

NISSAN 300ZX ATMO BLOW-OFF VALVE ADAPTOR INSTRUCTIONS

IMPORTANT NOTES ON FITTING YOUR BOV 300ZX ATMO ADAPTOR

Turbosmart recommends that your Blow Off Valve (BOV) and Adaptor kit is fitted by an appropriately qualified technician.

ADAPTOR KIT CONTENTS

Please check that the following items have been provided in your 300ZX ATMO adaptor Kit.

Qty	Description	Use
1	Aluminium Pipe L	Designed to replace factory boost hose and mount BOV on left side of engine
1	Aluminium Pipe R	Designed to Replace factory boost hose and mount BOV on right side of engine
2	2" Silicon coupler	Connects between supplied pipe and intercooler
2	2.25" Silicon coupler	Connects between supplied pipe and intake manifold
2	Pill	To block the Factory BOV return hose
4	40-60mm Hose clamp	Secures 2" Silicon couplers
4	50-70mm Hose clamp	Secures 2.25" Silicon couplers
2	25-40mm Hose clamp	Secures Pill in factory BOV return hose
2	250mm Cable Tie	To secure the vacuum hose assemblies from movement
2	5mm Spring clamp	Secures 5mm end of the vacuum/boost hose assembly onto the BOVs
2	6mm Spring clamp	Secures 6mm end of the vacuum/boost hose assembly to the vacuum sources
2	6mm Hose blanks	Blanks both 6mm factory vacuum/boost hoses
2	Vacuum hose assembly	Connects the factory vacuum sources to the BOVs

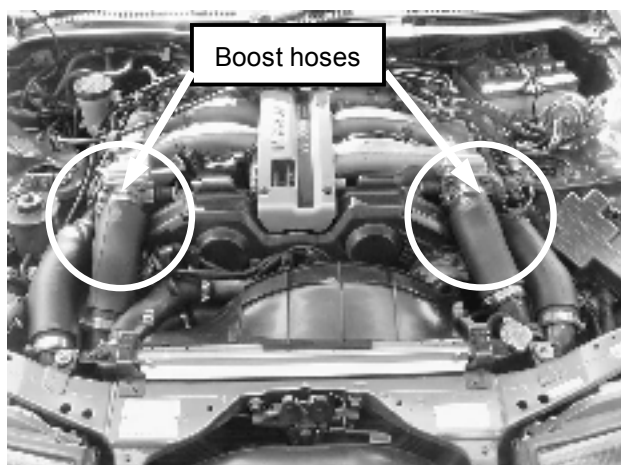
Note: This 300ZX ATMO Adaptor Kit readily accepts the following Turbosmart BOVs:

Blow Off Valve Name	Part No.
Blow-off Valve - Supersonic	FG-BOV-003SS
Blow-off Valve - Vee Port	FG-BOV-003VP

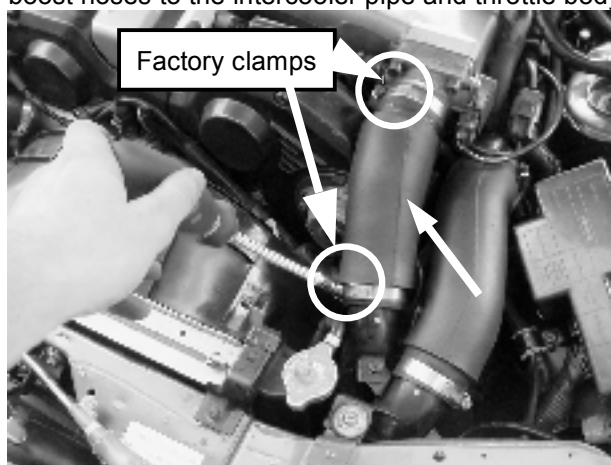
FITTING YOUR BOV 300ZX ADAPTOR

Note: Please thoroughly read and understand both these instructions and the fitting instructions supplied with your BOV before commencing this installation.

Step 1. Locate the two boost hoses.

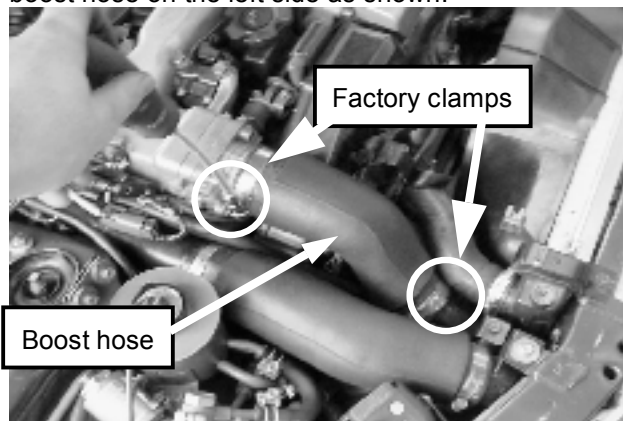


Step 2. Loosen the factory hose clamps securing the boost hoses to the intercooler pipe and throttle body.



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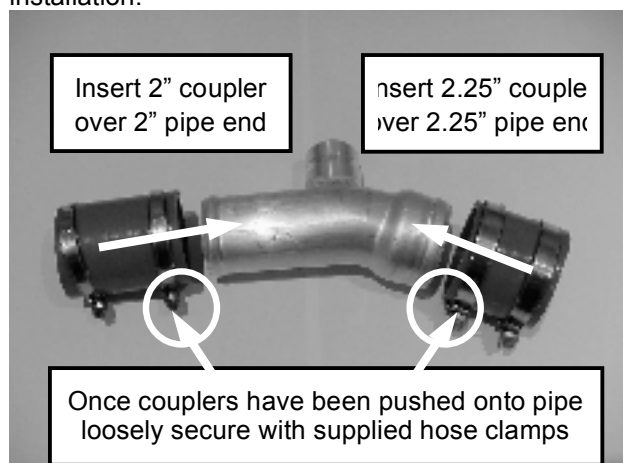
Step 3. Loosen the factory hose clamps securing the boost hose on the left side as shown.



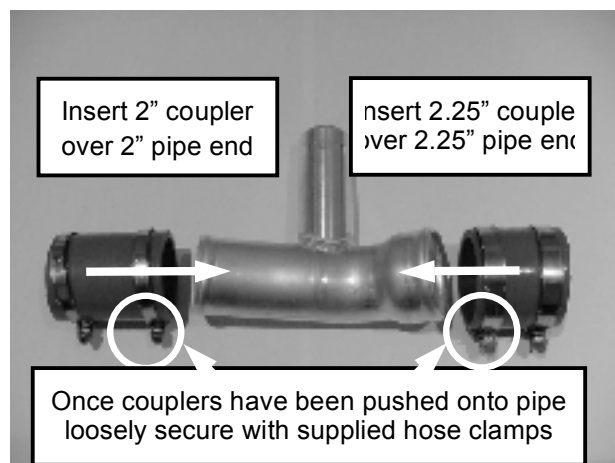
Step 4. Remove the boost hoses from both sides.



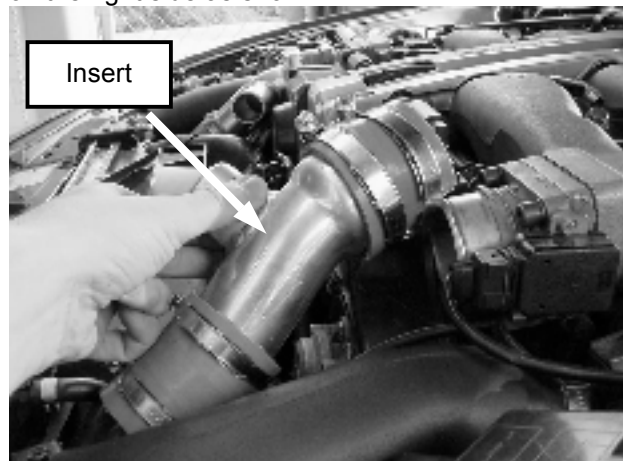
Step 5. Pre-assemble the right aluminium pipe, the 2" Silicon coupler and the 2.25" Silicon coupler as shown using the hose clamps supplied. Do not fully tighten clamps to allow some adjustment during installation.



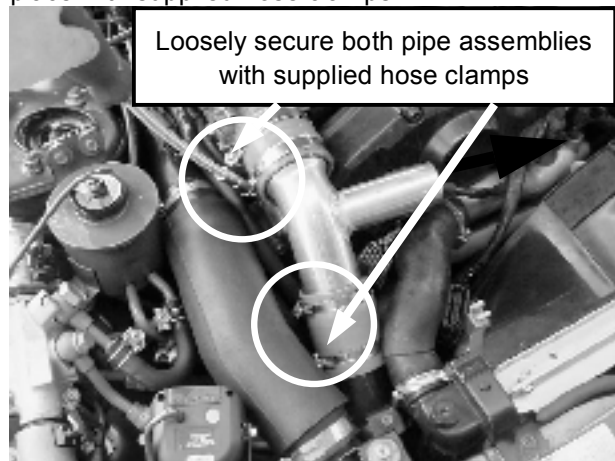
Step 6. Pre-assemble the left aluminium pipe, the 2" Silicon coupler and the 2.25" Silicon coupler as shown using the hose clamps supplied. Do not fully tighten clamps to allow some adjustment during installation.



Step 7. Insert pre-assembled pipe kits to replace the factory boost pipes just removed. Use the short pipe on the right side as shown.

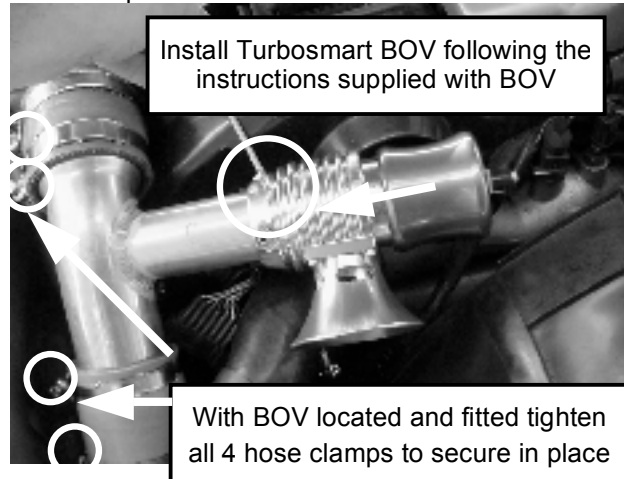


Step 8. Insert pre-assembled long pipe on the left side as shown. Only loosely secure both pipe assemblies in place with supplied hose clamps.

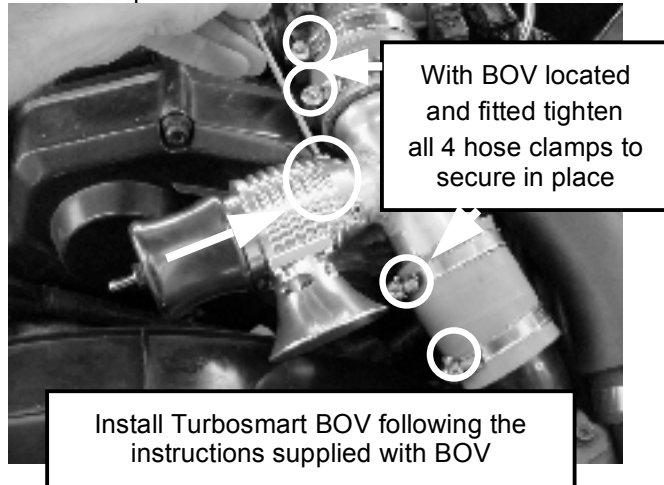


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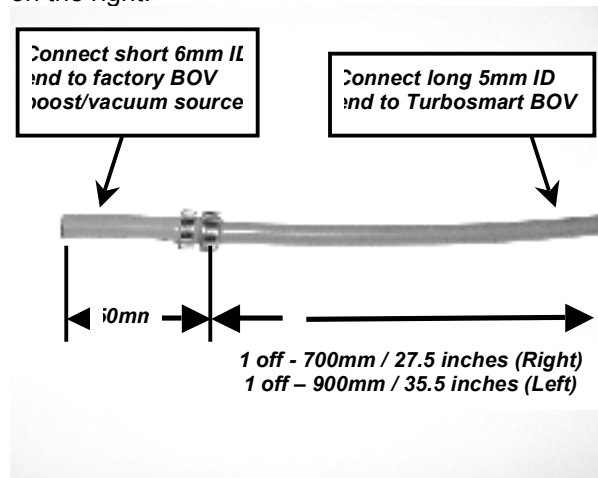
Step 9. Install your Turbosmart BOV onto the left side pipe by following the instructions included with the BOV. With the BOV located with adequate clearance between engine parts, tighten all four hose clamps to secure in place.



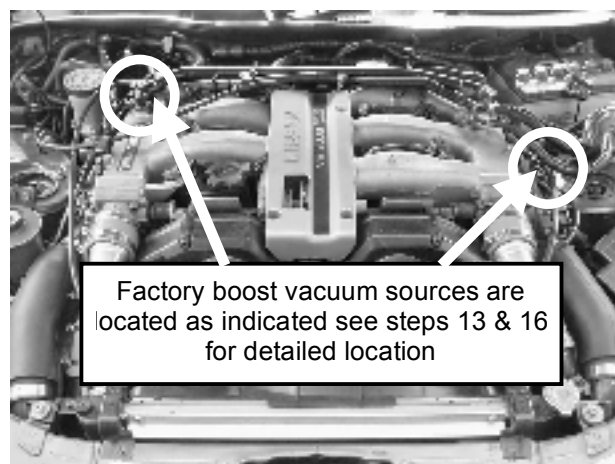
Step 10. Install your Turbosmart BOV onto the right side pipe by following the instructions included with the BOV. With the BOV located with adequate clearance between engine parts, tighten all four hose clamps to secure in place.



Step 11. Connect the two pre-assembled silicon hose assemblies as shown in the diagram below by following steps 12-17. The long 900mm version fits on the left side of the engine and the 700mm version on the right.



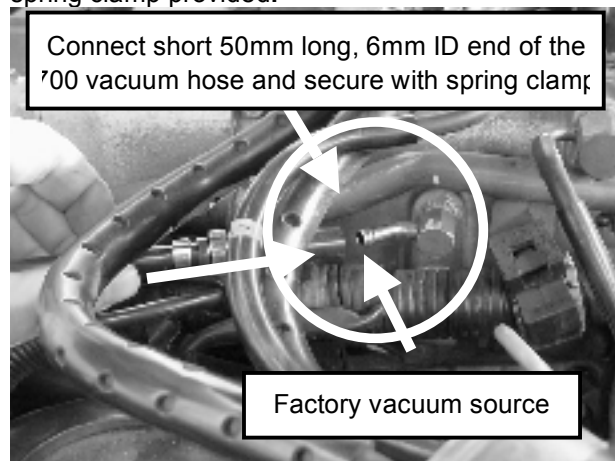
Step 12. Locate the factory boost/vacuum sources as shown below. See step 13 & 16 for detailed location.



Step 13. Locate and remove the factory vacuum hose on the right side of the engine.

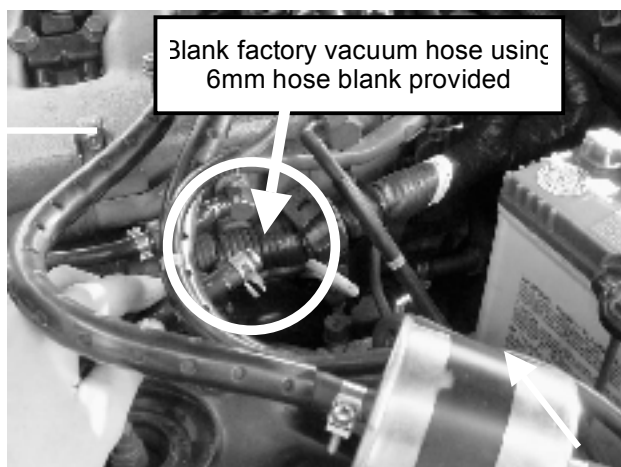


Step 14. Connect the 6mm ID end of 700mm long hose to the factory vacuum source and secure with 6mm spring clamp provided.

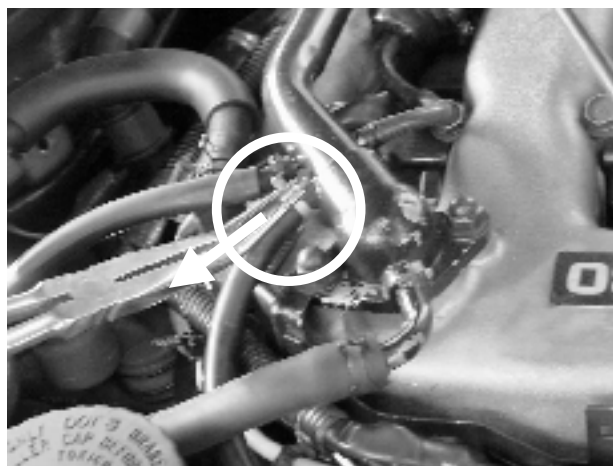


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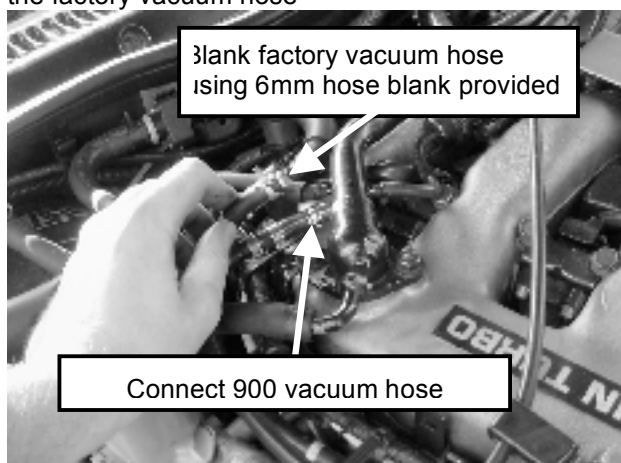
Step 15. Use 6mm hose blanks provided to blank off the factory vacuum hose.



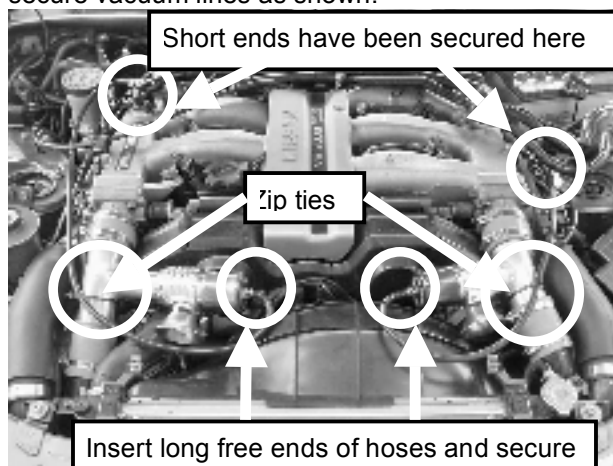
Step 16. Locate and remove the factory vacuum hose on the left side of the engine.



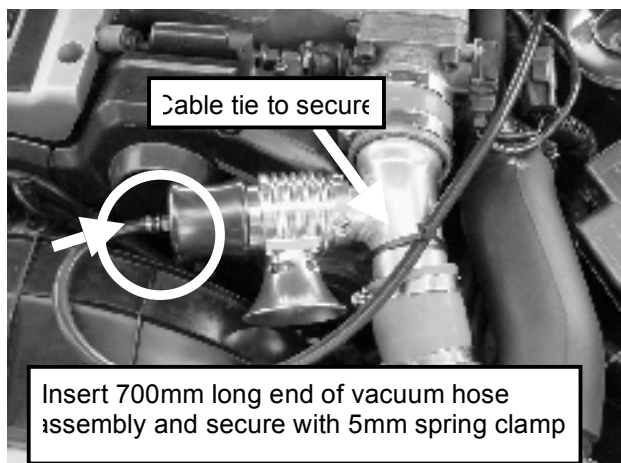
Step 17. Connect the 6mm ID end of 900mm long supplied hose to the factory vacuum source and secure with the other 6mm spring clamp provided. Use the other 6mm hose blank provided to blank off the factory vacuum hose



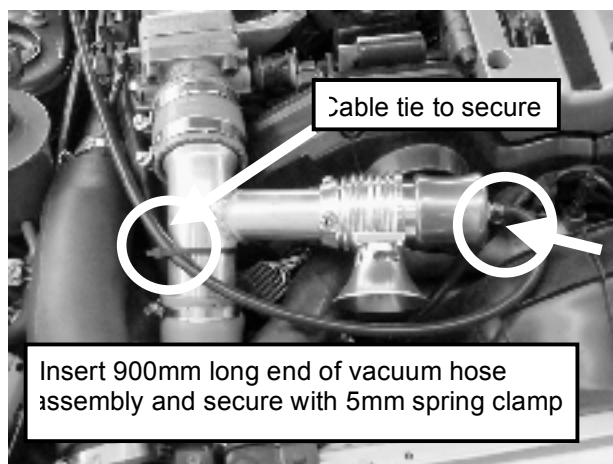
Step 18. Connect the 5mm ID ends of the silicon hose assemblies onto the BOVs and secure them with the 5mm spring clamps supplied. Use supplied cable ties to secure vacuum lines as shown.



Step 18A. Right side vacuum/boost hose connection detail.

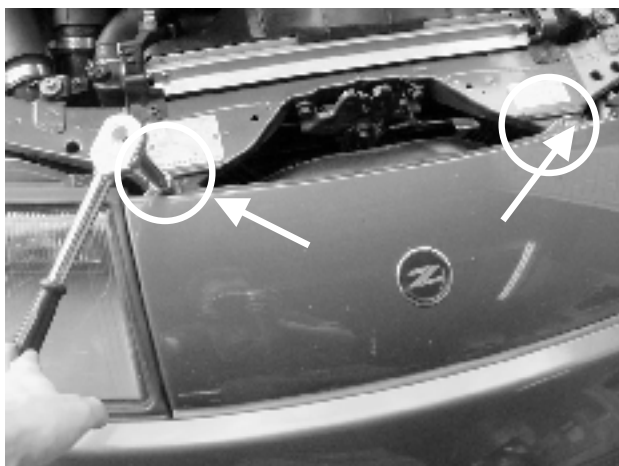


Step 18B. Left side vacuum/boost hose connection detail.

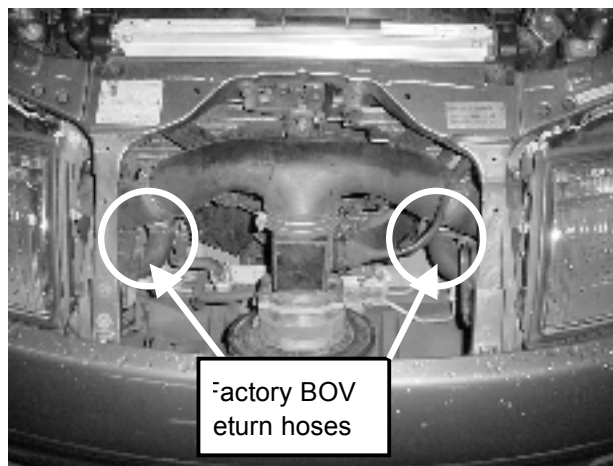


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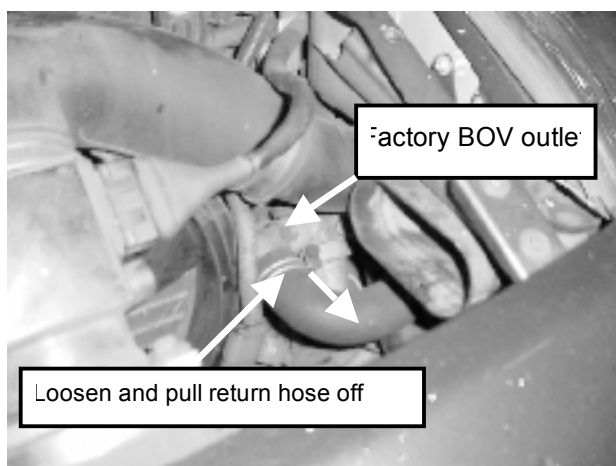
Step 19. Remove the front cover by undoing the two bolts shown using a 10mm socket.



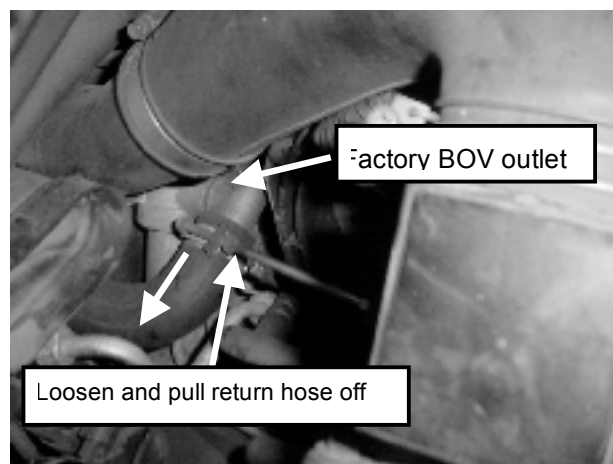
Step 20. Remove factory air-box and locate both return hoses of the two factory BOVs.



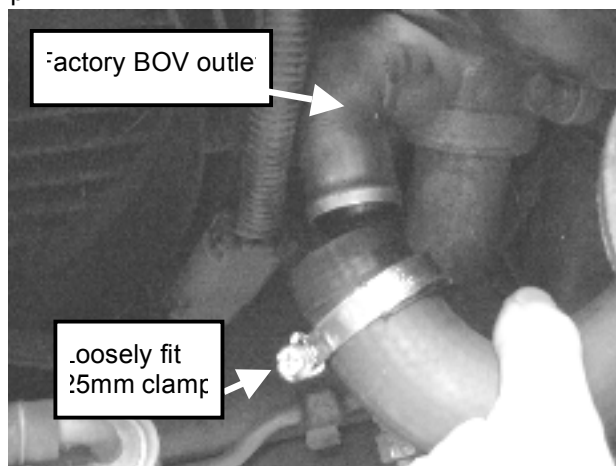
Step 21. Loosen and pull right return hose from the BOV end as shown.



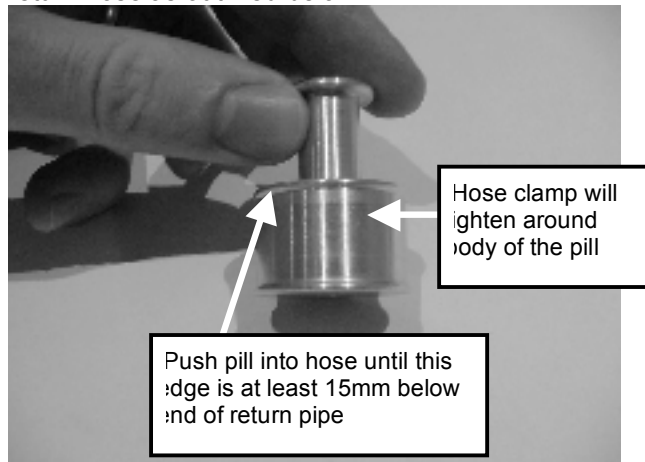
Step 22. Loosen and pull off left side return hose from the BOV end as shown.



Step 23. With both hoses off fit supplied hose clamp over free ends loosely. This will be used to secure the pill.

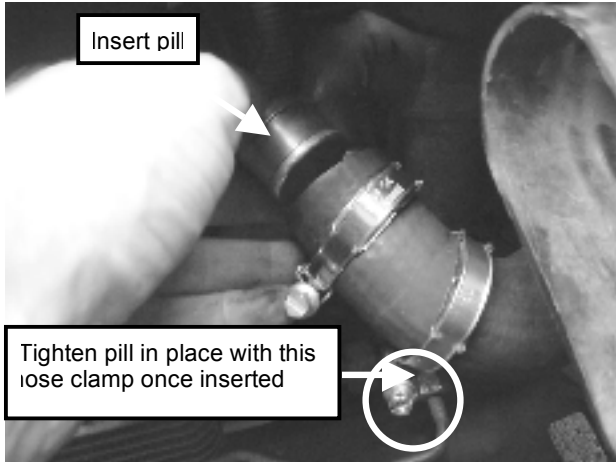


Step 24. Insert pill into the return hose as far as possible but at least 15mm down inside the silicon return hose as outlined below.

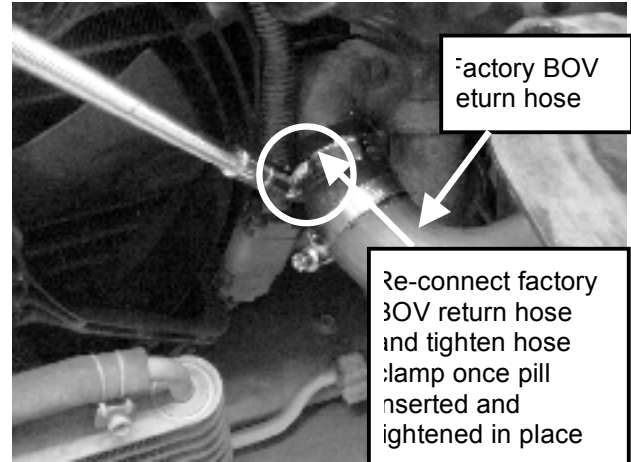


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Step 24A. Insert pill into return hose and tighten in place using the 25mm hose clamp at least 15mm down inside the factory return hose. Ensure pill is firmly secure and hose clamp is around the body of the pill.



Step 25. Re-attach return hose to factory BOV and tighten. Repeat the pill insertion steps 24,24A & 25 on left side factory BOV return hose.



Step 26. Replace the front cover and your installation is complete. Your 300ZX ATMO BOV Kit should look like this!



TROUBLE SHOOTING

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

- Check that the O-ring on the base of each of the BOVs is fitted correctly and are in good condition.
- Ensure that the BOV grub screws and lock-nuts are tightened on the adaptor pipes.
- Ensure the Adaptor pipes are fitted correctly and secured with the hose clamps supplied.
- Ensure both boost/vacuums hose assemblies are properly connected and secured with spring clamps supplied.
- Check that the pills are inserted and tightened in place blocking **both** the factory BOV return hoses and that the factory return hoses have been re-connected to the factory BOVs once the pills have been inserted.
- Check the factory boost hoses have been blocked with the Diameter 6mm blank and secured.
- Re-adjust the setting of your BOV. Please refer to your BOV fitting instructions for further information.

Warranty

Turbosmart warrants its products to be free from faults or defects for the life of the product. *
* Subject to Turbosmart trading terms and conditions

Warning!

Incorrect use of this product may result in damage to your vehicle. Failure to observe any notes or recommendations may result in incorrect use of this product. This product is intended for use in off-road racing only. Turbosmart will accept no responsibility for the incorrect use of this product.

Disclaimer!

Turbosmart will not be held responsible for any damage caused to property or person, directly or indirectly related to the use of any Turbosmart products.



PART NUMBER

NISSAN 300ZX ATMO BLOW-OFF VALVE ADAPTOR INSTRUCTIONS

THE TURBOSMART PLEDGE

DO NOT USE ANY TURBOSMART PRODUCT UNTIL YOU HAVE CAREFULLY READ AND UNDERSTOOD THE FOLLOWING AGREEMENT.

Please call if you have any questions or do not understand this agreement. Refer to our brochure, website or catalogue for terms and conditions and further information regarding your product. Turbosmart appreciates your business and pride ourselves on our customer service. We are always happy to offer you advice and will provide you with help in any way we can. The purpose of this agreement is to avoid any problems or hard feelings.

We sometimes make mistakes, as do our dealers, distributors and suppliers. Even customers can sometimes order the wrong parts. Do not use, modify, install, trial assemble, nick, drop, scratch or adjust any part until you first check for any damage. Damage must be reported immediately. NO EXCEPTIONS. If there are any components missing please contact your authorised reseller immediately upon receipt of your shipment. Missing components must be reported within five (5) business days of receipt. Parts returned for any reason MUST BE IN RESALABLE CONDITION. It is YOUR responsibility, "THE CUSTOMER" to carefully package any returns to avoid shipping damage. Insurance is highly recommended. Credit cannot be issued for damaged goods.

Turbosmart Pty Ltd warrants the quality of the products it designs and manufactures to be free of defects in material and workmanship. This limited warranty is extended only to the original purchaser and may not be transferred or assigned. This limited warranty applies to any product, which after careful inspection by Turbosmart Pty Ltd, after receipt of the product from our authorised reseller, is found to have a defect in either material or workmanship. Any modifications to the product will void any and all warranties and will not be exchanged. Before installation, check new car warranty. Turbosmart Pty Ltd is not responsible for voiding any original manufactures warranty.

All warranty claims must be returned to the authorised reseller, you must return the product and sales receipt, at your own expense, accompanied by a letter stating the reason for the claim. Proof of purchase must be provided with any warranty claim and will be verified with the authorised reseller from which the product was purchased.

If all the above procedures are followed, and the product is found to be defective in either workmanship or material, Turbosmart Pty Ltd shall either repair or replace the product, at its sole discretion, and sole cost. This limited warranty does not cover or apply to any personal injury, labour charges or any other incidental costs or damages caused by the defective product. The individual purchaser acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the individual purchaser agrees to indemnify Turbosmart Pty Ltd and to hold Turbosmart Pty Ltd harmless for any claim related to the item of the equipment purchased. Under no circumstances will Turbosmart Pty Ltd be liable for any damages or expenses by reason of use or sale of any such equipment.

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IN THE EVENT THAT THE INDIVIDUAL PURCHASER DOES NOT AGREE WITH THIS AGREEMENT THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UN-USED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN SIXTY (60) DAYS FROM THE DATE OF PURCHASE FOR A FULL REFUND.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE INDIVIDUAL PURCHASER HAS READ AND UNDERSTOOD THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

Happy motoring!

The Turbosmart Team.