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Mercedes-Benz 202 (C-Class) Wiper Transmission Gear Replacement

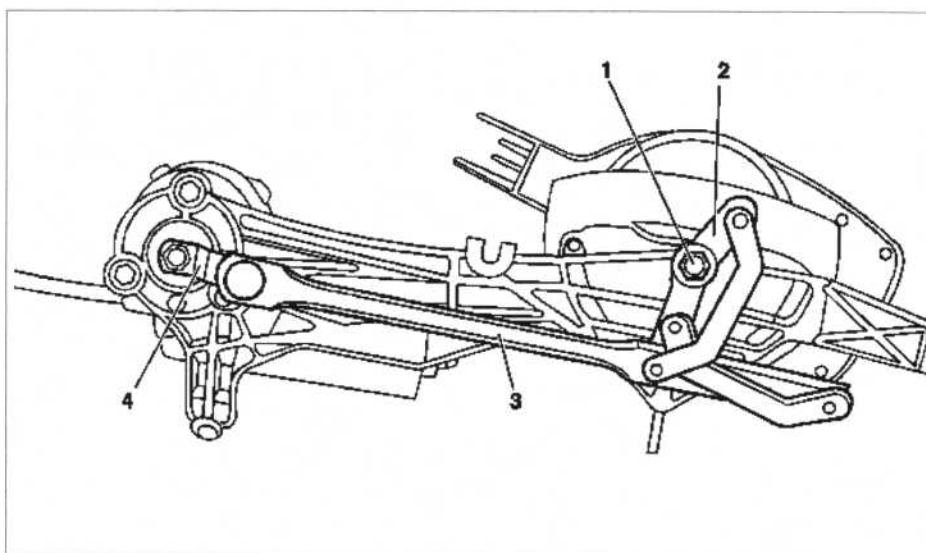
The instructions below are for the removal and installation of the wiper transmission assembly and realigning the wiper arm for proper synchronization.

Additionally once the assembly is removed from the vehicle, follow these steps.

- Remove nut #1 (diagram 1) of wiper gears head shaft.
- Pull wiper head out of transmission.
- You will see the damaged plastic gear
- Using an angle grinder, grind the metal from the base of the gear. The shaft was mushroomed over at the factory to secure the gear during assembly. This is not required for the new gear.
- Remove the old gear by use of chisel and hammer.
- Using a bench vise, secure a metal punch. Place the wiper head shaft centered over the punch. Tap the new gear from the opposite side. Be sure to install gear evenly otherwise there is a risk of cracking.
- Place the wiper head back in the transmission and reinstall.

MODEL 202, 208, 210

- 1 Nut of wiper gear head shaft
- 2 Wiper gear head crank arm
- 3 Wiper linkage
- 4 Wiper motor crank arm



P82.30-0007-05

Modification notes

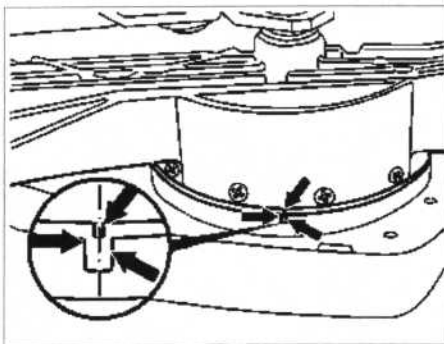
14.4.08	When detaching crank arm, counterhold wiper motor shaft	Operation step 9, 15	
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Icon	Removing		
1	Withdraw ignition key		
2	Remove wiper arm		AR82.30-P-6100E
3	Open engine hood and move to vertical position	Model 202	AR88.40-P-1000E
		Model 208, 210	AR88.40-P-1000F
4	Remove air inlet	Model 202, 208	AR83.25-P-1401E
		Model 210, left	AR83.25-P-1403F
		Model 210, right	AR83.25-P-1404F
5	Remove wiper system	Model 202, 208	AR82.30-P-6400E
		Model 210	AR82.30-P-6400F
6	Set wiper gear head basic setting		AR82.30-P-6800-02E
7	Unscrew nut of wiper gear head shaft (1)		
8	Pry off wiper gear head crank arm (2)		
9	Unscrew nut on wiper motor shaft.	ⓘ Counterhold wiper motor shaft with open end wrench, as otherwise damages may occur at wiper motor drive.	
10	Pry off wiper linkage (3) from wiper motor crank arm (4)		
11	Remove wiper linkage (3)		
Icon	Install		
12	Move wiper motor to parking position		AR82.30-P-6800-01E
13	Attach wiper linkage (3)		
14	Press wiper linkage (3) onto wiper motor crank arm (4)		
15	Screw nut onto wiper motor shaft.	ⓘ Counterhold wiper motor shaft with open end wrench, as otherwise damages may occur at wiper motor drive. Nm	*BA82.30-P-1002-01A
16	Wiper gear head basic setting		AR82.30-P-6800-02E
17	Press wiper gear head crank arm (2) onto wiper gear head shaft	Note position: Wiper motor crank arm (4) and wiper linkage (3) must be installed in extended position.	
18	Screw on nut of wiper gear head shaft (1)	Nm	*BA82.30-P-1003-01A
19	Install wiper system	Model 202, 208	AR82.30-P-6400E
		Model 210	AR82.30-P-6400F

20	Install wiper arm		AR82.30-P-6100E
21	Install air inlet	Model 202, 208 Model 210, left Model 210, right	AR83.25-P-1401E AR83.25-P-1403F AR83.25-P-1404F
22	Close engine hood	Model 202 Model 208, 210	AR88.40-P-1000E AR88.40-P-1000F

Nm Windshield wiper

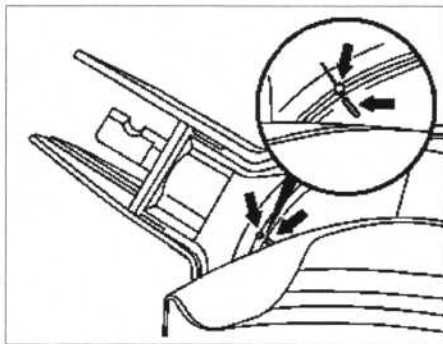
Number	Designation		Model 202	Model 208	Model 210
BA82.30-P-1002-01A	Nut on wiper motor shaft	Nm	19	19	19
BA82.30-P-1003-01A	Nut of wiper gear head shaft	Nm	19	19	19



P82.30-0009-01

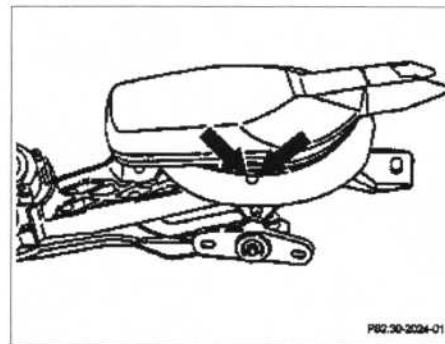
Model 202

Ensure that wiper system is in park position.
Check markings (arrows).
If markings are not present, mark with pencil.



P82.30-0212-01

Models 208, 210



P82.30-2024-01

Model 129

i When installing the wiper motor or wiper linkage ensure that markings coincide.