

## XR6 BLOW-OFF VALVE ADAPTOR INSTRUCTIONS

### IMPORTANT NOTES ON FITTING YOUR BOV XR6 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 XR6 Adaptor Kit.

Quantity	Description	Use
1	XR6 adaptor	Joining pipe from intercooler pipe to factory manifold
2	25mm blanking plug	To seal the existing factory boost and exhaust hoses at original BOV
1	70mm Silicon hose coupler	To connect the XR6 adaptor to the intercooler pipe
1	70mm Silicon hose bend	To connect the XR6 adaptor to the Aluminium cast manifold
4	70mm hose clamps	To secure your XR6 adaptor to engine pipes
2	5mm clamps	To secure the 5mm hose to your Turbosmart BOV and tee piece
2	30mm hose clamps	To secure the blanking plugs onto the factory hoses
1000mm	5mm ID Silicon hose	Connects Blow-Off-Valve to the vacuum/boost tee piece
1	250mm cable tie	Secures the Silicon hose to the XR6 adaptor

Note: This XR6 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 XR6 ADAPTOR

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

**Step 1.** Remove the factory manifold by removing the hose clamps, nuts and factory boost hose shown below.



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**Step 2.** To make it easier to work with the factory manifold, lift it onto the engine so that it is well clear of the factory pipes.



**Step 3.** Flip over the factory manifold to reveal the factory BOV. Undo the two hose clamps that are fastening the factory BOV to the boost and exhaust hoses and remove the factory BOV.



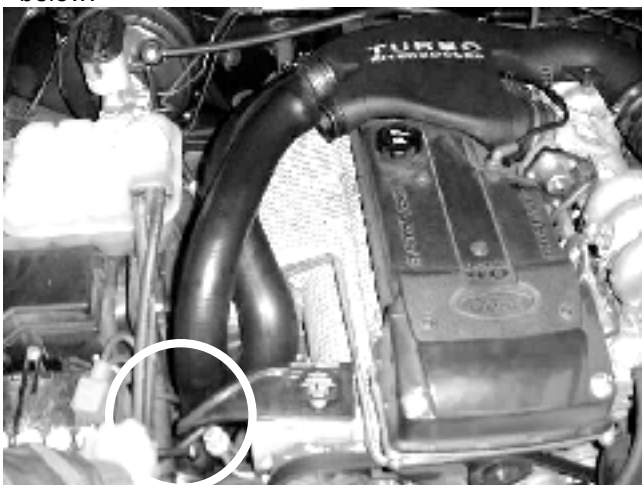
**Step 4.** Block off the boost and exhaust hoses with the supplied Turbosmart blanking plugs. Secure the plugs with the 30mm hose clamps supplied.



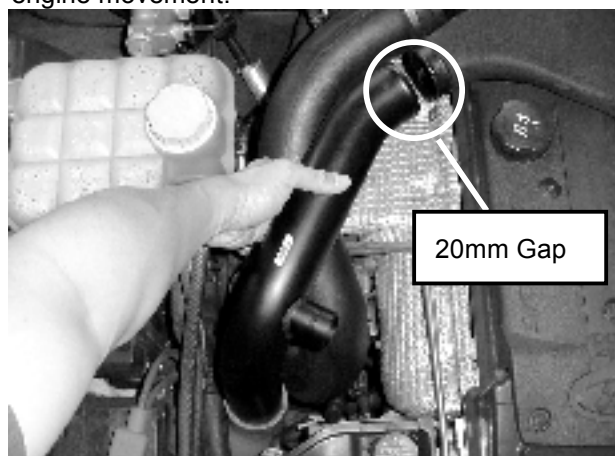
**Step 5.** Reassemble the factory manifold in its original position as shown in the first step of these instructions.



**Step 6.** Remove the black rubber pipe connecting the intercooler to the factory manifold by removing the spring hose clamp located within the circle pictured below.

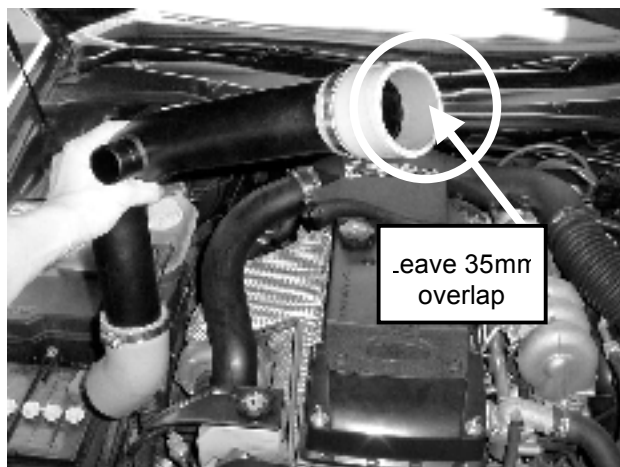


**Step 7.** Connect the Silicon bend hose coupler to the bottom end of the XR6 adaptor. Trial fit the adaptor. Leave about a 20mm gap between the end of the adaptor and the end of the factory pipes to allow for engine movement.



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**Step 8.** Fit the Silicon hose coupler over the XR6 adaptor. Leave a 35mm overlap on the top connection to suit the factory manifold fitment.



**Step 9.** Using two 70mm hose clamps supplied, secure the Silicon hose coupler onto the XR6 adaptor and the factory manifold.



**Step 10.** Using the remaining two 70mm hose clamps supplied, secure the Silicon hose bend onto the XR6 adaptor and the intercooler pipe.



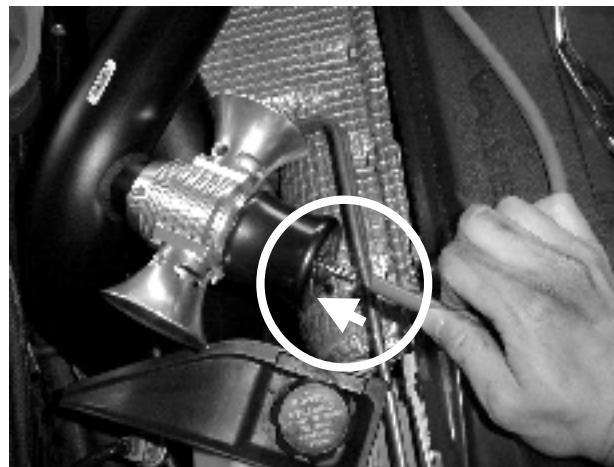
**Step 11.** Install your Turbosmart BOV by following your Turbosmart BOV instructions.



**Step 12.** Connect the 5mm ID Silicon hose supplied onto the factory tee-piece. Secure the fitting using a 5mm spring clamp supplied.

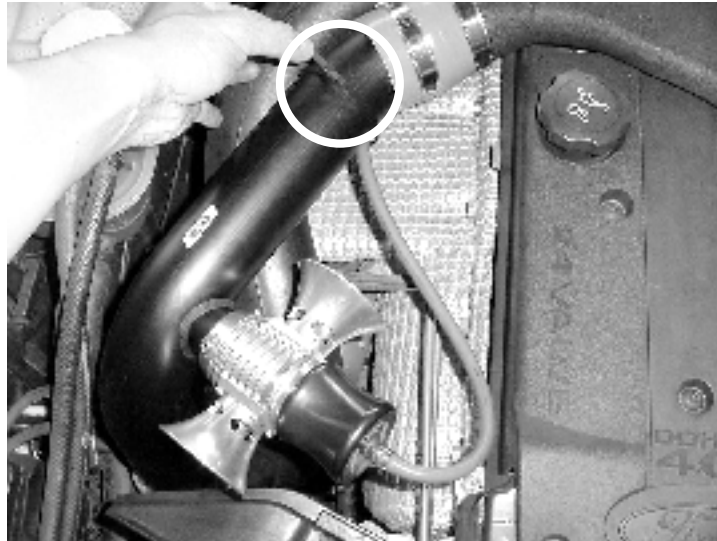


**Step 13.** Connect the Silicon hose to the top of your Turbosmart BOV. Secure the 5mm Silicon hose using the remaining 5mm spring clamp supplied.



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**Step 14.** Use the 250mm cable tie supplied to secure the Silicon hose to the XR6 adaptor.



**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 adaptor.

- 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 that the Silicon hose coupler and Silicon bend sits securely over the XR6 adaptor and factory pipes.
- Ensure Hose clamps are tightened over the Silicon Hose Coupler and Silicon bend.
- Ensure all pipe fittings on your factory manifold are correct and secured.
- Check the 25mm Blanks are fitted on the boost and exhaust hoses and secured with the 30mm 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

## ***XR6 BLOW-OFF VALVE ADAPTOR INSTRUCTIONS***

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**Happy motoring!**

The Turbosmart Team.