

Product Name: Kompact Nissan PB BOV
 Product Description: Skyline GTS-t R32- R33,
 Skyline GT-T R34, Skyline GTR R32 – R34, GTR R35
 Product Number: TS-0203-1226



IMPORTANT NOTES:

- Please thoroughly read and understand these instructions before commencing this installation.
- The thread on the cap for the vacuum source is AN#3. The standard swivel nipple can be changed to a AN#3 fitting if desired.
- The Kompact Plumb back is designed to be open at idle and does not require adjustment.
- **The Nissan GTR series requires 2 Dual Port BOV kits to replace the 2 standard Bypass valves. Each BOV kit is sold separately.**

RECOMMENDATIONS

- **Turbosmart recommends that your Blow off valve (BOV) is fitted by an appropriately qualified technician**
- **Turbosmart recommends that a boost gauge be permanently fitted to the vehicle**

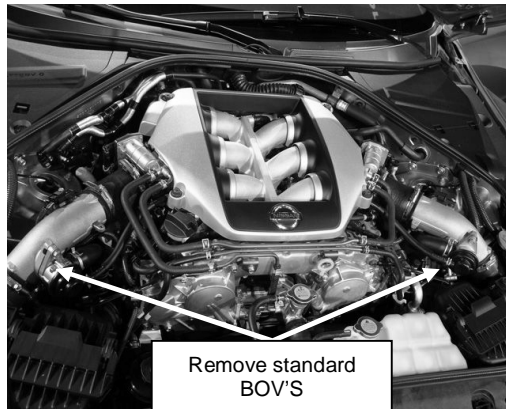
HOW TO INSTALL YOUR BOV

Please check that the following items have been provided in your kit.

Quantity	Description	Use
1	Kompact Nissan PB BOV	Model Specific Plumb back blow off valve
1	Gasket	To seal the BOV to the intercooler pipe

Installation on a R35 GTR

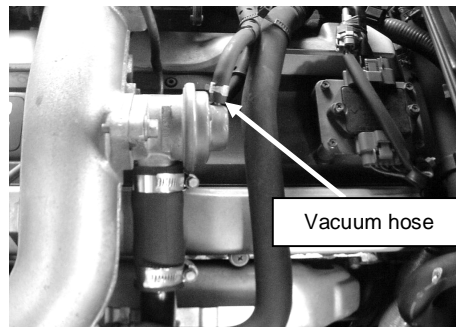
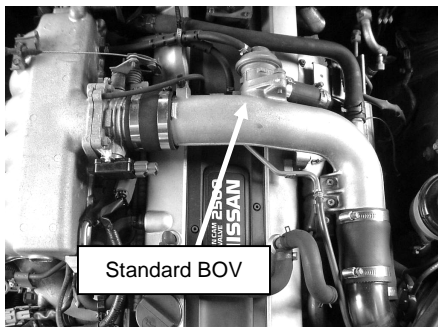
- 1) Remove the two standard BOV's by removing the securing bolts, plumb back hose and vacuum source.



- 2) Install the Kompact BOV's using the standard bolts. Remember to put in the provided gaskets between the flange and the BOV. Replace the plumb back hose and secure with the standard clamp. Refit the standard vacuum lines and secure with clamps. Start the car and check for leaks.

Installation on a Skyline GTS-t and GT-T (Diagrams from a R33 Skyline GTS-t)

- 1) Locate standard BOV on the inlet manifold. Remove the plumb back hose and vacuum nipple by removing the hose clamps. Unbolt the BOV flange and remove the standard BOV.



- 2) Install the Kompact BOV's using the standard bolts. Remember to put in the provided gaskets between the flange and the BOV. Replace the plumb back hose and secure with the standard clamp. Refit the standard vacuum lines and secure with clamps. Start the car and check for leaks.

Installation on a R32 – R34 Skyline GTR (2 Kompact Nissan BOV's are required to replace the 2 standard BOV's)

- 1) Locate the standard BOV's. On all GTR models, they are located on the left hand side of the front bumper bar.
- 2) Remove the pipe adapter with the two standard BOV's from the intercooler pipe. Access to this pipe might require the removal of the left hand head light and/or front bumper bar depending on the model.
- 3) Unbolt the two standard BOV's and replace them with the two Kompact BOV's. Remember to use the provided gaskets between the mounting flange and the BOV flange.
- 4) Reinstall the pipe and hook all necessary lines.
- 5) Start the car and check for leaks. Proceed in adjusting spring tension.

MAINTENANCE

Turbosmart recommends that the following maintenance procedure is carried out at six monthly intervals or at higher intervals if the environment is very dusty or wet. Regular maintenance will ensure that your BOV is operating at its peak performance and will extend the working life of the product.

- Remove the cap of the BOV by rotating in an anti-clockwise direction – CAUTION, the cap is under spring force, remove with care!
- Carefully remove the piston and thoroughly clean the piston and the bore of the BOV
- Inspect the surface of the piston and the bore of the BOV for scoring or excessive wear, silver coloured marks on the bore are an indication of excessive wear
- Check the Base O-ring and the Cap O-ring for any damage – replace if necessary
- Lubricate the bore and the piston with Uni-Glide™, hydraulic oil or sewing machine oil – DO NOT use grease or viscous oils
- Re-assemble the BOV in the reverse order

TROUBLE SHOOTING

The following points should be checked if you find that your engine is dipping below normal idle, stalling or if the BOV is functioning poorly. Please note: the following checks will cure 99% of problems experienced with a BOV.

- Check the vacuum hose for splits, cracks, loose connection, kinking or any obstruction – old or fatigued hose may collapse under vacuum causing an obstruction.
- With the engine running remove the vacuum / boost hose from the nipple in the cap of the BOV, there should a loud hissing sound. The engine should idle poorly, double check by covering the end of the hose with your finger – otherwise the hose is blocked.
- Check to see if the BOV is blocked or contaminated with dirt or debris.
- Ensure that the vacuum / boost source is not shared and that the vacuum source is directly from the inlet manifold.
- Check the seal between the intercooler flange and the BOV. Make sure the supplied gasket is installed and the BOV Flange is secured on the intercooler flange with the two factory bolts.
- Ensure the spring clamps are secured on silicon hoses and fittings.

The Turbosmart Pledge

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Returns: When returning a Turbosmart product for repair, it must be accompanied by a completed Customer Warranty Form and RMA number. To access this form please go to our website www.turbosmartonline.com and you will find it on the Downloads page.

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The Turbosmart Team.