

SILVIA / 180SX-SR20 BLOW-OFF VALVE ADAPTOR INSTRUCTIONS

IMPORTANT NOTES ON FITTING YOUR 180SX-SR20 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 180SX-SR20 Adaptor Kit.

Quantity	Description	Use
1	180SX SR20 Cross-over Pipe	Joining pipe from intercooler to turbo
2	70mm constant tension hose clamps	Secures SR20 Adaptor to factory pipes
1	Pre-assembled tee-piece and Silicon hose assembly	Connects to the intake manifold nipple, Turbosmart BOV and existing factory boost/vacuum line
1	5mm spring clamp	Secures the 5mm Silicon hose over the Turbosmart BOV
1	6mm hose clamp	Secures the 6mm Silicon hose onto the intake manifold nipple
2	25mm Blanking Plug	To blank off the factory BOV return hose
4	32mm Hose Clamps	To secure the blanking-plugs

Note: The 180SX-SR20 Adaptor readily accepts the following Turbosmart BOVs:

Blow Off Valve Name	Part No.
Blow-off Valve - Vee Port	FG-BOV-002VP
Blow-off Valve - Supersonic	FG-BOV-003SS
Blow-off Valve - Megasonic	FG-BOV-003MS

To install a Dual Port or Plumb Back BOV, fabrication will be required to connect the plumb-back fitting to the intake.

FITTING YOUR BOV 180SX-SR20 ADAPTOR

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

Step 1. Undo the hose clamps on the factory crossover pipe.



Step 2. Remove the factory pipe.

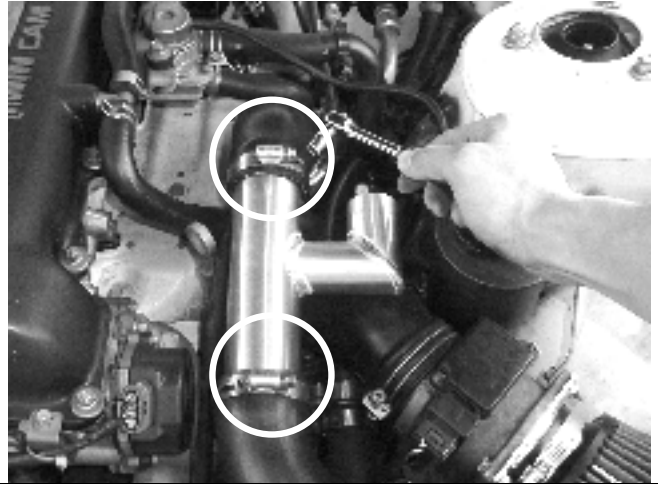


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Step 3. Insert the SR20 Adaptor between the engine-manifold pipe and the intercooler pipe.

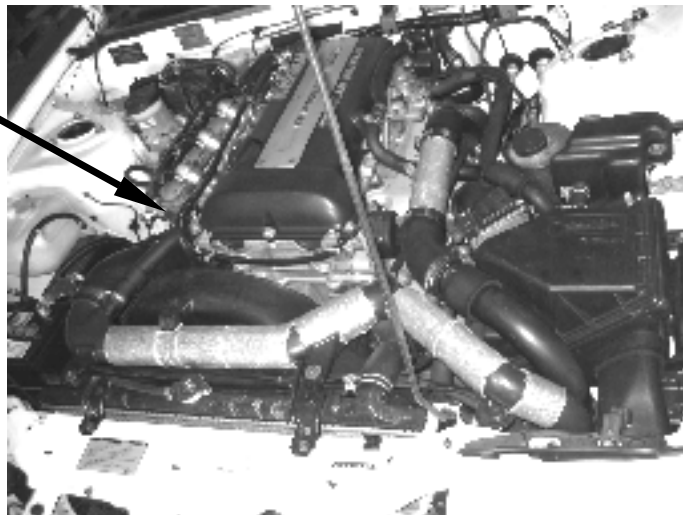


Step 4. Use the 70mm constant tension hose clamps supplied to secure the factory hoses to the SR20 Adaptor pipe. Tighten the hose clamps with a 7mm socket or screwdriver.



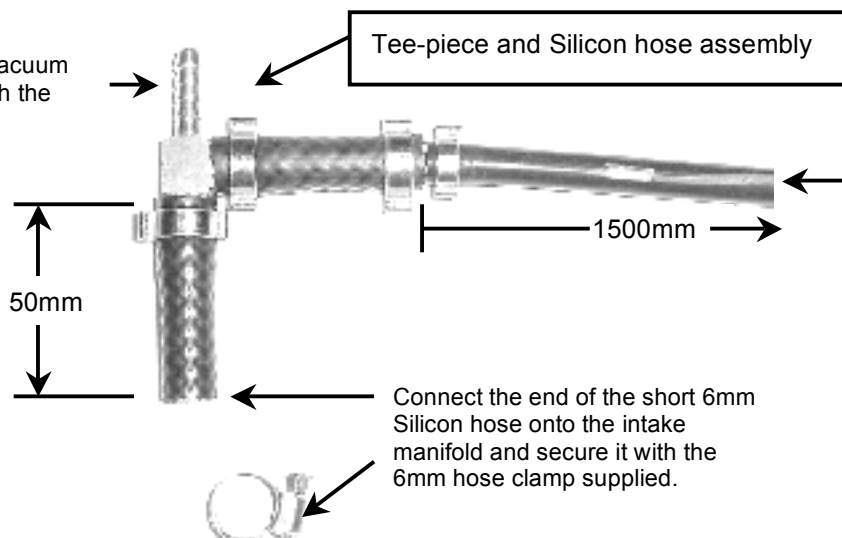
Step 5. Locate the intake manifold fitting connected to the factory boost/vacuum line. It is on the left hand side of the engine bay. Remove the factory boost/vacuum line to show the intake manifold fitting.

Location of the intake manifold fitting



Step 6. Connect the Pre-assembled tee-piece and silicon hose assembly as shown in the diagram below:

Connect factory boost/vacuum line here and secure with the factory spring clamp.



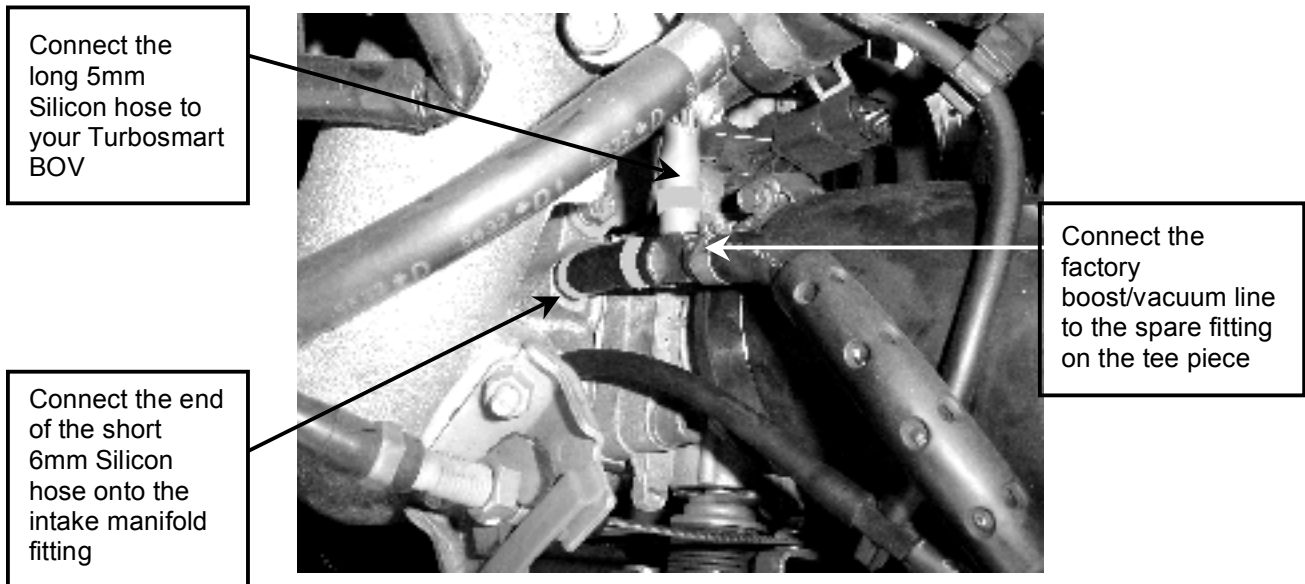
Tee-piece and Silicon hose assembly

Connect the end of the 5mm Silicon hose to your Turbosmart BOV. Secure this hose with the 5mm spring hose clamp supplied.

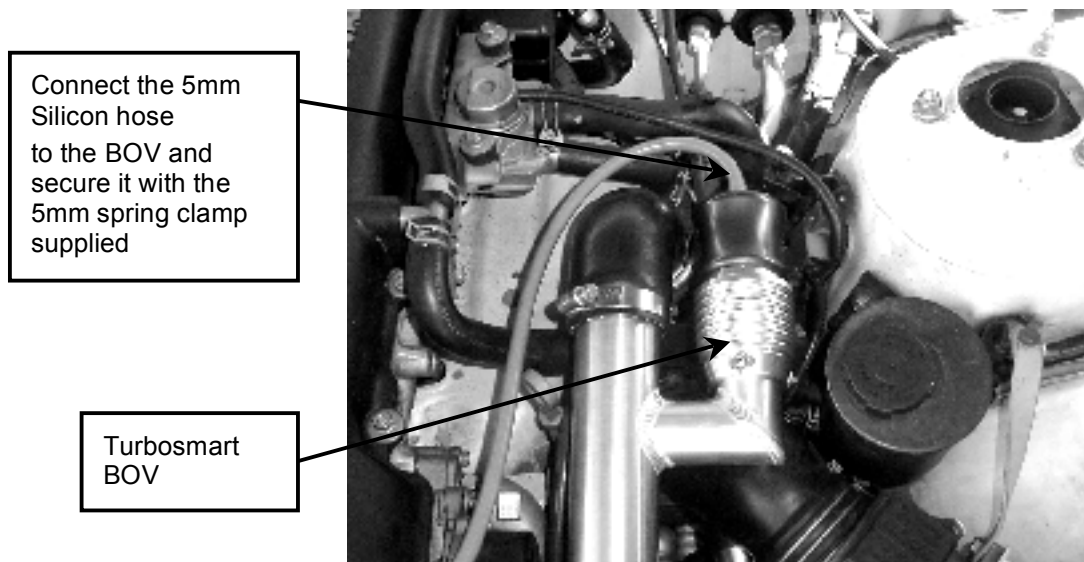
Connect the end of the short 6mm Silicon hose onto the intake manifold and secure it with the 6mm hose clamp supplied.

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Step 7. When you have connected the tee-piece and Silicon hose assembly it should look the same as the diagram below:

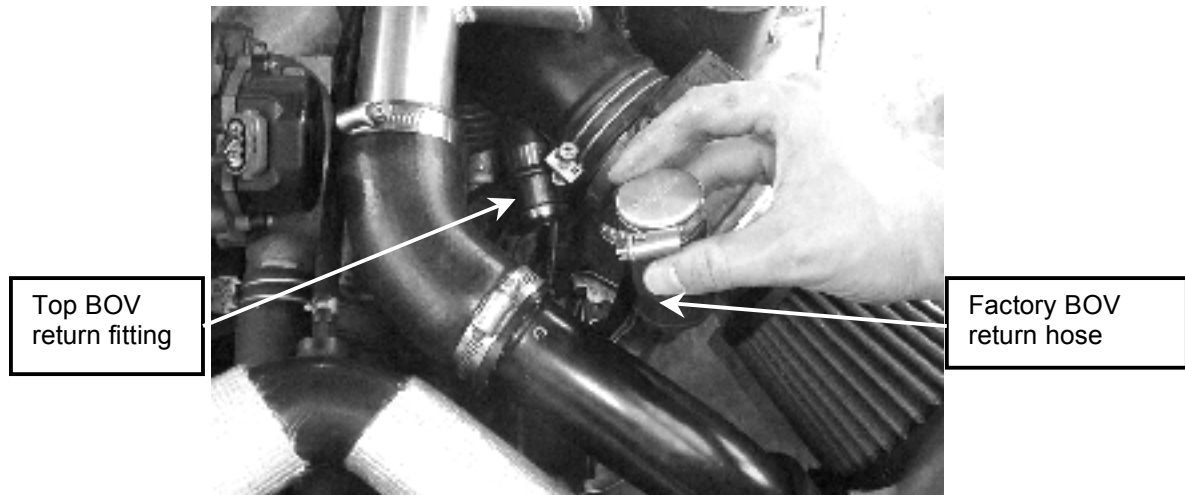


Step 8. Install your Turbosmart BOV by following the instructions, included with the BOV.

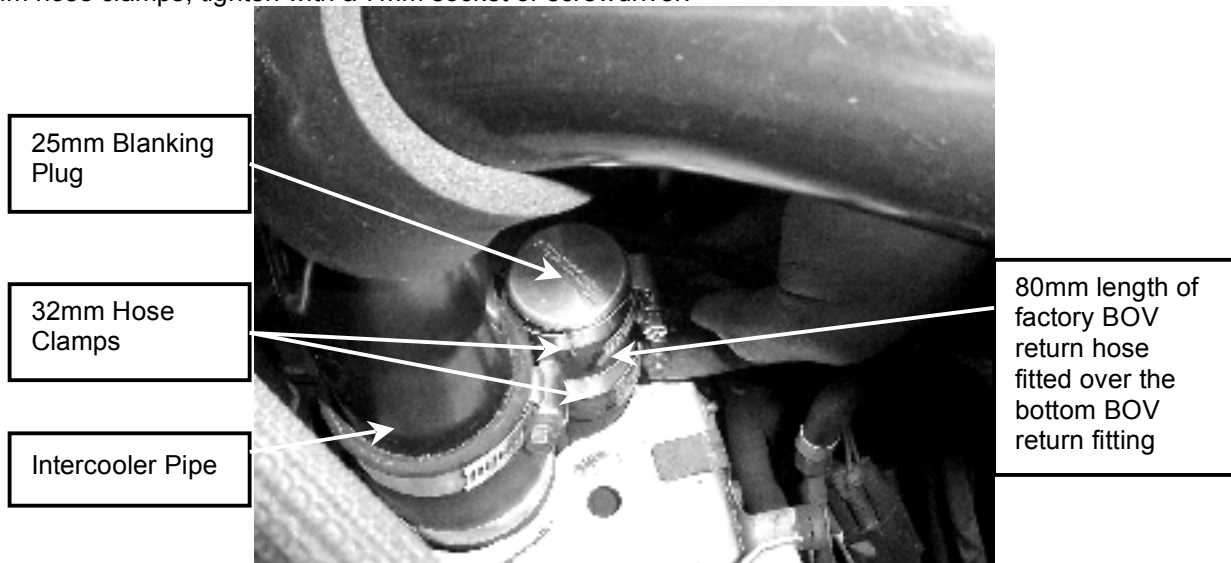


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Step 9. This instruction is based on leaving the factory BOV fitted, as it is located inside the inner guard and is difficult to remove. Instead we recommend leaving it installed and isolating it from the engine, as follows. Running under and parallel to the SR20 Adaptor is the factory BOV return hose. You will need to remove this pipe and blank off both ends. First take out the factory BOV return hose and cut a small length to make a blanking assembly. Fit a 25mm blanking plug into this small hose and fit it over the return pipe fitting in the intake. Secure the blanking assembly with the supplied 32mm hose clamps, then tighten with a 7mm socket or screwdriver.



Step 10. Cut another small length of the factory BOV return hose and fit the other supplied blanking plug. Now fit this over the lower hose fitting located next to the intercooler pipe. Secure the blanking assembly with the supplied 32mm hose clamps, tighten with a 7mm socket or screwdriver.



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 fitting your BOV.

- Check that the O-ring on the base of the BOV is fitted correctly and is in good condition.
- Ensure that the BOV grub screws and lock-nuts are tightened on the adaptor.
- Ensure the 50-70mm hose clamp is tightened over the engine pipe and adaptor.
- Ensure the 50-70mm hose clamp is tightened over the intercooler pipe and adaptor.
- Check the 25mm Blanks are fitted in the plumb-back hose and secured with the 20-32mm hose clamps supplied.
- 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
FG-ADM-180SXS

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Happy motoring!

The Turbosmart Team.