

Z1 Q50 / Q60 VR30 HKS BLOW OFF VALVE KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2017+	Infiniti Q50
2017+	Infiniti Q60

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports Q50 / Q60 HKS Blow Off Valve Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	HKS Blow Off Valve Set
2	2	Cast Adaptor for HKS BOV w/ O-Ring
3	60 Inches	5mm Silicone Vacuum Hose
4	16 Inches	8mm Silicone Vacuum Hose
5	2	Vacuum T Fittings
6	4	Zip Ties
7	2	Clamps
8	1	Z1 BOV Hose - Driver
9	1	Z1 BOV Hose - Passenger
10	2	Throttle Body Coupler Set

TOOLS REQUIRED:

- Ratchet
- 7mm Socket/Wrench
- 8mm Socket/Wrench
- 12mm Socket/Wrench
- Snap Ring Pliers (if BOV isn't pre-assembled)
- Needle Nose Pliers

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

Remove contents from the Z1 Motorsports Q50 / Q60 HKS Blow Off Valve Kit and verify that ALL necessary hardware is present.

PROCEDURE:

1. Assure the car's ignition is in the OFF position and the NEGATIVE (-) battery terminal is disconnected.
2. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
3. Unlatch and raise vehicle's hood. Apply hood prop.
4. Remove engine cover by lightly pulling up at each corner.
5. Remove (8) bolts securing intercoolers to intake manifold.
6. Disconnect wiring connections at intercoolers.
7. Remove (2) clamps securing intercooler outlet to throttle body coupler.

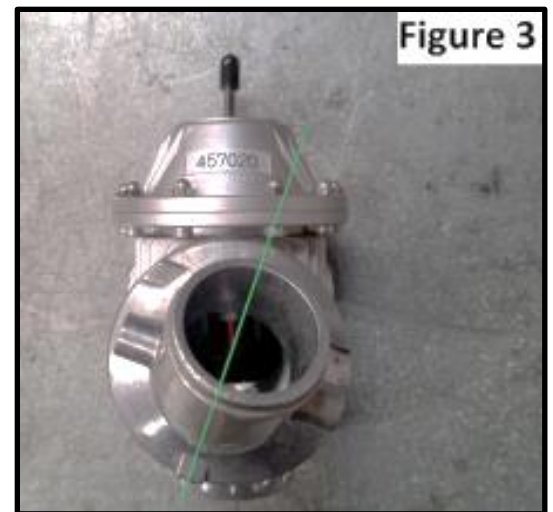
8. Remove (2) clamps securing turbo outlet to intercooler inlet coupler.
9. Remove intercooler to throttle body coupler.
10. Remove turbo to intercooler coupler.
11. Locate Z1 Q50/Q60 Silicone Couple set. They should be bagged with a part number on the outside of the bag. 17090-A (shorter) coupler is for the passenger side of the vehicle. 17090-B (longer) coupler is for the driver side.
12. Re-using your OEM clamps, install Z1 silicone throttle body to intercooler outlet couplers.
13. Re-using your OEM clamps, install Z1 BOV couplers. Refer to figures 1 and 2 for proper orientation.
14. Once Z1 BOV couplers are in the correct position, tighten all clamps.

If you purchased your BOV set pre-assembled from Z1, skip to Step #18.

15. Place O-ring into cast adapter.
16. Using snap ring pliers, place HKS BOV into cast adapter. Refer to figure 3 for proper orientation.

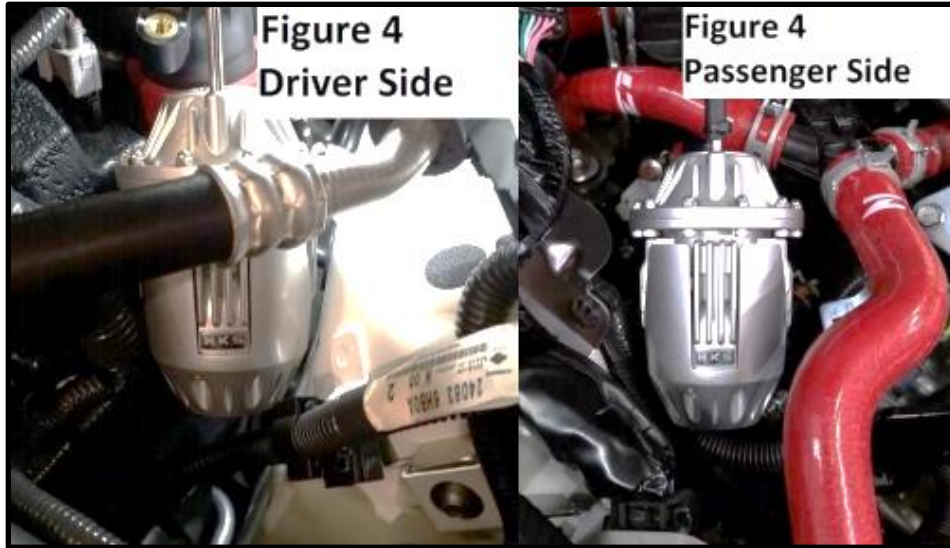
Note: Be sure the BOV is properly seated in the adapter. If the BOV is loose or not seated properly, it can leak causing a loss of boost pressure.

17. Repeat steps 15-16 for second HKS BOV.
18. Place supplied clamp onto silicone BOV adapter hose.



19. Install BOV into silicone hose. Refer to figure 4 for proper orientation.

Note: Be sure there is adequate space around the BOV so that it is not rubbing the body or wiring harness.



20. Once BOV's are installed and positioned correctly, tighten clamps.

21. Locate supplied T-fittings and silicone vacuum hose.

22. Locate OEM vacuum hose at the back of the intake manifold (figure 5). Remove OEM vacuum hose.

23. Place 8" section of Z1 8mm silicone vacuum hose on hardline, secure with clamp.

24. Place 8" section of Z1 8mm silicone vacuum hose on intake manifold vacuum nipple, secure with clamp.

25. Connect each section of silicone hose using supplied vacuum reduction T-fitting. Secure with HKS supplied zip ties (figure 6).



26. Place 26" section of Z1 5mm silicone vacuum hose onto open T and route under intake manifold towards front of vehicle (figure 7).



27. Place HKS supplied equal T-fitting into 5mm silicone hose.
28. Run 5mm vacuum hose from T-fitting to each HKS BOV. Clamp using HKS supplied zip ties.
29. Reinstall each intercooler and assure all electrical connections are back in place.
30. Reinstall engine cover.

Note: Trimming of the engine cover may be needed to clear the BOV.

31. Perform a final check of the install process and assure all clamps are tight and there is no contact between the HKS BOV and the body or wiring harness.
32. Perform a final test drive of the vehicle.

END

Additional Technical Support:

Contact Z1 Motorsports at info@z1motorsports.com
Or call 770-838-7777 between 9am and 6pm ET