

RESIDUAL PRESSURE VALVES

VL3702(2 LB) VL3710(10 LB)

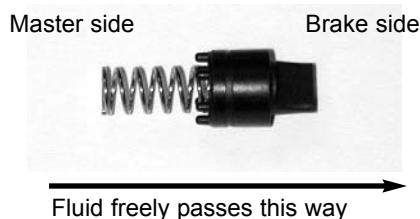
Residual pressure valves are required for the proper performance of your braking system. There are two different residual pressure valves with different ratings:

10 lb: A ten pound residual pressure valve is needed to the drum brake portion of your brakes to maintain a firm pedal. The springs in the drum system will pull the drum brake shoes back in away from the drums. The residual pressure valve maintains a pressure on the system to counteract the spring tension thereby keeping the shoes close to the drum. This allows instant activation of the drums giving a firm pedal.

2 lb: A two pound residual pressure valve is needed whenever the master cylinder is lower than the calipers. This prevents backflow of fluid from the calipers to the master. Failure to install this valve will give you a "spongy" pedal and a loss of front brakes over time.

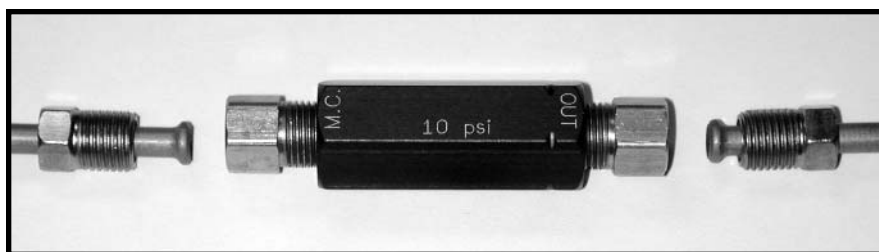
HOW DOES THE VALVE WORK

The residual pressure valve has a one way "duck bill" valve inside which allows fluid to pass in one direction freely while restricting the flow in the other direction. The spring inside will hold a residual pressure to a certain point and then release above that maintaining the calculated residual pressure.



The one way valve prevents fluid from passing back until the spring tension is overcome and reverse flow can occur. Depending on the spring rating this will be either 2 lbs or 10 lbs pressure. The valve will then close once this level is reached keeping the residual pressure on the other side.

INSTALLATION



To install the residual valve into the line, cut the line and re flare both ends with a double flare. Install and tighten.

MASTER POWER BRAKES

Revised 10102003