



## TiALsport Q/QR/BV50 BOV Static Testing procedure, with values.

These valves can be easily tested for proper operation and spring pack value, either on or off the vehicle.

### Suggested test procedure:

1. Disconnect signal hose from BOV, and attach 1inHG resolution hand vacuum pump.
2. Develop vacuum with the pump, noting the amount of vacuum required to lift the valve, just off the seat.
3. Compare that value to the chart to confirm the spring pack rating.
4. Continue to apply vacuum and confirm that the chamber seals completely, and that the valve opens fully.
5. Repeat steps 2-4 several times to confirm smooth operation with no issues.

### Test Values:

Spring pack rating	Opening Value	BOV Model	Color (to 1/15/12)	Color (from 1/16/12)
-12.0psi	-24.5inHG	Q/QR	N/A	Brown
-12.0psi	-24.5inHG	BV 50	Dark Pink	Yellow
-11.0psi	-22.4inHG	Q/QR	Dark Pink	Yellow
-11.0psi	-22.4inHG	BV 50	Plain	Plain
-10.0psi	-20.4inHG	Q/QR	Plain	Plain
-9.0psi	-18.3inHG	BV 50	White	White
-8.0psi	-16.3inHG	Q/QR	White	White
-7.0psi	-14.3inHG	BV 50	Black	Black
-6.0psi	-12.2inHG	Q/QR	Black	Black
-3.0psi (S/C only)	-6.1inHG	BV 50	Hot Pink	Green
-2.0psi (S/C only)	-4.1inHG	Q/QR	Hot Pink	Green