

Residual Pressure Valve

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a **WABCO** company

FIGURE 1

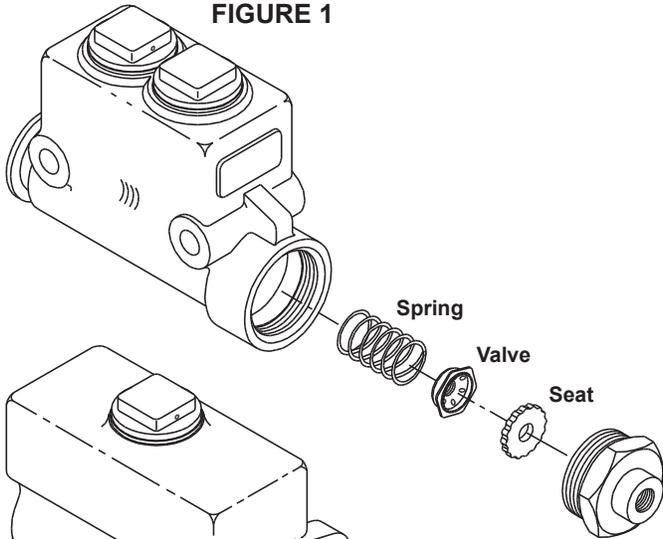


FIGURE 2

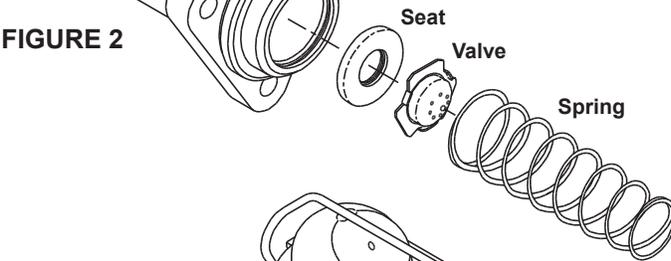
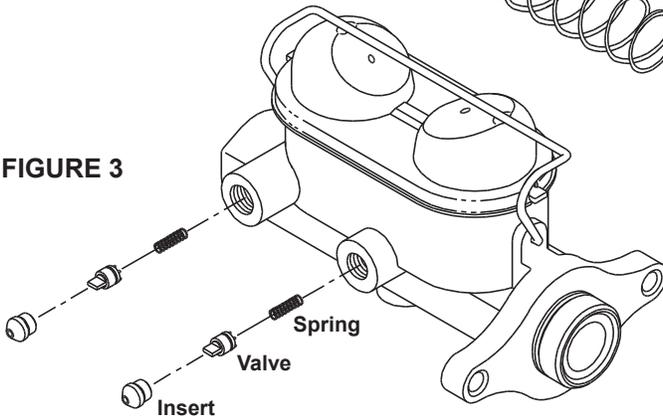


FIGURE 3



⚠ WARNING

Install new residual pressure valve components only if found in original power cylinder.

A disc brake master cylinder is different from a drum brake master cylinder and must not be interchanged.

Residual pressure valves are normally used in drum brake systems. These valves maintain a slight static pressure in the hydraulic system at all times, even when the brake pedal is released. Pressure will vary from 0.34-1.72 bar (5-25 PSI), depending on the system. This residual pressure holds the wheel cylinder piston cup lips tightly against the cylinder walls and prevents air from entering the system when it is at rest.

Residual pressure valves are seldom used in master cylinder outlets that connect to disc brakes. A disc brake system is normally free of residual pressure. If residual pressure is present in a disc brake system, it will hold the brake linings in contact with the rotor resulting in dragging brakes, overheating and unnecessary wear.

Master cylinder fluid levels must be checked periodically and clean fluid from a sealed container added as needed.

A brake system that requires frequent bleeding to maintain a firm pedal, may be an indication of an inoperative residual pressure valve.

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