

Removal and Installation of Brake Master Cylinder

Job No.

42-3

A. General

The brake master cylinders on the various models differ in the cylinder diameter (see table below) and the brake line connections.

On recent models the brake master cylinder is provided with a front bleed screw. Furthermore, on models with ATE Power Brake the brake light switch is installed on the ATE Power Brake and not on the brake master cylinder. On recent cars the fluid reservoir is made of transparent plastic.

Model	Brake master cylinder ϕ	in. mm		Remarks
180 180 a 180 b 180 D 180 Db 190 D 190 Db	without ATE Power Brake	1"	25.4	
190 SL 220 a 219	with ATE Power Brake T 50	1 1/16"	26.98	Model 220 a as from Chassis End No. 55 13000, Model 190 SL as from Chassis End No. 65 01957 have ATE Power Brake T 50 as standard equipment
220 S	with ATE Power Brake T 50	1 1/16"	26.98	Brake master cylinder installed as standard equipment on Model 220 S up to Chassis End No. 85 19002, on Model 220 SE up to Chassis End No. 85 00217
220 S 220 SE	with ATE Power Brake T 50/12			
220 S 220 SE	with ATE Power Brake T 50/12	1 1/8"	28.57	Brake master cylinder installed as standard equipment on Model 220 S as from Chassis End No. 85 19003, on Model 220 SE as from Chassis End No. 85 00218

B. Removal and Installation

On Models 180 to 220 SE the removal and installation procedures for the brake master cylinder are the same as on Model 190. On Models 220 a, 219, 220 S, and 220 SE make sure that new copper sealing rings are used for the hollow screw when the annular nipple is screwed to the brake master cylinder.

C. Brake Master Cylinder with Fluid Reservoir Attached

Models 180, 180 D, and 220 α

Installed in the following models:

Model	up to Chassis End No.
180	45 17418
180 D	45 12617
220 α	45 01933

This brake master cylinder is attached to the bracket by means of a hexagon nut and a lock washer. A brake master cylinder with separate fluid reservoir can only be installed subsequently if a new bracket is welded to the chassis base panel and if the stay rod, the compensating spring, and the return spring for the clutch actuating mechanism are replaced.