

#TL100185

INSTALLATION MANUAL

# ***CBK0049,52,59***

APR 8Y S3/Mk8 R Catback Exhaust

***APR***





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Notes:

These instructions were written for a North American specification Mk8 Golf R, but other models like the Audi 8Y S3 Hatch and 8Y S3 Sedan 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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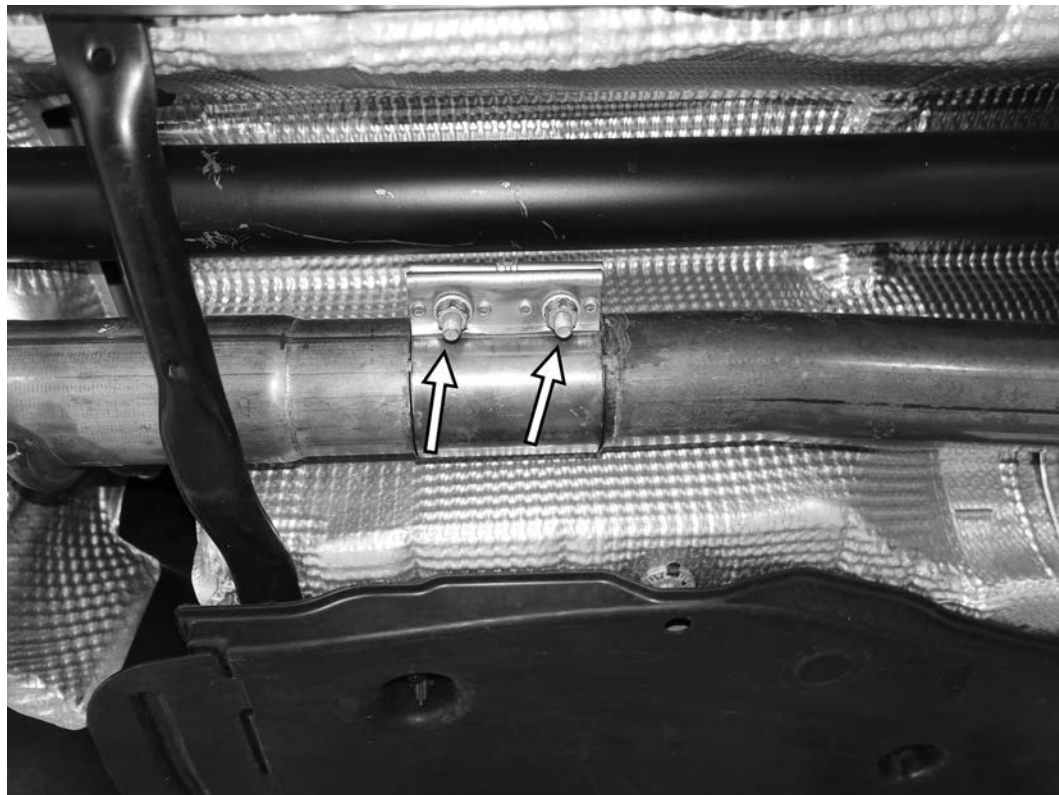
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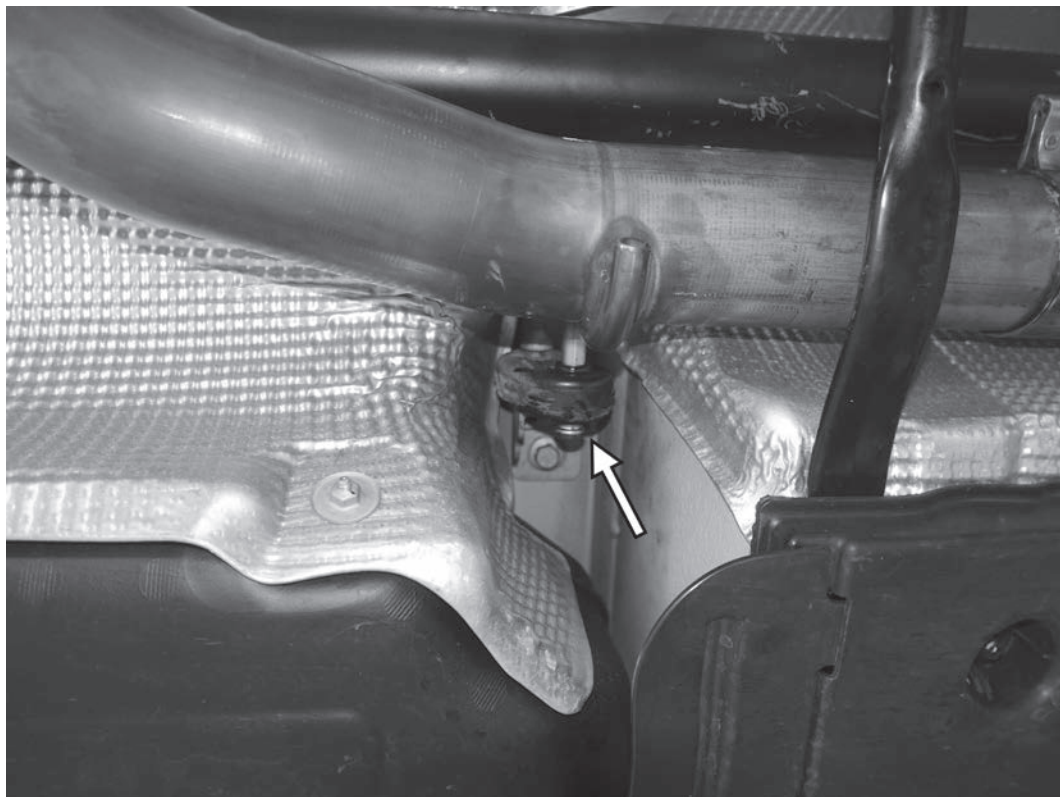
1) Place the vehicle securely on a lift or jackstands.

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2) Loosen the two 13mm nuts on the factory center exhaust clamp, and then slide the clamp forward on the exhaust and out of the way. The front side of the remaining exhaust can rest on the center crossbrace.



**TL100185**

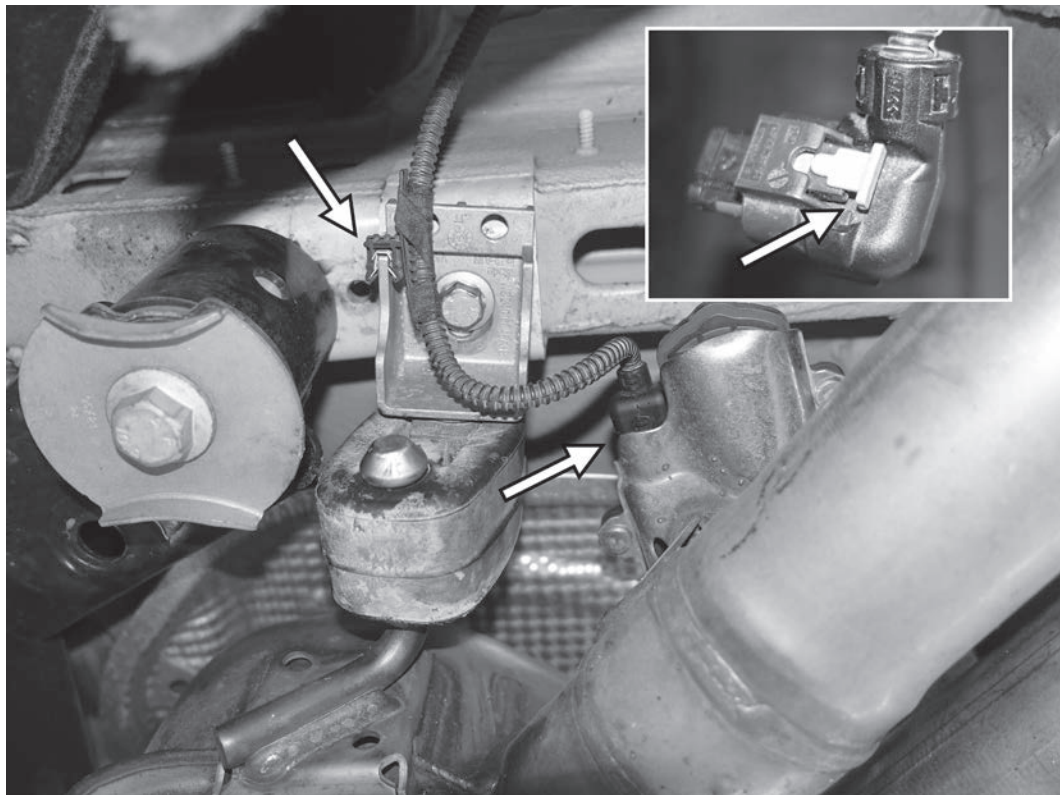


3) Spray some lubricant on the rubber exhaust hanger just behind the center crossbrace. Separate the exhaust from the rubber hanger with an exhaust hanger tool or pry bar, leaving the rubber portion of the hanger attached to the car.

4) Lubricate the rubber hanger just in front of the rear subframe. As before, separate the exhaust from the rubber hanger with an exhaust hanger tool or pry bar, leaving the rubber portion of the hanger attached to the car.



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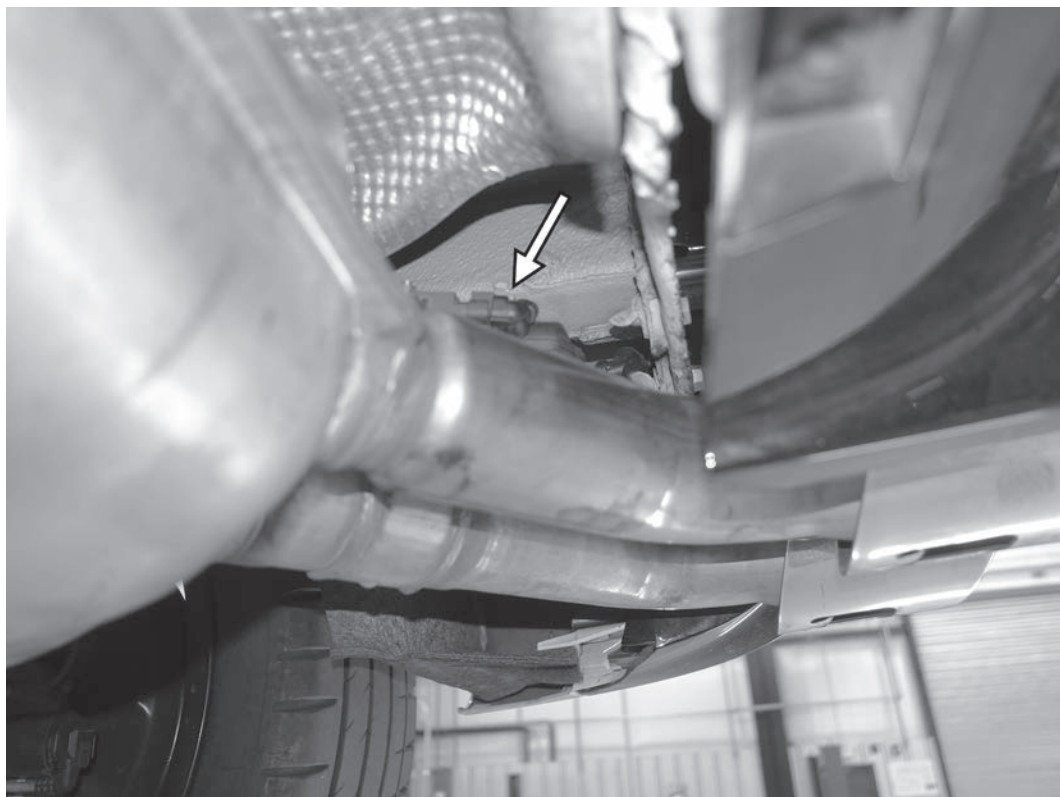
5) On the left side of the rear muffler, separate the clip on the wiring harness to the exhaust valve motor from the muffler hanger bracket. Disconnect the electrical connector from the left exhaust valve motor. First slide the grey tab away from the connection, and then pressing down on the grey tab to release the connector.



6) On the right side of the rear muffler, separate the clip on the wiring harness to the exhaust valve motor from the muffler hanger bracket.



**TL100185**

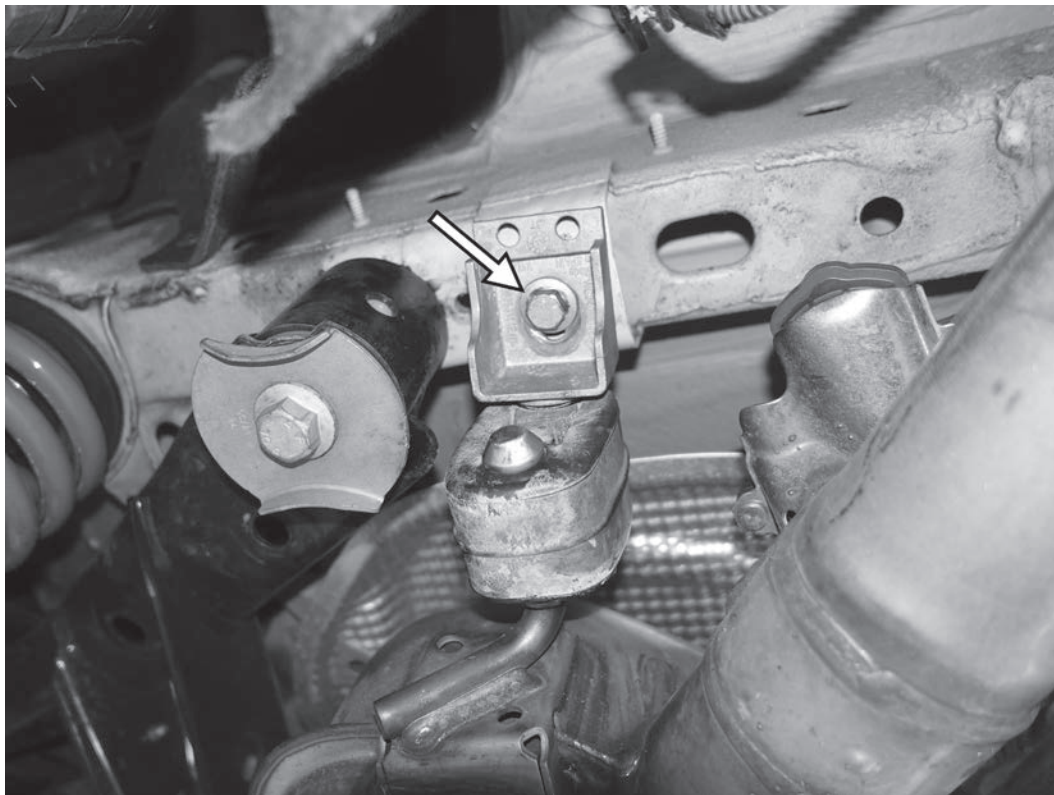


7) Disconnect the electrical connector from the right exhaust valve motor. First slide the grey tab away from the connection, and then pressing down on the grey tab to release the connector.

8) With an assistant holding the rear muffler assembly up, remove the 13mm screw holding the right exhaust hanger bracket to the car.



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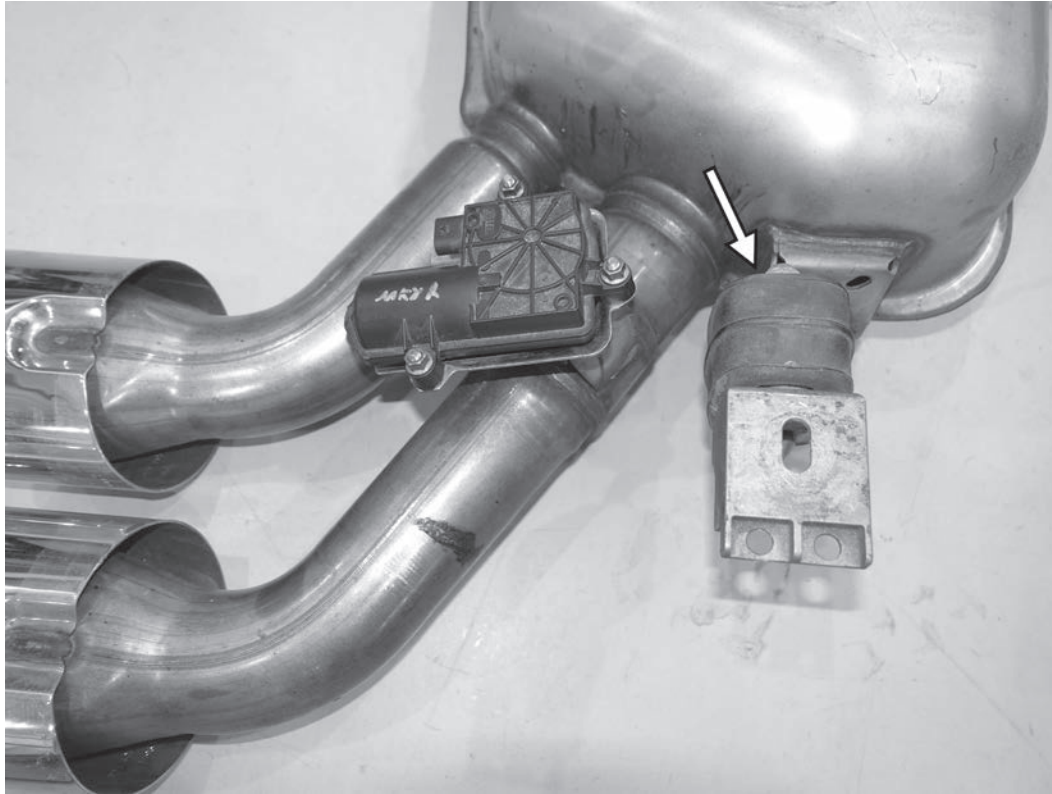


9) With an assistant holding the rear muffler assembly up, remove the 13mm screw holding the left exhaust hanger bracket to the car.

10) Lower the rear muffler from the car, and then remove the rear exhaust section from the car.

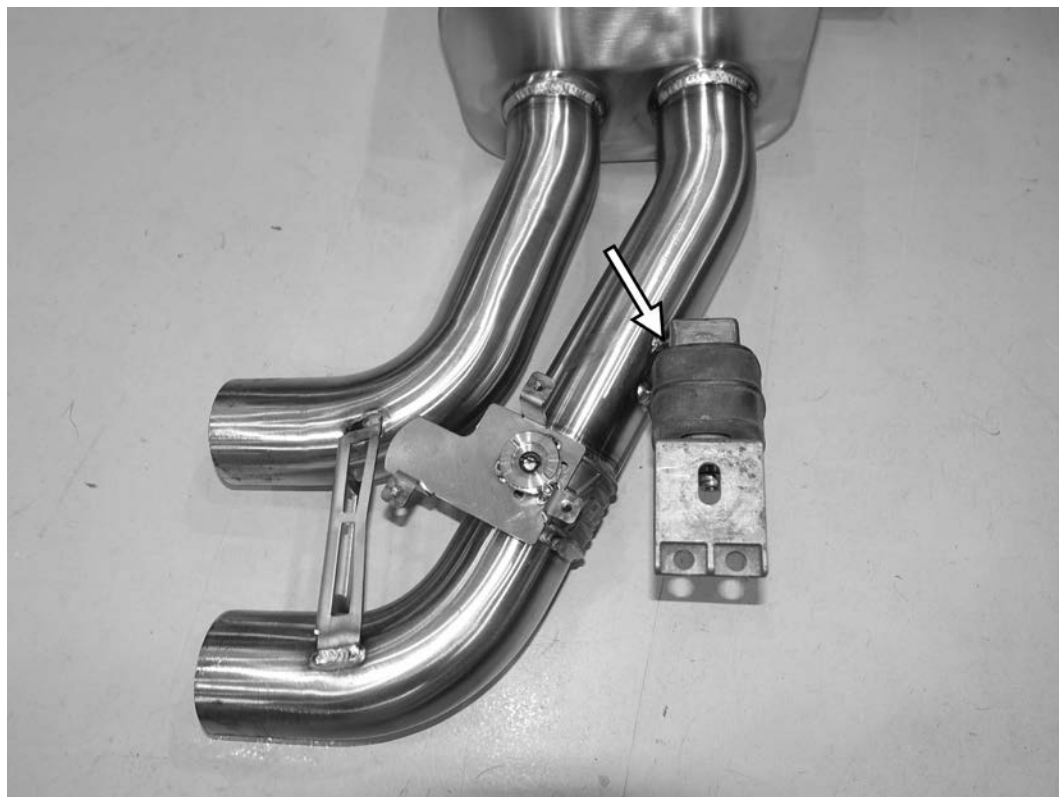


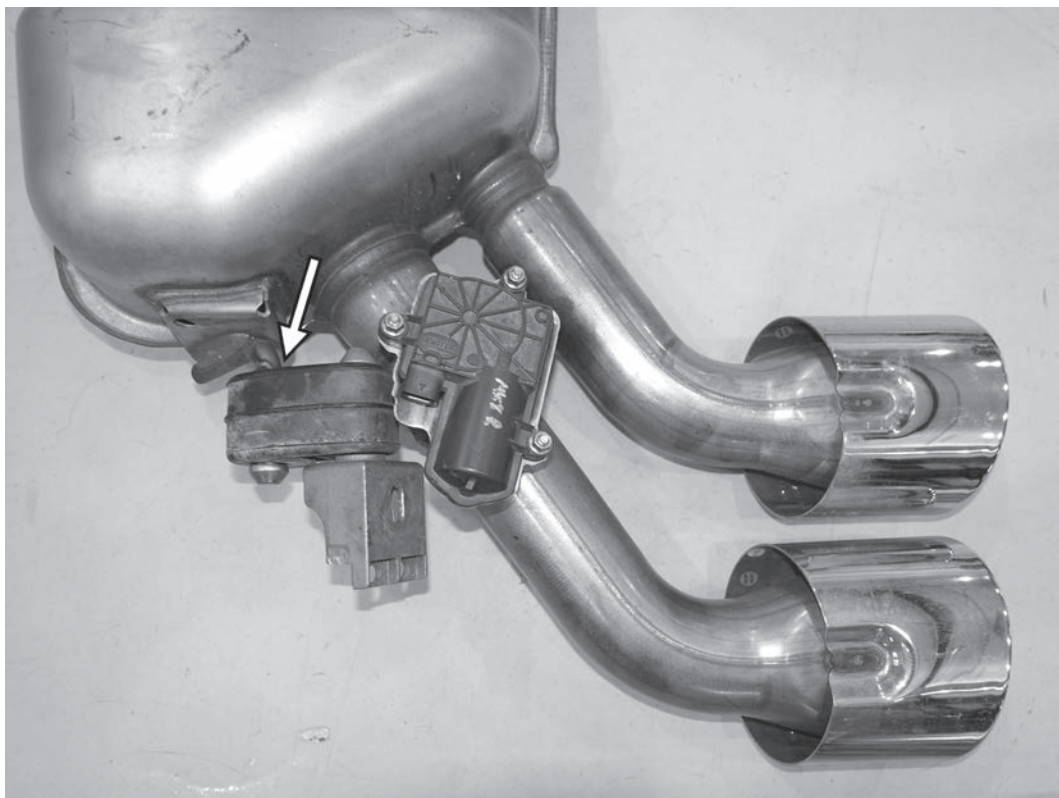
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11) After noting the orientation of the right rear exhaust hanger and bracket, remove the rubber hanger and bracket from the stock rear muffler. Lubricant may be needed to separate the rubber from the exhaust.

12) Install the rubber hanger and bracket onto the right rear side of the APR muffler assembly in the same orientation that it was on the factory exhaust.



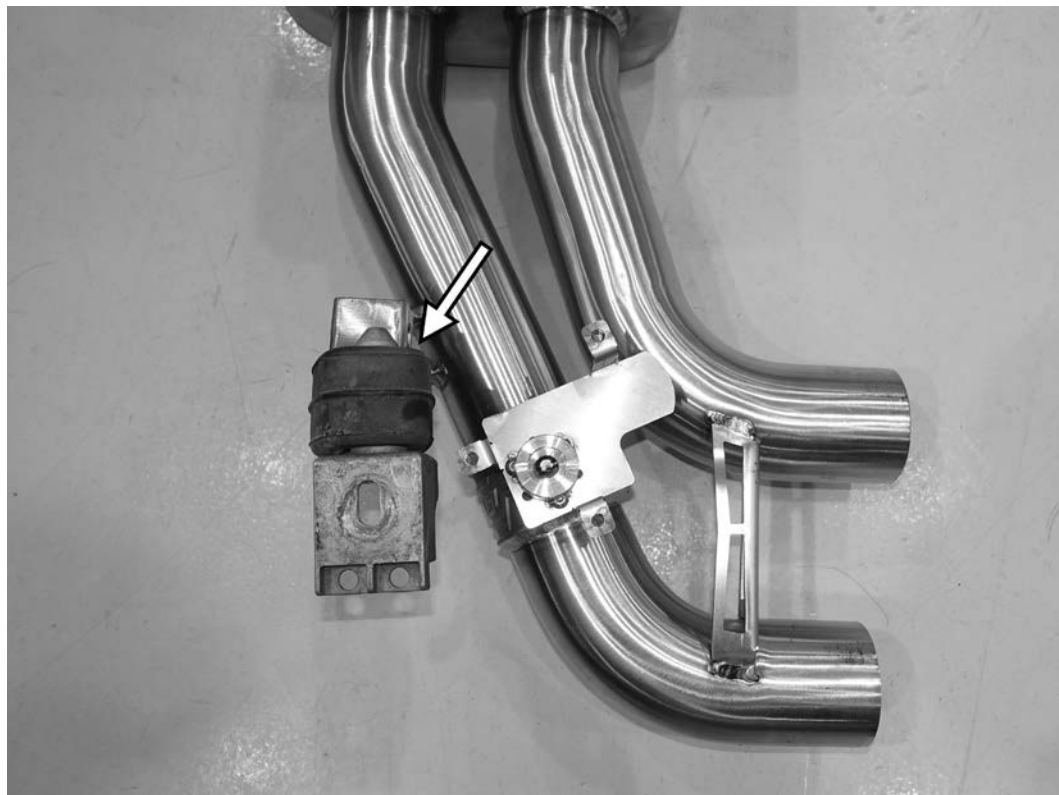


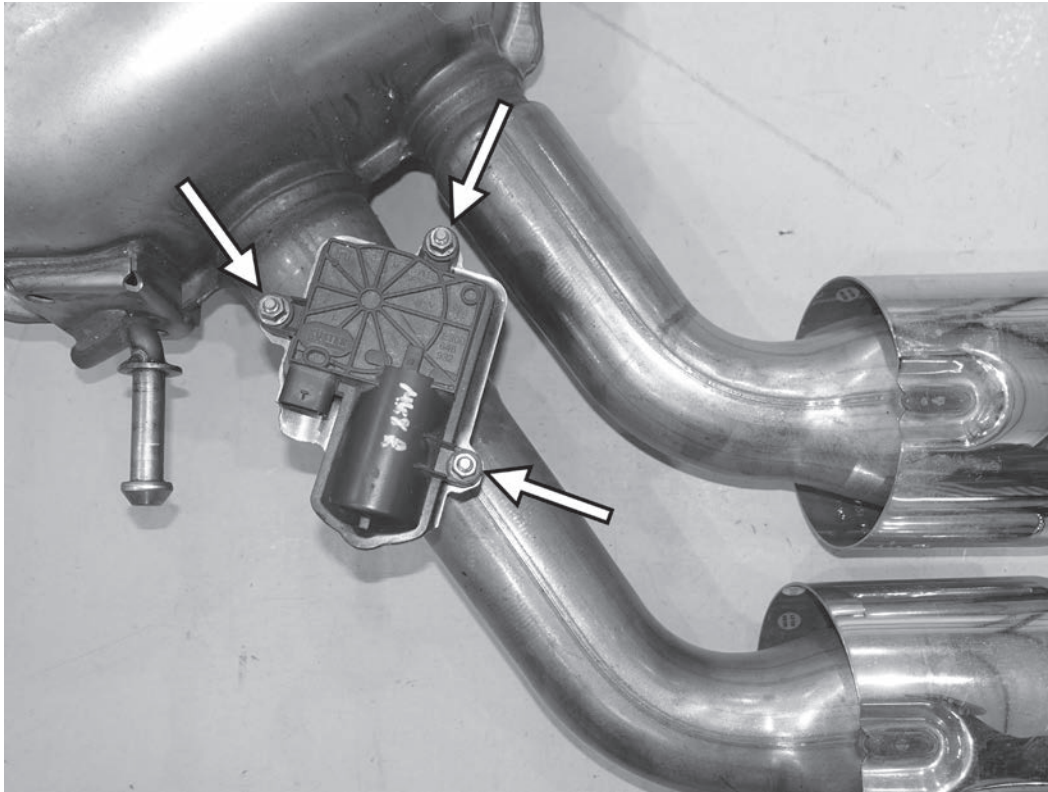
13) After noting the orientation of the left rear exhaust hanger and bracket, remove the rubber hanger and bracket from the stock rear muffler. Lubricant may be needed to separate the rubber from the exhaust.

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14) Install the rubber hanger and bracket onto the left rear side of the APR muffer assembly in the same orientation that it was on the factory exhaust.

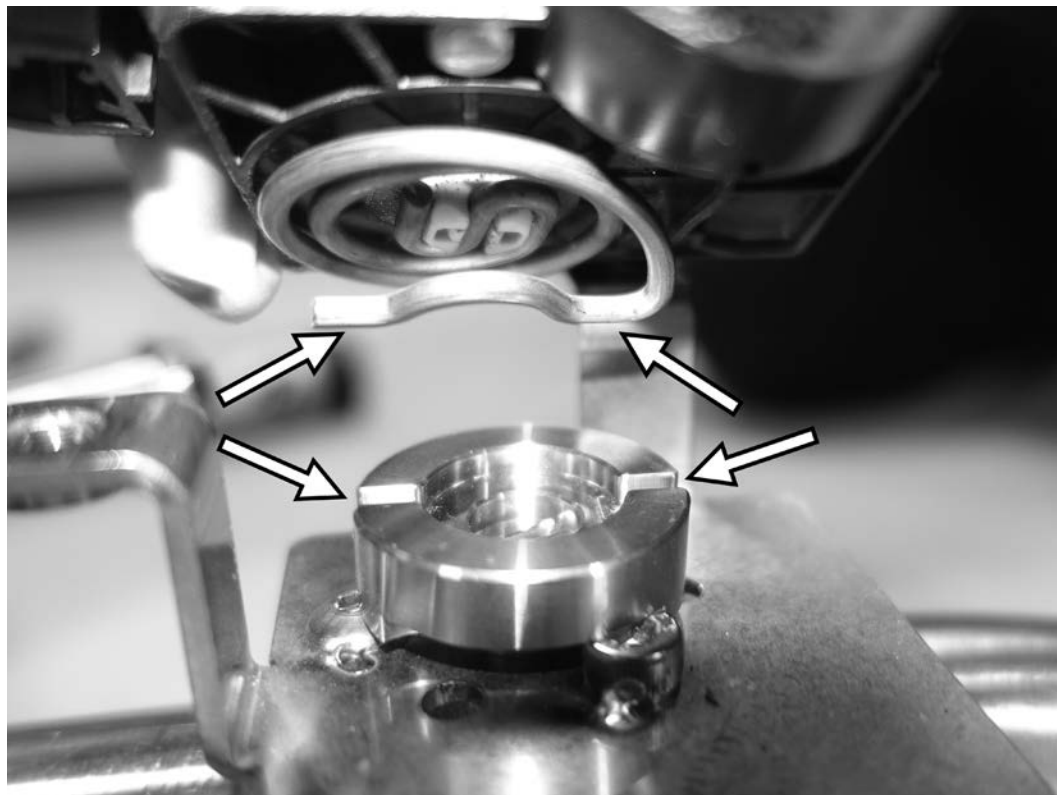


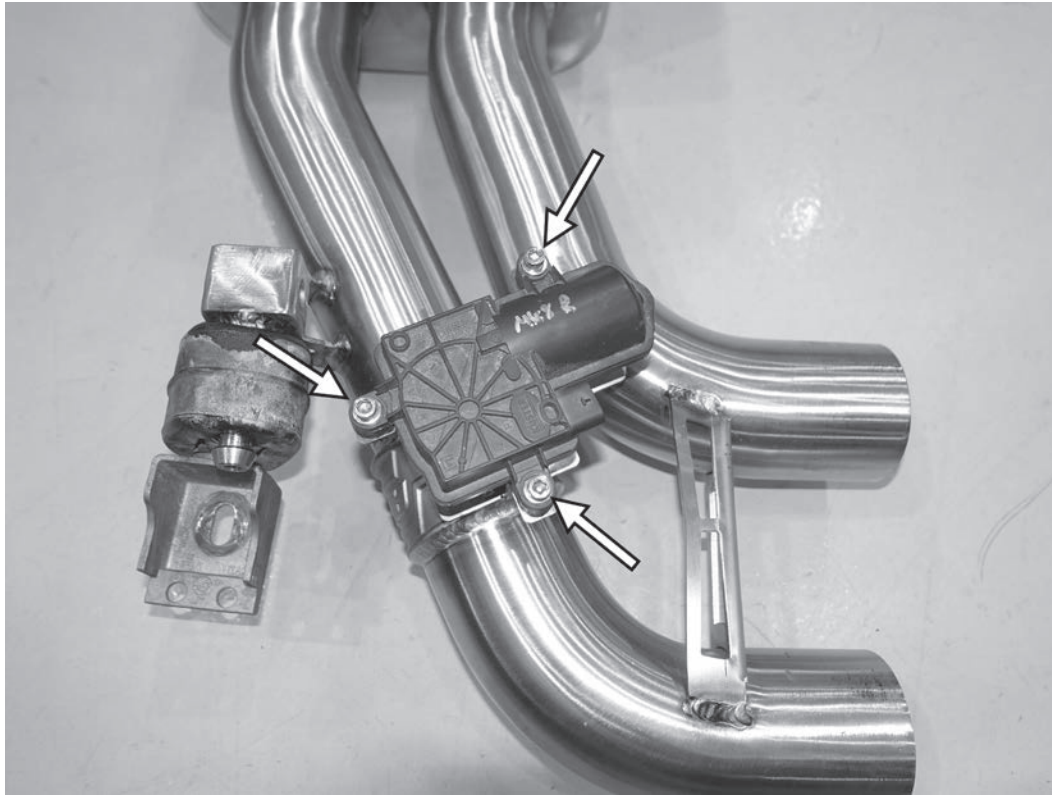


15) Remove the three 8mm nuts holding the left exhaust valve motor to the stock exhaust.

16) Place the exhaust valve motor near the left bracket of the APR muffler assembly. Ensure that the straight section of the exhaust spring lines up and goes into the slot in the APR exhaust valve assembly. Once the spring assembly is in the slot of the APR valve, it may be necessary to rotate the exhaust valve motor slightly to get the exhaust valve motor holes to orient with the APR bracket.

Note that the factory spring may sometimes fall off the flap motor, simply place the spring back on the flap motor as shown before assembly.

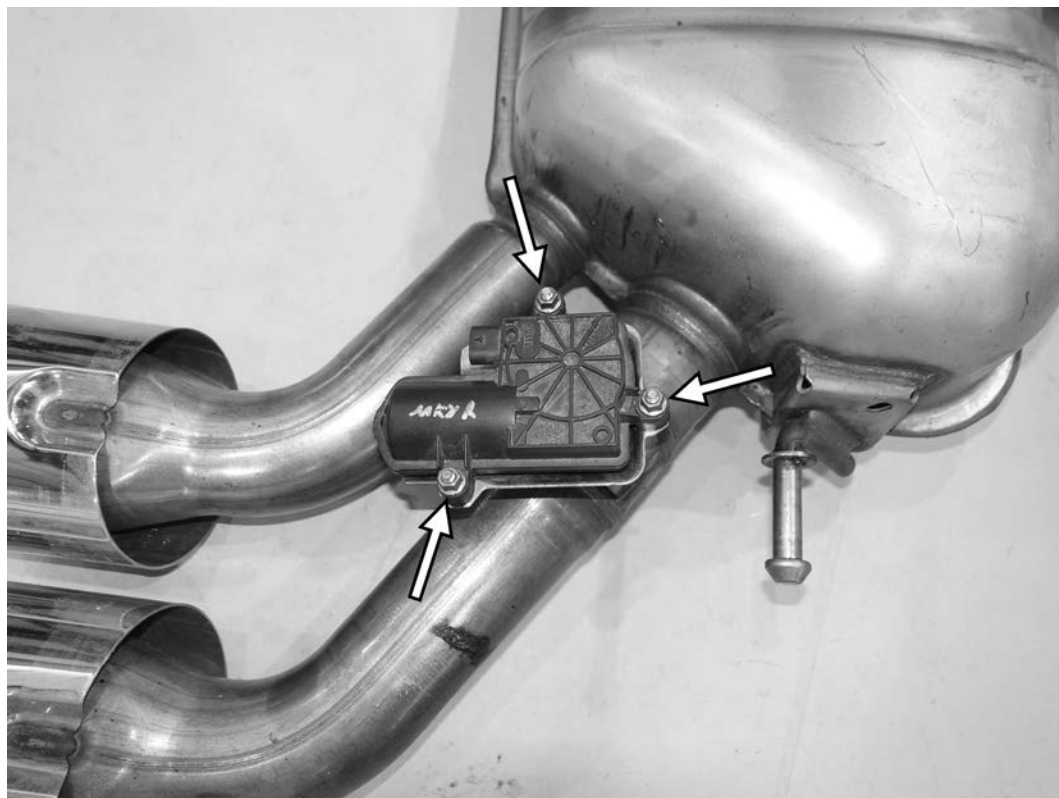




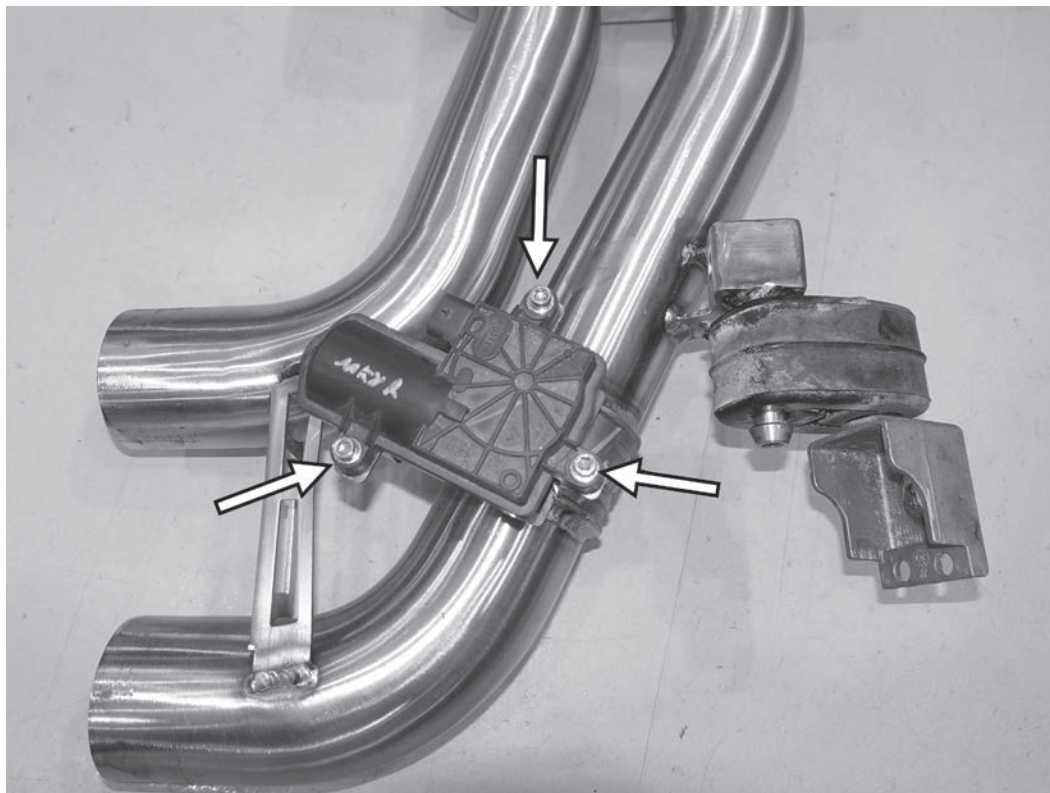
17) After rotating the valve slightly clockwise, secure the left exhaust valve motor to the left APR exhaust valve motor bracket with the three supplied washers and 5mm allen screws. Torque the three screws to 3Nm (26 lb-in).

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18) Remove the three 8mm nuts holding the right exhaust valve motor to the stock exhaust.



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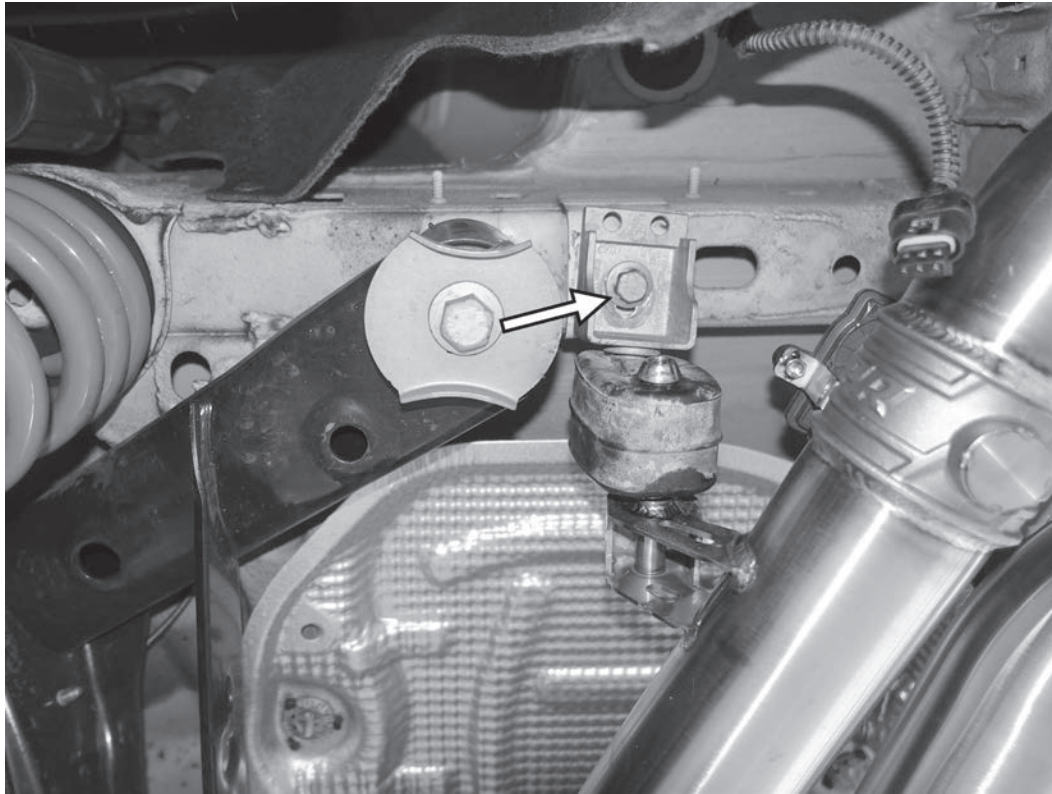
19) Install the right exhaust valve motor in the same manner that you installed the left exhaust valve motor, ensuring the spring from the exhaust valve motor goes into the slot on the APR exhaust valve.

After rotating the valve slightly clockwise, secure the right exhaust valve motor to the left APR exhaust valve motor bracket with the three supplied washers and 5mm allen screws. Torque the three screws to 3Nm (26 lb-in).

20) With an assistant, lift the APR muffler assembly into place and loosely install the original 13mm screw onto the right factory exhaust hanger bracket.



**TL100185**



21) With an assistant still holding the APR rear muffler, loosely install the original 13mm screw onto the left factory exhaust hanger bracket.

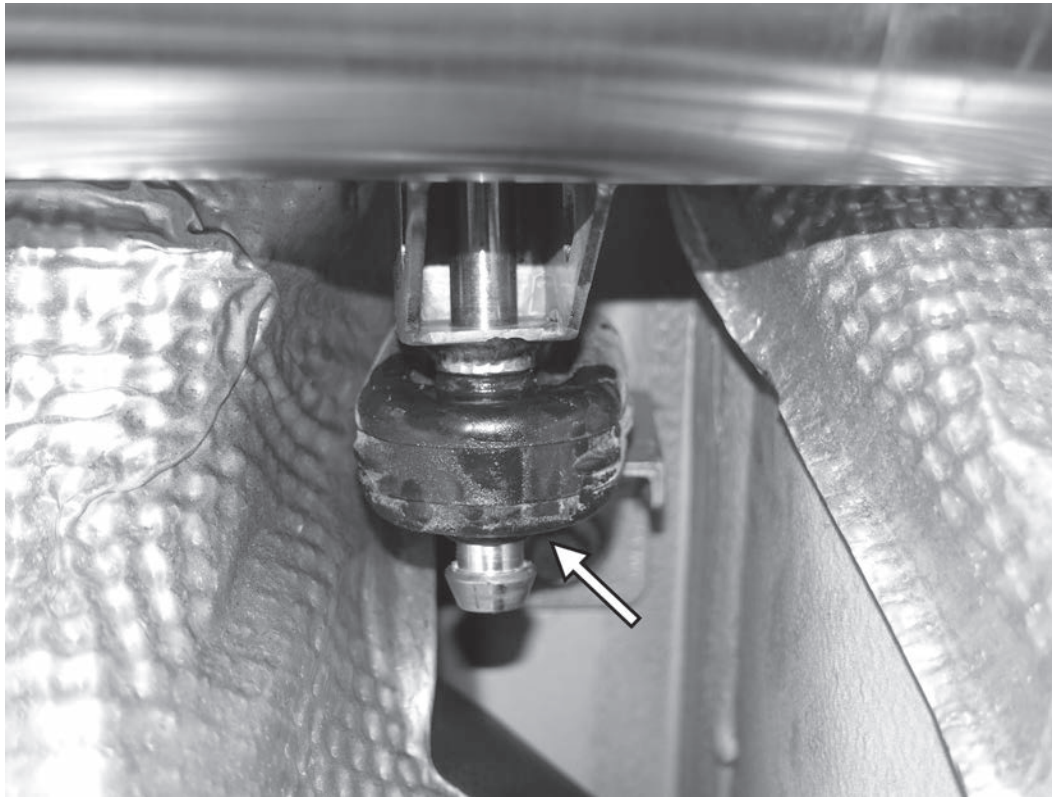
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22) After lubricating both rubber exhaust hangers that held the center portion of the exhaust, install the APR center pipe to the car, pushing the APR hanger post into the hanger just in front of the rear subframe.



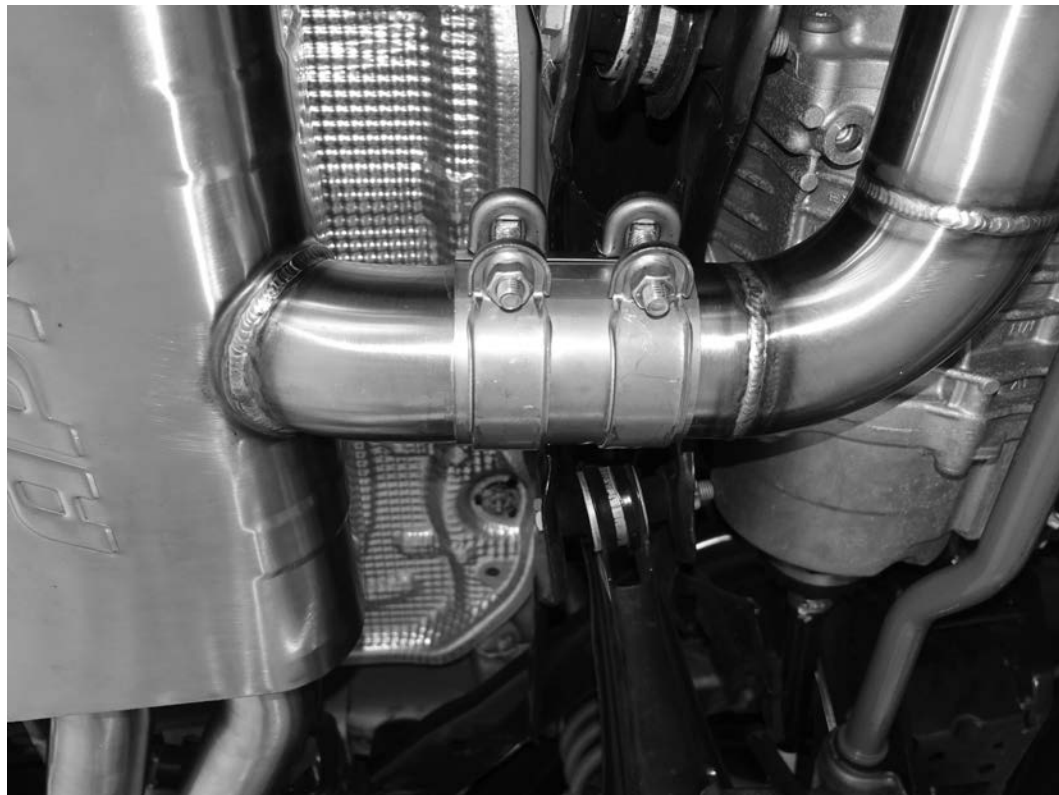
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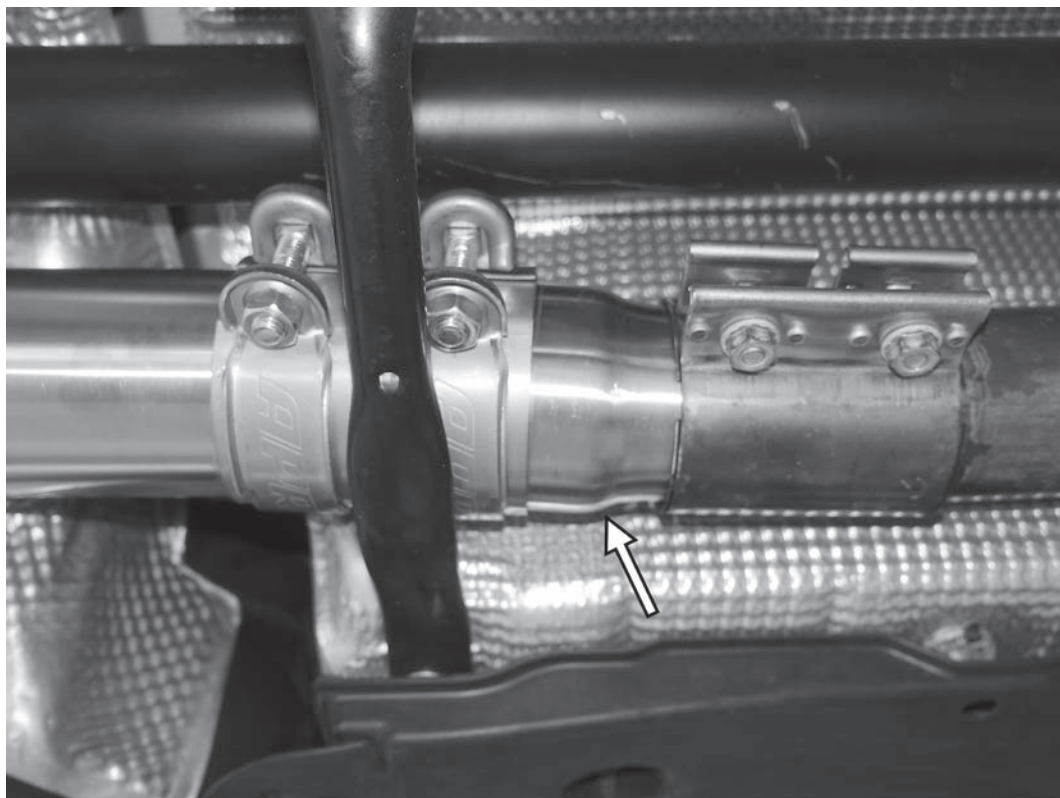


23) Install the other APR hanger post from the APR center pipe into the rubber exhaust hanger just behind the center crossbrace.

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24) Loosely install one of the big sleeve clamps between the APR center pipe and the APR muffler assembly.

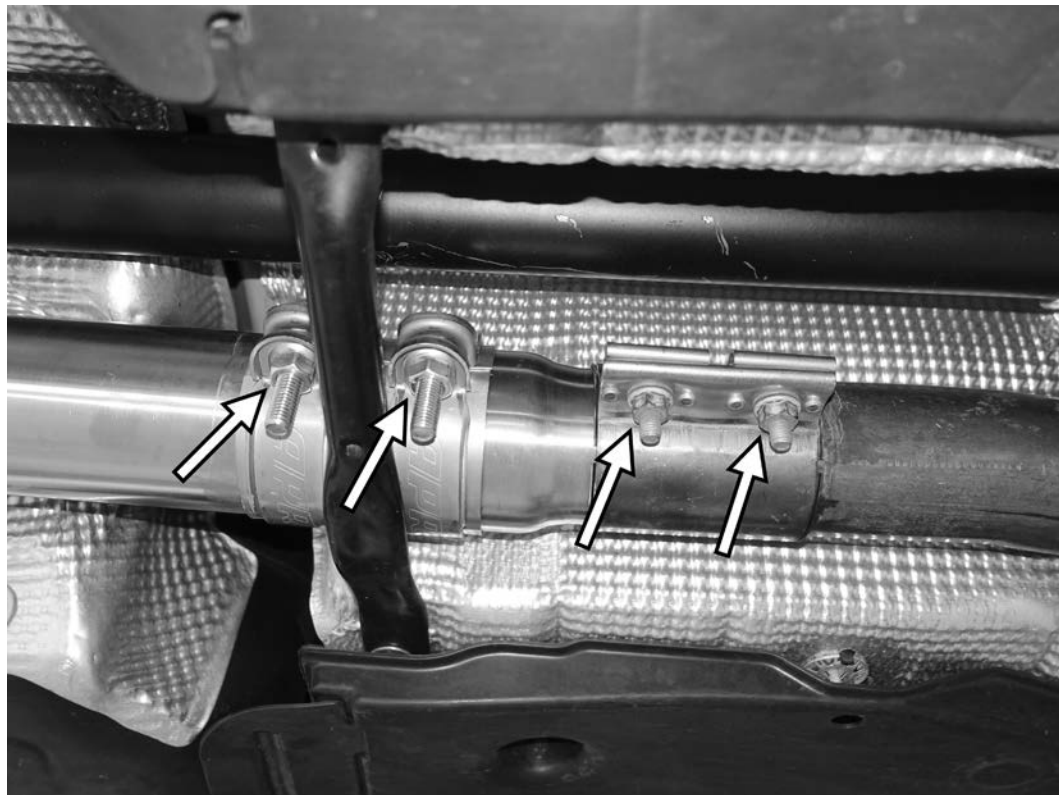


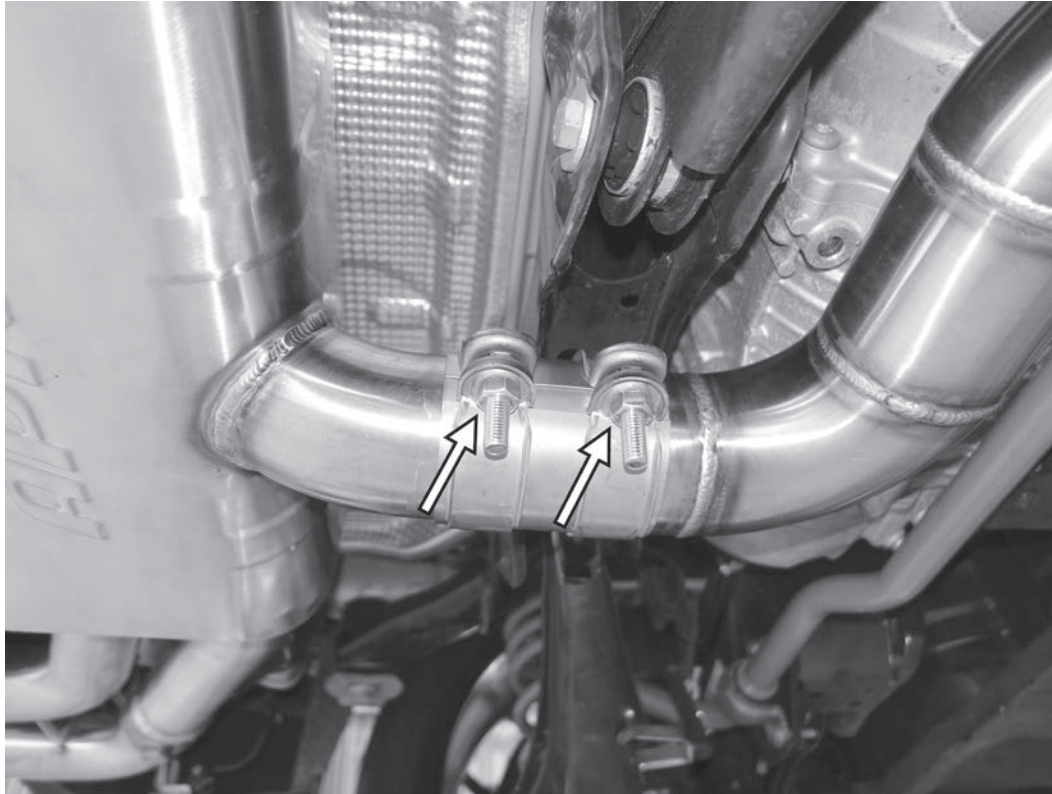


25) If installing the APR catback to the stock downpipe, loosely install the other sleeve clamp onto the front side of the APR center pipe, along with the reducing adapter. Connect the reducing adapter to the stock downpipe with the stock sleeve clamp at the back of the downpipe.

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26) Working from the front of the car to the back of the car, adjust the position of the exhaust system. There should be approximately 10mm between each joint in the exhaust. Once this is achieved, tighten the 13mm nuts on the stock sleeve clamp to 30Nm (22 ft-lbs). Working to the back, tighten the 16mm nuts on the APR sleeve clamp to 25Nm (18 ft-lbs).

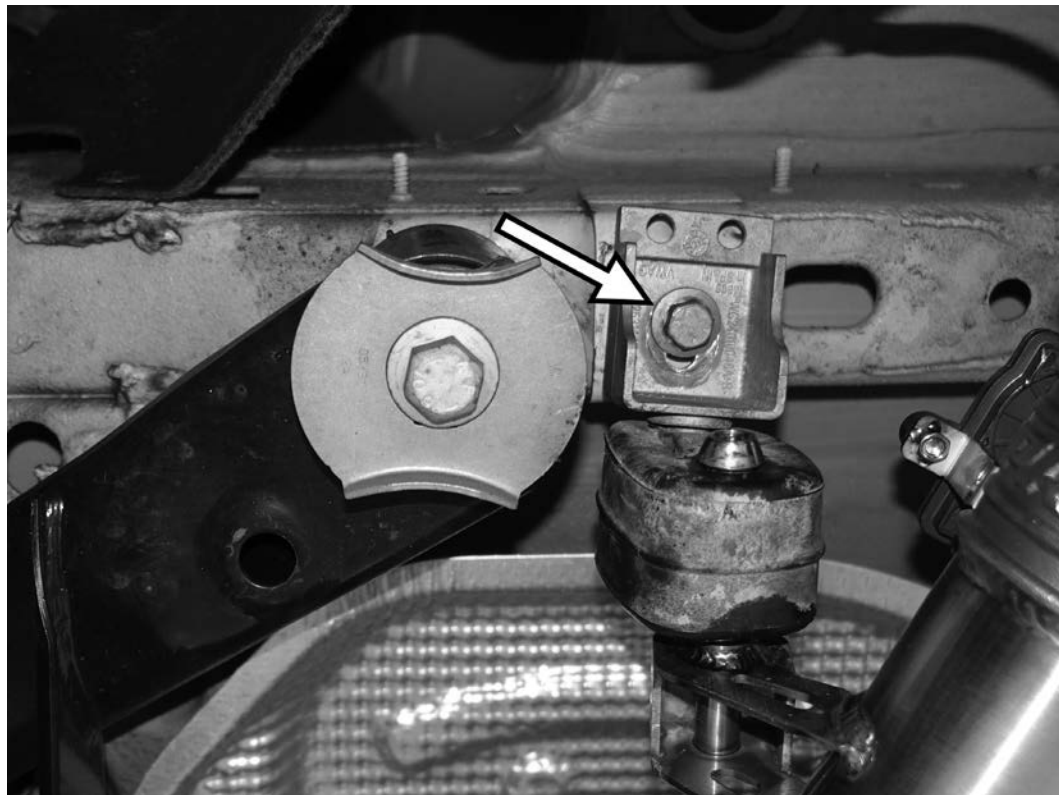




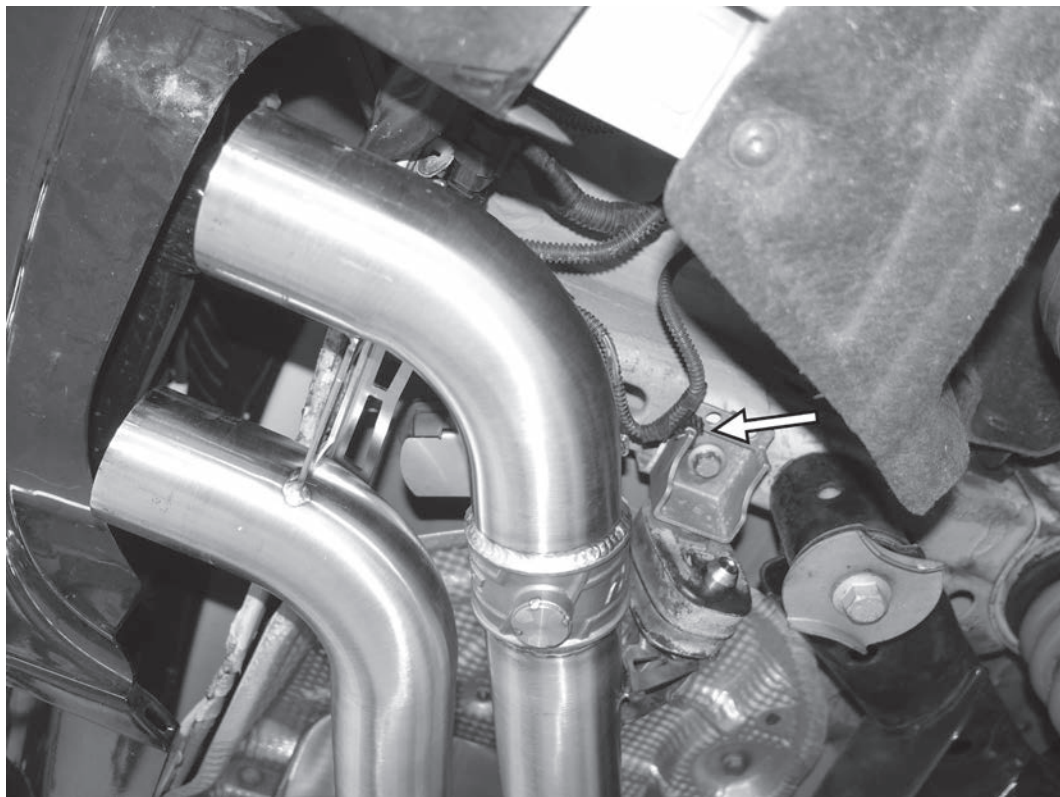
27) Adjust the position of the APR center pipe to the APR muffler, and then tighten the 16mm nuts on the APR sleeve clamp to 25Nm (18 ft-lbs).

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28) Tighten both 13mm screws holding both rear factory hanger brackets (left side shown) to 20Nm (15 ft-lbs).



**TL100185**



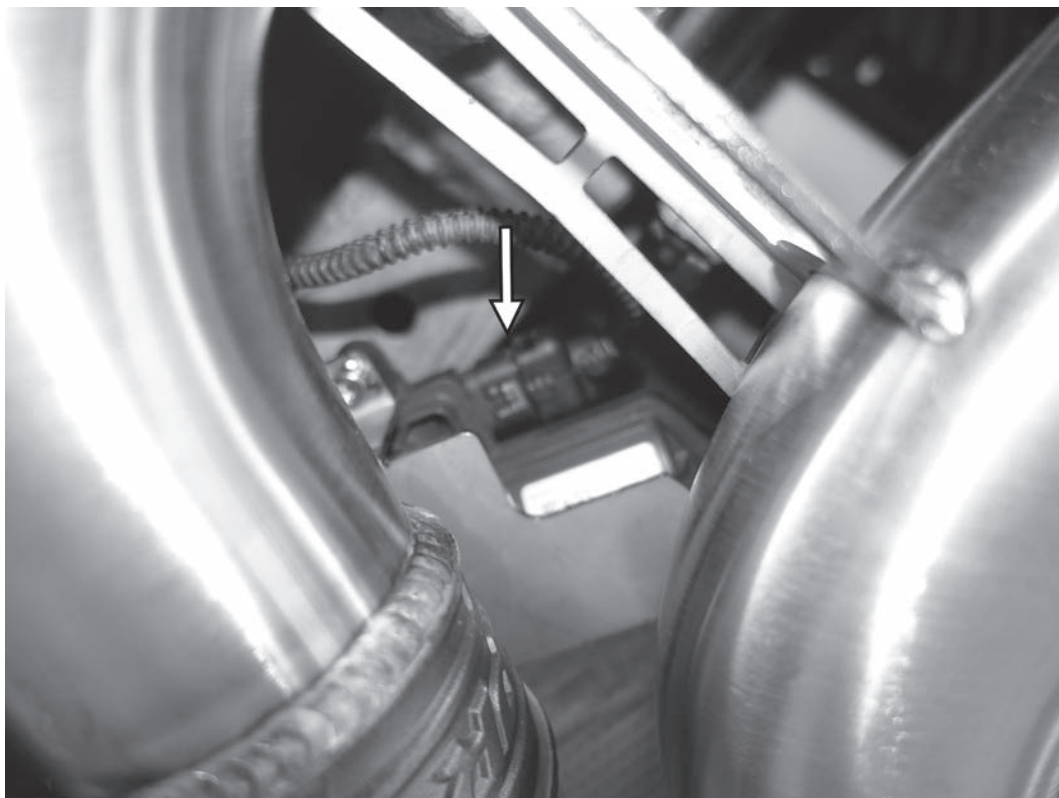
29) On the right side of the rear muffler, reclip the wiring harness for the right exhaust valve motor to the right exhaust hanger bracket.



30) Reconnect the wiring harness to the right exhaust valve motor. Be sure to push the grey tab on the connector forward to lock the connector in place.



**TL100185**



31) Reconnect the wiring harness to the left exhaust valve motor. Be sure to push the grey tab on the connector forward to lock the connector in place.

32) Loosely install two of the exhaust tips with two of the torca style clamps onto the two right outlets of the APR exhaust.



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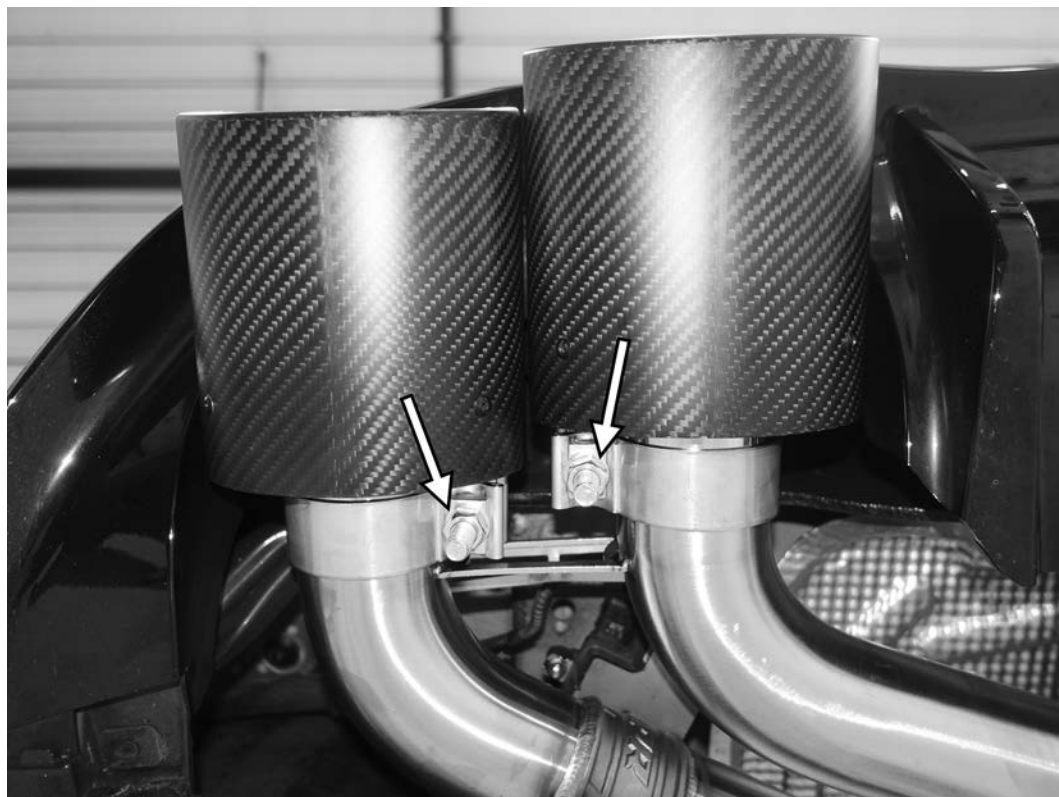


33) Loosely install the remaining two exhaust tips with the remaining two torca style sleeve clamps onto the two left outlets of the APR exhaust. Adjust all four exhaust tips to the desired position inside the rear valence, ensuring to keep an even distance from the rear valence.

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Tighten the four 15mm nuts on the four torca style clamps on the four torca style clamps to 88Nm (65 ft-lbs). Once all clamps are tight, loosen the 15mm nuts on all four clamp. Then retighten them to 63Nm (46 ft-lbs).

The entire APR exhaust system should now be wiped down to remove any handprints or grease before being run on the car. Not doing so will cause the system to “blue” unevenly.



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