



TiALSport QRJ 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	Color
-12.0psi	-24.5inHG	White
-11.0psi	-22.4inHG	Red
-9.0psi	-18.3inHG	Black
-8.0psi	-16.3inHG	Orange
-7.0psi	-14.3inHG	Bue
-3.0psi	-6.1inHG	Green
-1.5psi	-3.0inHG	Pink