

Installation

The brake shoes are installed in reverse order, observing the following points:

1. Refer to special instructions on repair work on the brake system (page T 17).
2. Install brake shoes with parking brake actuating lever and pressure rod in correct position.
3. Correctly attach return springs (see fig. 23).
4. Tighten rear axle nut with 360–370 lbs.ft. (50–55 mkg) and secure with cotter pins.
5. Adjust foot and parking brake. Check entire brake system for perfect effectiveness.

Special Notes on Repair Work on the Brake System

1. Brake shoes cannot be relined with the commercial means available in service stations, since the brake linings are bonded acc. to a special method. When replacing brake shoes, use only complete brake shoes and linings.
Replacement brake shoes are available: With normal linings of .28" (7 mm) thickness, for a brake drum inner diameter of 11.024" to 11.062" (280 to 281 mm); with oversize brake linings of .30" (7,5 mm) thickness, for a brake drum inner diameter of 11.062" 281 to 282 mm).
2. Care should be taken to ensure that one vehicle is equipped with 8 brake shoes and brake linings of identical design and material and that they meet the factory specifications.
3. A temporary deviation is only permitted, if there is a difference between both front wheel brakes and both rear wheel brakes. Discrepancies regarding the right and left front wheel brake or the right and left rear wheel brake are not allowed.
4. The brake drums of two opposing wheels should have equal inner diameters. Differences are limited to 0.2 mm.
5. When doing work on the brake system avoid the brake linings and the braking surfaces in the brake drums getting into contact with oil or grease.
6. In order to obtain optimum effectiveness of new brake shoes, it is recommended to mark the lining surface with dry chalk (no oil chalk) and to refinish the brake lining according to the surface appearance obtained. When doing this, be careful not to remove more than 0.3 mm from the surface of the new brake lining.

Removing and Installing Front Brake Back Plate

Special tool: P 30

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Removal

1. Jack up car, remove front wheel.
2. Remove brake drum (2 St).
3. Remove brake shoes and return springs, pressure springs, collars and dowel pins.
4. Loosen brake hose on wheel brake cylinder.
5. Remove securing wire on retaining bolts and unscrew brake back plate.
6. Remove brake back plate and separate it entirely from the brake hose by turning it.
7. Unscrew wheel brake cylinder and connecting line from brake back plate.

Installation

The brake back plate is installed in reverse order, observing the following points:

1. Tighten wheel brake cylinder in correct position, the piston side points towards sense of wheel rotation when driving forward.
2. Clean contact surfaces of stub axle and brake back plate.
3. Check brake back plate for proper condition (deformation and collision).