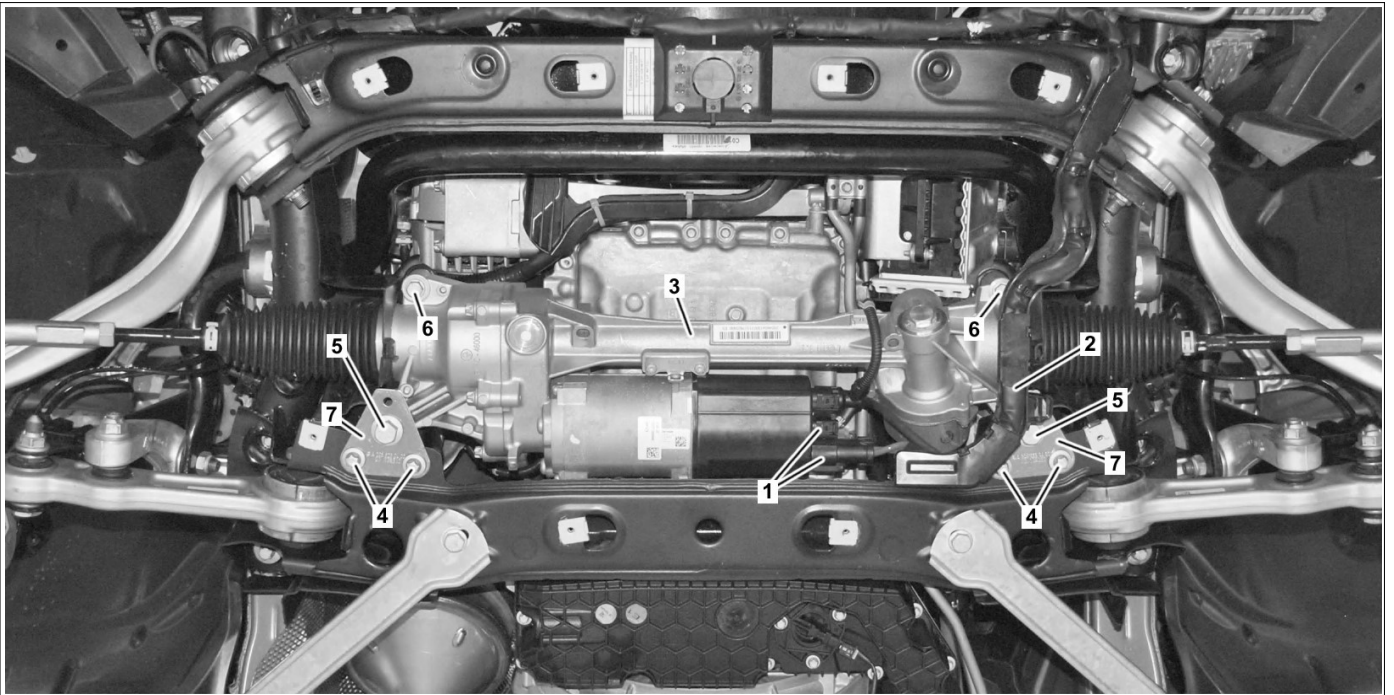


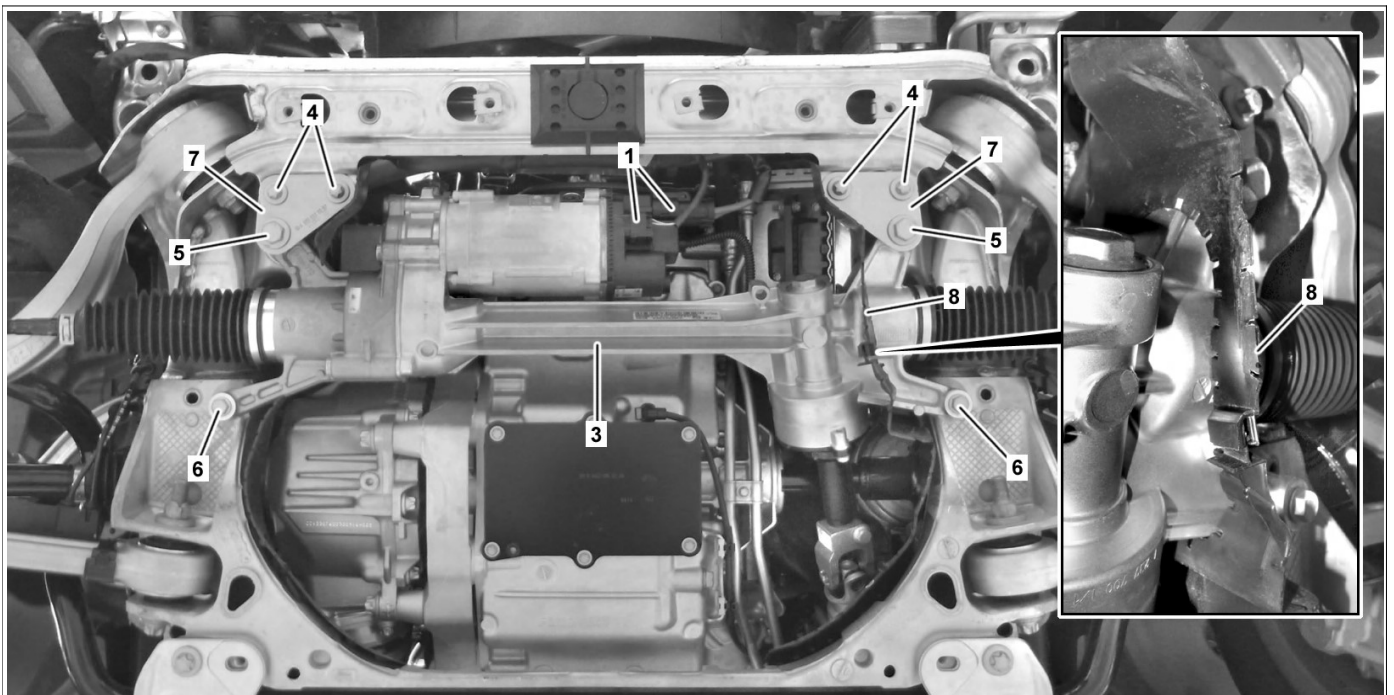
Model 205
 Model 213
 Model 253 (except 253.992/993)
 Model 293



P46.20-2458-09

Shown except CODE M005 (4MATIC)

- | | | | | | |
|---|---------------------------------|---|-------|---|----------------|
| 1 | Electrical connectors | 4 | Bolts | 6 | Screw |
| 2 | Steering wiring harness bracket | 5 | Screw | 7 | Mounting plate |
| 3 | Rack-and-pinion steering | | | | |











P46.20-2462-09

Shown with code M005 (4MATIC)

- 1 Electrical connectors
- 3 Rack-and-pinion steering
- 4 Bolts
- 5 Screw

- 6 Screw
- 7 Mounting plate
- 8 Cover

 Danger	Risk of death when working on component parts and systems with U >= 30 V alternating voltage (AC) or U >= 60 V direct voltage (DC)	Do not touch damaged or defective live component parts and lines or non-insulated electrical connections and lines.	AS00.00-Z-0035-01A
 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
Notice	General information on vehicles with high-voltage on-board electrical system and/or lithium-ion battery and/or gaseous-fuel drive system as well as personal protective equipment		AH00.00-Z-0300-01A
Notice	Notes on threaded connections fastened using a tightening angle-based tightening process		AH00.00-P-0020-01A
Notice	Notes on self-locking nuts and bolts		AH00.00-P-0001-01KOA
Notice	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Notes on safety-relevant components		AH00.00-Z-0019-01A
	Remove/install		
1	Deactivate easy entry and exit feature for steering wheel.	Model 205, 253 (except 253.992/993), 293 with code 275 (Driver's seat, electrically adjustable with memory function) Model 213 with code 275 (Memory Package (driver's seat, steering column and mirror))	
2	Move steering wheel forward and upward.		
3	Turn steering wheel to center position (front wheels in straight-ahead position) and fix in place using holding device.	 The steering wheel must not be turned when the steering coupling is removed. Otherwise the clock spring contact will be destroyed.  Retainer device	*129589012100
4	Perform power disconnect of high-voltage on-board electrical system.	Model 293 Model 253.311/353/354/911/953/954 Model 213.016/050/053/054/216 Model 205.012/013/047/053/054/147/212/213/247/253	AR47.70-P-1000EQ AR54.10-P-1150LVH AR54.10-P-1150LHV AR54.10-P-1150LW
5	Remove front wheels.		AR40.10-P-1102A
6.1	Remove rear and center section of lower engine compartment lining.	Model 205, 253 (except 253.992/993) Model 213 Model 205, 253 (except 253.992/993) Model 213	AR61.20-P-1105LW AR61.20-P-1105LWE
6.2	Remove rear and front section of lower engine compartment lining.	Model 293	AR61.20-P-1105EQ
7	Remove tie rods from steering knuckles.		AR46.40-P-0200LW
8	Remove steering coupling from steering shaft.	Model 205.0/1/2, 213, 253 (except 253.992/993) with code 700 (Vehicle production location China) Model 205.0/2/3/4, 213, 253 (except 253.992/993) except code 700 (Vehicle production location China) Model 293  Model 205.0/1/2, 213, 253 (except 253.992/993) with code 700 (Vehicle production location China)Self-locking bolt, steering coupling to lower steering shaft  Model 205.0/2/3/4, 213, 253 (except 253.992/993) except code 700 (Vehicle production location China) Model 293 Engine mount wrench set	AR46.10-P-8000-01LWA AR46.10-P-8000-01LW *BA46.10-P-1003-01N *001589011600

9	Disconnect electrical connectors (1).		
10	Detach steering wiring harness holder (2) at left and place to one side.	Model 205, 213, 253 (except 253.992/993) except code M005 (Vehicles with 4MATIC/all-wheel drive)	
11	Open cover (8) at connecting point and fold to one side.	Model 205, 213, 253 (except 253.992/993) with code M005 (Vehicles with 4MATIC/all-wheel drive)	
12	Support rack-and-pinion steering (3) and secure against falling down.		
13	Unscrew screws (4, 5, 6) and remove rack-and-pinion steering (3).	<p>i Model 205, 213, 253 (except 253.992/993) except code M005 (Vehicles with 4MATIC/all-wheel drive)</p> <p>Installation: Transfer retaining clip for steering wiring harness bracket (2).</p> <p>i Installation: Replace the bolts (4, 5, 6) and mounting plates (7). Fit the bolts (4, 5, 6) first, and then tighten in the following sequence: Bolts (4), bolts (5), bolts (6).</p> <p>Nm Bolt, electric rack-and-pinion steering to front axle carrier</p> <p>Nm Screw/bolt, rack-and-pinion steering mounting plate to front axle carrier</p>	<p>*BA46.20-P-1001-01Q</p> <p>*BA46.20-P-1002-01Q</p>
14	Remove steering coupling from rack-and-pinion steering (3).	When replacing the rack-and-pinion steering (3).	AR46.10-P-8000LW
	Check		
15	Check rack-and-pinion steering (3). Evaluating steering gear when repairing accident vehicles	<p>After repairing an accident vehicle.</p> <p>If a problem arises</p> <p style="text-align: center;">↓</p> <p>Replace rack-and-pinion steering (3).</p>	AH46.20-P-9409-01A
16	Install in the reverse order.		
17	Add new steering number of rack-and-pinion steering (3) to online vehicle data card via the Vehicle Documentation System (VeDoc).	<p>When replacing the rack-and-pinion steering (3).</p> <p>i Redocumentation is absolutely essential.</p>	
18	Perform chassis alignment.		AR40.20-P-0200LW

Nm Steering shaft

Number	Designation	Model 205	Model 213
BA46.10-P-1003-01N	Self-locking bolt, steering coupling to lower steering shaft	Stage 1 Nm	25
		Stage 2 Δ°	90

Nm Steering shaft

Number	Designation	Model 253	
BA46.10-P-1003-01N	Self-locking bolt, steering coupling to lower steering shaft	Stage 1 Nm	25
		Stage 2 Δ°	90

Nm Steering gear

Number	Designation	Model 205, 213, 238, 257 except code M005 (Vehicles with 4MATIC/all-wheel drive)	Model 205, 213, 238, 257 with code M005 (Vehicles with 4MATIC/all-wheel drive)
BA46.20-P-1001-01Q	Bolt, electric rack-and-pinion steering to front axle carrier	M8/M10 Stage 1 Nm	20
		Stage 2 Δ°	90
	M12	Stage 1 Nm	100
		Stage 2 Δ°	90

Nm Steering gear

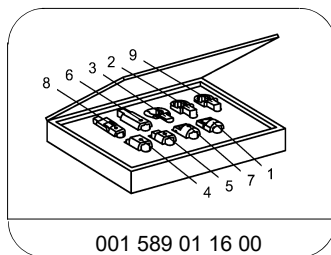
Number	Designation				Model 253	Model 293
BA46.20-P-1001-01Q	Bolt, electric rack-and-pinion steering to front axle carrier	M8/M10	Stage 1	Nm	20	20
			Stage 2	⌵°	90	90
		M12	Stage 1	Nm	100	100
			Stage 2	⌵°	90	90

Nm Steering gear

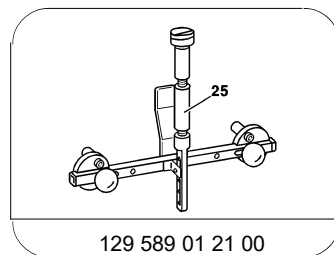
Number	Designation				Model 205, 213, 238, 257 except code M005 (Vehicles with 4MATIC/all-wheel drive)	Model 205, 213, 238, 257 with code M005 (Vehicles with 4MATIC/all-wheel drive)
BA46.20-P-1002-01Q	Screw/bolt, rack-and-pinion steering mounting plate to front axle carrier	M10		Nm	50	50

Nm Steering gear

Number	Designation				Model 253	Model 293
BA46.20-P-1002-01Q	Screw/bolt, rack-and-pinion steering mounting plate to front axle carrier	M10		Nm	50	50



Engine mount wrench set



Retainer device