

Custom Towed Brake Actuator -- 2014 CRV

Pneumatically Operated from Electrical Compressor w/Single Action Cylinder

The Compressor and Vacuum Boost Pump must be turned ON with the COMP switch at the lower left of the dash. The red LED will flash continuously while COMP is turned ON..

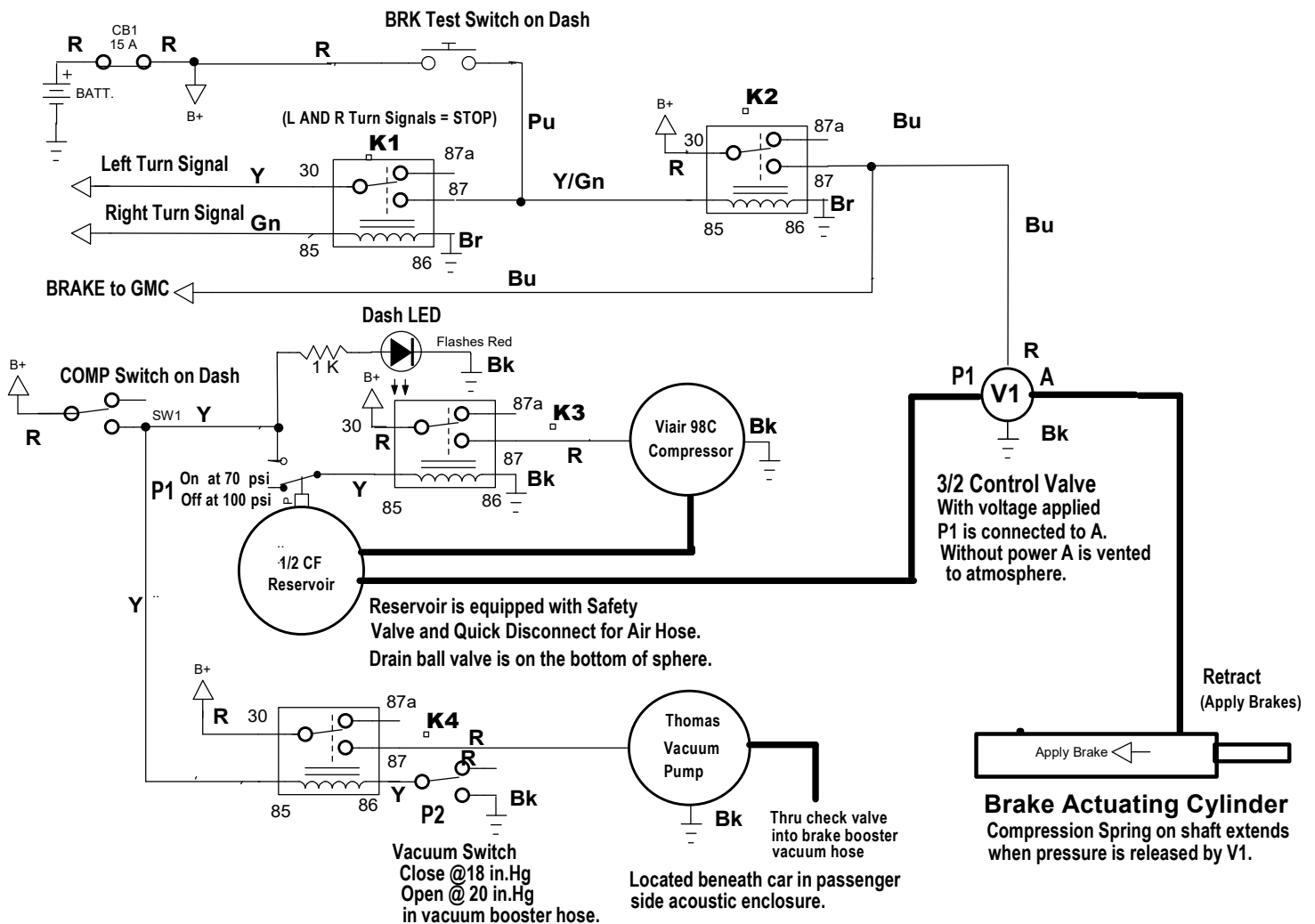
This toad brake will be activated (IF turned ON) when the Left AND Right turn signals (STOP) are ON on the towing vehicle (K1 performs an AND of the two signals). An unintended consequence of this mode of operation is that the brakes will apply and release in synchrony with the turn signals. That is generally not a problem since turn-making is not usually a "quick stop" situation.

All circuits' 12 VDC is supplied via CB1 (15A) mounted on the battery hold-down bracket.

The ball valve on the bottom of the reservoir MUST be opened periodically (30 days) to drain H2O.

This version 2 replaces a 3/5 V1 with a 3/2 V1, eliminating the active retraction feature. A spring added to the cylinder shaft extends, releasing the brakes, when V1 closes, removing air from the piston.

All circuits shown INACTIVE except that switch P1 indicates Reservoir contains 70+ psi and P2 indicates that the vacuum booster has >18 in.Hg vacuum.



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Author		Ken Henderson	
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