

Brake System

Job No.
42-0

Description of Brake System

The brake system is essentially the same as on Model 190; all deviations are listed below.

I. Models 180, 180 a, 180 D, and 190 D

On these models the brake shoes are 50 mm wide. Adjustment eccentrics for adjusting the brake shoes are provided on the brake anchor plate. The brake drums are of grey-cast iron without radial fins.

II. Models 180 b, 180 Db, and 190 Db

On the front axle the brake shoes are 65 mm wide, and on the rear axle they are 50 mm wide. The brake system is provided with eccentric adjustment. The front wheel brake has grey-cast iron drums with radial fins, the rear wheel brake has grey-cast iron drums without radial fins.

The anchor pins for the front axle brake shoe suspension are no longer attached to the brake anchor plate but to the wheel brake cylinder. As a result better contact is achieved between the brake shoes and the contact plate of the brake anchor plate.

III. Models 219, 220 a, 220 S, 220 SE and 190 SL 1st version

The cars of these models are provided with brake shoes 65 mm wide and with automatic adjustment. All cars provided with ATE Power Brake as standard equipment have Alfin front brake drums and grey-cast iron rear brake drums with radial fins.

IV. 190 SL 2nd Version

In the case of the 2nd version of the front wheel brake the brake shoes are no longer attached to the brake anchor plate, but to the wheel brake cylinder as in the case of Models 180 b, 180 D, and 190 Db.

V. ATE Power Brake

Models 190 SL, 220 a, 220 S, and 220 SE are provided with ATE Power Brakes as standard equipment, with the exception of a few older cars of Models 190 SL and 220 a. The ATE Power Brake can be installed subsequently on these cars and can also be installed as optional equipment on all models with the exception of the diesel engine models.

VI. Hand Brake

The arrangement of the hand brake is the same on all models.