

What is a brake combination valve?

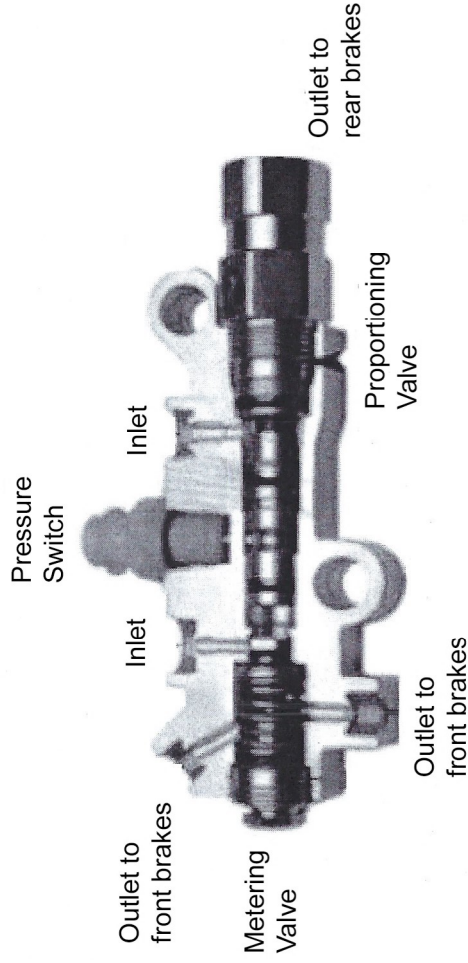
Definitino & Description

A Brake Combination/Proportioning Valve is exactly what it sounds like. It is a single unit that performs multiple functions. Its job is to acheive balanced braking on vehicles with disc brakes installed.

How do they work?

Most combination valves are mounted on the master cylinder/booster setup. they have 2 inlets from Master Cylinder: 1 for the front brakes and 1 for the rear. They also have 3 outlets: one for the rear brakes and 2 for the front.

Brake Combination Valve



Most proportioning valves perform 3 functions:

- 1) The Proportioning Valve keeps the rear brakes from locking up during a panic stop.
- 2) The Metering Valve delays the front brakes long enough for the fluid pressure to overcome the rear brake return springs.
- 3) A pressure switch sends an electral signal.

Most proportioning valves have a pressure switch. However, they are not all the same.

