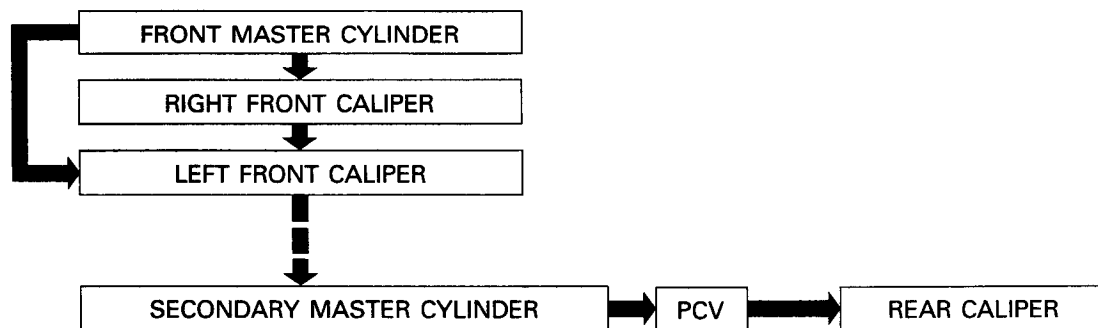
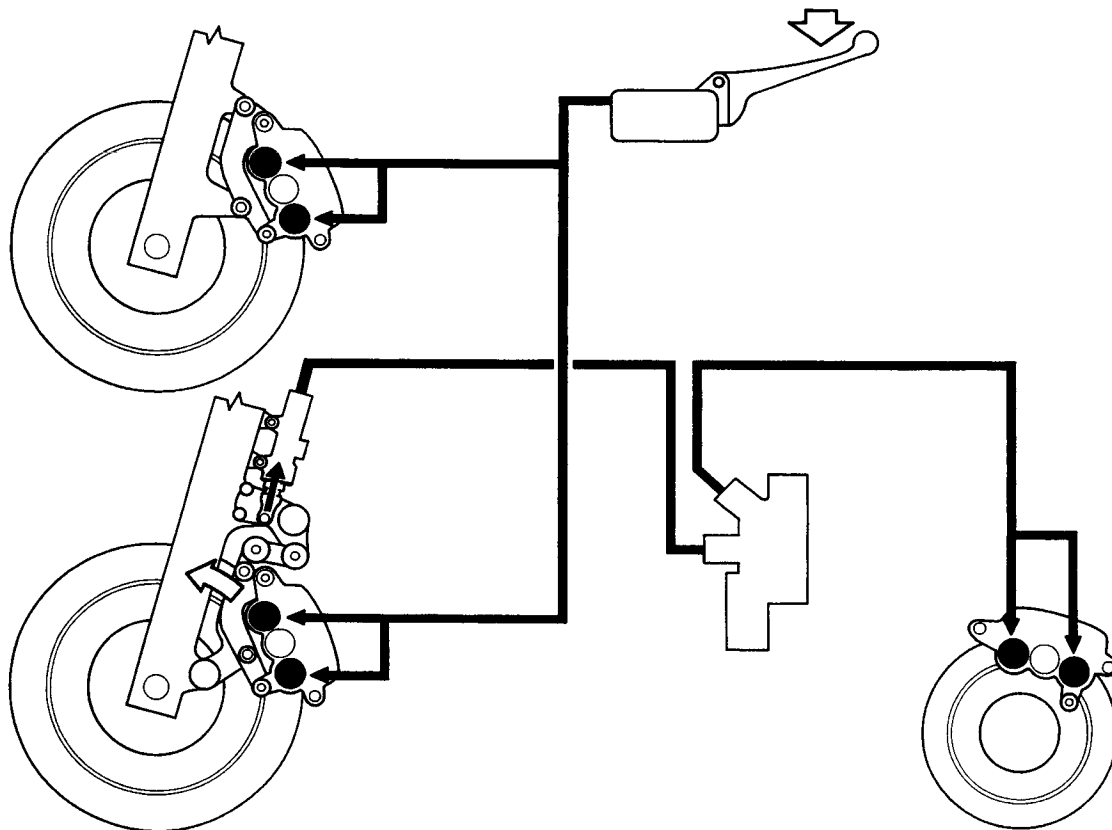


Operating Principles

Hand Brake



On initial operation, the hand brake works like any conventional motorcycle front brake system. A squeeze on the front brake lever pressurizes the master cylinder which transmits its increased hydraulic pressure to the two outer pistons of the front calipers, causing a corresponding braking force to be applied to the front wheel.

In response to the braking force applied by the front caliper onto the spinning brake rotor, the caliper is pulled in the direction of wheel rotation, around its lower linkage pivot. This forward caliper motion also acts on one end of a pivoting "L" angle link, the other end of which is connected to the secondary master cylinder. This direct pressure on the secondary master cylinder is then transmitted to the outer pistons of the rear caliper by way of the in-line proportional control valve.