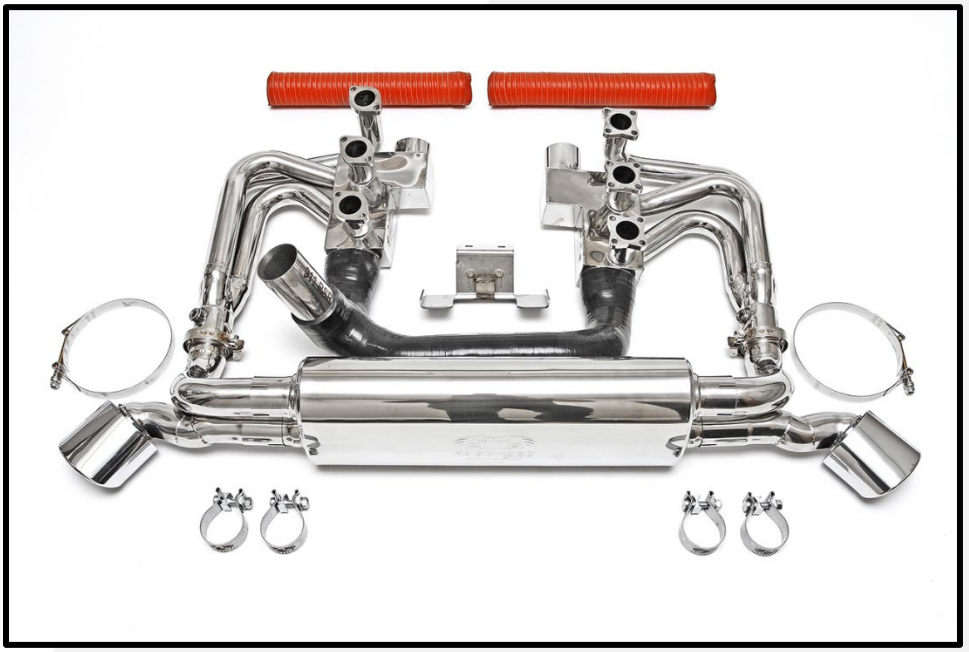
INSTALL GUIDE

Porsche 911 Carrera RSR Header Muffler Kit for 3.2L



Difficulty

Expert

Specialty Tools Required

Deep Oxygen Sensor Socket
Oxy Acetylene Torch
Painters Masking Tape
Cutoff Wheel or Air saw
Engine oil

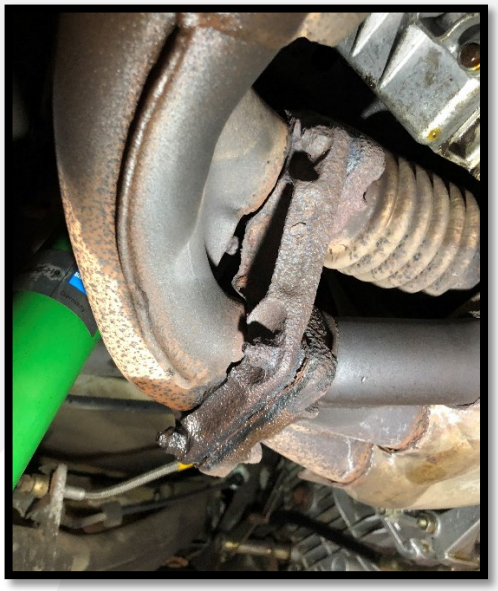
CAUTION

- *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. Raise vehicle on lift or jack stands.
2. Remove rear wheels.
3. Due to the age of these vehicles you will most likely be cutting some of the factory hardware and replacing it. Extreme care must be taken when using a torch. If you don't have experience using such a tool. Seek other methods or leave the install to a professional.
4. Remove heat shield.

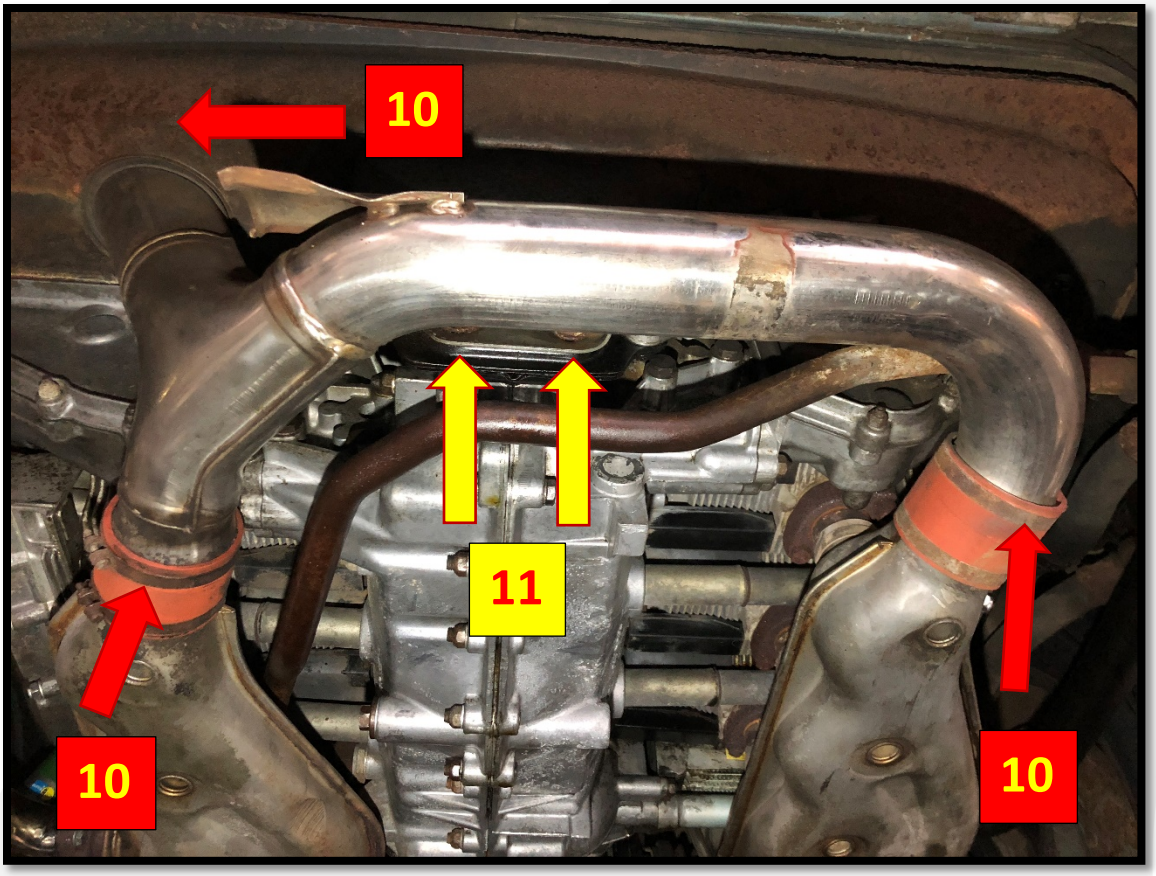


5. Using a deep oxygen sensor socket remove oxygen sensor. Take care not to damage. If in poor condition now is a good time to replace it.
6. Remove hardware at catalytic converter and muffler Joint.
7. Remove band strap around factory muffler to remove stock muffler from car.
8. From catalytic converter side of flange cut hardware joining catalytic converter to heat exchangers.
9. Remove stock catalytic converter

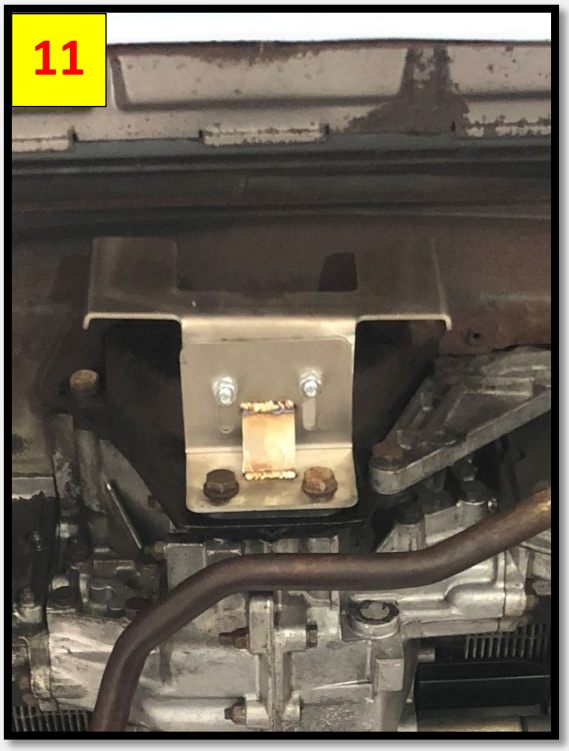




10. Loosen hose clamps on heat crossover pipe. One at each heat exchanger and 3rd inside of engine compartment. Remove heat crossover pipe.
11. Remove two bolts holding stock muffler hanger in place and install Fabspeed muffler hanger bracket.

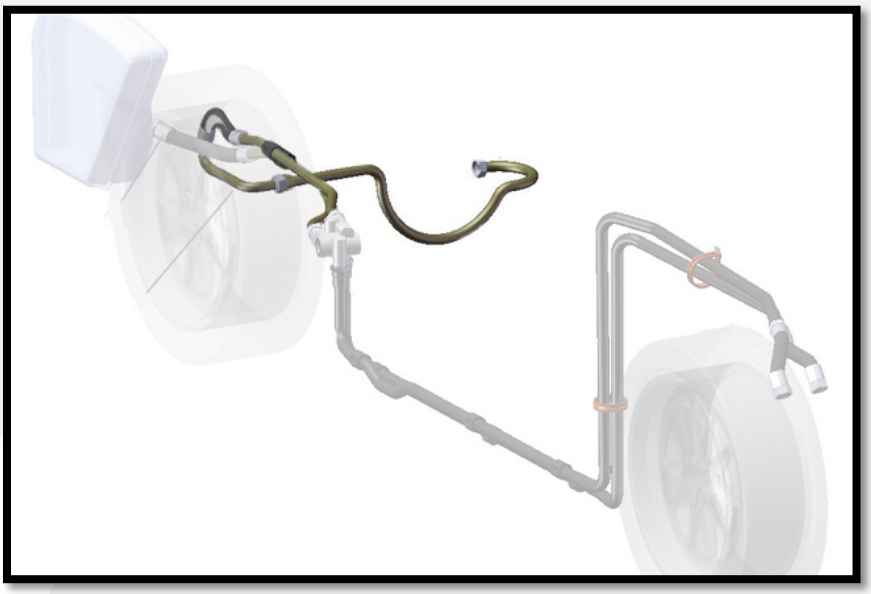

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12. Remove heat ducting from front of exchangers.
13. Soak heat exchanger studs with penetrating oil.
14. Support heat exchangers with a jack or suitable object.
15. Removing heat exchanger nuts without damage is a tedious act but fully possible with some patience. Carefully heat exchanger nuts with a torch. While they are glowing red loosen them with hand tools. The nuts should loosen with light force, take care not to break them. If nut did not loosen allow to cool, soak it with oil, and repeat step. Repeatedly heating the nut without slowly cooling it will transfer heat into the stud weakening it.
16. Chase threads of studs and clean gasket sealing area of cylinder heads.
17. Remove oil line from engine casing to thermostat housing. Catch and measure lost oil.

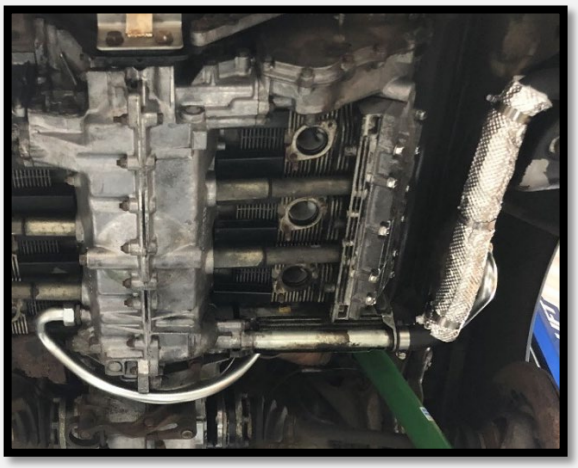




18. Install supplied oil lines.

19. Wrap oil supply line from oil tank with heat wrap.





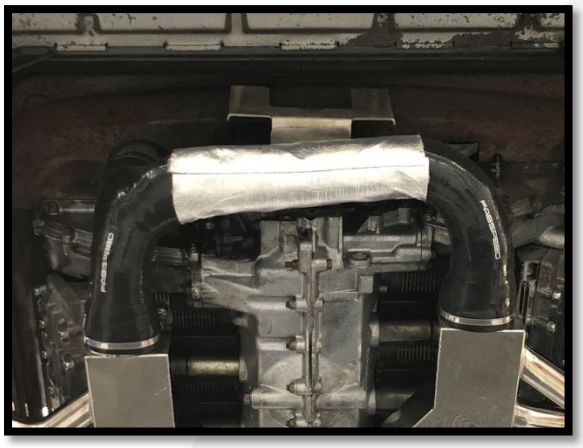
20. Reroute oxygen sensor wiring as shown.



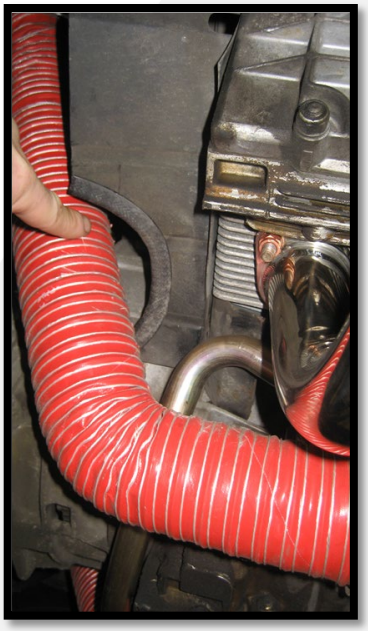


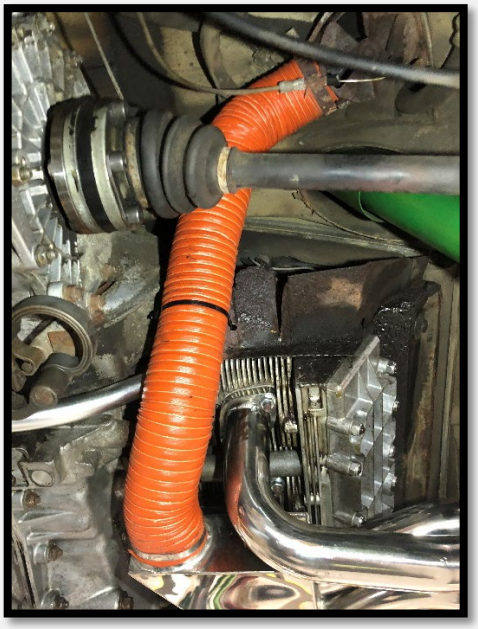
21. Install and torque Fabspeed headers. Use new gaskets. High temp copper anti-seize on hardware is recommended.
22. Install oxygen sensor. Again, high temp copper anti-seize is recommended.

23. Install Fabspeed molded silicone heat ducting.

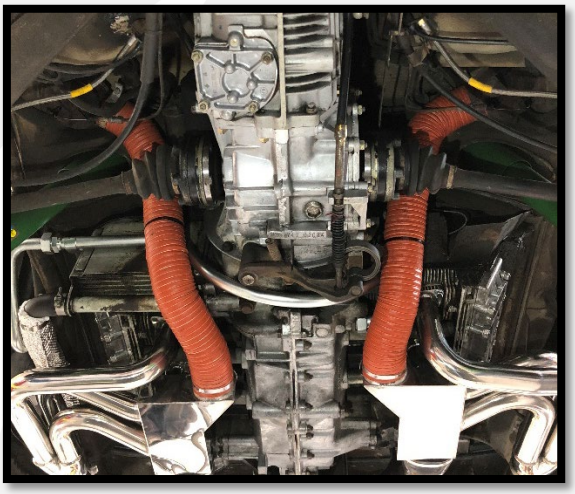


24. Trim shielding on left front of engine for heat ducting clearance as shown.



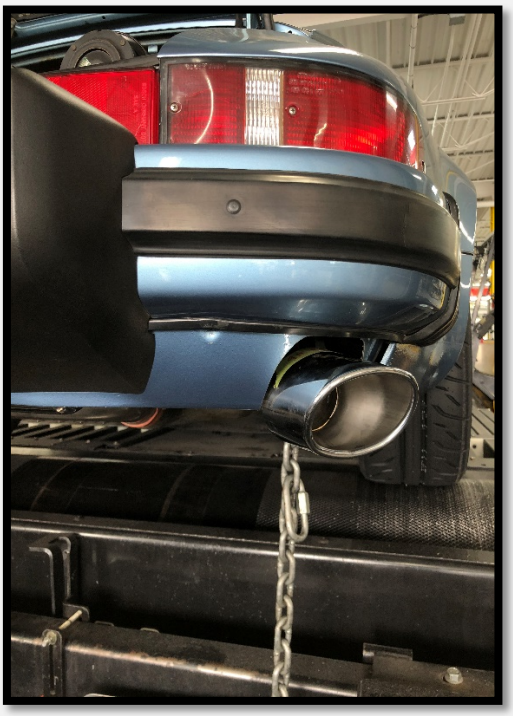


25. Install corrugated heat ducting. Secure with wire ties to ensure no interference with cv shafts is made.



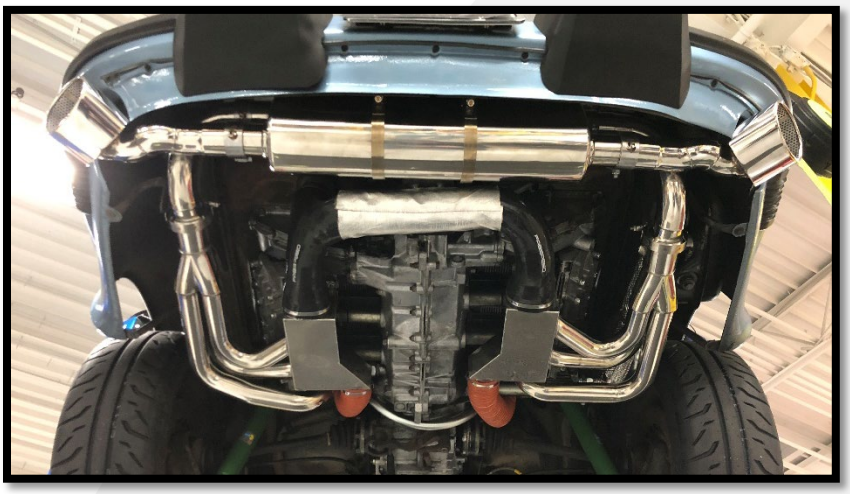
26. Tape right side of lower valance with painter's tape.
27. Trace left side exhaust outlet radiuses on piece of paper or cardboard to create templates.
28. Measure left side opening from similar points of reference on the bumper.
29. Transfer measurements to right side.
30. Use templates to mimic radiuses.
31. Carefully cut valance with an air saw or cutoff wheel. Do not allow cut to get hot or paint will burn or peal.
32. Coat any bare metal with paint or undercoat.

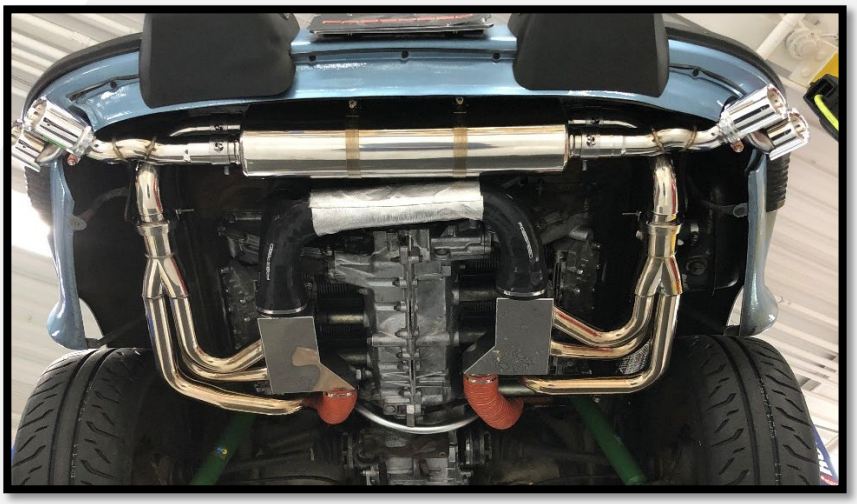


[Link to video demonstration.]

33. Loosely install exhaust system using supplied hardware. Adjust Fabspeed exhaust system so that the tip outlets are centered in the bumper openings as desired. Working from the exhaust tips forward tighten down the accuseal clamps, muffler hanger, band straps, and v-band clamps. Double check all clearances and readjust as necessary.





34. Top off engine oil with amount measure in step 17.
35. Allow engine to reach operating temperature. Check engine oil level, retorque all hardware, and double check all clearances. Adjust if necessary.
36. Enjoy!

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