

#TL100133

INSTALLATION MANUAL

CBK0024,28,29,30

APR 718 Catback Exhaust

APR



Notes:

These instructions were written for a North American specification 718 Cayman GTS, but other models, like the Boxster are similar.

When disassembling the car, be sure to keep all fasteners so they can be reused. It is recommend that you get some kind of compartmented tray to organize the fasteners, such as a fishing tackle box or several large ice cube trays. Fasteners that are not reused for reinstallation are noted in the instructions. All directions used in this manual (right, left, front, etc.) are based on if you were sitting in the drivers seat of the car.

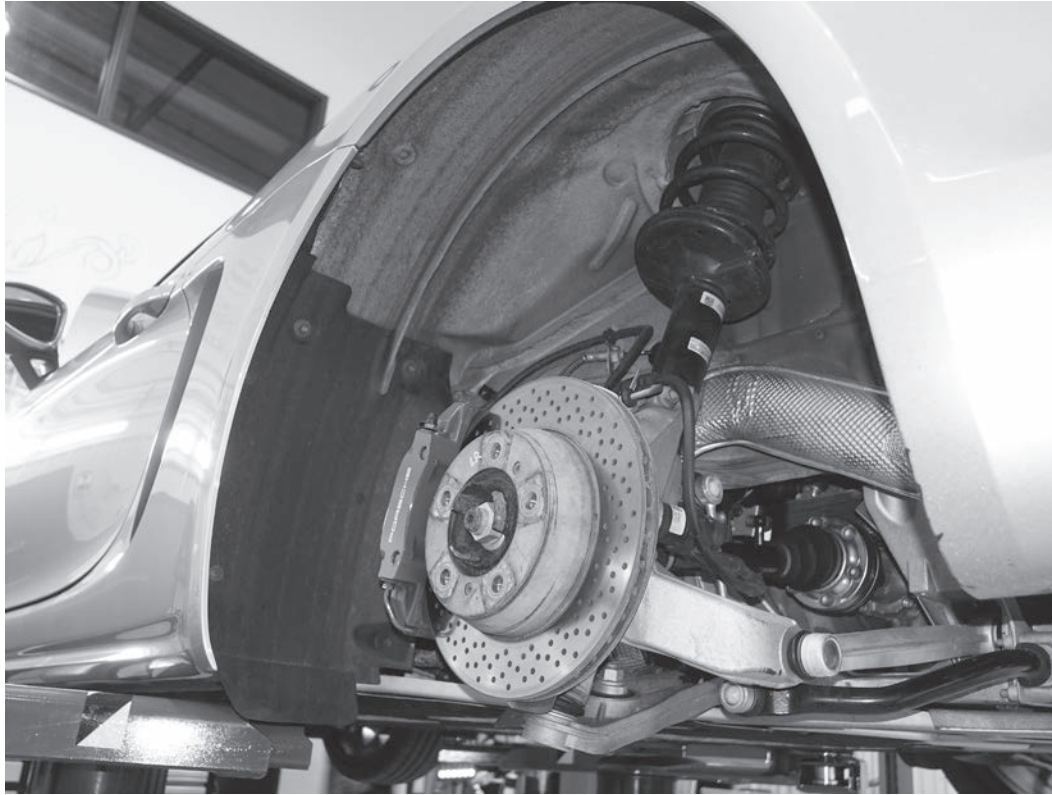
These instructions assume that you have basic mechanical skills and several varieties of basic hand tools in order to install the kit. If you have any questions about the install, feel free to contact your APR representative.



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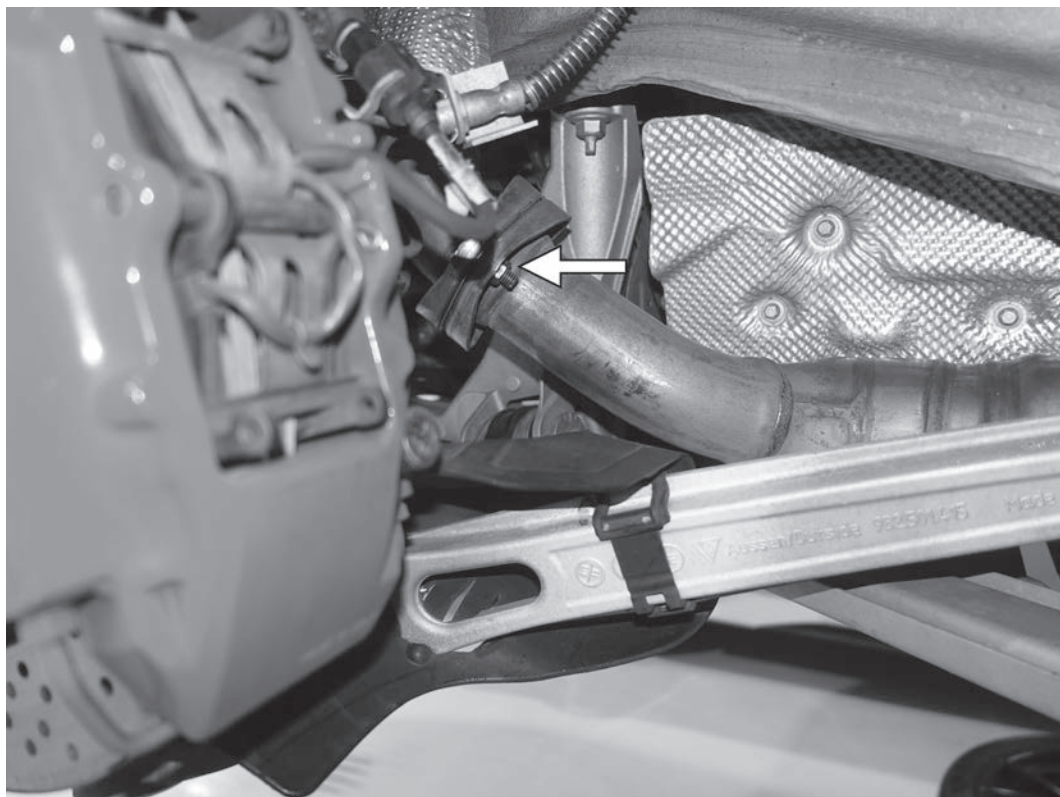
1) Securely support the vehicle on a lift or jack stands, and remove both rear wheels.

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2) In the left wheel well, remove the two 13mm nuts holding the catback portion of the exhaust to the front portion of the exhaust.



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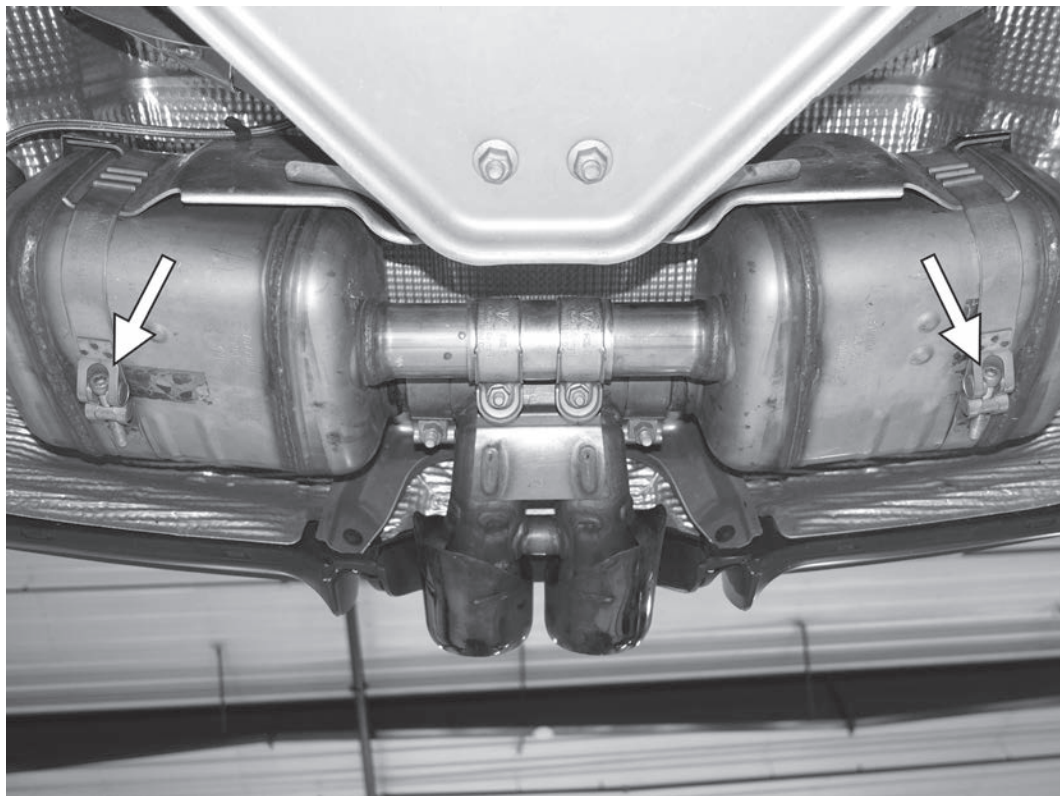


3) In the right wheel well, remove the two 13mm nuts and bolts holding the catback portion of the exhaust to the front portion of the exhaust.

4) On the right side of the factory exhaust, disconnect the vacuum line from the top of the exhaust valve. It is not necessary to cut the crimp clamp; simply pull the hose off.



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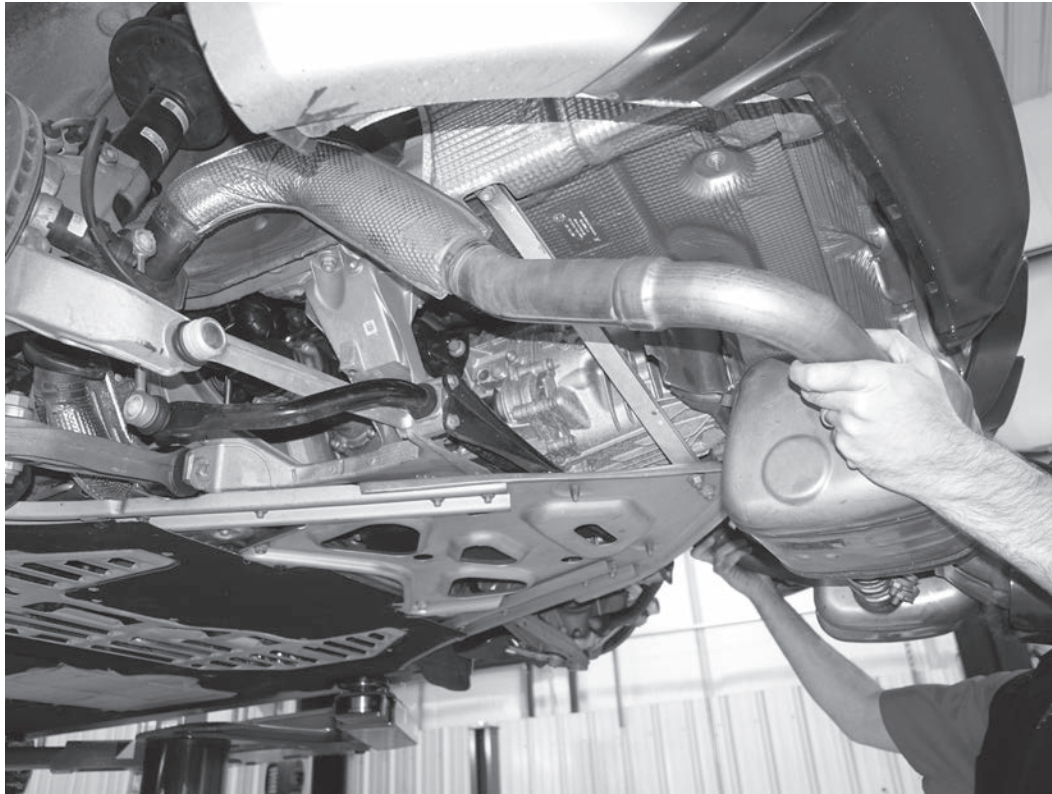
5) Loosen the two 6mm allen screws holding the muffler clamps. Fully separate the screws and remove the large clamps from the car.

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6) With an assistant, lift up on both rear mufflers, lifting the rear muffler assembly off the metal tabs that they hang from. Once raised, pull the rear muffler assembly slightly towards the rear of the car.



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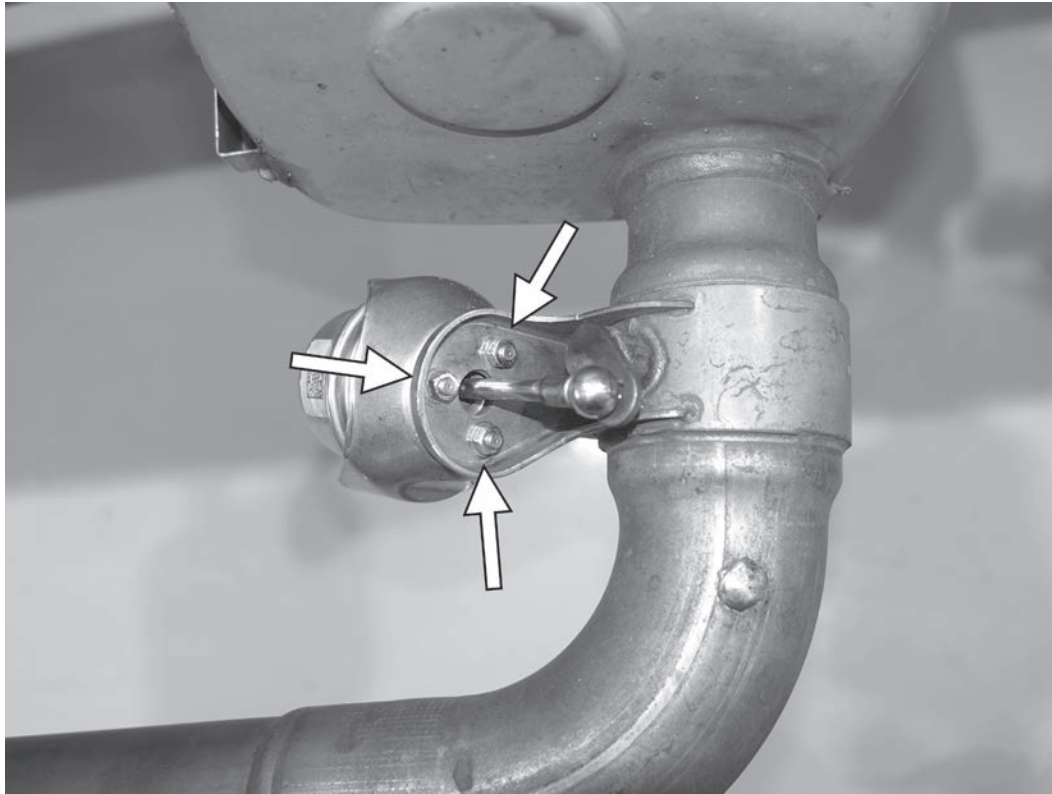
7) Lower the rear portion of the rear muffler assembly, maneuvering the front portion of the rear muffler assembly away and back from the rear suspension. Remove the rear muffler assembly from the car.

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8) On the stock exhaust valve, remove the retaining clip holding the actuator rod socket to the ball joint on the valve. Pry the clip up and off the rod portion of the socket joint. Then, pry the remaining side of the clip off which wraps around the socket. Do not lose the retaining clip.



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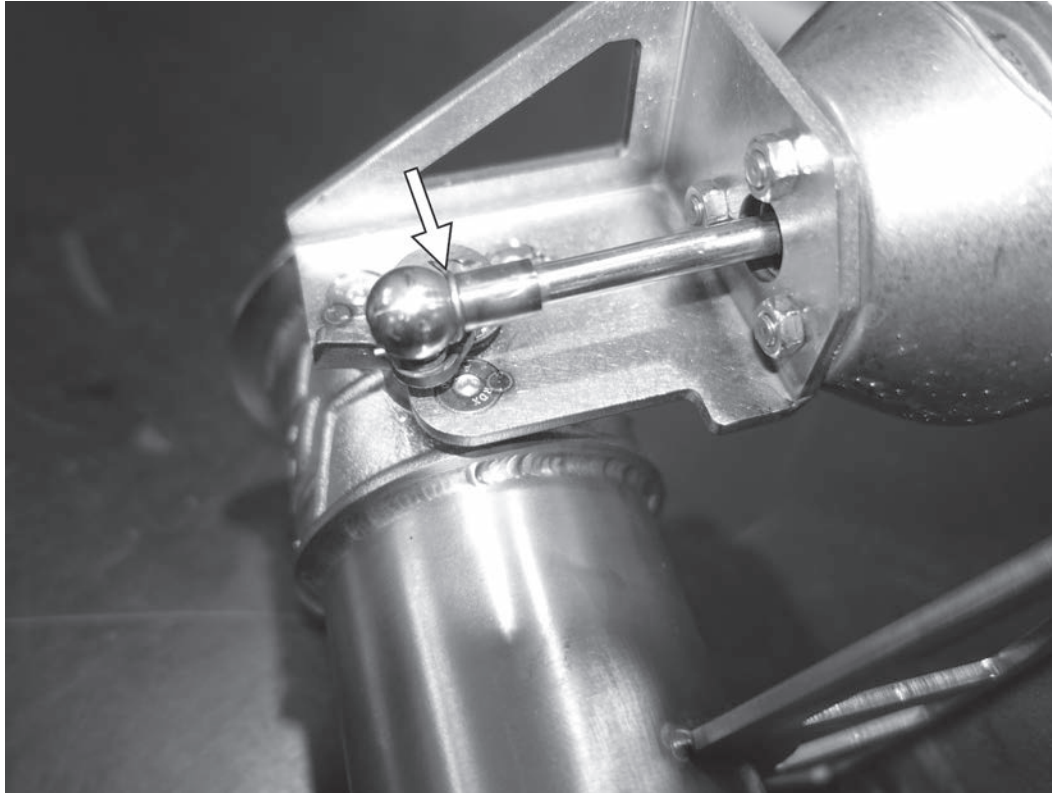


9) Remove the three 8mm nuts that hold the exhaust valve actuator to the mounting bracket on the exhaust. Then pop the socket off the ball joint of the actuator rod and remove the actuator from the car.

10) Mount the exhaust valve actuator on the APR exhaust valve bracket as shown, Secure the actuator with the three original 8mm nuts.



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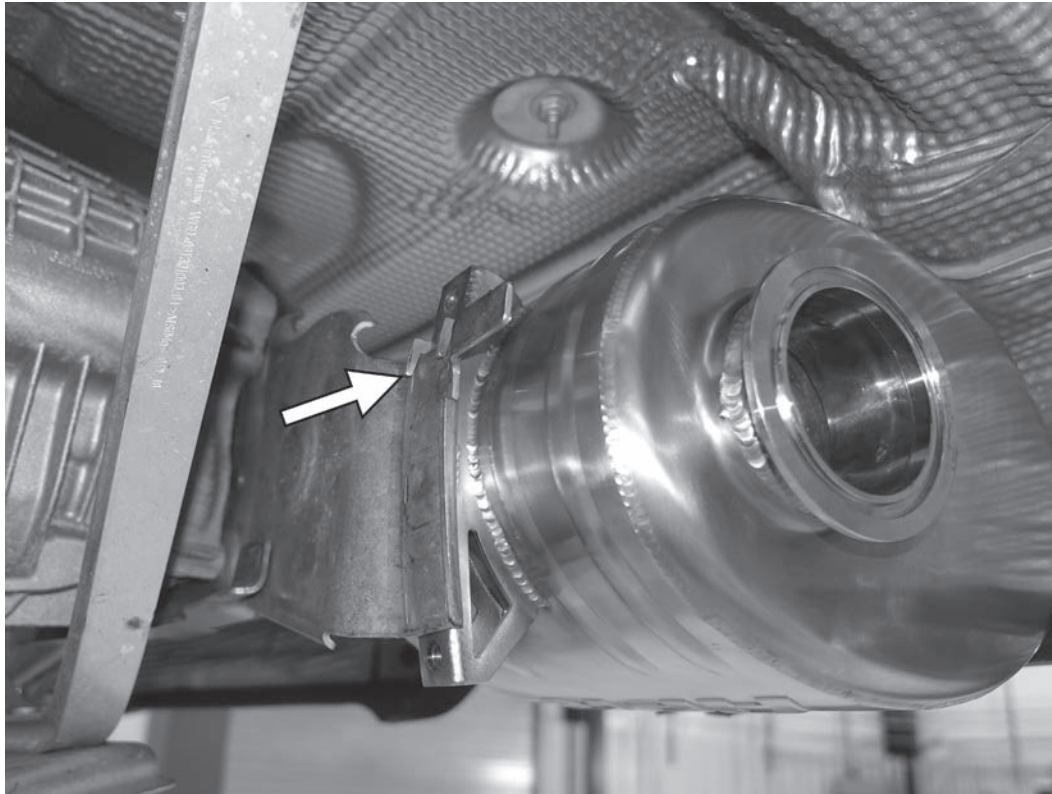


11) Pop the socket of the actuator rod onto the ball of the APR exhaust valve. Reinstall the original retaining clip to secure the socket to the ball.

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12) Hang the APR valve assembly behind the right side of the factory exhaust mounting plate. The two tabs on the APR bracket should sit roughly where the original factory muller clamps attached.

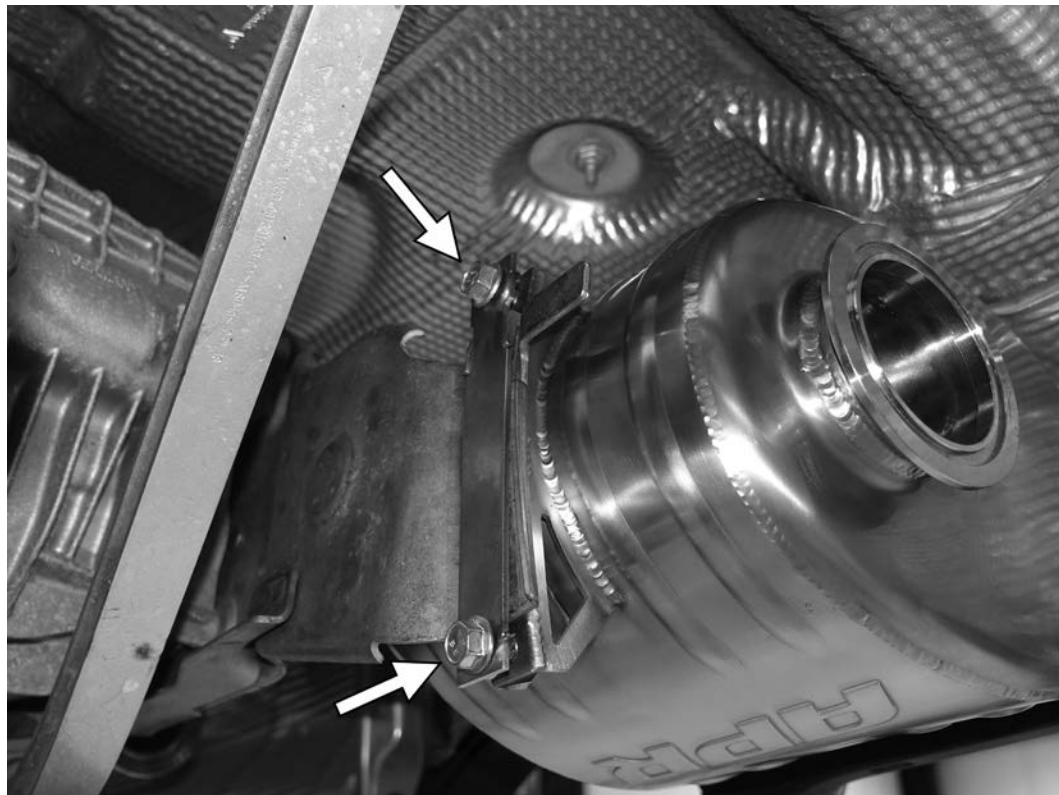




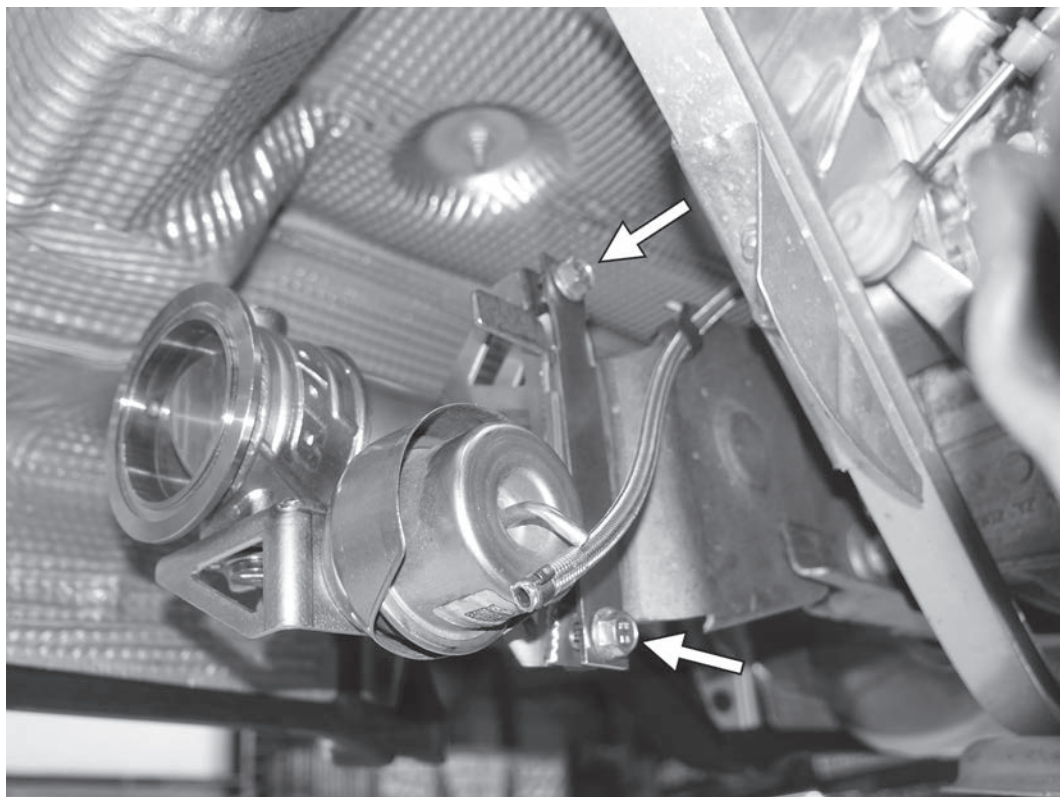
13) Install the APR muffler, hanging the muffler behind the left side of the factory exhaust mounting plate. The two tabs on the APR bracket should sit roughly where the original factory muffler clamps attached.

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14) Install the APR mounting strap on the front side of the factory exhaust mounting plate, and loosely secure with the two 13mm screws.



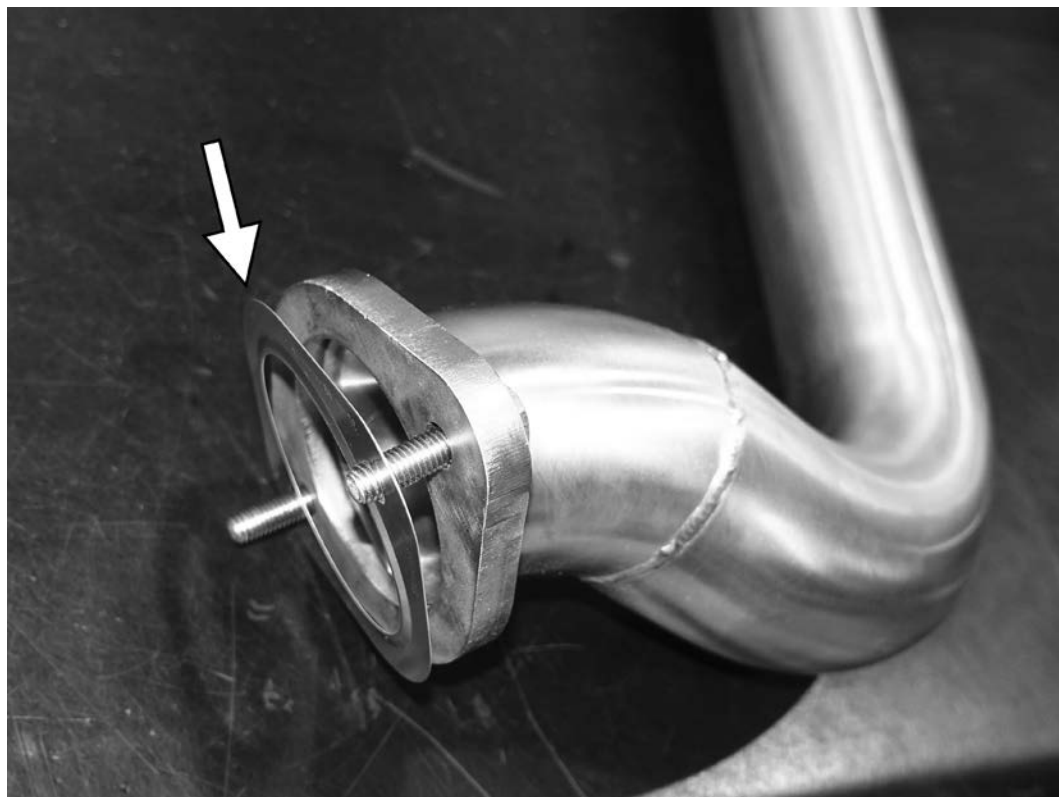
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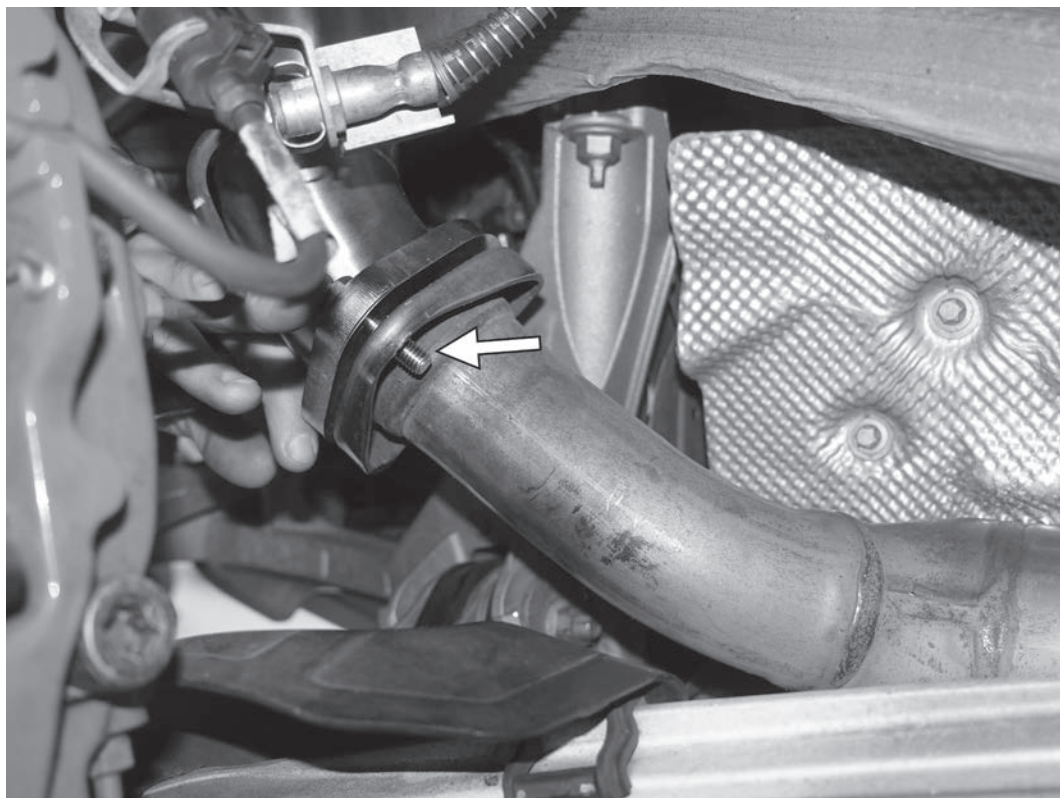
15) Install the second strap on the right side of the car with the two 13mm screws, to secure the APR exhaust valve assembly to the factory exhaust mounting plate.

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16) On the right APR exhaust pipe, install two supplied screws and one gasket onto the flanged end of the pipe.



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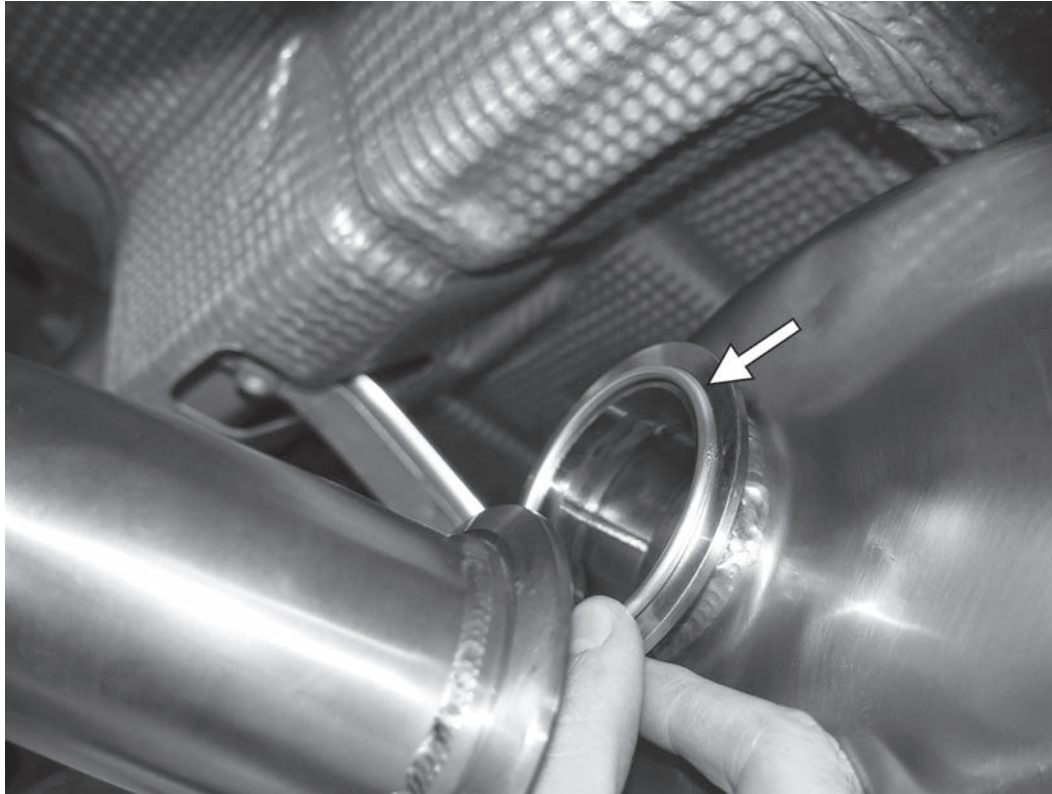
17) Install the right APR exhaust pipe onto the car, putting the bolts through the flange on the front portion of the exhaust. Loosely secure with two of the supplied 13mm nuts.

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18) Install the second supplied gasket onto the two studs on the left side of the front portion of the exhaust. Then install the left APR exhaust pipe flange onto the studs, and loosely secure with two of the supplied 13mm nuts.



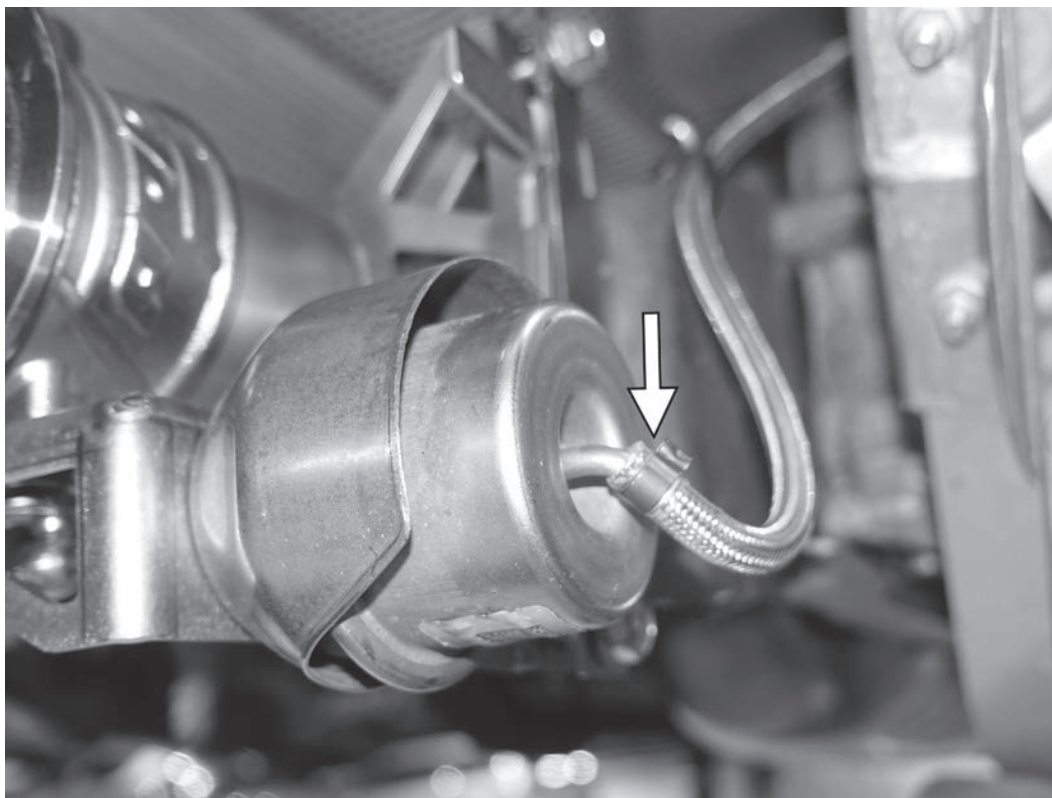
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19) On the entrance to the muffler on the left side, install one of the supplied seal rings that comes with the V-band clamp in the groove on the flange.

20) Remove the nut from one of the V-band clamps and fully open the clamp. Wrap the clamp around the two flanges, one for the left APR exhaust pipe and one from the muffler on the left side. Slide the threaded rod of the clamp through the other side of the clamp, and loosely secure it with the nut removed from the clamp.

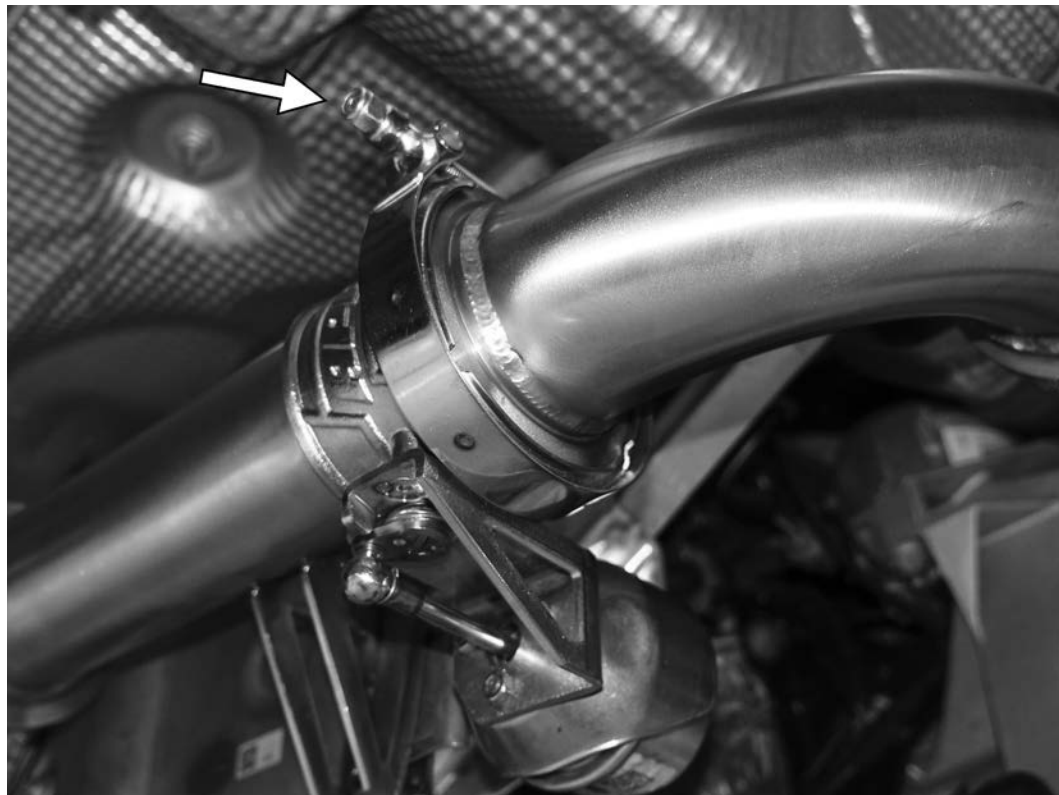


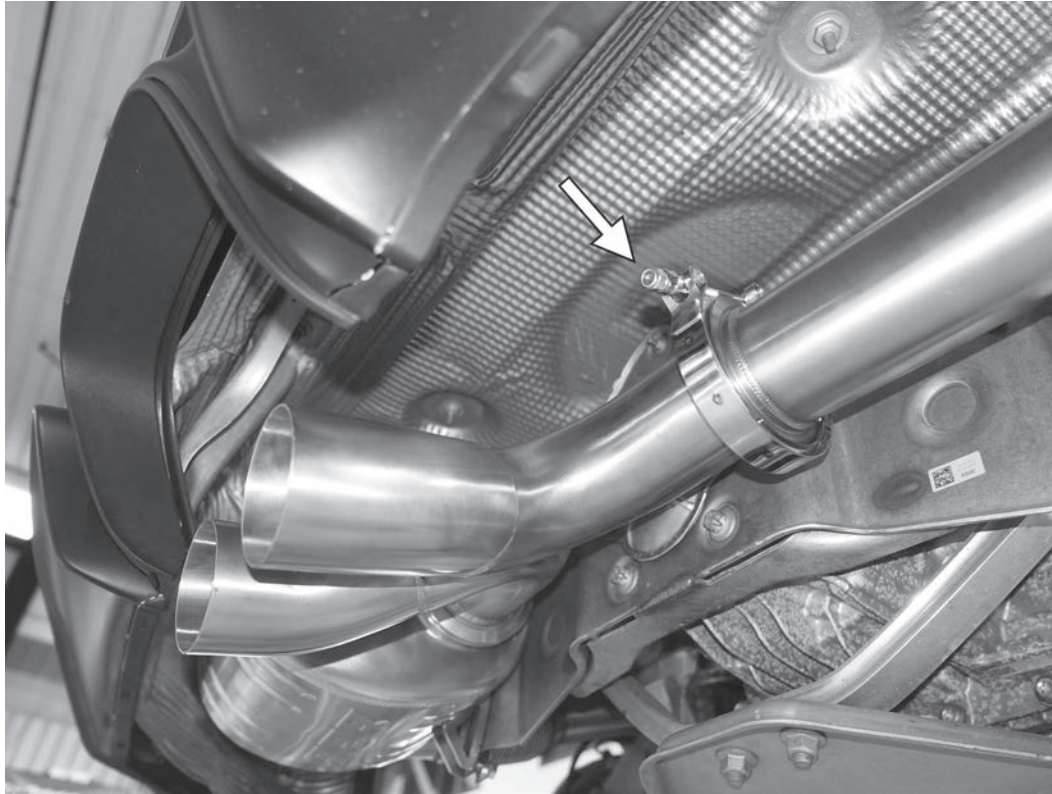


21) Reinstall the vacuum line to the exhaust valve actuator. You should be able to just push the hose with the original clamp on the actuator.

If you are not using the exhaust valve, insert the supplied plug into the end of the hose. Use the supplied cable tie to mount the hose to one of the heat shields out of the way.

22) Connect the right APR exhaust pipe to the APR valve assembly using one of the V-band clamps as before. Install the seal ring between the flanges, removed the nut from the clamp, wrap the clamp around the flanges, put the threaded rod of the clamp back through the other side of the clamp, and then loosely secure with the removed nut.



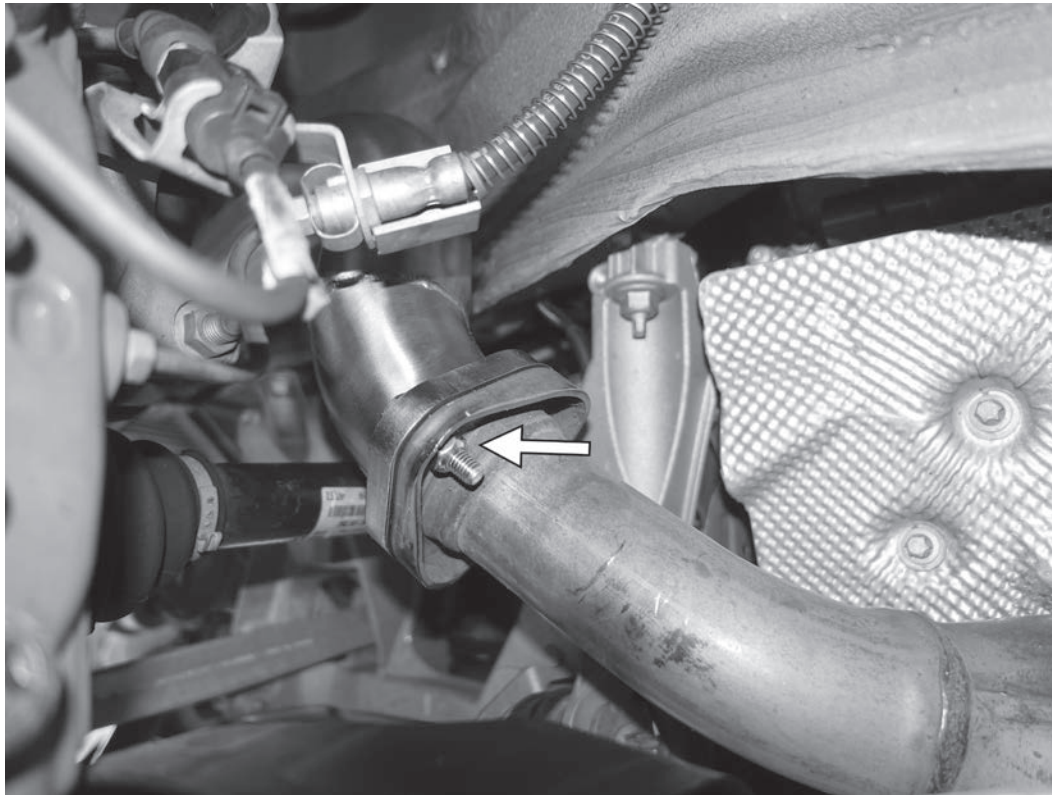


23) Install the rear center section of the APR exhaust to the APR valve assembly on the right side using one of the supplied V-band clamps and seal. Do not tighten the V-band nut yet.

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24) Install the rear center section of the APR exhaust to the APR muffler assembly on the left side using one of the supplied V-band clamps and seal. Do not tighten the V-band nut yet.





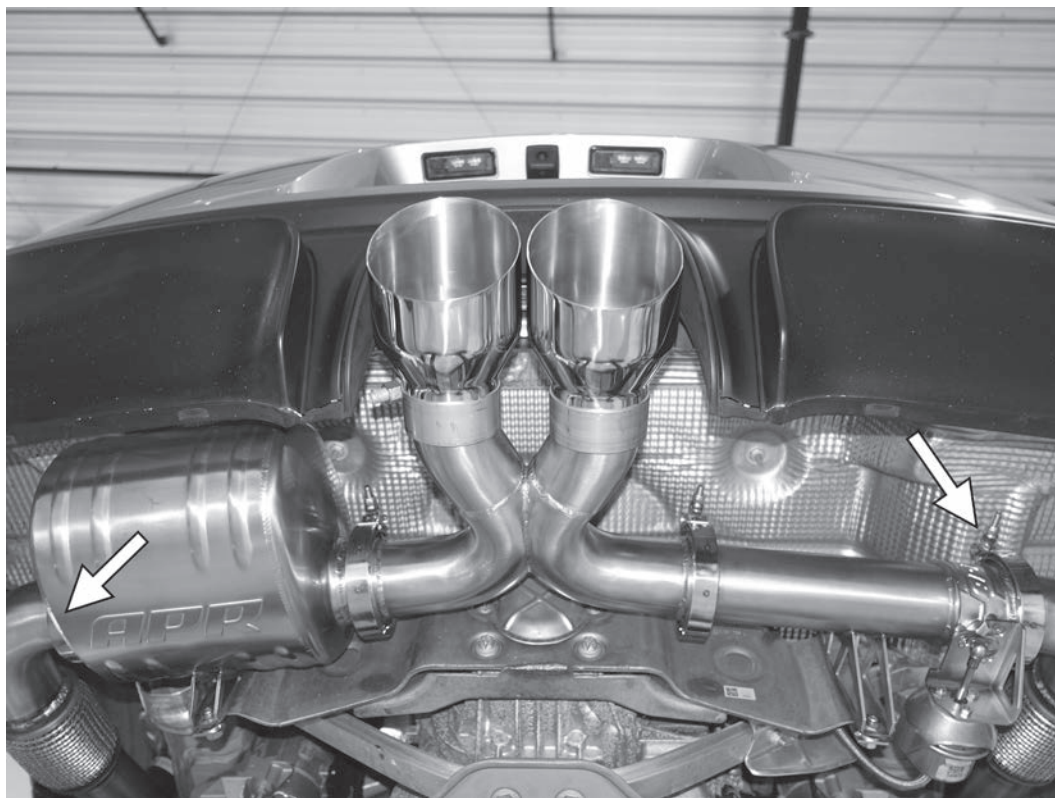
25) On the flange of the right APR exhaust pipe, counterhold the 13mm screws and then tighten the two 13mm nuts to 23Nm (17 ft-lbs). On the flange of the left APR exhaust pipe, tighten the two 13mm nuts to 23Nm (17 ft-lbs).

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26) Install the APR exhaust tips with the two clamps. Make sure the screws from the clamps can still be accessed from either side. Loosely tighten the clamps slightly so they can still be adjusted.



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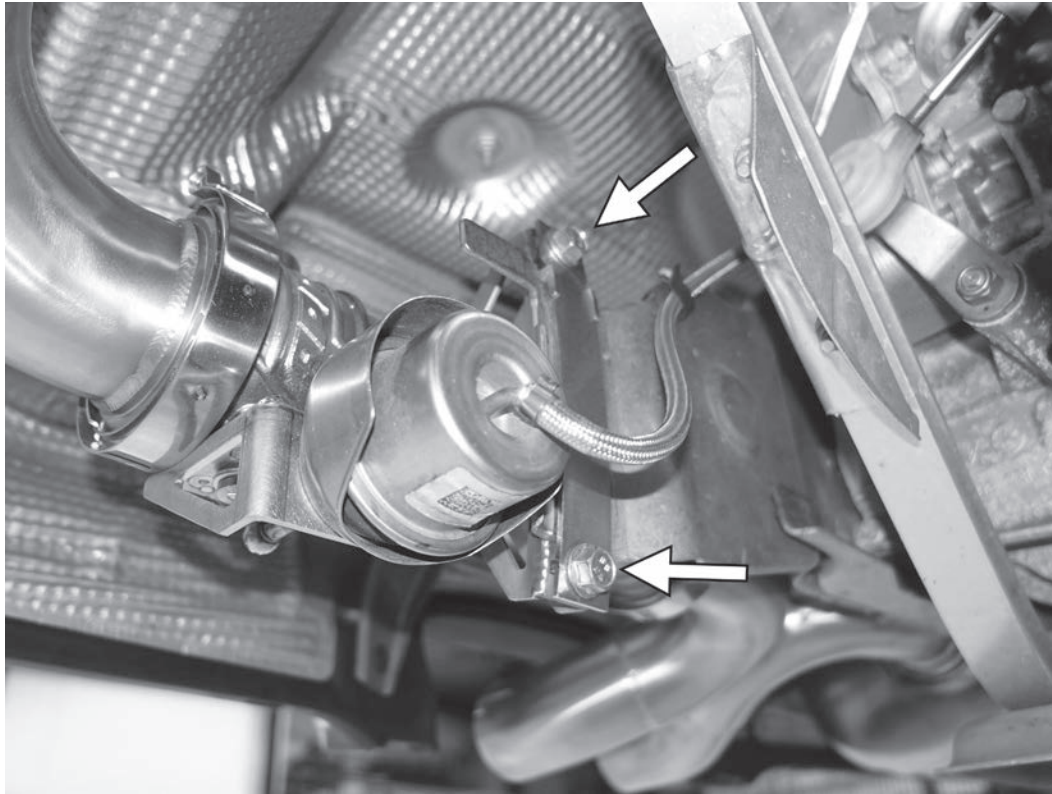
27) Adjust the APR exhaust system so the exhaust tips sit correctly in the cutout of the rear valence. You might need to rotate the exhaust on the inner or outer connections of the V-band clamps, and/or adjust the exhaust tips on the rear center section of the exhaust. Once happy with the fitment, tighten the two outer V-band clamps first to 15Nm (11 ft-lbs).

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28) Adjust the exhaust tip height again if necessary, and then tighten the two inner V-band clamps to 15Nm (11 ft-lbs).



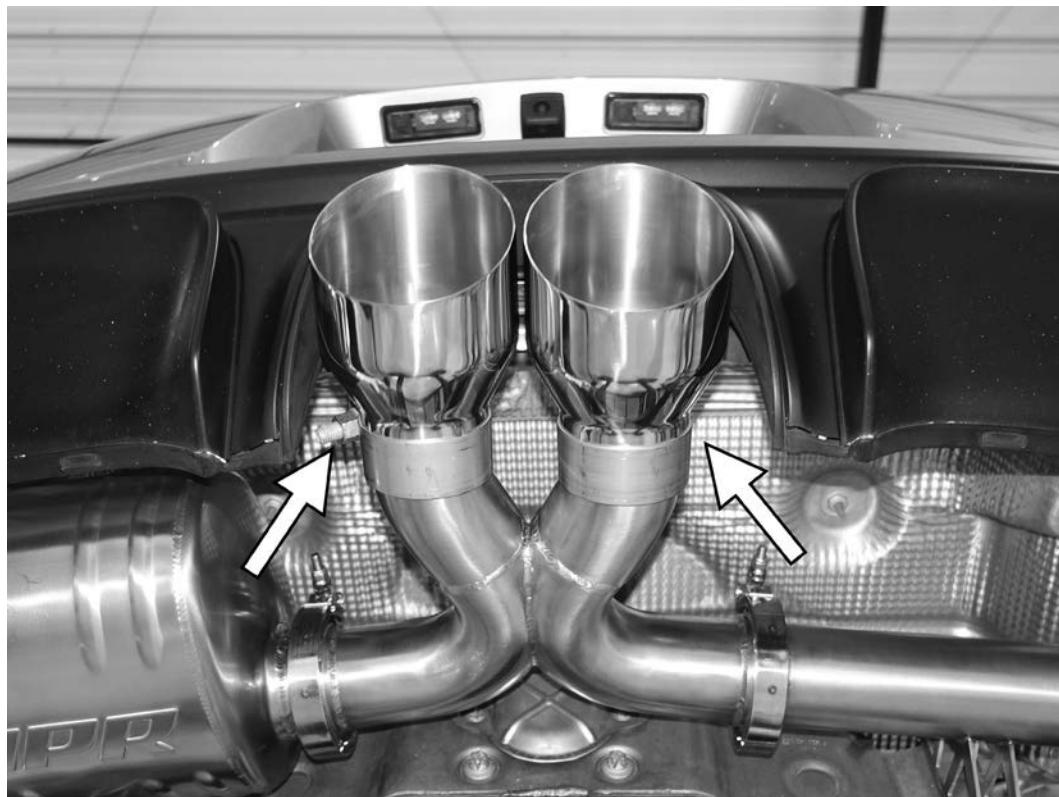
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29) Tighten the four 13mm screws (two on each side) holding the APR exhaust straps to the rear assemblies. Torque the four screws to 25Nm (18.5 ft-lbs).

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30) Finally, if necessary, adjust the position of the exhaust tips themselves. Tighten the 15mm nuts on the rear clamps to 55Nm (40 ft-lbs).



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31) Reinstall the rear wheel, and torque to the correct specification.

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