

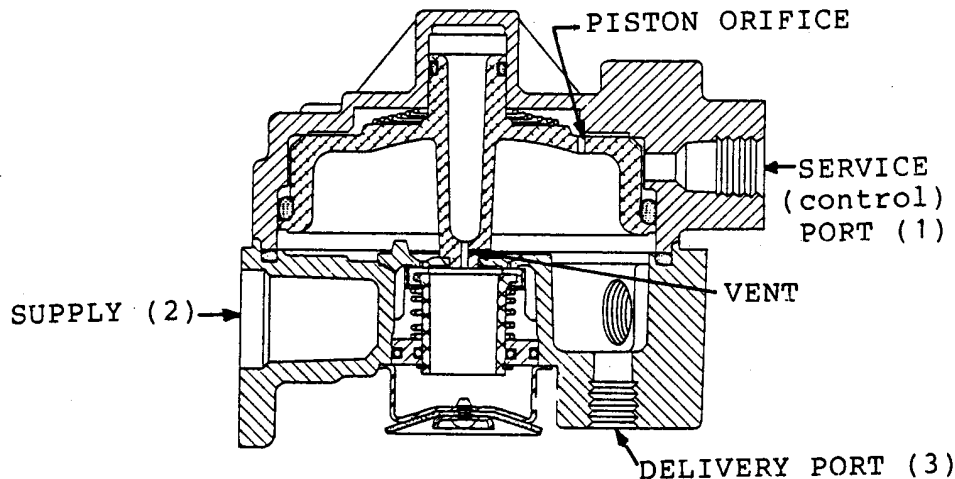
# Technical Bulletin

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Subject: **R-8P Pressure Equalizing Relay Valve**



The R-8P Pressure Equalizing Relay Valve is a special purpose device designed specifically to replace standard booster relay valves on semi-trailer converter dollies. Unlike the standard booster relay valve, which typically has a 2-4 psi differential between control and delivery, the R-8P has a 0 psi differential.

In the converter dolly brake system the R-8P reinforces the service brake application signal while eliminating the differential found in standard booster relay valves. Elimination of the differential assures that all trailer and dolly brakes will receive the same strength signal even during light brake applications.

By providing a balanced pressure signal to all trailer and dolly brakes, the R-8P aids in achieving overall vehicle brake balance and stability. It also substantially improves brake lining wear balance on combination vehicles by causing even the most distant brake to contribute its share of braking effort.

The R-8P is basically a variation of the standard R-8 relay valve (catalog page 03-B-4). The visual differentiation is that the R-8P does not incorporate a balance (anti-compound) port and has a projection with support gussets extending from the center of the cover.

When replacing the standard dolly booster valve with an R-8P, use service replacement part number 287114. (Refer to T.A.B.S. drawing BWS-846). When servicing the R-8P, use maintenance kit 103799.

**Bendix**  
Bendix logo consisting of the word "Bendix" in a bold, sans-serif font with a registered trademark symbol, positioned above a thick, black, curved line that forms a partial arc.