



INSTALLATION GUIDE

2012-15 Porsche 991S SwitchPath™ Exhaust

Congratulations on your purchase of the AWE Tuning SwitchPath™ Exhaust for the 2012-15 Porsche 991 Carrera 2S and 4S.

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

Contact us with any installation questions.

215-658-1670

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Exhaust Parts

- 1 main exhaust section
- 1 driver side valve actuator assembly
- 1 passenger side valve actuator assembly
- 2 63.5mm Accu-Seal clamp
- 2 3.12" high temp t-bolt clamp
- 2 mount support shim
- 2 exhaust gasket
- 6 M8 copper lock nut
- 6 M8 washer

Optional tips:

- 4 90mm tip (optional color)
- 4 2.5" t-bolt clamp
- 4 tip inlet shim

Valve Actuator Connector Parts

For cars equipped with PSE system:

- 1 35" vacuum hose
- 1 metal tee fitting
- 6 pinch clamp

For cars without PSE system:

- 1 35" vacuum hose
- 1 hose coupler

Step 1

Remove factory center muffler:

Remove exhaust tips.

Remove bumper cover.

Remove nuts fastening center muffler to catalytic converters (3 per side).

Loosen sleeve clamps and slide them outwards onto side muffler inlet tube.

Disconnect valve actuator vacuum hoses.

Slide side muffler brackets off catalytic converter studs and push each side muffler into its respective fender well.

Remove center muffler mounting straps.

Pull center muffler rearward to free from catalytic converter studs and remove from car.

Step 2

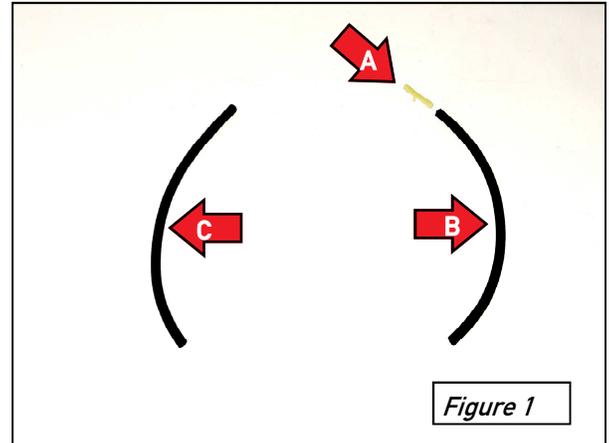
With the factory center muffler removed, install the supplied valve actuator high temperature vacuum line extensions.

On non-PSE (Porsche Sport Exhaust) cars:

Insert the supplied hose coupler into the end of the factory passenger side factory tee fitting, at **Arrow A** in **Figure 1**.

Next, cut two 10.5" long hose lengths from supplied 35" hose, at **Arrows B and C**, and attach one to the coupler.

Then, remove the driver side factory valve hose elbow from the hard line and install the other 10.5" long hose, at **Arrow C**, directly to hard line outlet.



On PSE (Porsche Sport Exhaust) equipped cars:

Remove the factory vacuum line assembly completely.

Then, cut a 1.5" long hose length from supplied 35" hose, at **Arrow A** in **Figure 2**, to the port found on the engine heat shield.

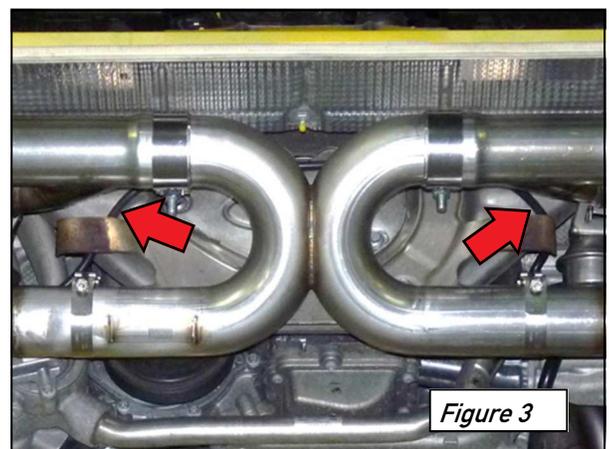
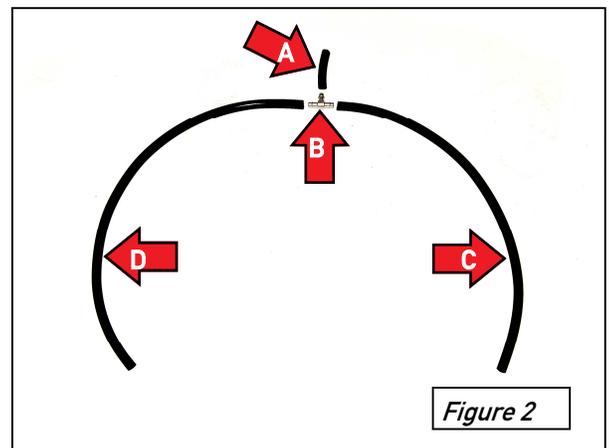
Next, insert the supplied tee fitting, at **Arrow B** in **Figure 2**, to this hose.

Cut a 13.5" long vacuum hose length and attach to the passenger side of the tee fitting, at **Arrow C** in **Figure 2**.

Then, cut to length the remaining hose and attach to the driver side of the tee fitting, at **Arrow D** in **Figure 2**.

Last, install the supplied pinch clamps on each of the junction points of this assembly.

To ensure that the hoses do not melt from exhaust heat, route them behind the factory mounting plate on PSE equipped cars as shown at arrows in **Figure 3**.



Step 3

Install AWE Tuning SwitchPath™ exhaust:

Preassemble driver side and passenger side valve actuator assemblies onto the main exhaust section using the enclosed 63.5mm Accu-Seal clamps. **Rotate the clamps so that they can be fully tightened down once the bumper is reinstalled.** Do not fully tighten the clamps at this time.

Install supplied new exhaust gaskets onto catalytic converter studs.

Align both flanges of the main exhaust section with the catalytic converter studs on both sides and seat the exhaust onto the studs. Take care, it is a tight fit.

Pull the factory side mufflers and brackets back into place on the catalytic converter studs. Note that each flange has provisions for the collars on the muffler bracket to seat into. Reinstall the factory nuts and tighten the exhaust to the catalytic converters.

Slide the sleeve clamps between the side mufflers and the AWE Tuning exhaust into place. **Rotate the sleeve clamps so that they can be fully tightened down once the bumper is reinstalled.** Do not fully tighten them at this time.

Loosely install the exhaust tips, and adjust valve actuator assemblies of the AWE Tuning exhaust left-right and rotationally to allow the tips to sit level and properly spaced.

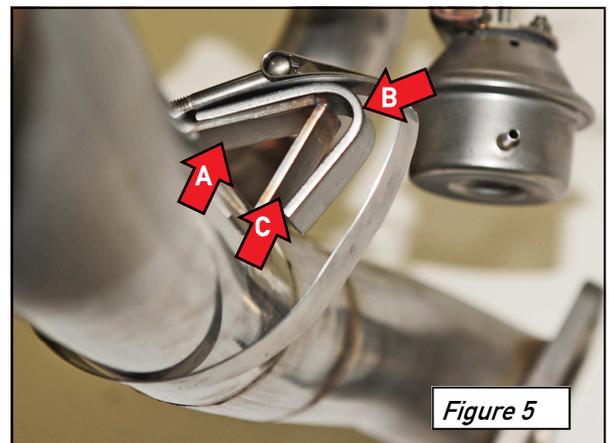
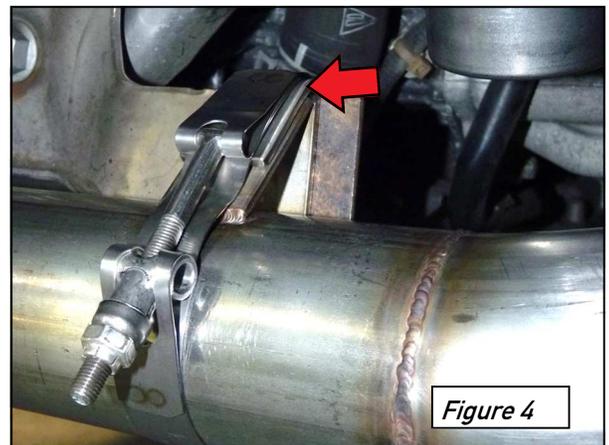
Test fit the bumper at this time, and adjust alignment and rotation of sections as necessary. Once properly lined up with the bumper, fully tighten down the sleeve clamps and Accu-Seal band clamps.

Step 4

On each side, place a supplied V-shaped support shim over top of the factory exhaust mounting plate, as shown at arrow in **Figure 4**. The support shim overlaps the sloping face of the bracket on the AWE Tuning exhaust and the back face of the factory exhaust mounting plate, both driver and passenger sides.

Remove the nut from each supplied t-bolt clamp and slip a clamp around each bracket/plate/shim assembly as shown in **Figure 4**. Reinstall the nuts and tighten down the clamps.

Figure 5 shows an alternate view of this assembly with the exhaust off the car. Exhaust bracket is at **Arrow A**, shim is at **Arrow B**, and the factory mounting plate would insert in the gap between them at **Arrow C**.



Step 5

Complete re-assembly in reverse order of disassembly. Do not forget to attach the vacuum hoses to the new valve actuators.

If the optional AWE Tuning tips were purchased, insert a shim between each tip inlet its corresponding exhaust tailpipe. Each tip should fit on each tailpipe very snugly with the shim properly in place.

Apply a dab of anti-seize paste to the threads of the supplied t-bolt clamps and use them to fasten the tips onto the tailpipes. Set proper stagger and depth on each side, rotate the t-bolt clamps so their threaded studs are not visible from the rear of the car, and then fully tighten.

ENJOY

If equipped with our exhaust tips, use only soap and water or a gentle car wax in order to clean their finish.

IMPORTANT NOTES ABOUT OPERATION:

The sound volume of the AWE Tuning SwitchPath™ Exhaust for the 2012+ Porsche 991 Carrera 2S and 4S should not be much louder than the stock exhaust at idle or during normal part throttle driving (below 3200 rpms) when in Normal mode. If the sound volume is significantly louder during these phases of operation, make sure the vehicle is not in Sport or Sport Plus mode (PSE owners, also make sure your exhaust console switch is in Normal mode), and verify proper operation by having an assistant rev the car while observing the exhaust valves. The valve actuators should move once the engine passes 3200 rpms.

If the valves are not operating properly: double check the vacuum line installation. There should be no leaks or kinks. If vacuum lines are installed properly and the valves are still not moving properly, most likely your vehicle is a candidate for the **Porsche Technical Service Bulletin WC-43 Campaign**. The electrical components of the factory valve system are known to fail, which is covered by this service campaign. If your vehicle is a candidate for this campaign, it is safe to drive with the malfunctioning electrical components until the repair can be conducted.



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.

This Limited Warranty supersedes all other warranties and guarantees except the coverage offered by the AWE Tuning Sound Satisfaction™ Guarantee.

Limited Defect 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 (991 Carrera S/4S SwitchPath™ Exhaust System) against manufacturing defects for:

ONE YEAR on Exhaust Tip finish
LIFETIME on balance of parts

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, shipping costs, installation labor 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.



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AWE Tuning Sound Satisfaction™ Guarantee.

The latest Porsche 991 Exhaust is AWE Tuning's finest system to date. Perfect fitment, sound, durability and looks. We're so sure you'll agree, that AWE Tuning is offering an unprecedented return or replace policy for this system. In the unlikely event that you don't love the sound of the AWE Tuning Porsche 991 SwitchPath™ Exhaust for any reason, you have thirty-days after purchase to replace it or return it, and we'll cover your labor to remove the system, put your stock system back on, even the labor retroactively for the initial install.

The fine print:

Sound Guarantee: Does not cover any dissatisfaction with tone on PSE equipped cars when the valves are manually opened by the separate exhaust control switch, or when operating the car in Sport or Sport-Plus modes. Further, the guarantee only applies to exhausts used in conjunction with the factory Porsche headers, catalyts, and side mufflers. AWE Tuning offers no warranty on sound when the exhaust is used with anything other than these stock parts, or when anything other than normal operational mode is selected. Proof of mode will be required.

Condition of system: System must be returned in good condition, with no signs of abuse, incorrect installation, forced installation, motorsports usage, or product altering whatsoever. Refund will be granted upon receipt of product at AWE Tuning, after inspection.

Period: This Sound Guarantee extends from date of original sale (either from AWE Tuning to customer or from AWE Tuning dealer to customer, with proof of purchase required) for 30 days. Please note that this is not from date of installation, it is from date of sale. Submission for guarantee is not considered official until the Returns Form is completed and submitted, which must be within the 30 day period.

Labor: AWE Tuning will cover the labor expenses of a certified AWE Tuning dealer to install AWE Tuning exhaust (including removal of stock system) and the return to previous state including removal of AWE Tuning exhaust and re-installation of stock/another system. AWE Tuning reserves the right to limit time spent as well as labor rates to reasonable amounts at its own discretion. Contact us for specifics, including rates and coverage details.

Shipping: Customer is responsible for all shipping.

Other: Only valid for systems sold in the United States.