

## LIBERTY RS BLOW-OFF VALVE ADAPTOR INSTRUCTIONS

### IMPORTANT NOTES ON FITTING YOUR LIBERTY RS BOV 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 Liberty RS adaptor Kit.

Quantity	Description	Use
1	19mm blank	To blank off the return hose on the Liberty RS
1	Pre-assembled Silicon hose assembly	Connects the throttle body vacuum fitting to the Kompact BOV fitting
3	20-32mm hose clamp	Secures the 45 degree Silicon bend to the Kompact SS 20mm BOV and boost fitting. Secures the 19mm blank to the return pipe
1	45 degree Silicon bend	Connects the Kompact BOV to the factory boost hose
1	3mm spring clamp	Secures the pre-assembled Silicon hose assembly to the throttle body vacuum fitting
1	5mm spring clamp	Secures the pre-assembled Silicon hose assembly to the Turbosmart BOV fitting

Note: This Liberty RS Adaptor readily accepts the following Turbosmart BOVs:

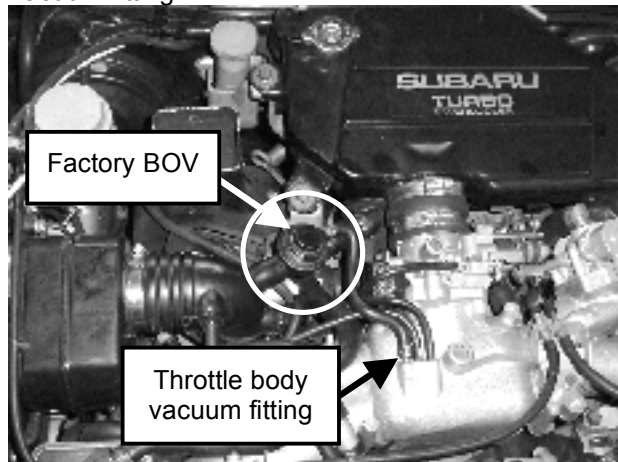
Blow Off Valve Name	Part No.
Blow-off Valve - Kompact Supersonic	FG-BOV-KTSS20

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

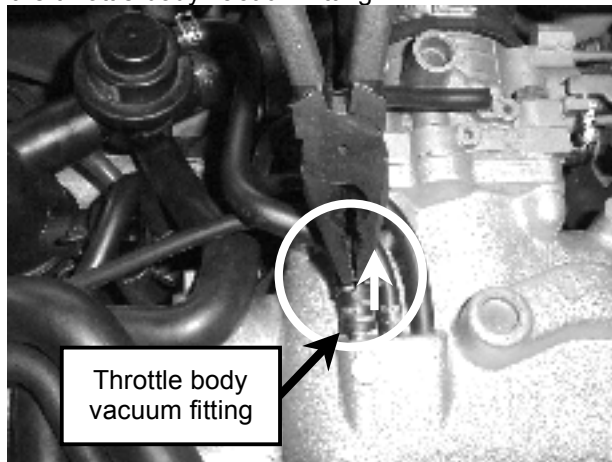
### FITTING YOUR BOV LIBERTY RS ADAPTOR

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

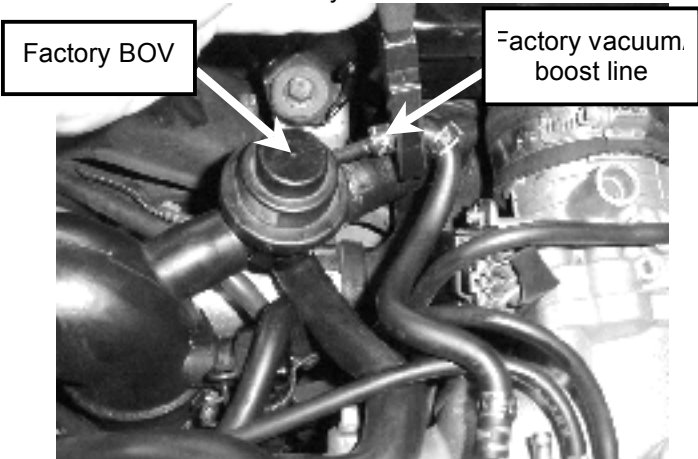
**Step 1.** Locate the factory BOV and throttle body vacuum fitting.



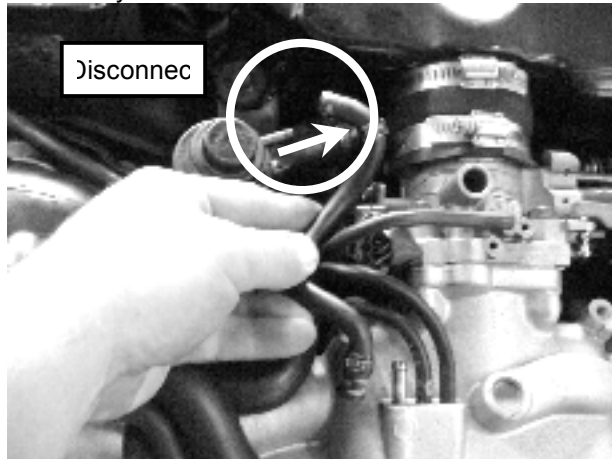
**Step 2.** Disconnect the factory vacuum/boost line from the throttle body vacuum fitting.



**Step 3.** Locate the factory vacuum/boost line connected to the factory BOV.

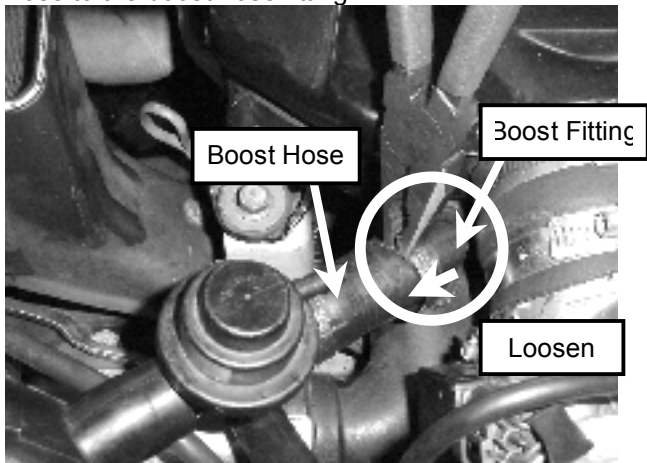


**Step 4.** Disconnect the factory vacuum/boost line from the factory BOV.

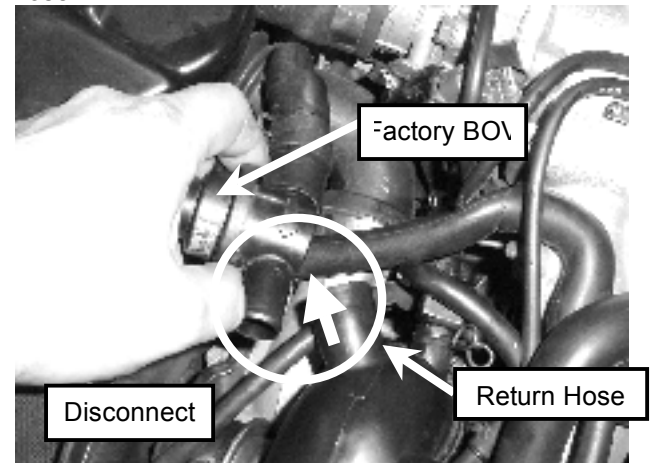


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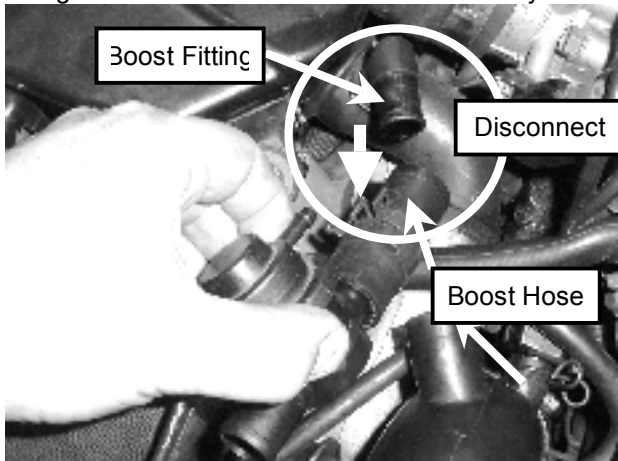
**Step 5.** Loosen the hose clamp securing the boost hose to the boost hose fitting.



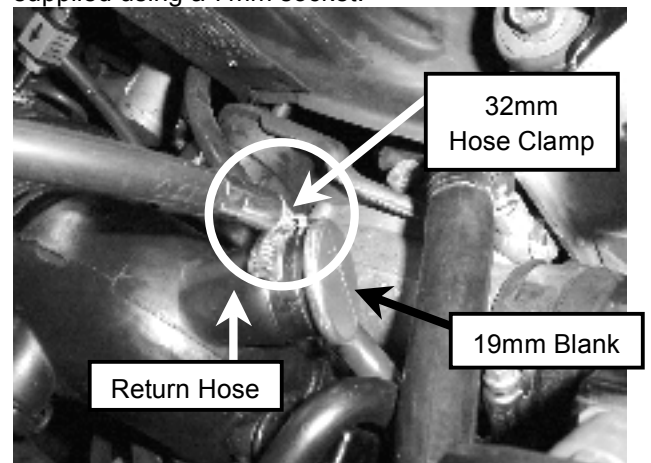
**Step 6.** Disconnect the factory BOV from the return hose.



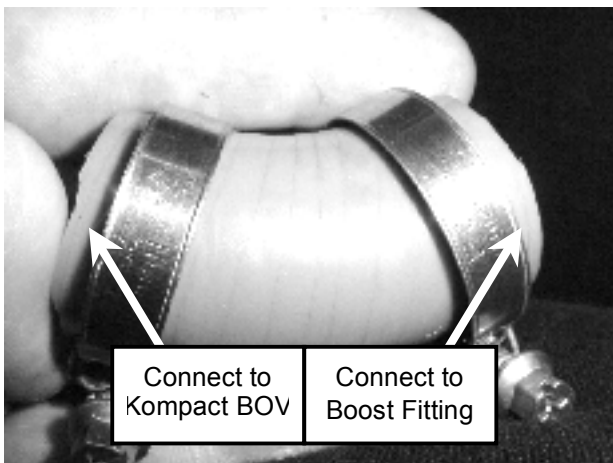
**Step 7.** Disconnect the boost hose from the boost fitting and remove the boost hose and factory BOV.



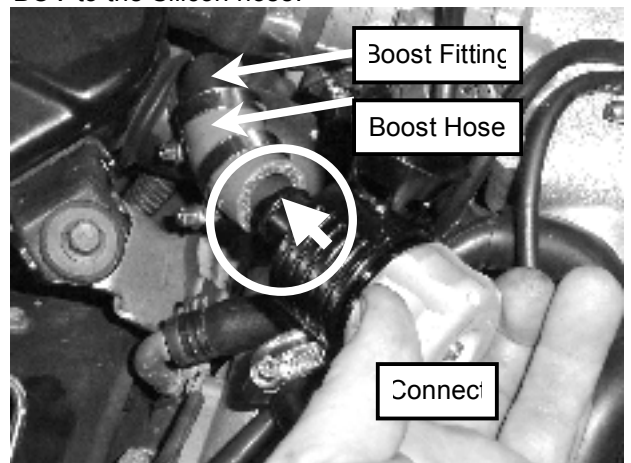
**Step 8.** Blank off the return hose with the 19mm blank supplied. Secure the blank with the 32mm hose clamp supplied using a 7mm socket.



**Step 9.** Connect the 45 degree Silicon bend as shown in the diagram below.



**Step 10.** Connect the 45 degree Silicon bend to the boost fitting and secure with the 32mm hose clamp supplied. Connect the Kompact Supersonic 20mm BOV to the Silicon hose.

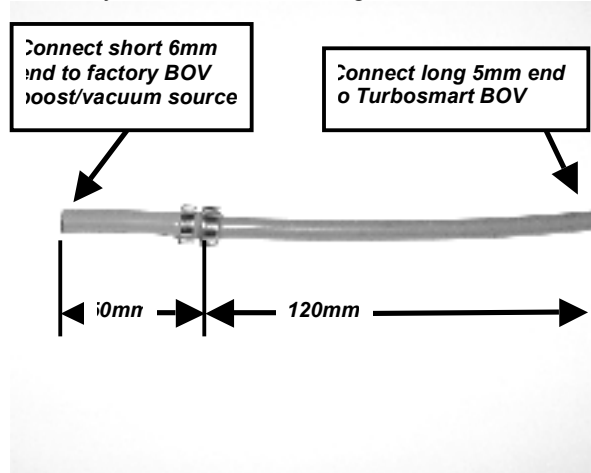


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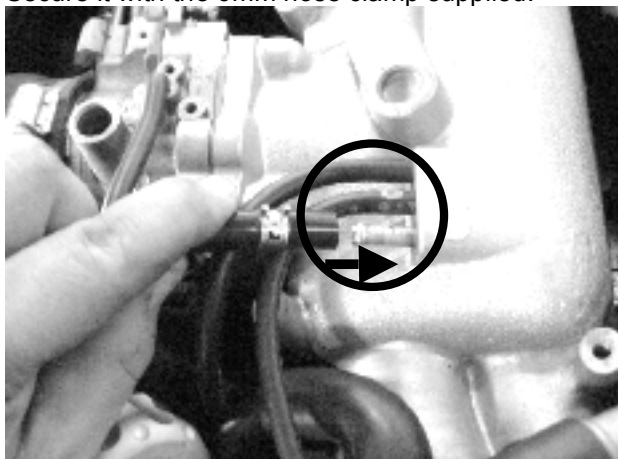
**Step 11.** Secure the Kompact Supersonic 20mm BOV to the 45 degree Silicon bend by tightening the 32mm hose clamps supplied.



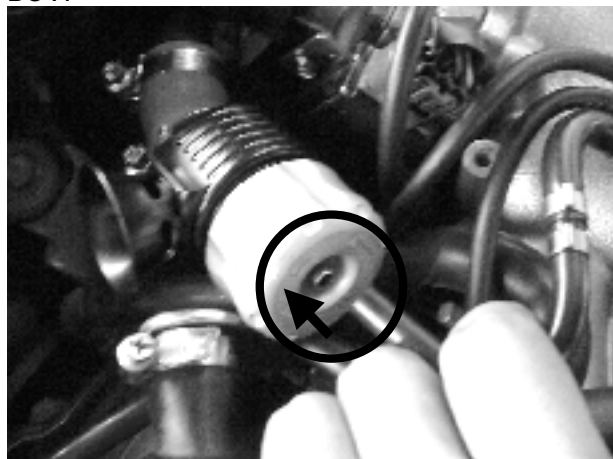
**Step 12.** Connect the pre-assembled silicon hose assembly as shown in the diagram below:



**Step 13.** Connect the 6mm end of the pre-assembled Silicon vacuum hose to the throttle body vacuum fitting. Secure it with the 6mm hose clamp supplied.



**Step 14.** Connect the 5mm end of the pre-assembled Silicon vacuum hose to the Kompact Supersonic 20mm BOV.



**Step 15.** Your installation is complete and should look the same as the picture below.



### 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.

- Ensure that the boost hose fitting is connected to the 45 degree Silicon bend and secured with the 32mm hose clamp supplied.
- Ensure that the Kompact Supersonic 20mm BOV is connected to the 45 degree Silicon bend and secured with the 32mm hose clamp supplied.
- Ensure the vacuum hose assembly is properly connected to the throttle body vacuum fitting and secured with the 6mm hose spring clamps supplied.
- Ensure the vacuum hose assembly is properly connected to the Kompact BOV fitting.
- Check the 19mm Blank is fitted on the return hose and secured with the 32mm hose clamp.
- 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-LBRS

## ***LIBERTY RS BLOW-OFF VALVE ADAPTOR INSTRUCTIONS***

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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.

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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.