

BRAKE SYSTEM

When the pressure in the system drops below the pressure exerted by the piston return spring, the check valve will be forced against its seat to stop the flow of fluid from the system to the master cylinder. Since the return spring has a predetermined tension, the check valve will close at this tension and retain a fixed pressure in the system at all times. This is necessary in order to hold the lips of the wheel cylinder cups against the cylinder bore, preventing fluid loss and air seepage into the system. At the same time, the brake pedal is now primed for the next brake application.

