



INSTALLATION GUIDE

2007+ Audi R8 4.2L SwitchPath™ Exhaust System

FOR RACING USE ONLY

Congratulations on your purchase of the AWE Tuning SwitchPath™ exhaust for the 2007+ Audi R8 4.2L.

Exquisite build quality with industry leading performance distinguishes this exhaust system from all others.

Contact us with any installation questions.

215-658-1670

AWE-Tuning.com

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Exhaust System

- 1 complete exhaust assembly (one piece, pre/post facelift specific)

SwitchPath™ Control System

- 1 SwitchPath™ Control Unit (coupe/Spyder specific)
- 1 2 amp fuse
- 1 fuse holder tap
- 1 cockpit pushbutton switch
- 1 1/4" to 1/8" barbed tube adapter
- 1 1/8" tube t-fitting
- 2 1/8" straight barb fitting
- 1 6ft length of 1/8" silicone vacuum line
- 2 15" length of 1/8" silicone vacuum line
- 1 2" length of 1/8" silicone vacuum line
- 1 6mm x 16 allen head bolt
- 1 6mm washer
- 2 wiring ring terminal, blue
- 2 wiring ring terminal, red
- 1 wiring butt connecting, blue
- 20 small zip tie
- 10 medium zip tie

Step 1

Access and remove the stock exhaust assembly as per the factory repair manual. Installation of the AWE Tuning exhaust assembly is the same as the stock exhaust assembly.

Replace the factory control valve vacuum hoses that are attached to the metal hard line, using the supplied two 15" lengths of 1/8" silicone vacuum line. Reuse the factory protective heat shield sleeves.

Connect these new vacuum lines to the AWE Tuning exhaust control valves. Use enclosed small zip ties to secure all connections.

Step 2

Remove the cover on passenger side of the engine compartment, at **Arrow A** in **Figure 1**.

Note: on Spyders, the engine access panel will also need to be removed by partially opening the convertible top and then removing the T25 torx bolts holding the panel in place.

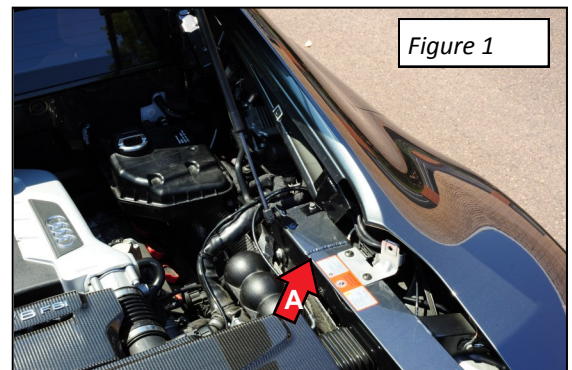


Figure 1

Step 3

Locate the vacuum line with check valve connected to the back of the intake manifold (driver side).

Disconnect the line from the manifold and connect the short piece of silicone hose (at **Arrow B** in **Figure 2**) and t-fitting as shown. Cut the new hose to length as necessary.

Connect the 6ft section of 1/8" silicone hose (at **Arrow C** in **Figure 2**) to the other leg of the t-fitting. Secure these connections with small zip ties and reconnect the line to the manifold.

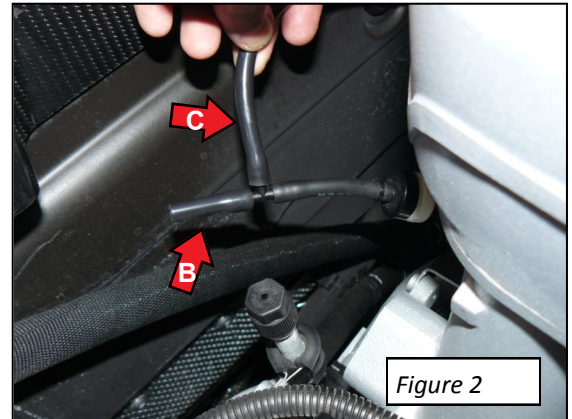


Figure 2

Step 4

Route the 6 ft vacuum line to the passenger side of the engine compartment. Loosely zip tie the line in place, following the factory wiring harness as shown at arrows in **Figure 3**. Make sure it is clear of any potentially abrasive engine components. The zip ties will be tightened once the Control Unit is installed.

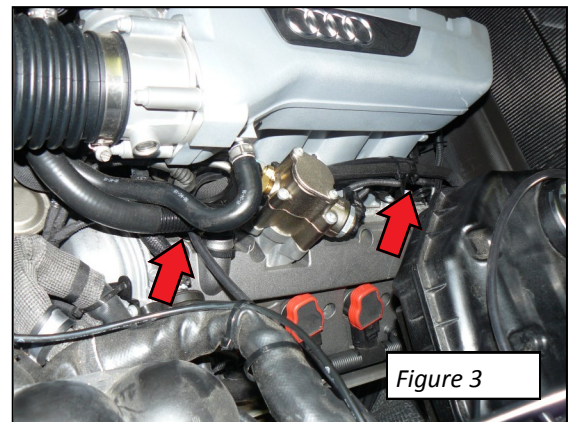


Figure 3

Step 5

Locate the factory exhaust valve solenoid on the passenger side of the engine compartment. It is attached to a silver bracket that is bolted to the frame rail, at arrow in **Figure 4**. Disconnect the vacuum lines from the solenoid and leave the solenoid installed with the electrical harness connected.

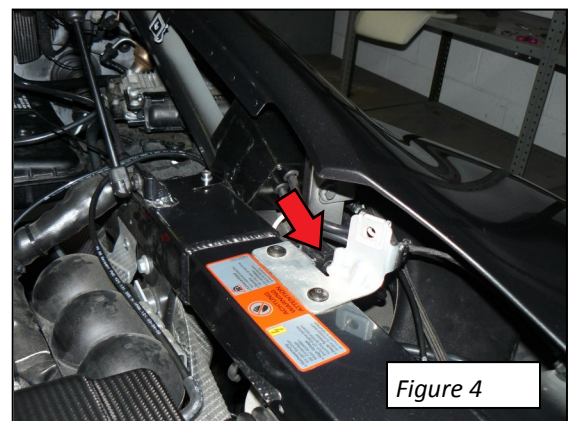


Figure 4

Step 6

For Spyder only:

Remove the T30 torx bolt from the support bar, at **Arrow A** in **Figure 5** and the T25 torx bolt from the heat shield at **Arrow B** in **Figure 5**. Reuse these bolts to install the SwitchPath™ Control Unit as shown in **Figure 5**.

Continue to **Step 7**, ignoring Control Unit mounting instructions.

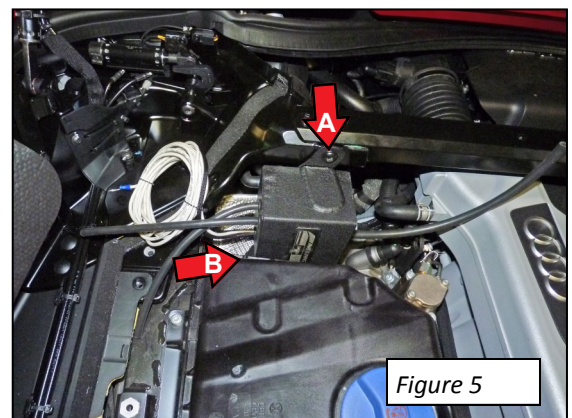


Figure 5

Step 7

Flip the AWE Tuning SwitchPath™ Control Unit on its side, with the welded bracket facing the driver's side (coupe only).

Connect the lower hose (at **Arrow D** in **Figure 6**) to the existing factory vacuum hose leading to the exhaust valves.

Connect the upper hose (at **Arrow E** in **Figure 6**) to the factory hose leading to the vacuum reservoir (at **Arrow F** in **Figure 6**).

Use the included 1/8" barbed fittings and small zip ties to make the connections and cut these hoses to length as necessary.

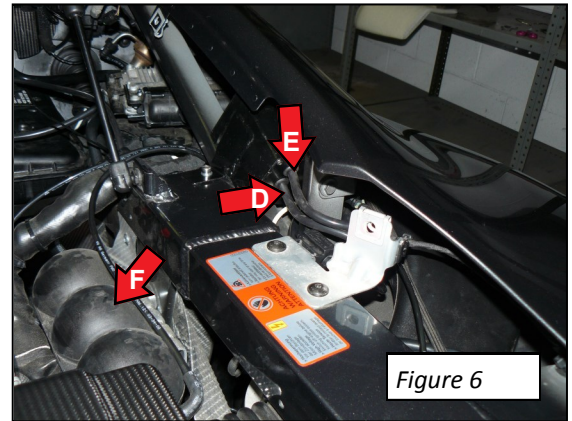


Figure 6

Step 8

Using the enclosed barbed adapter, connect the 1/4" hose on the other side of the Control Unit, at **Arrow G** in **Figure 7**, to the 1/8" manifold line installed previously in Step 4.

Position the loom of white wire on the front side of the Control Unit, and route the ground wire towards the rear of the vehicle.

Secure the Control Unit to the frame rail using a 6mm Allen head bolt and washer, at **Arrow H** in **Figure 7**.

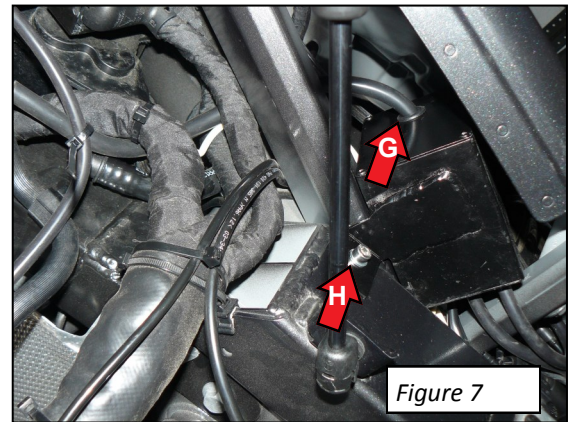


Figure 7

Step 9

Secure the loop terminal on the end of the Control Unit ground wire to the existing grounding bolt, at arrow in **Figure 8**.

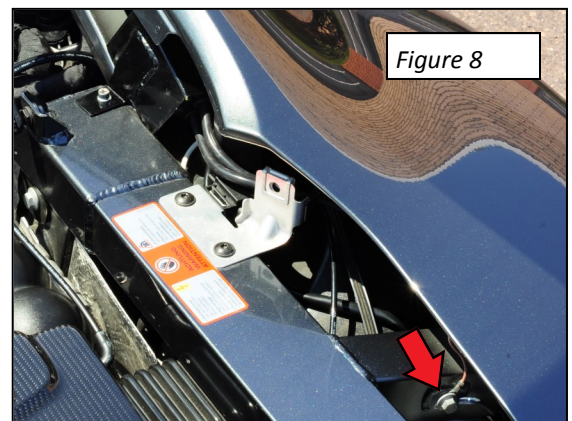


Figure 8

Step 10

To route the white wire into the passenger compartment, remove the interior trim pieces so the wire can be passed through the main wiring harness grommet.

First remove the carpeted rear deck cover by removing just the two rear bolts, at arrows in **Figure 9**.

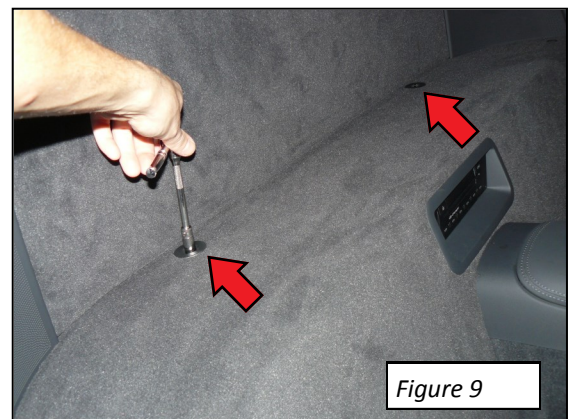
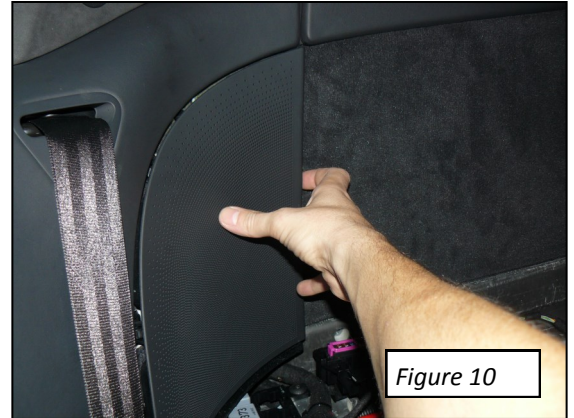


Figure 9

Step 11

Carefully pry off the passenger side speaker cover as shown.



Step 12

Remove the trim piece above the passenger side speaker as shown.



Step 13

Remove the inner door sill panel at arrow in **Figure 12**.



Step 14

Carefully pry out the plastic rivet at the base of the B pillar trim as shown.

Then remove the lower B pillar trim.



Step 15

Carefully pry out the plastic rivet at the base of the A pillar trim.



Step 16

Carefully pry off the plastic cover to the right of the passenger side air vent.



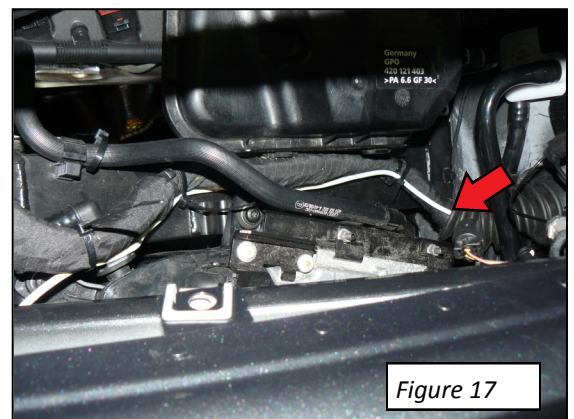
Step 17

Remove the lower A pillar trim and pull back the carpet to expose the fuse box.



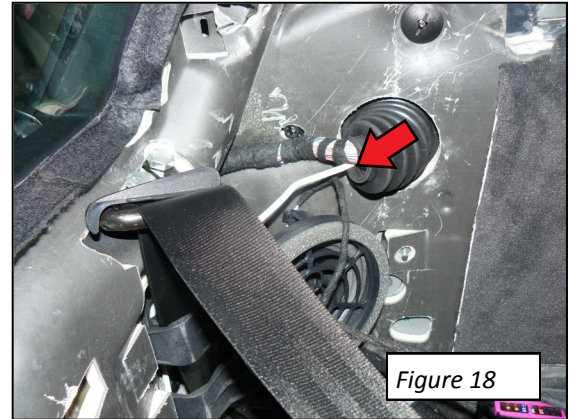
Step 18

Using a razor blade cut a small hole in the engine bay wire harness boot, at arrow in **Figure 17**.



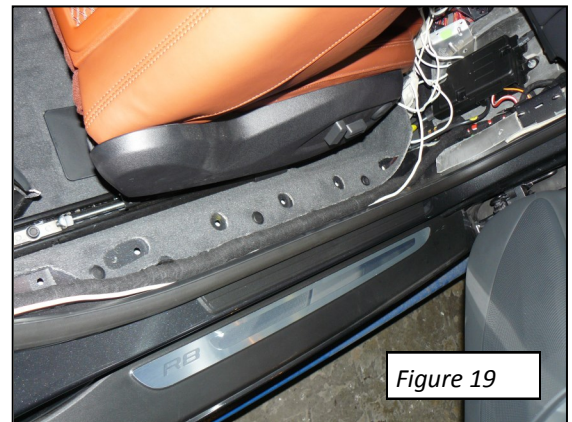
Step 19

Using mechanic's wire, fish the white wire through the wiring boot into the passenger compartment above the rear speaker.



Step 20

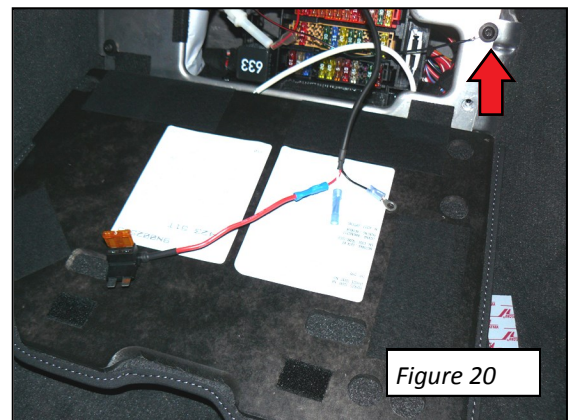
Route the wire along the existing factory wire harness at the door sill area, and forward to the fuse box.



Step 21

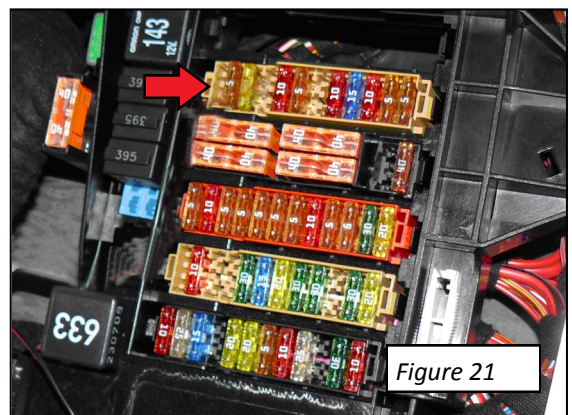
On the cockpit pushbutton switch:

- 1) Attach the included ring terminal to the black wire. Ground the ring terminal by placing it under one of the black screws that secures the metal frame surrounding the fuse panel, at arrow in **Figure 20**.
- 2) Connect the white wire to the Control Unit white wire with a blue butt connector.
- 3) Connect the fuse holder tap to the red wire with a blue butt



Step 22

Insert the fuse holder tap in the top left open slot in the panel, at arrow in **Figure 21**.



Step 23

Remove the trim panel on the side of the center console and route the pushbutton switch to the area shown. Secure the switch using the included double sided tape.

(Please note that the vehicle in the images has an aftermarket radar detector previously installed.)

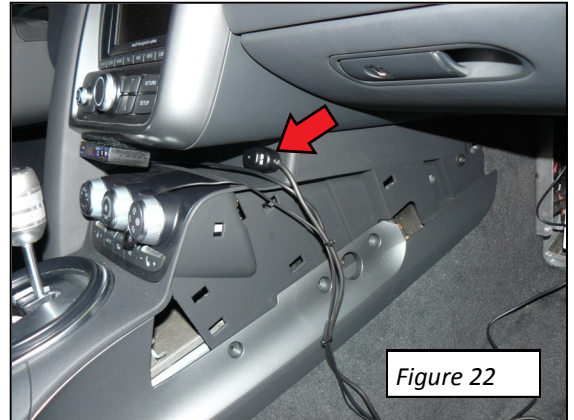


Figure 22

Step 24

To test that the SwitchPath™ system is fully operational, start the car and let it warm up. Pushing the button on the cockpit switch will activate the exhaust control valves and should noticeably change the exhaust volume.

Further, with the bumper removed, the action of the valves can be observed when the button on the switch is pushed.

When the LED on the switch is red, the exhaust control valves are closed at idle and part throttle, and open at accelerator pedal positions more than 3/4 depressed. The red LED is designed to blend in with the factory instrument lighting. This mode is ideal for street driving.

When the LED on the switch is green, the exhaust control valves are open all the time. The green LED is designed to contrast with the factory instrument lighting and to alert you when this mode is engaged. This mode is ideal for track driving or competition.

Make sure all of the wires and connection are secure, tighten all zip ties in the passenger and engine compartments, and reinstall the interior trim pieces and engine cover.

ENJOY

Once installed properly, your AWE Tuning high performance exhaust will provide a lifetime of trouble free performance.

When standing behind the vehicle while the engine is being revved, a light clicking sound may be observed from the exhaust area. This sound is from the control valves moving and is normal.

Also, please note that the exhaust volume and sound will settle with usage. 800-1000 miles is typically required to



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

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Thank you for choosing AWE 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. (AWE Tuning) warrants to the original retail purchaser (Consumer) this product (R8 4.2L SwitchPath™ Exhaust) against manufacturing defects for LIFETIME.

Upon verification of warranty coverage, AWE 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, labor costs, shipping costs, 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 AWE Tuning directly.

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