

# Removal and Installation of Steering Shock Absorber

Job No.

46-10

## A. General

The Models 180, 180 a, 180 D, 190 D, 190 SL, 220 a, 219, and 220 SE are equipped with different steering shock absorbers (see Tables below). Apart from the standard steering shock absorbers special export type steering shock absorbers are available for countries where excessive dust conditions prevail; they are provided with a rubber sleeve as a protection against the penetration of dust and sand.

### Standard Version

Model	Steering shock absorber		Length mm (Shock absorbers compressed)	Remarks
	Part No.	Designation		
180 180 a, 180 b 180 D, 180 Db 190 D, 190 Db	000 463 07 32	Stabilus StdZ 20 x 150/12	268±1.5	For center tie-rod with straight bracket
190, 190 b	000 463 15 32	Stabilus T 20 x 135/3	253±1.5	For center tie-rod with curved bracket
190 SL	000 463 07 32	Stabilus StdZ 20 x 150/12	268±1.5	(1 <sup>st</sup> version) For center tie-rod with straight bracket
	000 463 15 32	Stabilus T 20 x 135/3	253±1.5	(2 <sup>nd</sup> version) For center tie-rod with curved bracket
219 220 a 220 S 220 SE	000 460 00 66	Stabilus T 20 x 125/3	251 <sup>+2</sup> <sub>-1</sub>	Steering shock absorber with ball pin

### Special Export Version

Model	Steering shock absorber		Length mm (Shock absorbers compressed)	Remarks
	Part No.	Designation		
180 180 a, 180 b 180 D, 180 Db 190 D, 190 Db	000 460 03 66	StdZ T 20 x 150/15	268±1.5	For center tie-rod with straight bracket
190, 190 b	000 460 04 66	T 20 x 135/5	253±1.5	For center tie-rod with curved bracket
190 SL	000 460 03 66	StdZ T 20 x 150/15	268±1.5	(1 <sup>st</sup> version) For center tie-rod with straight bracket
	000 460 04 66	T 20 x 135/5	253±1.5	(2 <sup>nd</sup> version) For center tie-rod with curved bracket
219 220 a 220 S 220 SE	000 460 05 66	T 20 x 125/7	251 <sup>+2</sup> <sub>-1</sub>	Steering shock absorber with ball pin

## **B. Removal and Installation**

### **I. Models 180, 180 a, 180 b, 180 D, 180 Db, 190 D, 190 Db, and 190 SL**

The removal and installation procedures for the steering shock absorber are the same as on Model 190; on cars with three-point engine suspension the support bolt for the steering shock absorber is attached to the chassis base panel and not to the front axle support.

### **II. Models 220 a, 219, 220 S and 220 SE**

On these models the steering shock absorber is not attached to the center tie-rod as on Model 190 but is connected to the steering gear arm by a ball pin (Fig. 46-10/1).

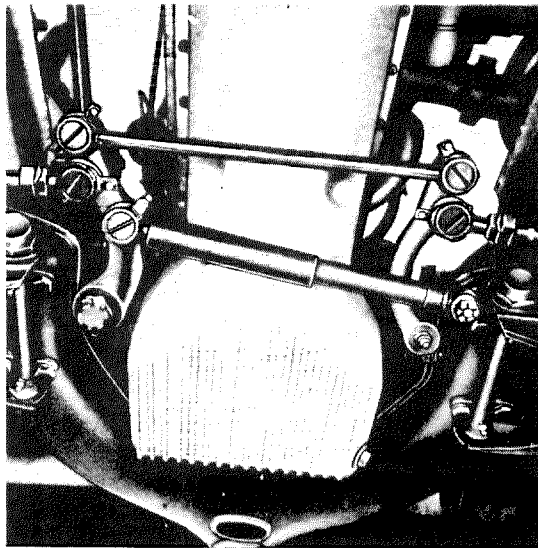


Fig. 46-10/1

When removing the steering shock absorber pull out the cotter pin, unscrew the castle nut and press off the ball pin from the steering gear arm with Fixture 186 589 10 33.

When installing the ball pin keep the cone free from oil and grease! Further procedures are the same as for Model 190.