pinion housing (2) out of front axle differential (1).	<p> Impact extractor</p> <p> Extraction tool</p>	<p>AR33.30-P-0469-01SYZ</p> <p>*602589003300</p> <p>*221589043300</p>
	Install		
5	Clean thread of drain screw in housing of transfer case (1).	<p>Model 204.08/09/28/29/38/90/93/98/99, 207.38 With VAG 175Model 205 with transmission 722.96</p> <p>With VAG 175Model 205, 213 (except 213.088/089/288/289), 217, 218, 222, 238, 253 with transmission 725.0 with code M005 (4MATIC)</p> <p>With VAG 175Model 212, 217, 218, 222 with transmission 722.97</p> <p>With VAG 175Model 212.08/09/28/29, 218.39/99 with transmission 722.96</p> <p>With VAG 175Model 216, 221 with transmission 722.96</p> <p>With VAG 175Model 217, 222 with transmission 722.96With VAG 175</p> <p>Loctite 7063 cleaning spray (150 ml)</p>	*BR00.45-Z-1046-04A
6	Screw drain screw into front axle differential (1).	<p>Model 204.08/09/28/29/38/90/93/98/99, 207.38 With VAG 175Model 205, 213 (except 213.088/089/288/289), 217, 218, 222, 238, 253 with transmission 725.0 with code M005 (4MATIC)</p> <p>With VAG 175Model 205, 217, 222 with transmission 722.96</p> <p>With VAG 175Model 212, 217, 218, 222 with transmission 722.97</p> <p>With VAG 175Model 212.08/09/28/29, 218.39/99 with transmission 722.96</p> <p>With VAG 175Model 216, 221 with transmission 722.96With VAG 175</p> <p> Replace seal.</p> <p> Front axle transmission drain screw</p>	*BA33.30-P-1008-03G

7	Fill front axle differential (1) with oil.	<p>Model 205, 213 (except 213.088/089/288/289), 238, 253 with transmission 725.0 with code M005 (4MATIC)With VAG 160</p> <p> Absolute cleanliness is essential at all times when working on the front axle differential(1). If this is not observed, even the smallest dirt particle could prevent the front axle transmission(1) from functioning properly or cause damage.</p> <p> Model 204.08/09/28/29/38/90/93/98/99, 207.38 With VAG 175Model 205, 213 (except 213.088/089/288/289), 217, 218, 222, 253 with transmission 725.0 with code M005 (4MATIC) With VAG 175Model 205, 217, 222 with transmission 722.96 With VAG 175Model 212, 217, 218, 222 with transmission 722.97 With VAG 175Model 212.08/09/28/29, 218.39/99 with transmission 722.96 With VAG 175Model 216, 221 with transmission 722.96With VAG 175</p> <p>The front axle differential(1) does not have an oil filling orifice. fill the front axle differential (1) through the differential carrier orifice.</p> <p> Model 205, 213 (except 213.088/089/288/289), 238, 253 with transmission 725.0 with code M005 (4MATIC) With VAG 160Front axle transmission filling screw</p> <p> Model 205, 213 (except 213.088/089/288/289), 238, 253 with transmission 725.0 with code M005 (4MATIC) With VAG 160Front axle transmission drain screw</p> <p> Model 216, 221 with transmission 722.96Hypoid gear oil</p> <p> Model 204.08/09/28/29/38/90/93/98/99, 207.38 Model 205 with transmission 722.96 Model 205, 213 (except 213.088/089/288/289), 217, 218, 222, 238, 253 with transmission 725.0 with code M005 (4MATIC) Model 212, 218 with transmission 722.97 Model 212.08/09/28/29, 218.39/99 with transmission 722.96 Model 217, 222 with transmission 722.96/97Hypoid gear oil Loctite 7063 cleaning spray (150 ml) Quick-acting adhesive Omnifit 100H (50 g)</p> <p> Hand pump</p>	<p>AR33.25-P-0300-01LWX</p> <p>*BA33.30-P-1014-03G</p> <p>*BA33.30-P-1008-03G</p> <p>*BF33.30-P-1001-03C</p> <p>*BF33.30-P-1001-03F</p> <p>*BR00.45-Z-1046-04A</p> <p>*BR00.45-Z-1110-02A</p> <p>*210589007100</p>
8	Insert pinion housing (2) into front axle differential (1).	<p> Insert pinion housing (2) into front axle differential (1) with utmost care. Otherwise the sealing ring (2d) will be damaged.</p> <p> Replace sealing ring (2d) and moisten new sealing ring (2d) with Vaseline. To maintain the flow of oil in the pinion housing(2), the milled area(f) must face upwards.</p> <p>VASELINE / DBL 6850.00</p>	<p>*BR00.45-Z-1098-06A</p>

9	Screw in bolts (2s).	<p>Model 204.08/09/28/29/38/90/93/98/99, 207.38 with code M005 (4MATIC) Model 205 with transmission 725.0 with code M005 (4MATIC) With VAG 160Model 213 (except 213.088/089/288/289), 238 with transmission 725.0 with code M005 (4MATIC) With VAG 160Model 216, 221.0/1 with transmission 722.96 with code M005 (4MATIC) Model 222 with engine 256 with transmission 725.0 with code M005 (4MATIC) Model 253 with transmission 725.0 with code M005 (4MATIC)With VAG 160</p> <p> Collar bolt, retaining plate to front axle differential</p>	*BA33.30-P-1004-03G
10	Install propeller shaft onto front axle differential (1).	<p>Model 213.061/261, 238.361/461 with engine 256 with code M005 (4MATIC) Model 205 with transmission 722.96 Model 217, 222 with engine 176, 278 with transmission 725.0 with code M005 (4MATIC) Model 217, 222 with engine 177 with transmission 725.0 with code M005 (4MATIC) Model 217, 222 with transmission 722.96/97 Model 222 with engine 276, 642, 656 with transmission 725.0 with code M005 (4MATIC) Model 222 with engine 256 with transmission 725.0 with code M005 (4MATIC) Model 204.08/09/28/29/38/90/93/98/99, 207.38 Model 216, 221.0/1 with transmission 722.96 with code M005 (4MATIC) Model 212, 218 with transmission 722.97 Model 212.08/09/28/29, 218.39/99 with transmission 722.96 Model 218 with transmission 725.0 with code M005 (4MATIC) Model 253 with transmission 725.0 with code M005 (4MATIC) Model 205 with transmission 725.0 with code M005 (4MATIC) Model 213 (except 213.061/088/089/261/288/289), 238 (except 238.361/461) with transmission 725.0 with code M005 (4MATIC)</p> <p> Observe tightening torque. Otherwise there will be noise development and vibrations in the front axle transmission (1).</p> <p> Install bottom section of soundproofing or center and rear lower engine compartment lining only after the leak test.</p>	<p>AR41.10-P-0070MSA AR41.10-P-0070LWY AR41.10-P-0070LFX AR41.10-P-0070MRT AR41.10-P-0070CWX AR41.10-P-0070SYZ AR41.10-P-0070EWX AR41.10-P-0070AVG AR41.10-P-0070LW AR41.10-P-0070LWA AR41.10-P-0070OLC</p>
	Check		
11	Check front axle differential (1) for leak tightness and proper operation.		

12.1	Install center and rear lower engine compartment lining.	<p>Model 204.08, 212.08/28 with engine 272 with transmission 722.96 Model 204.08/38, 207.38, 212.08/09/28/29 with engine 276 with transmission 722.96 Model 204.90/93/98/99 Model 205, 213 (except 213.088/089/288/289), 217, 222, 238, 253 with transmission 725.0 with code M005 (4MATIC) Model 205, 217, 222 with transmission 722.96 Model 212.09/29, 218.39/99 with engine 157 with transmission 722.97 Model 212.09/29, 218.39/99 with engine 278 with transmission 722.96 Model 216, 221 with transmission 722.96 Model 217, 222 with transmission 722.97 Model 218 with engine 276 with transmission 725.0 with code M005 (4MATIC) Model 218 with engine 278 with transmission 725.0 with code M005 (4MATIC) Model 221.1 with transmission 722.96 with code Z07 (Top protection) Model 204.90/93/98/99 Model 216 with transmission 722.96 Model 221 with transmission 722.96 except code Z07 (Top protection) Model 217, 222 with transmission 722.96/97 Model 217, 222 with transmission 725.0 with code M005 (4MATIC) Model 204.08, 212.08/28 with engine 272 with transmission 722.96 Model 204.08/38, 207.38, 212.08/09/28/29 with engine 276 with transmission 722.96 Model 212.09/29, 218.39/99 with engine 157 with transmission 722.97 Model 212.09/29, 218.39/99 with engine 278 with transmission 722.96 Model 218 with engine 276 with transmission 725.0 with code M005 (4MATIC) Model 218 with engine 278 with transmission 725.0 with code M005 (4MATIC) Model 213 (except 213.088/089/288/289), 238 with transmission 725.0 with code M005 (4MATIC) Model 205 with transmission 722.96 Model 205, 253 with transmission 725.0 with code M005 (4MATIC)</p>	<p>AR61.20-P-1105SXS AR61.20-P-1105CY AR61.20-P-1105SX AR61.20-P-1105LF AR61.20-P-1105EW AR61.20-P-1105LWE AR61.20-P-1105LW</p>
12.2	Install bottom part of noise encapsulation.	<p>Model 204.08/09/28/29, 212.08/09/28/29, 218.39/99 with engine 642 with transmission 722.96 Model 204.08/28, 212.08/09/28/29, 218.39/99 with engine 651 with transmission 722.96 Model 218 with engine 642 with transmission 725.0 with code M005 (4MATIC)</p>	<p>AR94.30-P-5300EW</p>

Nm Front axle gear

Number	Designation		Model 204	Model 205
BA33.30-P-1004-03G	Collar bolt, retaining plate to front axle differential	Nm	55	55

Nm Front axle gear

Number	Designation		Model 207	Model 213
BA33.30-P-1004-03G	Collar bolt, retaining plate to front axle differential	Nm	55	55

Nm Front axle gear

Number	Designation		Model 216	Model 221
BA33.30-P-1004-03G	Collar bolt, retaining plate to front axle differential	Nm	55	55

Nm Front axle gear

Number	Designation		Model 222	Model 238
BA33.30-P-1004-03G	Collar bolt, retaining plate to front axle differential	Nm	55	55

Nm Front axle gear

Number	Designation		Model 253
BA33.30-P-1004-03G	Collar bolt, retaining plate to front axle differential	Nm	55

Nm Front axle gear

Number	Designation		Model 204	Model 205
BA33.30-P-1008-03G	Front axle transmission drain screw	Nm	20	20

Nm Front axle gear

Number	Designation		Model 207	Model 212
BA33.30-P-1008-03G	Front axle transmission drain screw	Nm	20	20

Nm Front axle gear

Number	Designation		Model 213	Model 216
BA33.30-P-1008-03G	Front axle transmission drain screw	Nm	20	20

Nm Front axle gear

Number	Designation		Model 217	Model 218
BA33.30-P-1008-03G	Front axle transmission drain screw	Nm	20	20

Nm Front axle gear


Number	Designation		Model 221	Model 222
BA33.30-P-1008-03G	Front axle transmission drain screw	Nm	20	20

Nm Front axle gear


Number	Designation		Model 238	Model 253
BA33.30-P-1008-03G	Front axle transmission drain screw	Nm	20	20

Nm Front axle gear


Number	Designation			Model 205	Model 213
BA33.30-P-1014-03G	Front axle transmission filling screw	M24	Nm	25	25

 Front axle gear


Number	Designation			Model 238	Model 253
BA33.30-P-1014-03G	Front axle transmission filling screw	M24	Nm	25	25

 Front axle transmission


Number	Designation			MODEL 216 with 4MATIC	MODEL 221 with 4MATIC
BF33.30-P-1001-03C	Hypoid gear oil	Filling capacity	Liter	0,6	0,6
		Sheet		BB00.40-P-0235-07A	BB00.40-P-0235-07A

 Front axle gear


Number	Designation			Model 204	Model 205
BF33.30-P-1001-03F	Hypoid gear oil	Filling capacity	Liter	0,55	0,55
		Sheet		BB00.40-P-0235-07A	BB00.40-P-0235-07A

 Front axle gear


Number	Designation			Model 207	Model 212
BF33.30-P-1001-03F	Hypoid gear oil	Filling capacity	Liter	0,55	0,55
		Sheet		BB00.40-P-0235-07A	BB00.40-P-0235-07A

 Front axle gear

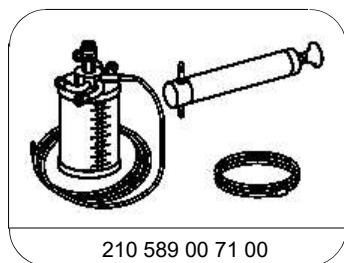
Number	Designation			Model 213	Model 217
BF33.30-P-1001-03F	Hypoid gear oil	Filling capacity	Liter	0,55	0,55
		Sheet		BB00.40-P-0235-07A	BB00.40-P-0235-07A

 Front axle gear

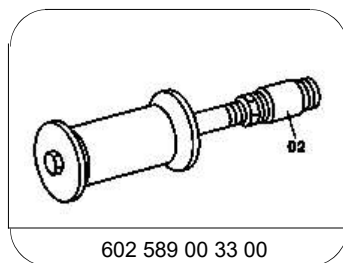
Number	Designation			Model 218	Model 222
BF33.30-P-1001-03F	Hypoid gear oil	Filling capacity	Liter	0,55	0,55
		Sheet		BB00.40-P-0235-07A	BB00.40-P-0235-07A

 Front axle gear

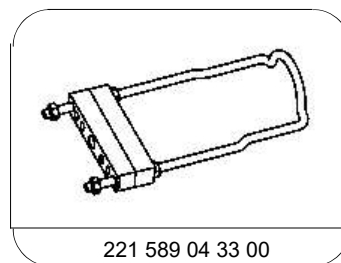
Number	Designation			Model 238	Model 253
BF33.30-P-1001-03F	Hypoid gear oil	Filling capacity	Liter	0,55	0,55
		Sheet		BB00.40-P-0235-07A	BB00.40-P-0235-07A



Hand pump



Impact extractor



Extraction tool

Repair materials

Number	Designation	Order number
BR00.45-Z-1046-04A	Loctite 7063 cleaning spray (150 ml)	A 001 986 71 71 10
BR00.45-Z-1098-06A	VASELINE / DBL 6850.00	A 000 989 15 51
BR00.45-Z-1110-02A	Quick-acting adhesive Omnifit 100H (50 g)	A 002 989 23 71