

FRONT BRAKES

DESCRIPTION (See Fig. 5)

The front brake assembly has two leading shoes which are operated by two single acting wheel cylinders situated diametrically opposite one another and connected by a bridge pipe.

The leading or toe end of the brake shoes are expanded by the pistons of the wheel cylinders and the abutments at the trailing ends of the brake shoes are angled to a precise degree, thus the brake shoes will slide as they expand and a more efficient use is made of the whole lining area.

The combination of wheel cylinder piston thrust and the effort induced by the rotating drum impinges on the angled abutment causing an outward movement of the brake shoe at the abutment or heel end similar to that of the leading or toe end. Thus the pressure over the lining area becomes equal, increasing the braking efficiency, equalising wear and temperature over the whole lining area.

Steady posts and leaf springs, fitted through the brake back plate and each brake shoe web, hold the brake shoes against the platforms pressed in the back plate, thus obviating any loss of brake shoe travel due to tilting.

Pull off springs are fitted between each brake shoe, adjacent to the wheel cylinder body and the brake back plate.

FRONT BRAKE SHOES

Always fit factory lined replacement brake shoes and new pull off springs. The brake shoes have the correct type of lining and are ground accurately to size, thus ensuring an easy and quick bed-in to the brake drums.

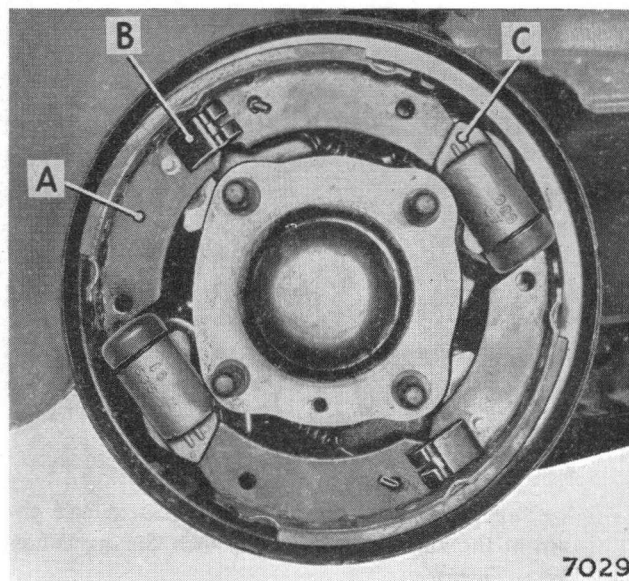


Fig. 5. Right-hand front brake assembly

- A. TOE END OF BRAKE SHOE
- B. LEAF SPRING OF STEADY POST
- C. ANGLED ABUTMENT OF WHEEL CYLINDER BODY

To remove and refit (See Fig. 5)

1. Apply the handbrake, jack up the front of the car and remove the roadwheel.
2. Remove the brake drum from the hub by slackening off both brake shoe adjusters and withdrawing a countersunk screw.
3. Remove the leaf springs and steady posts from the brake shoe and back plate by holding the head of the post while compressing the leaf spring and sliding it sideways.