

Turbo Spool Valve Installation Manual

Part number **TBV-47-2 Y silicone 2" / 2.5" / 3"** This valve has a 2" incorporated inlet. This kit is universal and compact; it can be used with or without an air flow meter.

Suits engine sizes: 1 – 2.5Litres

Installation Instructions:

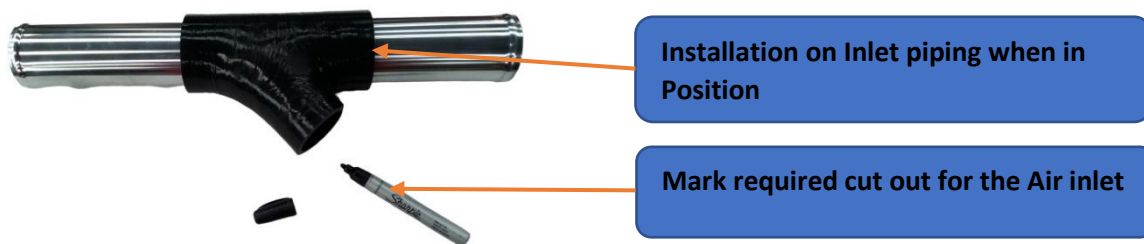
Establish a usable area for fitment in the engine bay, ensure there is adequate clearance area for the valve to be mounted, see **valve mounting angle**. Make sure it is not over or near hot exhaust pipe. Make sure the temperature of the environment does not exceed 100 degrees as this is too hot for air inlet temperatures and may damage the valve.

The Y silicone hose is universally mountable, either on straight pipe or a pipe with a bend. Disconnect the intercooler to throttle body piping.

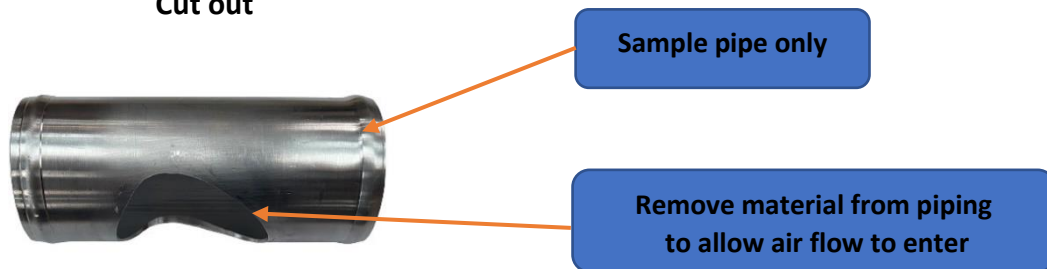
Using high detergent water mix, rub over the piping and the inside of the silicone Y hose so it will easily slip down to the required position.

When you are satisfied with the position, allowing for valve angle in engine bay, mark out required cut out.

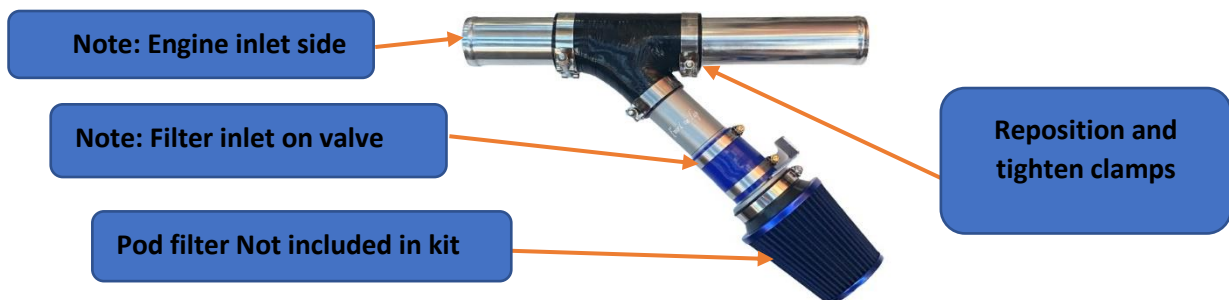
Installation Overview



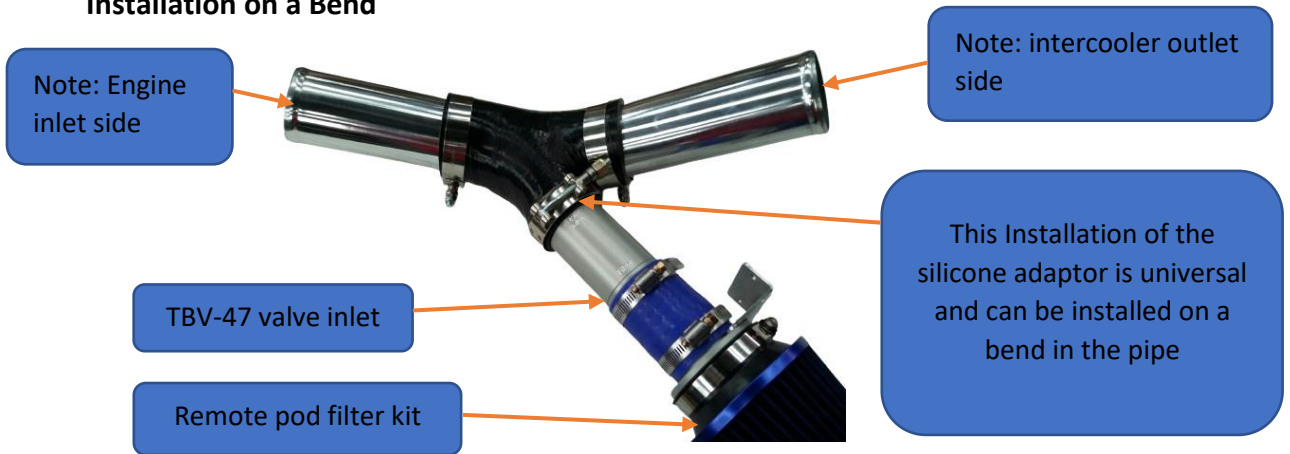
Cut out



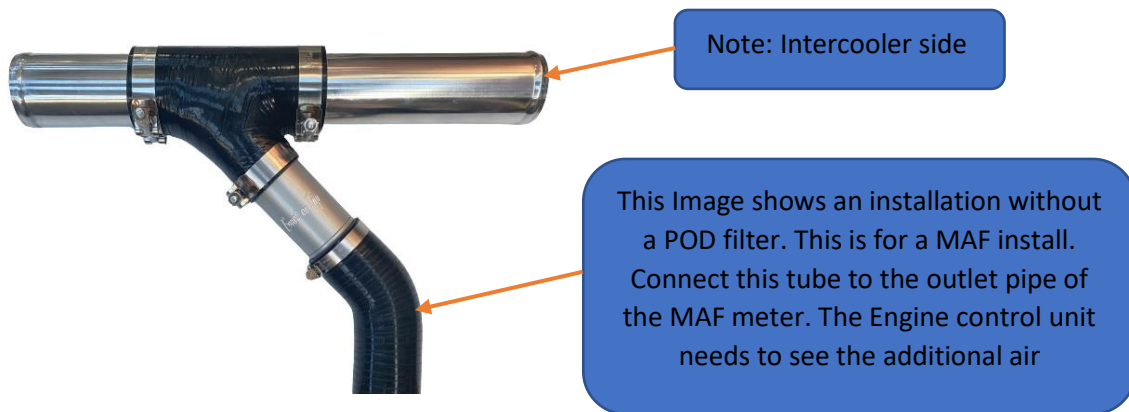
Overview of assembled installation.



Installation on a Bend



Installation for a MAF Meter No Pod filter used



After installation

It is the buyer's responsibility to ensure tuning of the engine is conducted. Typically, additional enrichment is required to blend air/fuel ratio to 105 KPA area. This is the area in the map where additional air is introduced. The customer is required to determine the enrichment required according to the fuel type being used. By using a wide band sensor in the exhaust and recording the AFR's then rapidly depressing the accelerator in neutral, this will give you a guide to current AFR's on the table. In the 105KPA area you should see a ratio of 12.2 to 12.5 to 1 Air Fuel Ratio. After the installation, under rapid acceleration condition, a roaring sound from the air filter will occur. This means the turbo spool valve is operating correctly. This is the sound of induction, it should be brief as the valve closes as soon as the turbo starts to boost.

Note: By Varying the Air Fuel Ratio @ 105 KPA it will change the Spool valve open duration.

**Note. Use a small amount of lubricant on the threads of the clamps
Please keep the product box for serial number reference.**

Enjoy your instant power.

Terms and conditions of sale are available on the website: www.boostontap.com.au

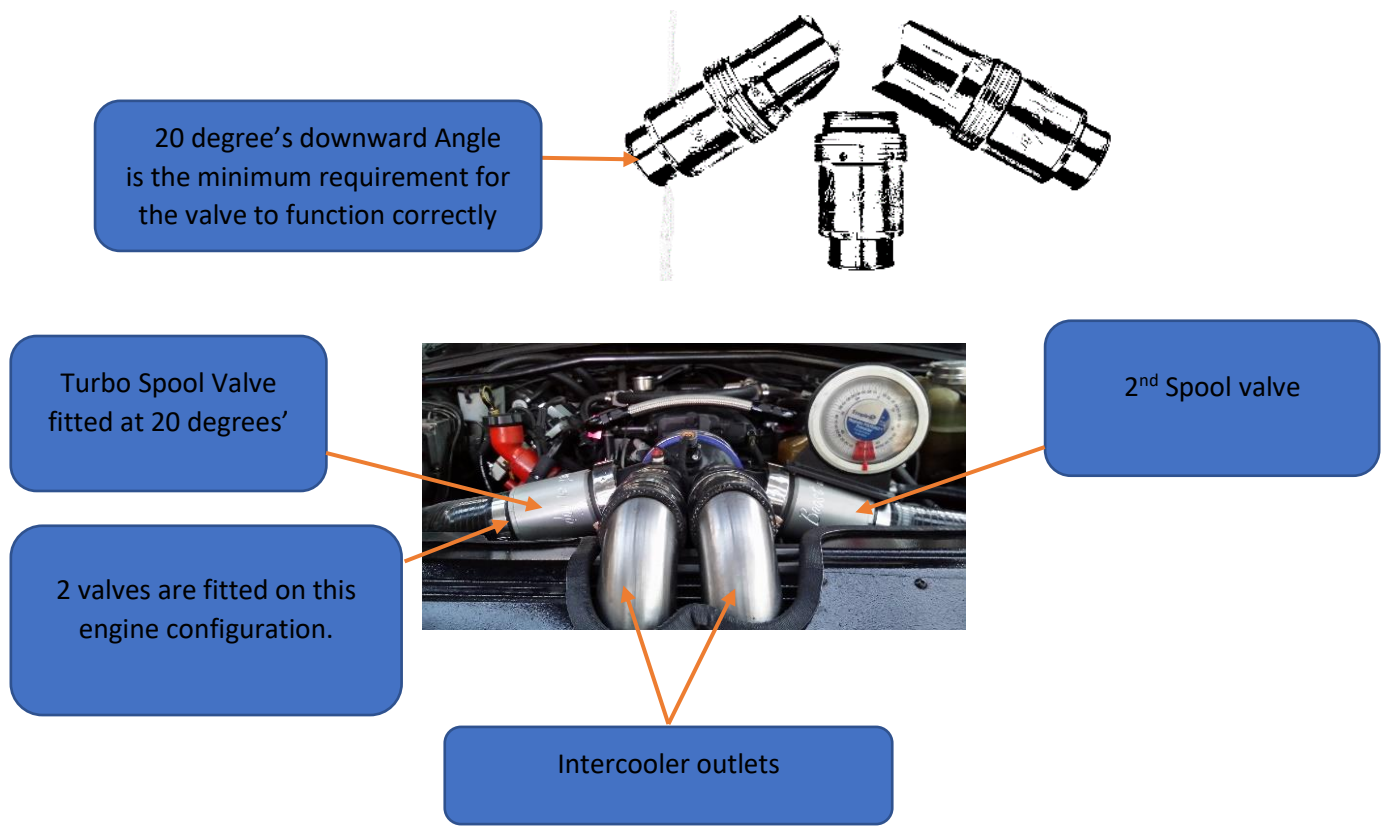
Valve Installation Angle Requirements

Before installation an overview of the engine bay must be conducted.

A suitable clearance area must be established, allowing for a minimum 20 degree's downwards mounting angle.

See figure 1 Valve position (Typically Each kit has only one valve) This diagram shows 3 positions for illustration only

Figure 1: Fitment illustration.



Top view installation on VX Commodore Is1 with 2 valves fitted

