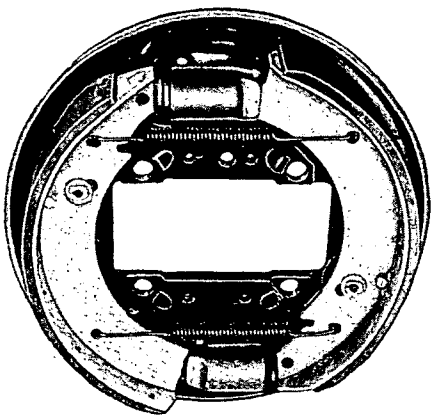
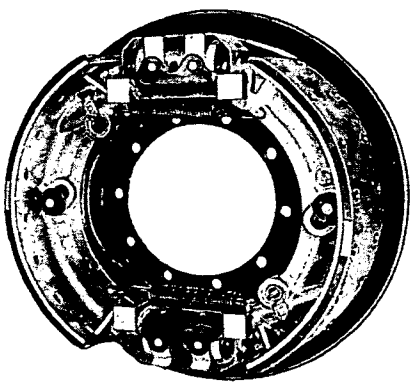
WAGNER SELF-CENTERING BRAKES

Types F, FR, FR2, FR2S, FR2SD



F



FR

Description and Application of F Brake

Type "F" self-centering brake is a Floating Shoe type, having two identical shoes, so arranged that their toes are diagonally opposite. Two single end wheel cylinders are placed diagonally opposite between the shoes. The cylinders are open at one end for activation. The other end closed and designed to provide an anchor block for the opposite shoe heel, thus providing a fulcrum around which the shoe heel pivots when the brakes are applied. Due to this action both shoes are forward acting, (Primary shoes) self-energizing in the forward direction of drum rotation. This type brake is generally confined to front axle application in conjunction with FR type brakes on the rear axle, which provides a more effective brake in reverse than the "F" type.

Adjustment of "F" Type Brake

Make all adjustment with drums cool and wheel bearing properly adjusted. On back side of the backing plate, located diagonally opposite each other, are 5/8" hex bolt heads attached to a cam lift. Place wrench on hex head and rotate in direction of FORWARD wheel rotation until lining drags. Move wrench in opposite direction for working clearance (1" to 1½" movement through arc swung by 8" wrench). Repeat adjustment on other shoe.

Bleeding, follow instructions outlined in FR-2 Brakes.

Description and Application of FR Brake

The type FR self-centering brake with floating shoes is activated by two double end wheel cylinders arranged diagonally between the two shoes. The wheel cylinders are held in position by shoe anchor blocks which, in turn, are fastened to the backing plate, providing