

Model 172, 205, 211, 212, 213, 218, 219, 231, 253
 with code 471 (Manual locking differential)
Model 204
 with code 471 (Manual locking differential)
 except code B25 (AMG Track Package)
Model 205, 253
 with code 467 (Electronic locking differential)
Model 230
 with code 471 (Manual locking differential)
 except code P99 (Special model "AMG Black Series")

Shown on model 204 with code 471 (Mechanical locking differential) except code B25 (AMG Track Package)

1 Rear axle gear
 1a Drain screw
 1e Filling screw



P35.31-2223-11

	Warning	Risk of injury. Skin or eye injuries may result when handling hot or glowing objects.	Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
	Danger	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	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
		Preparatory activity		
	AR	Lift vehicle with lifting platform.		AR00.60-P-1006A
		Clean		
	2	Clean area surrounding drain screw (1a) and filling screw (1e).		
		Remove		
	3	Unscrew filling screw (1e).		
		Drain off		
	4	Remove drain screw (1a) and drain oil from rear axle differential (1).		
		Clean		
	5	Clean drain screw (1a) and drain hole in rear axle differential (1).	Loctite 7063 (400 ml) cleaning spray	*BR00.45-Z-1046-04A
		Check		
	6	Check drain screw (1a) for re-usability.		
			Replace damaged drain screw (1a). Otherwise, this may lead to leakage and consequential damage.	
		Install		

7	Apply a drop of sealant to start of lower thread on drain screw (1a), then immediately install drain screw (1a) and tighten.	Model 172, 204, 205, 212, 213, 218, 231, 253 Drain screw to rear axle differential Model 211, 230 Oil drain screw for rear axle differential Model 219 Oil drain screw, differential Sealant, Omnifit 100H (50 g)	*BA35.31-P-1003-02H *BA35.31-P-1003-02A *BA35.31-P-1003-02D *BR00.45-Z-1061-01A
	Pour in		
8	Add oil to rear axle differential (1) up to lower edge of filler hole.	Only approved oils as per "SAE 75W-140 Limited Slip" may be used. Damage can otherwise occur. Model 172, 204, 212, 218, 231 Filling capacity Model 205 Filling capacity for rear axle differential with differential lock Model 211, 230 Filling capacity Model 213 Filling capacity for rear axle differential with differential lock Model 219 Filling capacity Model 253 Filling capacity for rear axle differential with differential lock	*BF35.31-P-1001-01T *BF35.31-P-1003-01U *BF35.31-P-1004-01L *BF35.31-P-1003-02C *BF35.31-P-1003-01P *BF35.31-P-1003-02B
	Clean		
9	Clean filling hole in rear axle differential (1).	Loctite 7063 (400 ml) cleaning spray	*BR00.45-Z-1046-04A
	Check		
10	Check filling screw (1e) for re-usability.	Replace damaged filling screw (1e). Otherwise, this may lead to leakage and consequential damage.	
	Install		
11	Apply a drop of sealant to start of lower thread on filling screw (1) then immediately install filling screw (1) and tighten.	Model 172, 204, 205, 212, 213, 218, 231, 253 Oil filler screw of rear axle differential Model 211, 230 Oil filler screw, differential Model 219 Oil filler screw, differential Sealant, Omnifit 100H (50 g)	*BA35.31-P-1002-02H *BA35.31-P-1002-02A *BA35.31-P-1002-02D *BR00.45-Z-1061-01A
	Finishing activity		
12 	Lower vehicle with vehicle lift.		AR00.60-P-1006A

Rear axle differential housing

Number	Designation	Model 211	MODEL 230 except CODE P99
BA35.31-P-1002-02A	Oil filler screw, differential Nm	50	50

Rear axle differential housing

Number	Designation	MODEL 219
BA35.31-P-1002-02D	Oil filler screw, differential Nm	50

Rear axle differential housing

Number	Designation	Model 172	Model 204 except code 700 (Technology Local Content China) except code P98 (Black Series)
BA35.31-P-1002-02H	Oil filler screw of rear axle differential Nm	50	50

Rear axle differential housing

Number	Designation	Model 204 with code P98 (Black Series)	Model 205

BA35.31-P-1002-02H	Oil filler screw of rear axle differential	Nm	50	50
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 Rear axle differential housing

Number	Designation		Model 212.0/2 Model 212.1 except code 700 (Technology Local Content China)	Model 213
BA35.31-P-1002-02H	Oil filler screw of rear axle differential	Nm	50	50

 Rear axle differential housing

Number	Designation		Model 218	Model 231
BA35.31-P-1002-02H	Oil filler screw of rear axle differential	Nm	50	50

 Rear axle differential housing

Number	Designation		Model 253
BA35.31-P-1002-02H	Oil filler screw of rear axle differential	Nm	50

 Rear axle differential housing

Number	Designation		Model 211	MODEL 230 except CODE P99
BA35.31-P-1003-02A	Oil drain screw for rear axle differential	Nm	50	50

 Rear axle differential housing

Number	Designation		MODEL 219
BA35.31-P-1003-02D	Oil drain screw, differential	Nm	50

 Rear axle differential housing

Number	Designation		Model 172	Model 204 except code 700 (Technology Local Content China) except code P98 (Black Series)
BA35.31-P-1003-02H	Drain screw to rear axle differential	Nm	50	50

 Rear axle differential housing

Number	Designation		Model 204 with code P98 (Black Series)	Model 205
BA35.31-P-1003-02H	Drain screw to rear axle differential	Nm	50	50

 Rear axle differential housing

Number	Designation		Model 212.0/2 Model 212.1 except code 700 (Technology Local Content China)	Model 213
BA35.31-P-1003-02H	Drain screw to rear axle differential	Nm	50	50

 Rear axle differential housing

Number	Designation		Model 218	Model 231
BA35.31-P-1003-02H	Drain screw to rear axle differential	Nm	50	50

 Rear axle differential housing

Number	Designation		Model 253
BA35.31-P-1003-02H	Drain screw to rear axle differential	Nm	50

 Rear axle gear

Number	Designation		Model 172.475	MODEL 204.077/277, MODEL 204.377 except CODE B25/P98
BF35.31-P-1001-01T	Filling capacity	Rear axle differential 183 FE, Liter Ø 183 mm	-	-
		Sheet	-	-
		Rear axle differential 187 FE, Liter Ø 187 mm	-	-
		Sheet	-	-
		Rear axle differential 200 FE, Liter Ø 200 mm	-	-
		Sheet	-	-
		Rear axle differential 215 FE, Ø 215 mm	1,2	1,2
		Sheet	BB00.40-P-0235-61A	BB00.40-P-0235-61A

 Rear axle gear

Number	Designation		MODEL 204.377 with CODE P98, except CODEB25	Model 212.074/075/076/077/092/274/275/276/277/292
BF35.31-P-1001-01T	Filling capacity	Rear axle differential 183 FE, Liter Ø 183 mm	-	-
		Sheet	-	-
		Rear axle differential 187 FE, Liter Ø 187 mm	-	-
		Sheet	-	-
		Rear axle differential 200 FE, Liter Ø 200 mm	-	-
		Sheet	-	-
		Rear axle differential 215 FE, Ø 215 mm	1,2	1,2
		Sheet	BB00.40-P-0235-61A	BB00.40-P-0235-61A

 Rear axle gear

Number	Designation		MODEL 218 AMG	Model 231 AMG
BF35.31-P-1001-01T	Filling capacity	Rear axle differential 183 FE, Liter Ø 183 mm	-	-
		Sheet	-	-
		Rear axle differential 187 FE, Liter Ø 187 mm	-	-
		Sheet	-	-
		Rear axle differential 200 FE, Liter Ø 200 mm	-	-
		Sheet	-	-
		Rear axle differential 215 FE, Ø 215 mm	1,2	1,2

	Sheet	BB00.40-P-0235-61A	BB00.40-P-0235-61A
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Differential

Number	Designation			MODEL 219.376/377
BF35.31-P-1003-01P	Filling capacity	Differential Ø 215 mm	Liter	1,2
	Sheet			BB00.40-P-0235-61A

Rear axle gear

Number	Designation			Model 205.086/087/286/287/386/387/486/487
BF35.31-P-1003-01U	Filling capacity for rear axle differential with differential lock		Liter	1,2
	Sheet			BB00.40-P-0235-61A

Rear axle gear

Number	Designation			Model 253.388/389/988/989
BF35.31-P-1003-02B	Filling capacity for rear axle differential with differential lock		Liter	1,2
	Sheet			BB00.40-P-0235-61A
	Overview of specified transmission oils			-
	Approved axle gear oils			-

Rear axle gear

Number	Designation			Model 213.088/089/288/289
BF35.31-P-1003-02C	Filling capacity for rear axle differential with differential lock		Liter	1,2
	Sheet			BB00.40-P-0235-61A

Differential

Number	Designation			MODEL 211.077/277, 230.470/472/474/479
BF35.31-P-1004-01L	Filling capacity	Differential Ø 215 mm	Liter	1,2
	Sheet			BB00.40-P-0235-61A

Repair materials

Number	Designation	Order number
BR00.45-Z-1046-04A	Loctite 7063 (400 ml) cleaning spray	A 001 986 71 71 09
BR00.45-Z-1061-01A	Sealant, Omnifit 100H (50 g)	A 002 989 23 71