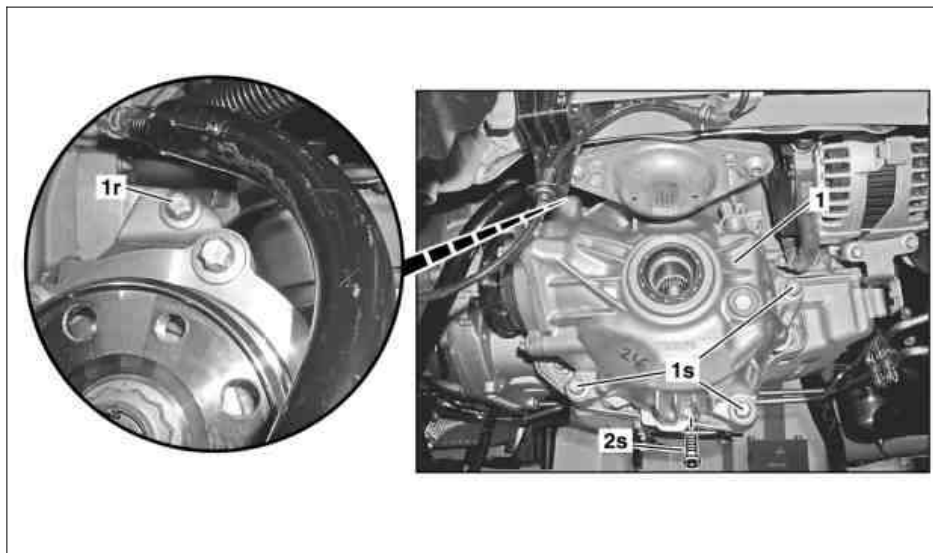


**MODEL 221, 216
with 4MATIC**

- 1 Front axle transmission
 1r Screw
 1s Bolts
 2s Drain screw



P33.30-2122-05

Modification notes

6.5.08	"Observe tightening sequence when installing front axle transmission" added		
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	Removing		
	Absolute cleanliness is essential when working on the front axle transmission (1). Even minute dirt particles can prevent the front axle transmission (1) from functioning correctly		
1	Detach propeller shaft from front axle transmission (1)		AR41.10-P-0070SYZ
2	Remove front axle carrier		AR33.10-P-0001SYZ
3	Remove intermediate shaft		AR33.30-P-0625SYZ
4	Remove bolts (1r, 1s) and remove front axle differential (1)	The guide sleeve of the intermediate shaft may become detached from the oil pan when the front axle transmission is removed.	
	Install		
5	Check that guide sleeve is seated correctly in oil pan		
6	Attach front axle transmission (1) to front axle	It is essential to observe the tightening sequence. Failure to do so will result in noises and vibrations in the front axle transmission. 	AR33.30-P-0525-04CWX *BA33.30-P-1006-03G *BA33.30-P-1007-03G
7	Remove drain screw (2s) and drain oil from front axle transmission (1)		*BA33.30-P-1008-03G
8	Fill front axle transmission (1) with oil	The front axle transmission does not have an oil filler hole and must be filled via the front axle shaft opening. 	*BF33.30-P-1001-03C
BB	Universal hypoid gear oils (SAE 85 W-90)	Sheet 235.7	BB00.40-P-0235-07A
9	Install intermediate shaft		AR33.30-P-0625SYZ
10	Install front axle carrier		AR33.10-P-0001SYZ
11	Attach propeller shaft to front axle transmission (1)	It is essential to observe the tightening torque. Failure to do so will result in noises and vibrations in the front axle transmission.	AR41.10-P-0070SYZ

<p>⚠ Danger!</p> <p>12</p>	<p>Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running</p> <p>Perform engine test run and check front axle transmission (1) for leaks and that it is functioning correctly</p>	<p>Secure vehicle to prevent it from moving by itself.</p> <p>Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.</p>	<p>AS00.00-Z-0005-01A</p>
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Nm Front axle transmission

Number	Designation	Model 216	Model 221
BA33.30-P-1006-03G	Collar bolt, front axle gear to support brace	Nm 65	65
BA33.30-P-1007-03G	Collar bolt, front axle transmission to engine support	Stage 1 Nm 5	5
		Stage 2 Nm 50	50
		Stage 3 4° 95	95
BA33.30-P-1008-03G	Oil drain screw, front axle gear	Nm 20	20

Front axle gear

Number	Designation	Model 216 with 4MATIC	Model 221 with 4MATIC
BF33.30-P-1001-03C	Hypoid gear oil	Filling capacity Liters 0.6	0.6
		Specifications for service products Sheet	<p>BB00.40-P-0235-07 A</p> <p>BB00.40-P-0235-07 A</p>