

Removal and Installation of Disc Brakes

Front Wheel Brakes

Removal

1. Place car on stands and remove wheels.
2. Remove brake pad segments (refer to outline pertaining to replacement of brake pad segments, page ST 23, Points 2 to 5).
3. Loosen brake hose at brake caliper by one turn (prior to this, prop brake pedal in slightly depressed condition to avoid brake fluid spillage).
4. Remove brake caliper retaining bolts, withdraw brake caliper, and detach brake hose.

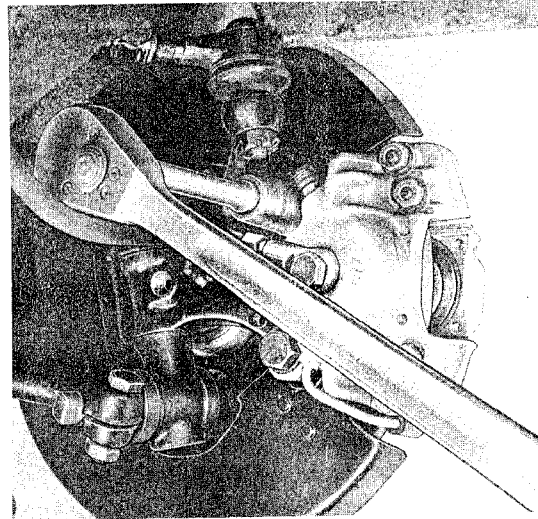


Fig. 12

5. Remove grease cup by using two large screwdrivers (remove cotter key from speedometer drive in left grease cup.)

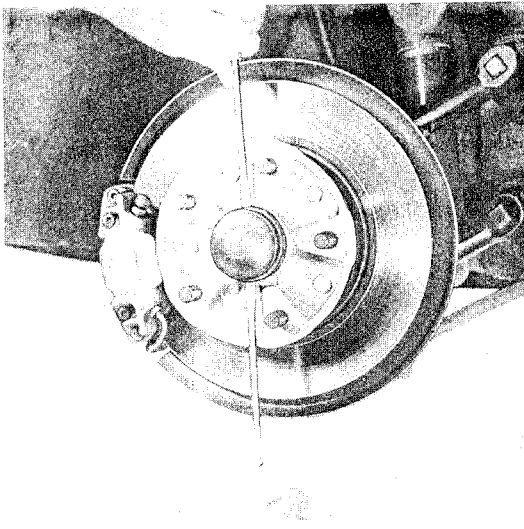


Fig. 13

6. Loosen Allen-head bolt in clamping nut and unscrew clamping nut.

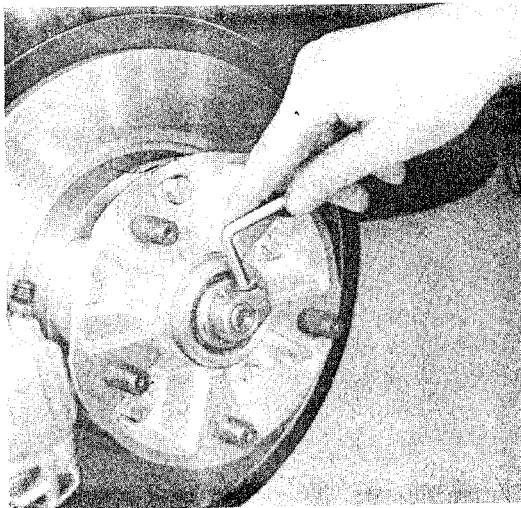


Fig. 14

7. Holding the brake disc with both hands, withdraw with a quick draw; if disc does not come off, use a puller but in no case should the disc be hammered on.

8. Undo safety locks which secure disc shroud retaining bolts, remove bolts and disc shroud.

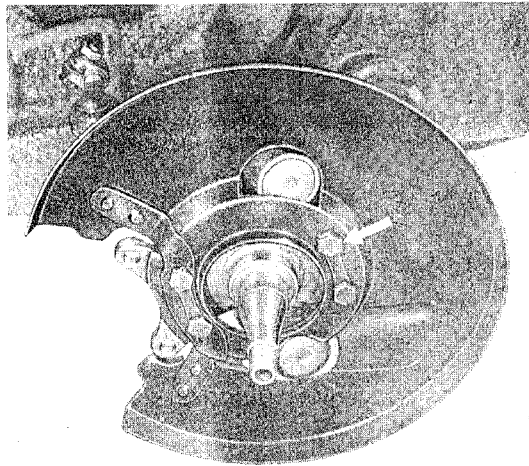


Fig. 15

Installation

The front wheel brake disc is installed in the reversed order of the above by noting the following points:

1. Clean all parts from dirt and grease.
2. Check wheel bearing, spacer, and seal for serviceability, replace if necessary.
3. Fill bearings with about 50 cm³ or 45 g (3cu. in. or 1 1/2 oz.) of multi-purpose Lithium grease as indicated in the lubrication plan.
4. Use new safety lock plates and tighten disc shroud retaining bolts to 2,5 mkg (18,1 lbs/ft).
5. Ensure that the wheel bearings are properly adjusted, as outlined in the basic volume of the 356 B Workshop Manual, Section 4 ST, page S 11.

6. Maximum permissible lateral whip of the brake disc is 0,2 mm (.079 in.). Fig. 16 shows method of checking lateral whip.

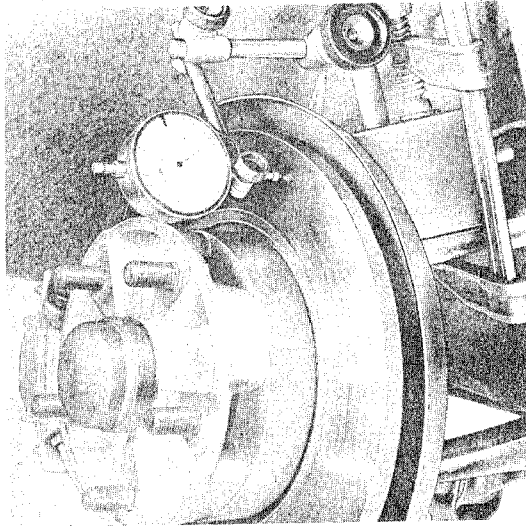


Fig. 16

7. Tighten brake caliper retaining bolts (front) to 7,8 mkg (56.4 lbs/ft); use new spring washers.
8. Install all brake pad segments in their original locations.
9. Bleed brakes.