

Product Name: XR6 BOV Adapter
 Product Description: Fits BA/BF Ford XR6 Turbo
 Product Number: TS-0205-2058



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.
- **This flange kit suits Supersonic and Vee Port BOV's**

RECOMMENDATIONS

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

HOW TO INSTALL YOUR BOV

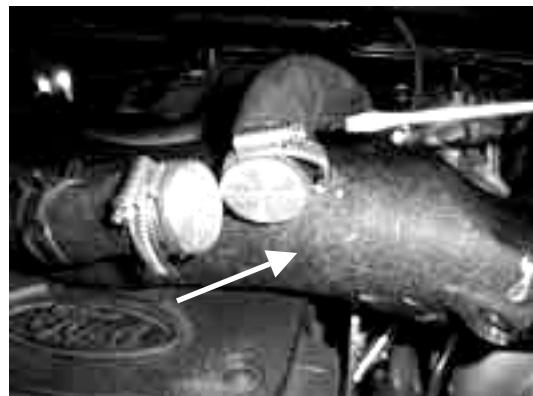
Please check that the following items have been provided in your XR6 BOV Adapter Kit

Quantity	Description	Use
1	5mm vacuum hose	Provides vacuum/pressure to BOV
1	XR6 Pipe adapter	Intercooler pipe replacement
2	25mm Blanking plugs	Blanking plugs for standard BOV
2	17 – 32mm Hose clamps	Securing 25mm blanking plugs
2	55 – 70mm Hose clamps	Securing silicone hose
2	60 – 80mm Hose clamps	Securing silicone hose
2	5mm spring clamps	Securing vacuum hose
1	2.25" – 2.50" silicone reducer	Pipe joiner
1	2.25" – 2.50" 45 degree silicone reducer	Pipe joiner

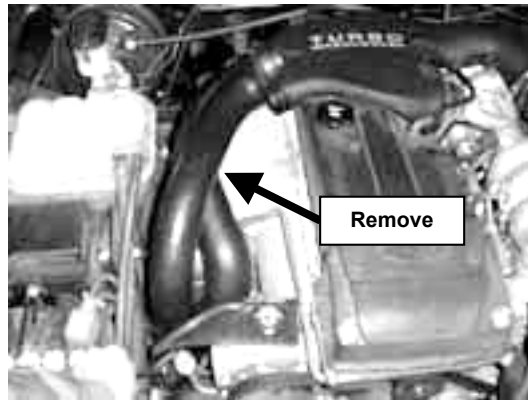
- 1) Remove the factory manifold by removing the 3 securing screws and 4 intercooler pipe hose clamps. Remove CAM cover breather line and the vacuum line to the OEM bypass valve.



- 2) Remove the OEM bypass valve from the factory manifold and blank up the hoses with the supplied 25mm blanks and clamps. Reinstall the manifold onto the engine leaving the bottom left pipe disconnected.



- 3) Remove the black hose as shown in the picture by removing the lower hose clamp securing it.



- 4) Fit the silicone hose joiners onto the pipe adapter and fit to the engine. Secure with supplied hose clamps



- 5) Connect the supplied 5mm vacuum hose to the factory tee piece that supplied pressure to the standard bypass valve



- 6) Install Turbosmart BOV onto pipe work. Fit the vacuum hose from the tee piece to the BOV. Secure hose ends with supplied spring clamps. Start engine and check for leaks

IMPORTANT NOTES ON SETTING THE SPRING TENSION

- Adjustment to the BOV is made by rotating the cap. To increase spring tension rotate in the direction of hard, marked on the top of the cap
- Rotate the cap in the direction of soft to decrease the spring tension – CAUTION Do not rotate the cap beyond the red indicator groove
- With the engine at idle the exhaust ports should be closed off by the piston – the piston should be hard against the seat and not floating or moving
- Free rev the engine and back off quickly, the engine should return to normal idle speed – if the engine drops below idle or stalls increase the spring tension by half a turn

- Repeat this process until the engine free revs and returns to normal idle speed
- Test drive the car and ensure that when decelerating or changing gears that the engine does not backfire or stall. If backfiring or stalling is noticed then check all connections made during the installation, otherwise increase the spring tension

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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Happy motoring!
The Turbosmart Team.

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