



Performance by
 **GIK turbo**[®]

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