



## **Installation instructions for Bailey Motorsports DV30 Diverter Valve For Audi A4 and Passat B5 1.8T**

Thank you for purchasing your Bailey Motorsports DV30 bypass valve. With the Bailey Motorsports DV30 bypass valve, we believe you have purchased the finest diverter valve currently available. Bailey Motorsports were the inventors of the piston type diverter valve, and have perfected its design over years of track and street testing. Follow these instructions, and you'll have your new Bailey valve installed quickly and easily.

Included with your Bailey valve kit:

- One Bailey DV30 diverter valve
- Two medium size hose clamps
- One small size hose clamp
- One medium length zip tie

Tools required for this install:

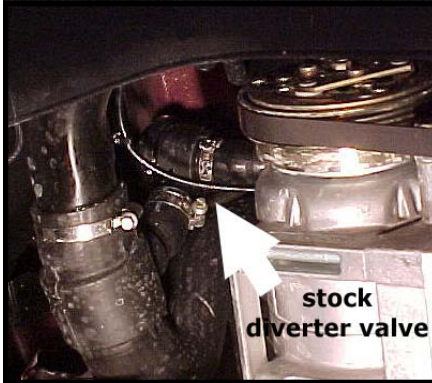
- Medium flat blade screwdriver
- Tin snips (suggested but not required)

Install time:

- Approx. 30 minutes

Installation of the Bailey DV30 requires accessing the engine from below, and is easier done on jack stands or a lift. If installing your valve on jack stands, please make sure they are of high quality and properly placed!

This installation sheet details the install of the a Bailey DV30 on a 98 and later Audi A4 or VW Passat B5 1.8T. 97 and some early 98 A4/B5s have their diverter valves in a slightly different location, higher up in the low pressure boost hose. Install on these vehicles is similar, but requires access from above and below. Removing the passenger headlight helps, too.



The first step to accessing the diverter valve on your A4 is to place the front of the vehicle on jackstands and remove the undertray beneath the engine. Anybody who does their own oil changes will know what to do here. Find the metal slotted fasteners located around the periphery of the tray (there are 3 along the leading edge right behind the lower spoiler, and three along the trailing edge by the transmission). Simply twist counter clockwise to release. Do the same with the 2 plastic fasteners holding the tray in the wheel wells in front of each tire. Slide the tray slightly towards the back of the car and drop down. The diverter valve (DV) is located on the passenger side, in the area between the passenger front tire and the lower spoiler, just to the passenger side of the AC compressor.



Removing the stock DV requires breaking loose a crimp clamp on its outlet and loosening a screw clamp on its inlet. The screw clamp is easily loosened with a flat head screwdriver and will be reused when installing the Bailey valve. The crimp clamp is a one time use clamp and is replaced by a screw clamp included with the A.W.E. Bailey kit. Removing the crimp clamp is probably the hardest part of this job. You can either try to pop this clamp apart where it overlaps with a thin flat head screwdriver, or you can simply cut it with a nice pair of tin snips. Have patience!



Here's a reverse shot of the stock DV, showing the vacuum line and where it connects to the valve. Clip the zip tie that holds this line to the boost hose. You can remove the vacuum line from the valve most times by wiggling it free. Sometimes the nipple on the valve will crack if you have a few miles on your car, but don't worry: you're replacing it anyway. If the nipple does break off, do your best to remove it from the vacuum line end. Slide the crimp clamp off the vacuum line and discard. There is another screw type clamp included with the A.W.E. Bailey valve kit to replace this one, too. Now you are ready to remove the stock DV. Just wiggle it free from the boost hoses. Slipping a flat head screwdriver between the hose ends and valve body can help free a stubborn valve.



#### **Time to install your new Bailey valve:**

While the stock valve is out of the boost hoses, make sure no foreign objects fall in the holes. Pop the Bailey valve into the boost hoses in the same orientation as stock. A little motor oil on the inlet and outlet of the valve will make it slide in easier. Don't forget to slide the medium screw clamps on the hoses first. Tighten the clamps down snug with a flat head screw driver, and fasten the vacuum line back to the boost hose it was attached to with the enclosed zip tie. Once you are sure that the valve is installed properly with no leaks, go ahead and reinstall your undertray. With the Bailey DV30 you can enjoy a 1.8T without boost loss and surging that the stock DVs are known for.



**INNOVATION | DESIGN | COMPETITION**

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Thank you for choosing A.W.E. Tuning as your performance automotive parts supplier. Please remember that a performance car is only as strong as its weakest link. Therefore, it is vital that you maintain your vehicle to factory specifications.

**By installing or using the purchased product, the Consumer accepts this warranty and any specific Manufacturer warranties enclosed.**

### ***Limited Warranty***

The following warranty is valid only in the United States.

The Manufacturer's full warranty applies to all products sold.

Secor Ltd. (A.W.E. Tuning) warrants to the original retail purchaser (Consumer) the Bailey Valve DV30 for LIFETIME.

Upon verification of warranty coverage, A.W.E. Tuning will repair or replace the defective product at their discretion, without charge. This is the only remedy the Consumer has for any loss or damage, however arising, due to nonconformity in or defect of the product. This warranty does not cover consequential damage, loss of time or revenues, inconvenience, loss of use of vehicle, damage to the vehicle or components, or other incidental or indirect damage.

All warranties are void if the product was not installed by a certified auto mechanic, improperly serviced, modified, or used in a way not intended by the Manufacturer. Use of product in Motorsports or Racing conditions is grounds for warranty denial. Motorsports and Racing is an inherently abusive operational condition, and it is impossible to warranty for this type of usage.

The Consumer is responsible for ensuring that the product is installed in a safe and proper manner, and should cease usage of the product immediately if an unsafe or improper condition is noted. If an unsafe or improper condition is noted, the Consumer should then immediately contact the facility where the product was installed or A.W.E. Tuning directly.

Please contact the original place of purchase for any warranty claims or explanations of this document.