

LOCKHEED Hydraulic Brakes

SINGLE CYLINDER

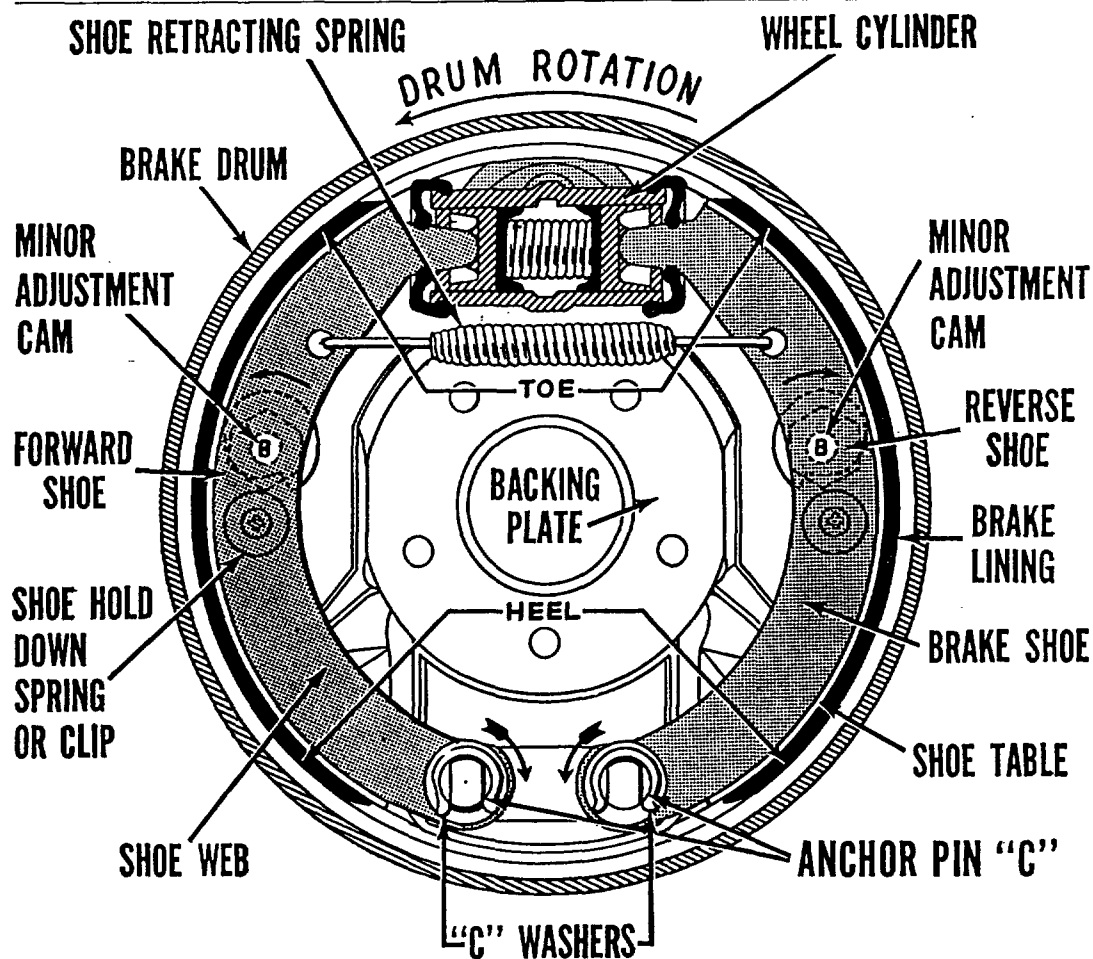


Figure 20

Lockheed Hydraulic Brake

The Lockheed hydraulic brake consists of two shoes, each separately pivoted on a rigidly held, adjustable anchor pin. These anchor pins can be turned to control the drum-to-lining clearance at the heel of the shoe. The clearance at the toe of the shoe is controlled by an eccentric cam near the actuating cylinder and can be adjusted from the reverse side of backing plate. The shoes are held against the adjusting cams by the tension of the retracting spring.

The activating power unit in this brake is the hydraulic cylinder which expands both shoes against the drum with equal force, except where step-bore cylinders are used.

Since 1935 many cars have been equipped with step-bore wheel cylinders. In one case the large cylinder end is used on reverse shoe to equalize lining wear. In another case the large cylinder end is used on the forward shoe to reduce pedal effort.