



Congratulations on your purchase of the AWE Tuning Vent Boost Gauge Kit for your VW.

While the install is fairly straight forward, please review these instructions carefully before attempting installation. If you do not feel comfortable installing this kit on your own, contact a professional installer in your area.

Estimated install time:

1.5 hrs

Parts list:

- 1 AWE Tuning vent housing and gauge assembly
- 1 7' high temp silicone boost hose
- 1 T-fitting (FSI only)
- 2 11mm hose pieces (FSI only)
- 4 10-16mm hose clamps (FSI only)
- 2 wiring taps
- 4 small zip ties
- 1 air filter
- 1 AWE Tuning TSI vacuum / boost source kit (TSI only)
- 2 butt connectors

Required tools and materials:

Medium and small flathead screwdrivers
8mm, 10mm, and 13mm sockets and ratchet
Pliers
Torx T20 wrench
X-acto knife/razor blade
1/2" drill bit and drill

Note:

Your gauge has had an anti-fog treatment applied. If you notice any fogging of the face during a/c usage, reapply an anti-fog treatment, such as one made by Rain-X (www.rain-x.com).

Step 1:

Remove factory vent assembly by first removing the fuse panel cover on the end of the dash near the driver's door. Push on the back of the vent housing while gently prying from the front, as in Figure 1.

Remove the headlight switch by pushing the knob in while turning clockwise, then pulling on the knob to remove the switch assembly. Unclip the wiring harness from the switch.

Remove the under dash panels. There are two Torx T20 bolts at the leading edge of the panel above the pedals. There are four Torx T20 bolts for the left side panel: two near the bottom edge, one in the headlight switch hole, and one beneath the steering column gap cover above the steering column (grasp and pull to remove).

Step 2: (FSI engines -> 2006—2008):

Pop the hood. Remove the engine cover. To remove, disconnect the metal clips and wiring harness from the MAF sensor (at point A in Figure 2), disconnect the air intake hose by squeezing the clamp with pliers (at point B). Then grasp the cover at either side and firmly pull upwards. The cover is attached to engine with pegs that pop into rubber grommets, so some force may be necessary to release it.

Step 2: (TSI engines -> 2008+):

Remove the engine cover. The cover (Figure 3) is attached to the engine with pegs that pop into rubber grommets. Pull up carefully on each side to release.

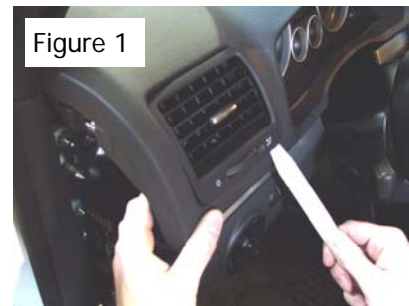


Figure 1

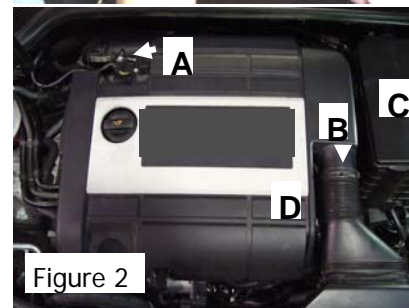


Figure 2

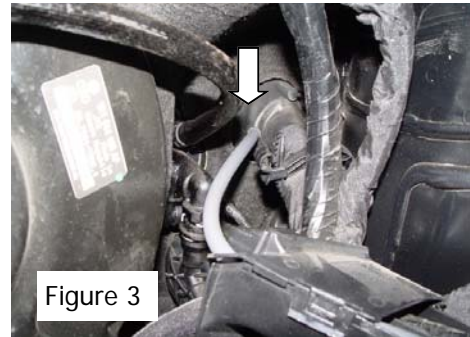


Figure 3

Step 3:

Remove the battery and its housing. The battery sits inside a large black box to the driver side of the engine under the hood. Its housing connects to the bottom tray by clips. Also remove the tray by unbolting its three 10mm head bolts.

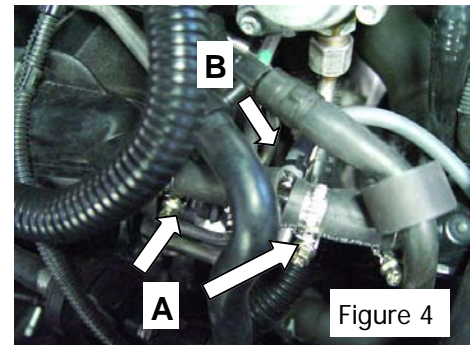
Locate the main wiring harness where it comes through the firewall at point C in Figure 2 on previous page. With a razor, cut end off one rubber nipple (at arrow in Figure 3) as a pass through for the boost hose. Lubricate the end of the hose with a little oil and push through from inside the car.



Step 4: (FSI engines -> 2006—2008):

Install the enclosed T-fitting to the end of the intake manifold (located beneath engine cover at point D in Figure 2 on previous page). To install, cut the one-time-use clamps with a pair of snips and remove the ~1.5" long OEM rubber hose at that location. **The enclosed T-fitting MUST be used or the gauge may buzz or flutter under boost!**

Install the T-fitting with the enclosed rubber hose sections and hose clamps (as shown in Figure 4 at arrows A). Route the 7mm boost gauge hose to the T-fitting and attach with zip tie (at arrow B in Figure 4).



Step 4: (TSI engines -> 2008+):

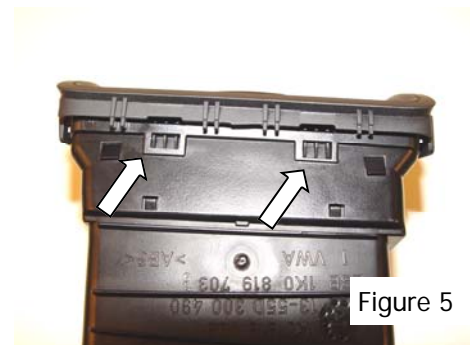
Follow the instructions to install the included AWE Tuning silicone PCV hose replacement. Connect the boost gauge hose to the included t-fitting.

Step 5:

Prep the vent housing for gauge installation.

On the top of the housing, push down on the tabs (at arrows in Figure 5) with a small flathead screwdriver and then pull down and forward on the top edge of the housing face to remove. Carefully push down on tabs to avoid breaking them.

Once the housing face is removed, remove the inner vent fins. Pushing them out from behind is the best way to remove.



Step 6:

With the 1/2" drill bit, drill a hole in the driver side of the vent housing as shown at arrow in Figure 6.

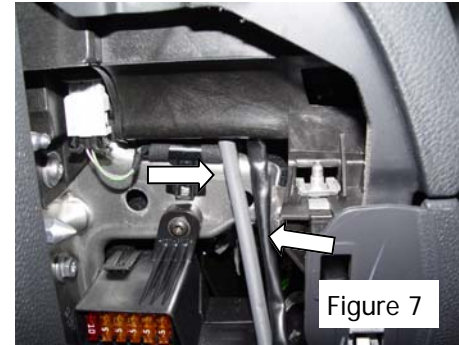


Figure 6

Step 7:

Back in the car, route the 7mm boost hose and the enclosed wiring harness (at arrows) through the vent opening in the dash as shown in Figure 7.

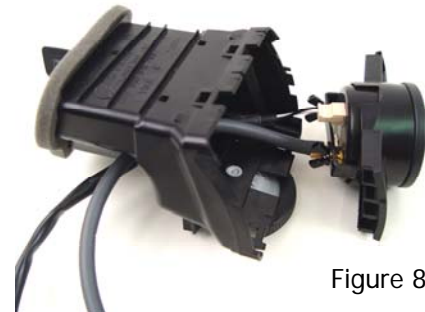
Install the enclosed air filter if any buzzing from your gauge is noticed under acceleration or if your vehicle has the TSI engine. Install the air filter inline in the boost hose. The easiest place to do this after install is in the fuse box area.



Step 8:

Attach the boost hose and wiring harness to gauge and vent assembly. Seat the gauge and vent assembly in the housing, lining up the tabs on the side of the assembly with the slots in the housing.

Reinstall the housing face and push the complete gauge, vent, and housing assembly back into the dashboard, making sure not to crimp the hose or wiring harness.

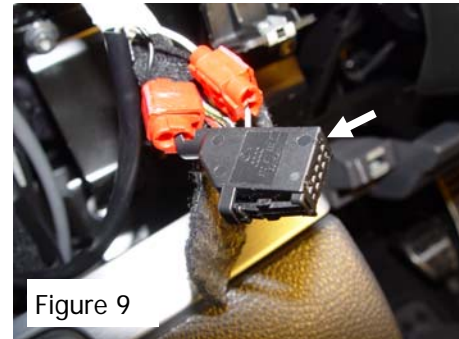


Step 9:

With a razor, carefully strip back the harness wrap on the headlight switch harness.

Attach the gauge wiring harness to the headlight switch plug. Use the enclosed wire taps and attach the white gauge wire to the gray wire at position 10 of the harness connector. **Notice that there are two gray wires, so note which one goes to position 10, molded into the connector at arrow in Figure 9.**

Attach black gauge wire to brown wire of switch plug.



Step 10:

Reinstall the vehicle's battery and the engine cover. Ensure all items under the hood are clear from moving objects and start the engine. You should see ~20 inHg of vacuum reading on the gauge (will vary 3-4 inHg depending on engine temp). If you see significantly less than 20 inHg of vacuum, check for a kinked or pinched gauge boost hose. Also check backlighting at this time by turning on headlights.

Complete reassembly of interior.



You're finished!

Go ahead and test drive your VW. A boost gauge is a valuable tool in determining your vehicle's state of performance.

Any questions or comments, please do not hesitate to contact us!

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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) A.W.E. Tuning Vent Gauge Kit for 1 year after the purchase date for Manufacturer's defect.

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.