



INSTALL GUIDE

Porsche 991 & 991.2 Twin Turbo / Turbo S Valvetronic Supersport X-Pipe Exhaust System



Difficulty



Specialty Tools Required

Soldering Iron / Solder
Electrical Tape
Low Profile T45 Torx
Multimeter

Low Profile T25
Masking Tape

CAUTION

- Always allow car to cool before performing any installation(s) or service(s) on it.
- Always disconnect negative battery terminal before beginning service.
- Always be sure to work on an even and level surface when raising vehicle(s) with a jack, and support all raised vehicles with locked jack stands once elevated.
- Fabspeed Motorsport recommends that all installations be supervised or verified by a trained professional technician.
- Fabspeed Motorsport is not responsible for any personal injury or damage(s) sustained to a vehicle during installation of aftermarket performance parts.



1. This guide outlines how to install the valve controller. The exhaust portion is outlined in this [INSTALL GUIDE](#).
2. Fully extend spoiler.
3. Raise Vehicle on lift or jack stands.
4. Remove engine covers. Start by removing the hard ring from the intake accordion. This allows the fan cover to pop off around it. Next fans pop out, followed by the intake duct and right-side cover. These are all push connections, no fasteners.



5. Remove spoiler base hardware. (x2) T30 bolts. Pushing forward on the very trailing edge releases the remaining clips. Spoiler base cover is now free. Lift up and tape to extended spoiler.

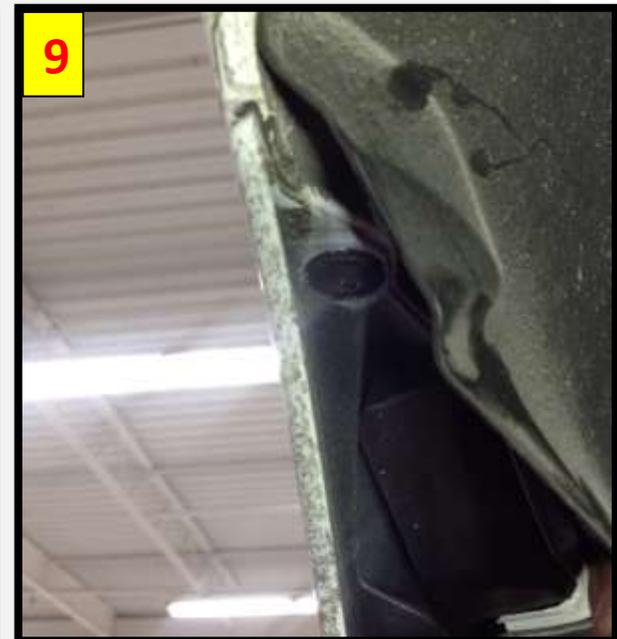




6. Remove taillamps. (x2) T25 bolts per side. Swing out and disconnect the wire connection.

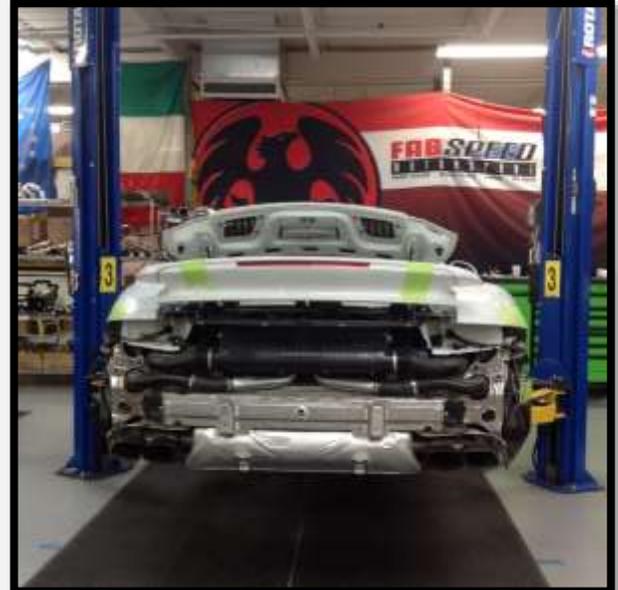
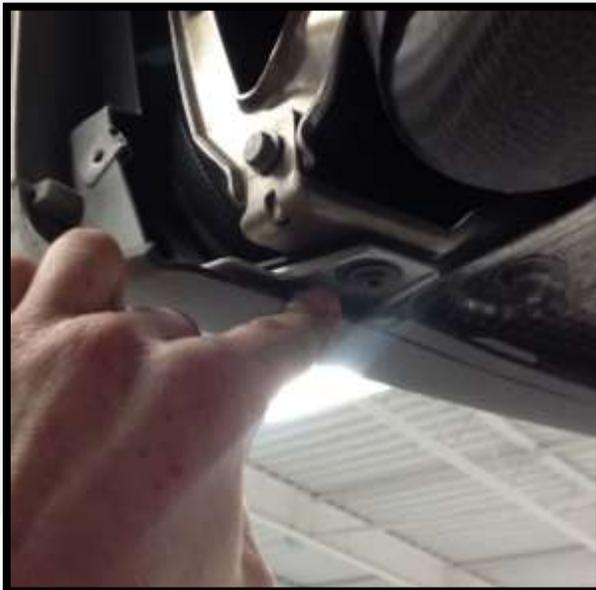


7. Disconnect the rear bumper harnesses. (x2) Behind right side taillamp. (x1) Behind left. Tip: taping them to the bumper cover makes reassembly easier and prevents missed connections.
8. Remove splash guards. If vehicle is equipped with center lug wheels the liner can be removed with wheel in position, but a very low profile T25 driver is necessary.
9. Remove hidden T30 bolt facing up from inside wheel well. This retains the bumper cover's forward leading edge.



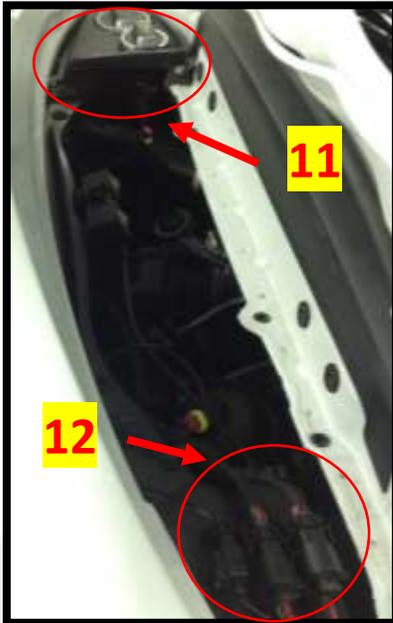


10. Remove remaining bumper cover hardware located at the top edge below the spoiler, bottom edge, and one behind each taillamp. All are T30 shouldered bolts. Taping over the quarter panel at the bumper edge helps prevent scratches during removal. Pulling out and rearward from each side removes the bumper cover. One person on each side suggested.





11. Remove coolant fill cap. Single 10mm bolt retains the oil fill surround cover. Carefully lift cover to gain access to spoiler assembly bolt.
12. Disconnect spoiler assembly electrical connectors.
13. Remove (x4) T45 bolts securing spoiler assembly. Carefully lift spoiler from vehicle. Low profile T45 is required to fit below spoiler base cover.



14. Identify the engine harness bulkhead connectors located in the upper right-hand corner of the engine bay. Locate the large red with yellow wire in the first connector. This wire is your switched 12v power for the module. **Always verify yourself with a multimeter.** Do not cut wire. Strip, solder, and tape the splice.

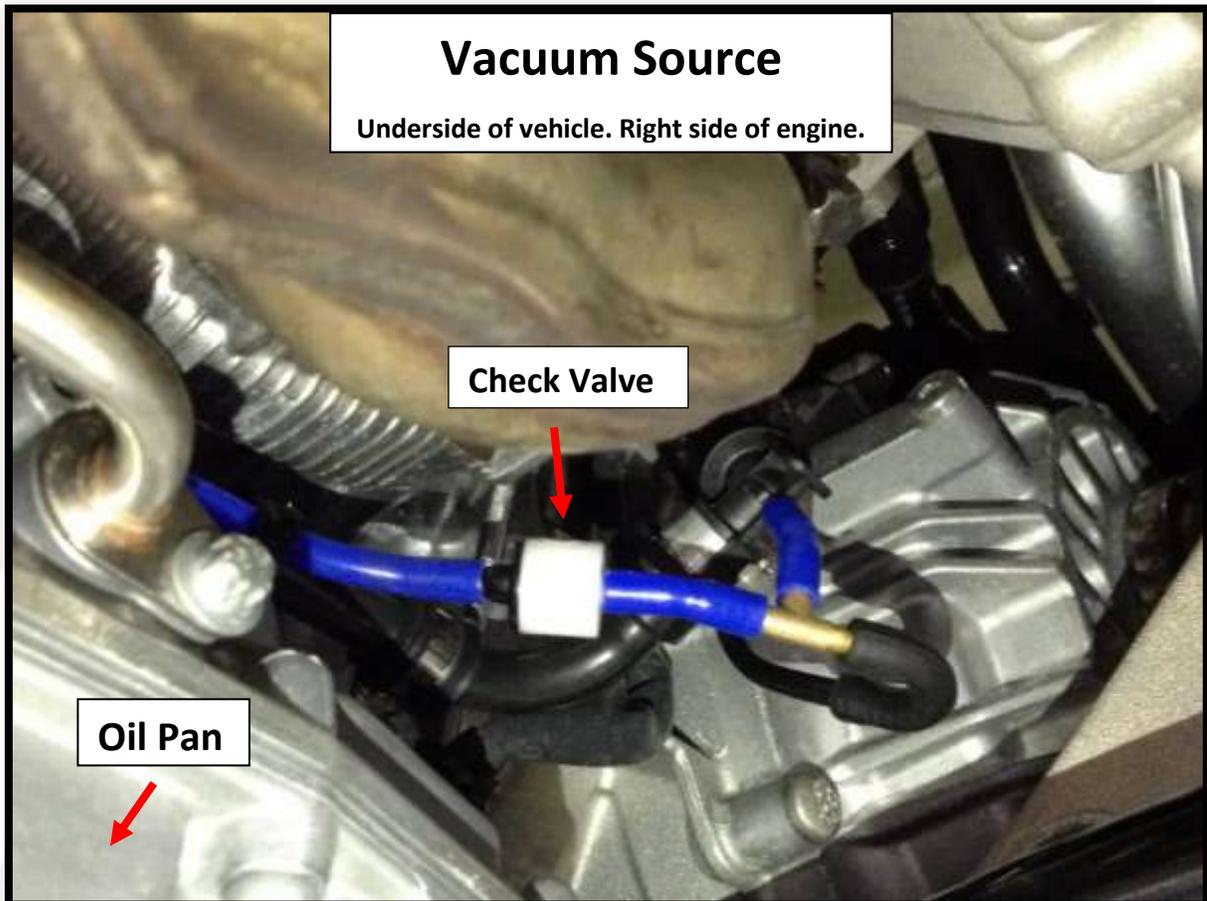




15. Right side engine mount serves as a good ground with clean wire routing.



16. Suggested plumbing and wire routing for a clean install. Secure with zip ties away from heat, rain water, and moving parts. Be sure to not rub on a sharp edge that can chafe through and cause future problems.



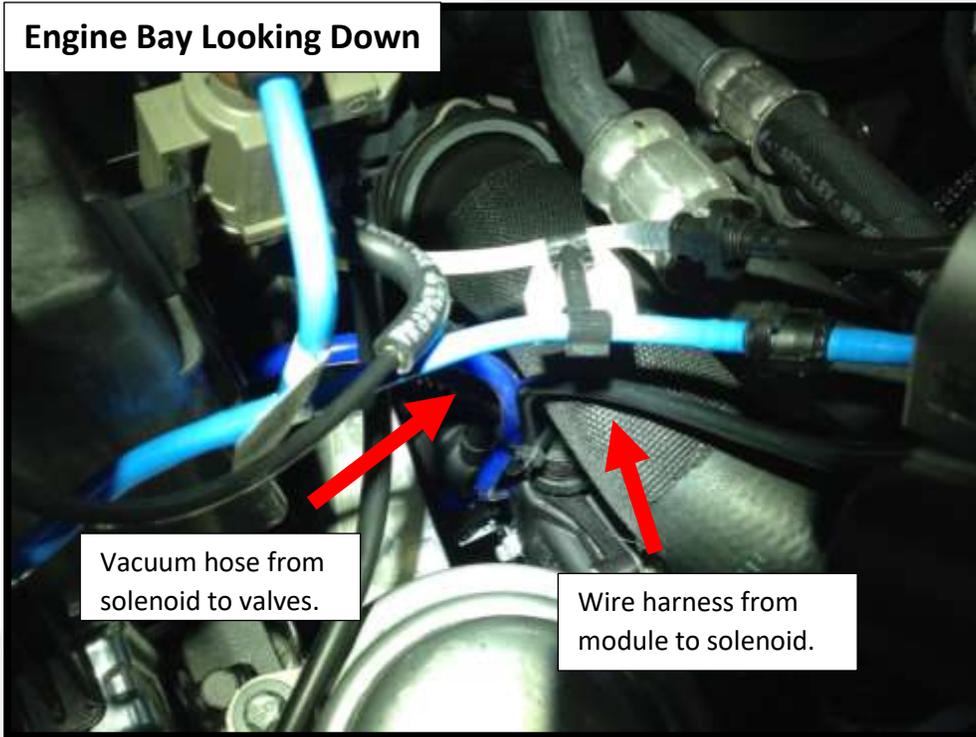


Solenoid Location



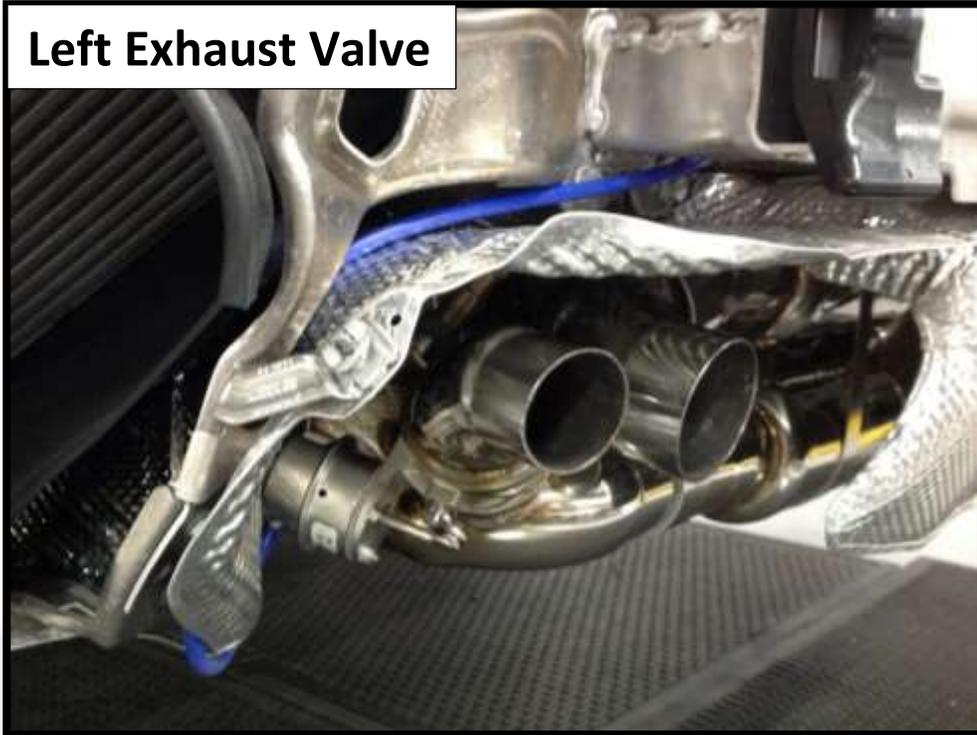


Engine Bay Looking Down

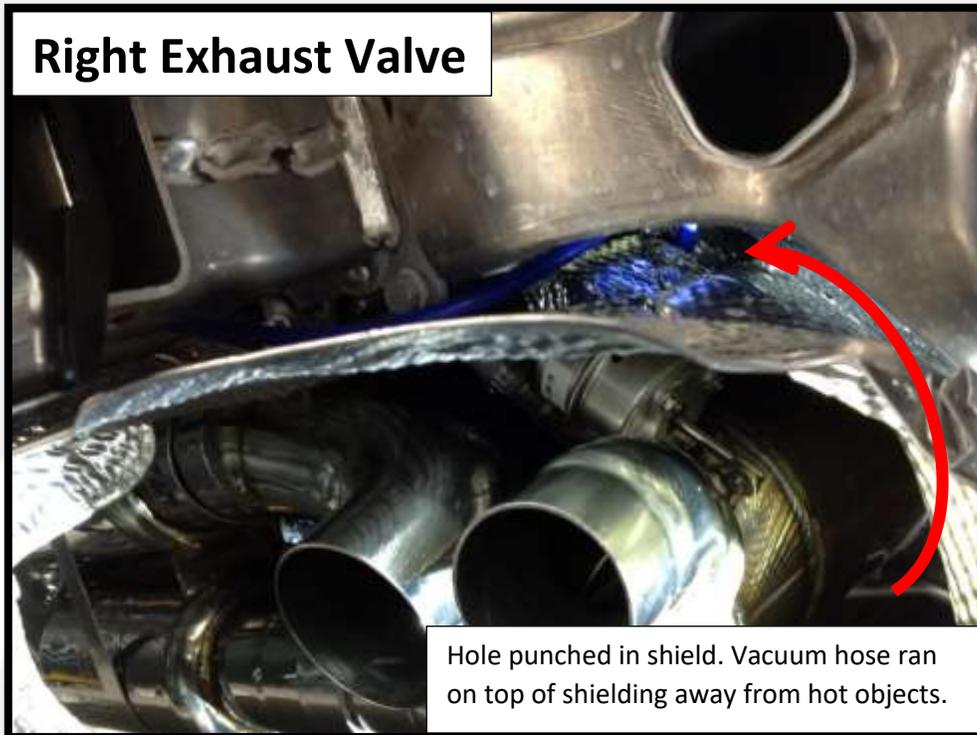




Left Exhaust Valve



Right Exhaust Valve



Hole punched in shield. Vacuum hose ran on top of shielding away from hot objects.



Module Location



Upper right-hand corner of the engine compartment above the engine harness bulkhead connectors is a safe, dry location away from heat.

17. Double check all connections. Start engine and verify proper operation before reassembly.
18. Follow steps 1-13 in reverse operation to complete installation.

If you have any questions, comments, or concerns related to your product, please contact us!