

Product Name: **MPS/Mazdaspeed PB BOV**  
 Product Description: **Model-Specific Plumb back BOV**  
 Product Number: **TS-0997-1009**



Suitable for: Mazda MPS (Mazdaspeed) 3, 6, CX7

**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.

**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 MPS/WRX Dual port kit.

Quantity	Description	Use
1	MPS/Mazdaspeed Plumb back BOV	Model Specific blow off valve
1	Gasket	To seal the BOV to the intercooler pipe

- 1) Remove the engine cover by removing the two securing screws/plugs.



- 2) Locate the intake standard BOV. Remove the vacuum/pressure source.



- 3) Remove the bolts securing the standard BOV and then remove the plumb back hose by removing the spring clamp.



- 4) Push the plumb back hose onto the plumb back fitting on the new BOV. Use the factory bolts to fit the new BOV onto the intercooler pipe. Remember to install the supplied gasket in between the BOV flange and the intercooler flange. Reinstall the vacuum/pressure source to the nipple. Refit the engine cover. Start the engine and check for leaks.

## 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.



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**Happy motoring!  
The Turbosmart Team.**

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