

#TL100188

INSTALLATION MANUAL

CBK0057

APR B9 SQ5 Catback Exhaust

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Notes:

These general instructions were written for a North American specification SQ5, but other models 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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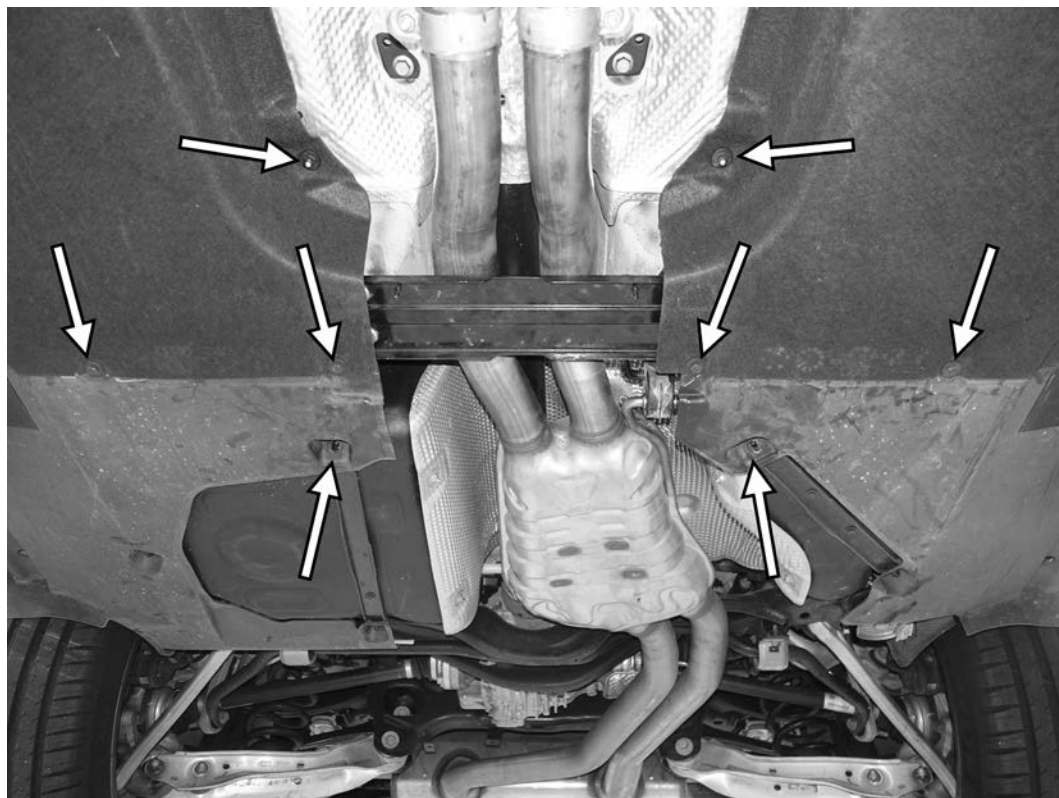
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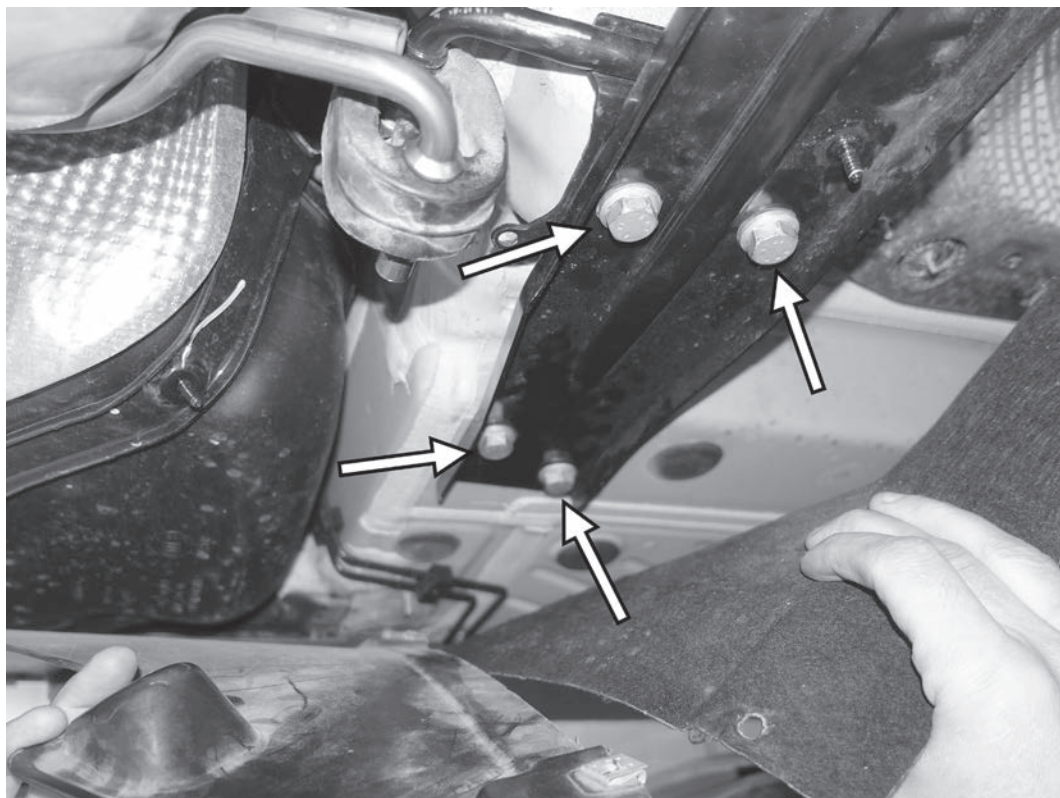
1) Place the vehicle on a lift or secure jackstands.

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2) Remove the four 10mm nuts from the underbody panels around the rear crossbrace. Remove the six 10mm screws (four shown in the picture) connecting the front and the back underbody panels.

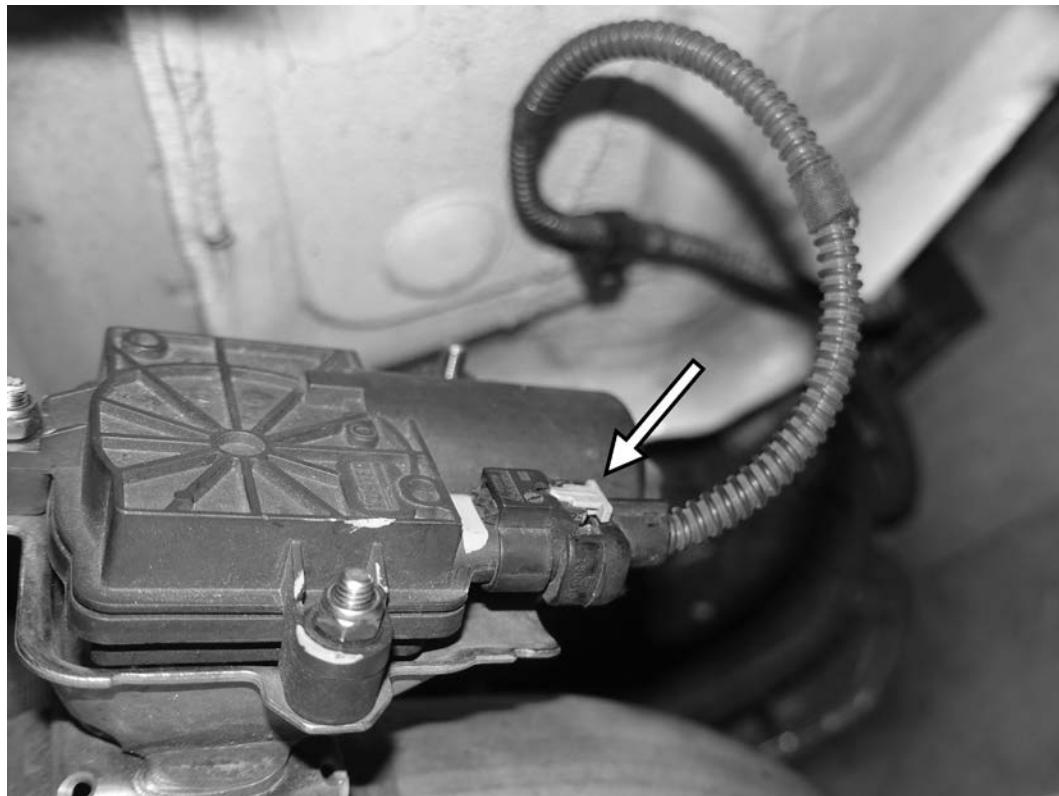


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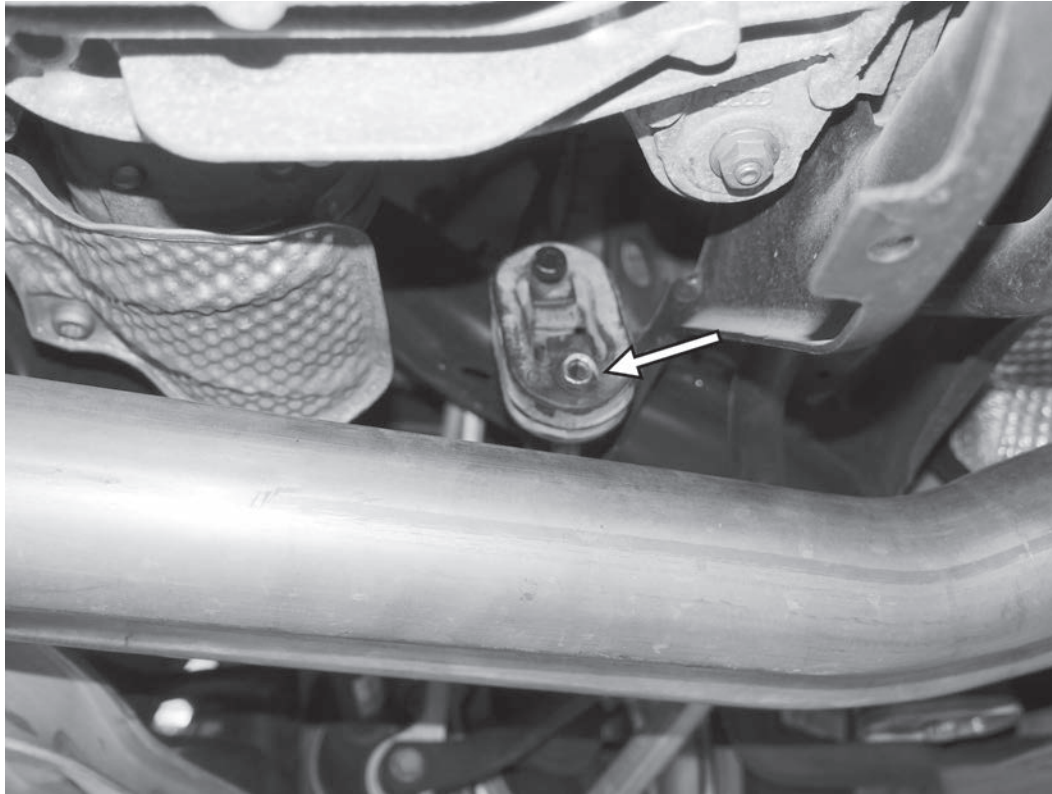


3) Carefully separate the underbody panels in order to access the 16mm bolts holding the crossbrace in place. Remove all eight 16mm bolts from the crossbrace (four shown in the picture) and remove the crossbrace from the car. The exhaust hanger at the back of the center tunnel is attached by two of the 16mm bolts, but the exhaust will not fall.

4) Disconnect the electrical connector from the exhaust valve motor on the left side of the rear muffler. The grey locking tab must be pulled away from the connector before the connector can be squeezed to unplug it.

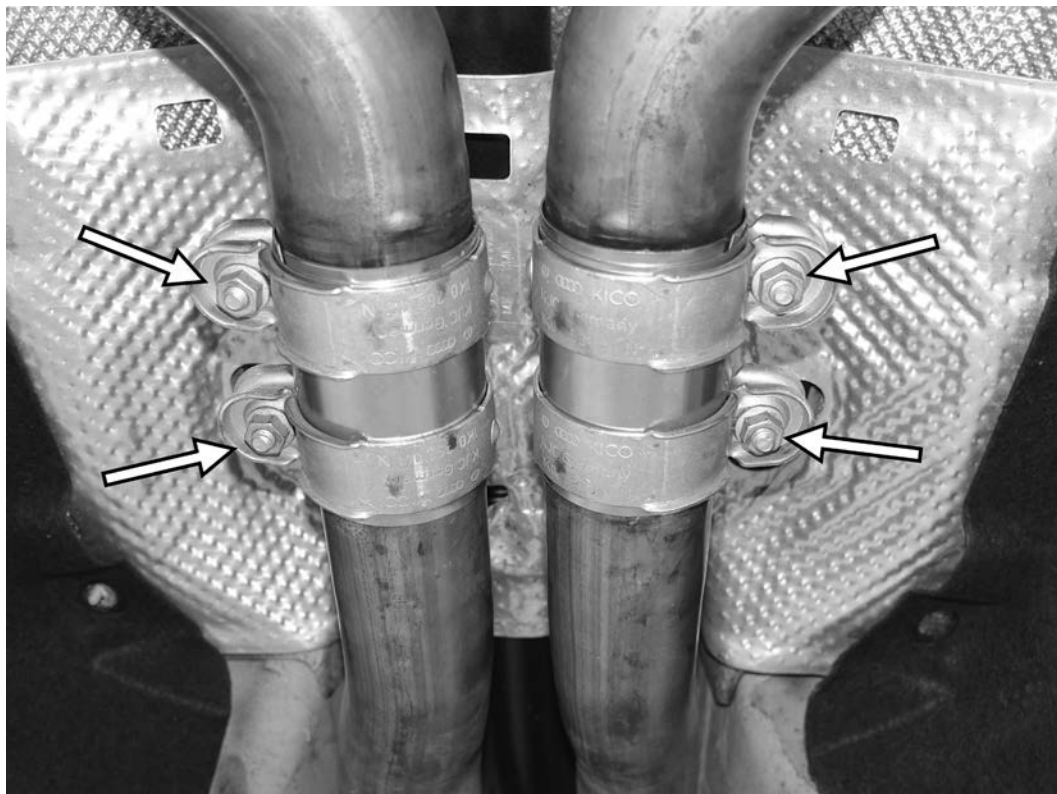


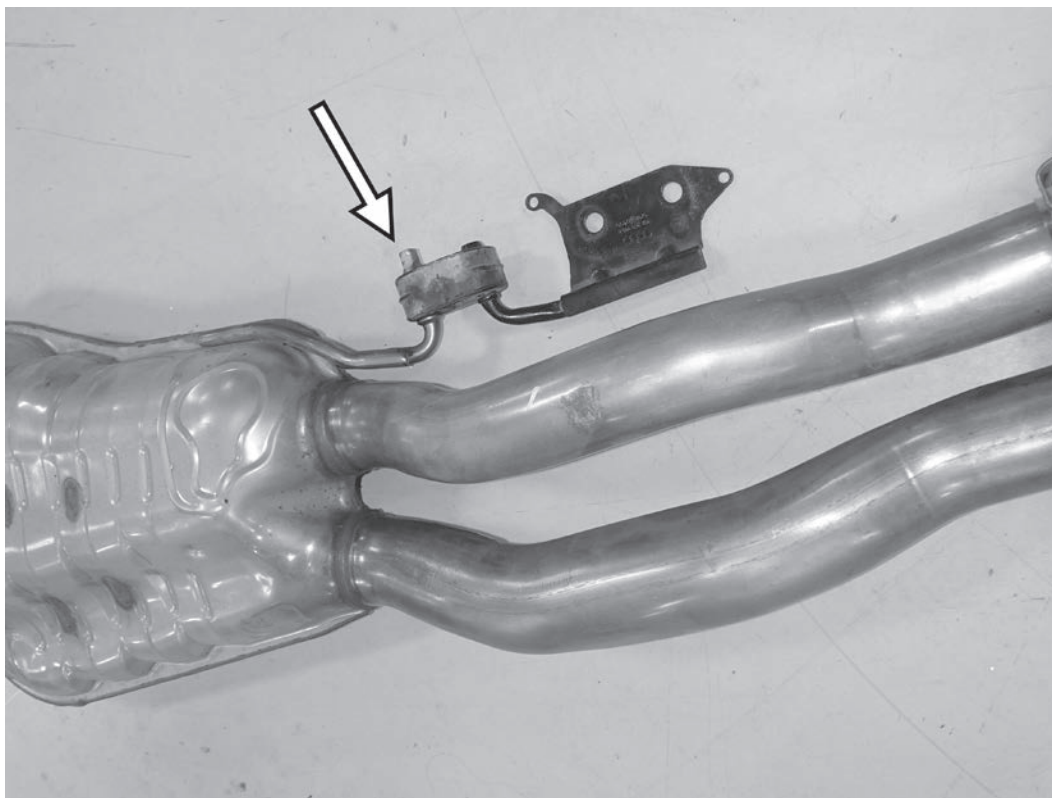
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5) Using an exhaust hanger tool or pry bar, separate the exhaust from the hanger just to the left of the rear differential, leaving the rubber portion of the hanger attached to the car.

6) With an assistant still holding the rear muffler section, loosen all four 13mm nuts on the sleeve clamps on the middle section of the exhaust, just in front of where the crossbrace was. slide the rear section of the exhaust out of the sleeve clamps and carefully lower and remove the rear exhaust section from the car.



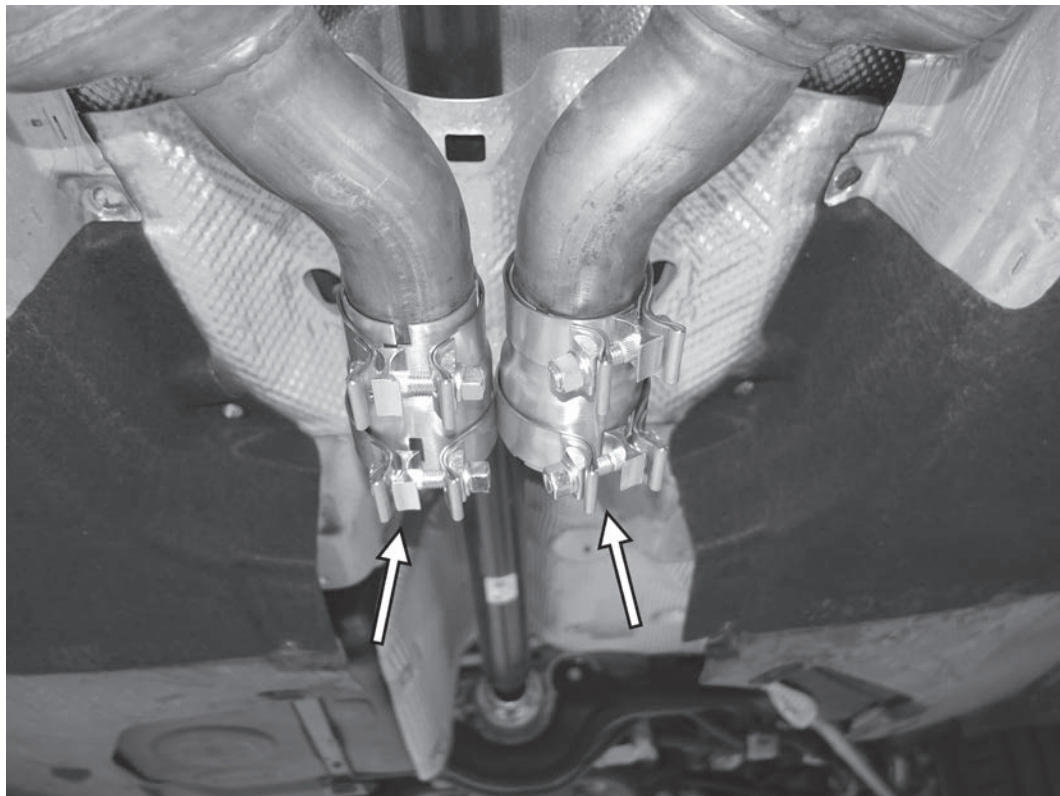


7) After noting how the middle exhaust hanger is oriented on the exhaust system, use a pry bar or exhaust hanger tool to removed the middle exhaust hanger with the rubber hanger attached from the stock exhaust.

8) Apply some sort of lubricant to the rubber exhaust hanger and then attach it to the center section of the APR exhaust in the same orientation as the stock exhaust.



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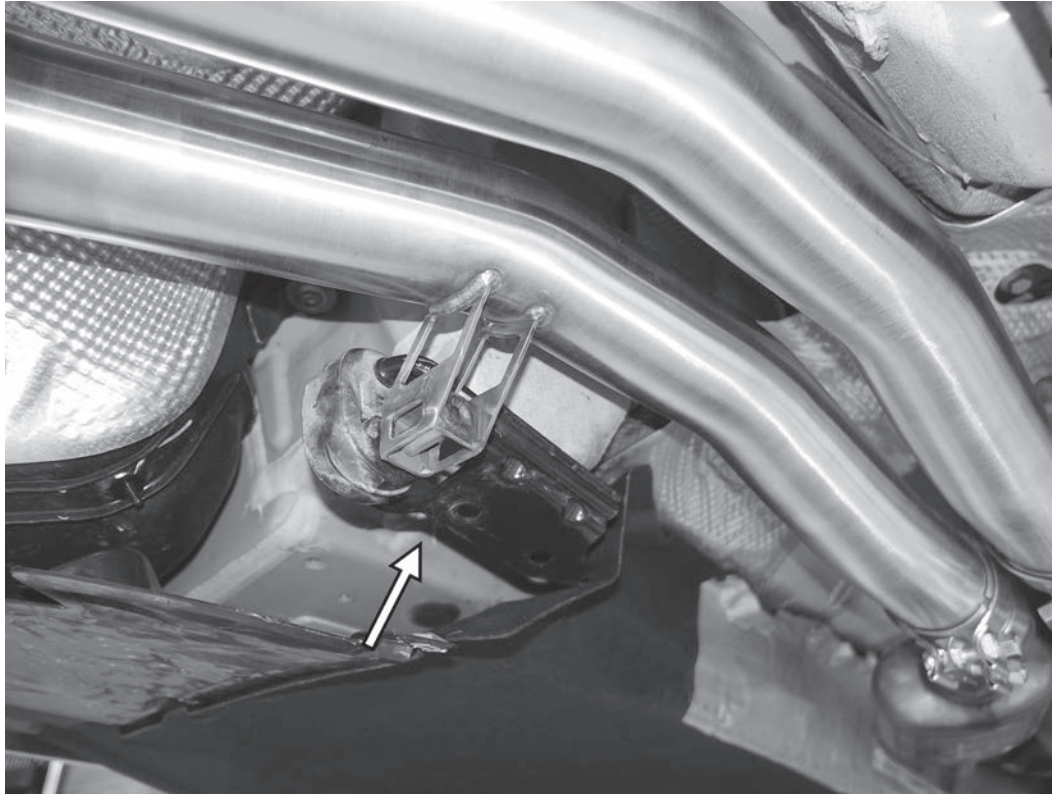
9) If using the stock midpipes, slide the APR exhaust adapter sections onto the back of the stock exhaust, with the bigger side of the adapter facing backwards. If installing with APR midpipes, install two sleeve clamps on the back of the APR mid-pipe section.

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10) Place the center section of the APR exhaust into the back of the adapter sections (or sleeve clamps). Place the rear exhaust mounting post into the rubber hanger that was left attached to the car, just to the left of the rear differential.

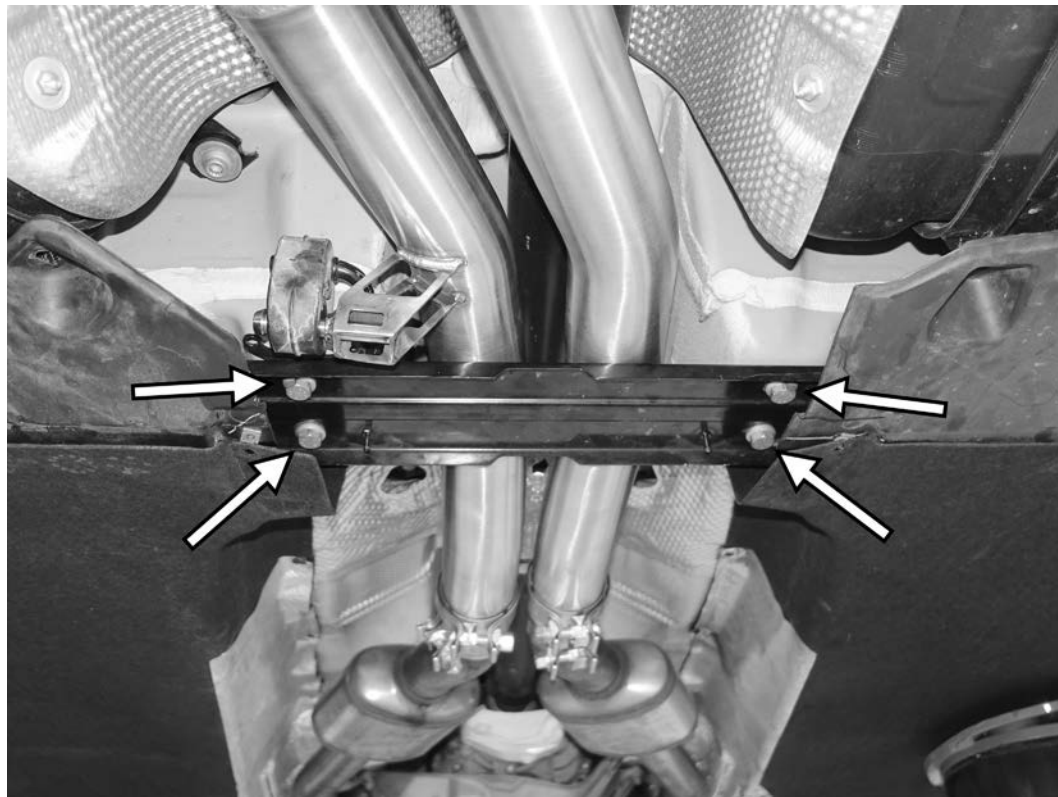


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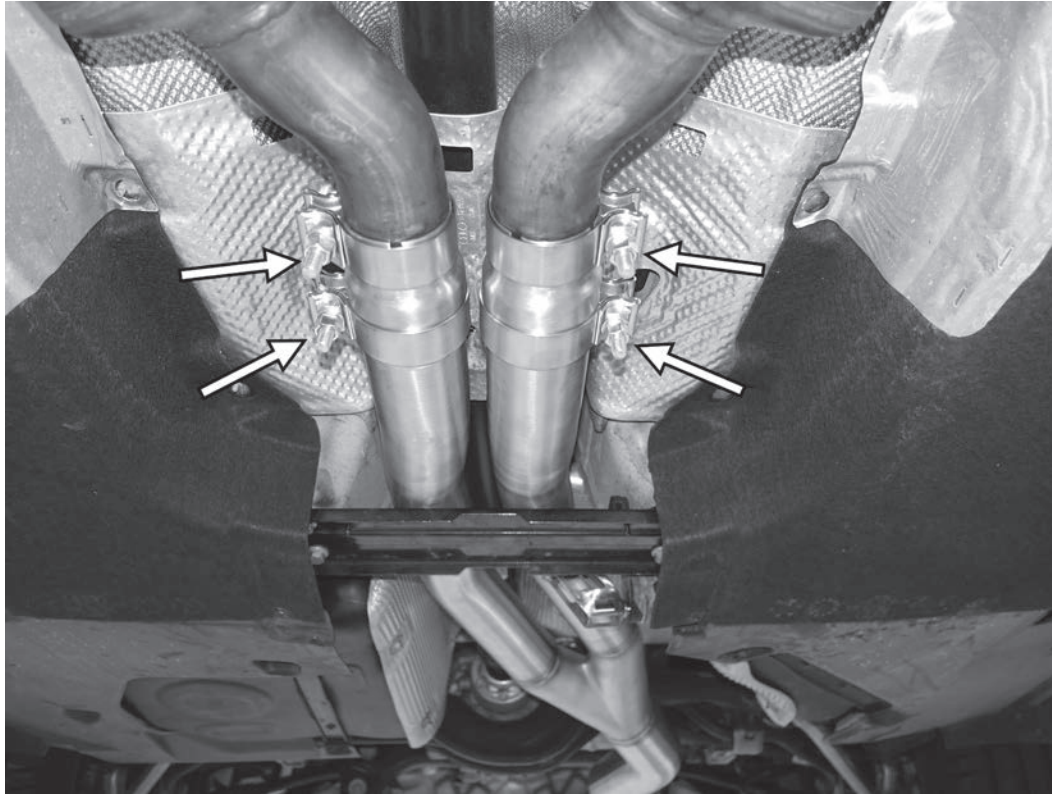


11) Flip the middle exhaust hanger up so it is located up against the chassis, as it was sandwiched between the crossbrace and the chassis of the car. Begin to place the crossbrace back onto the car.

12) Reinstall all eight 16mm screws (four shown in the picture) into the crossbrace to secure it to the car. Tighten all eight screws to 55Nm (40 ft-lbs).



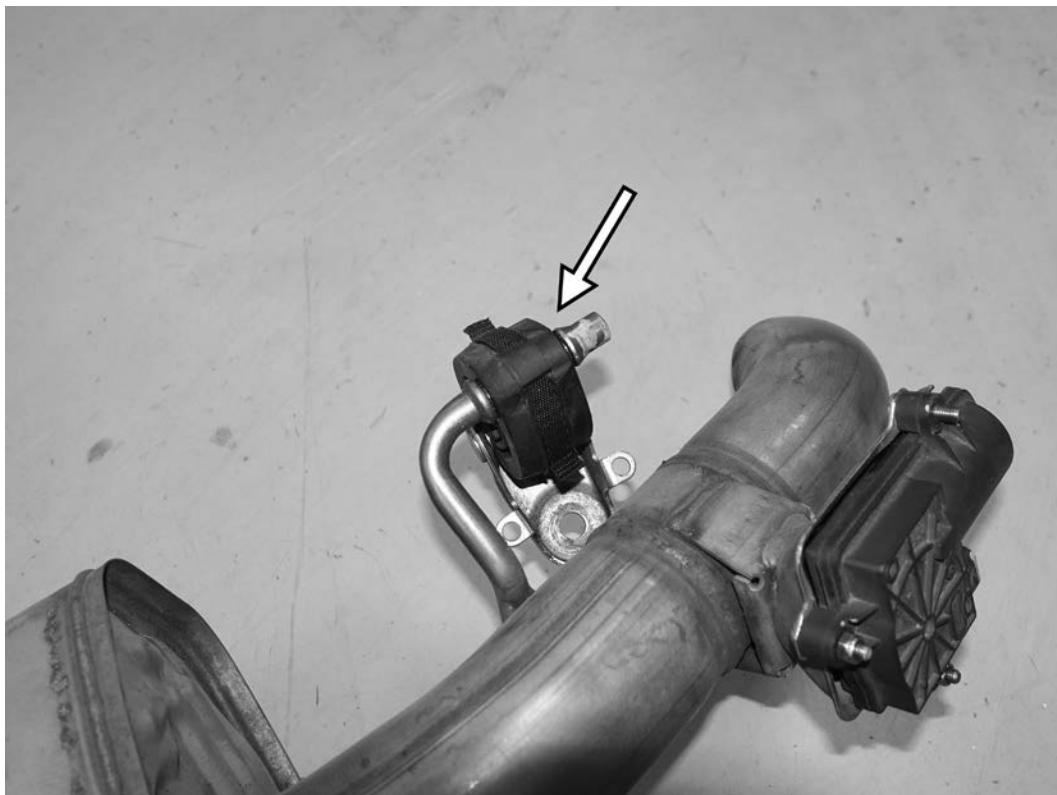
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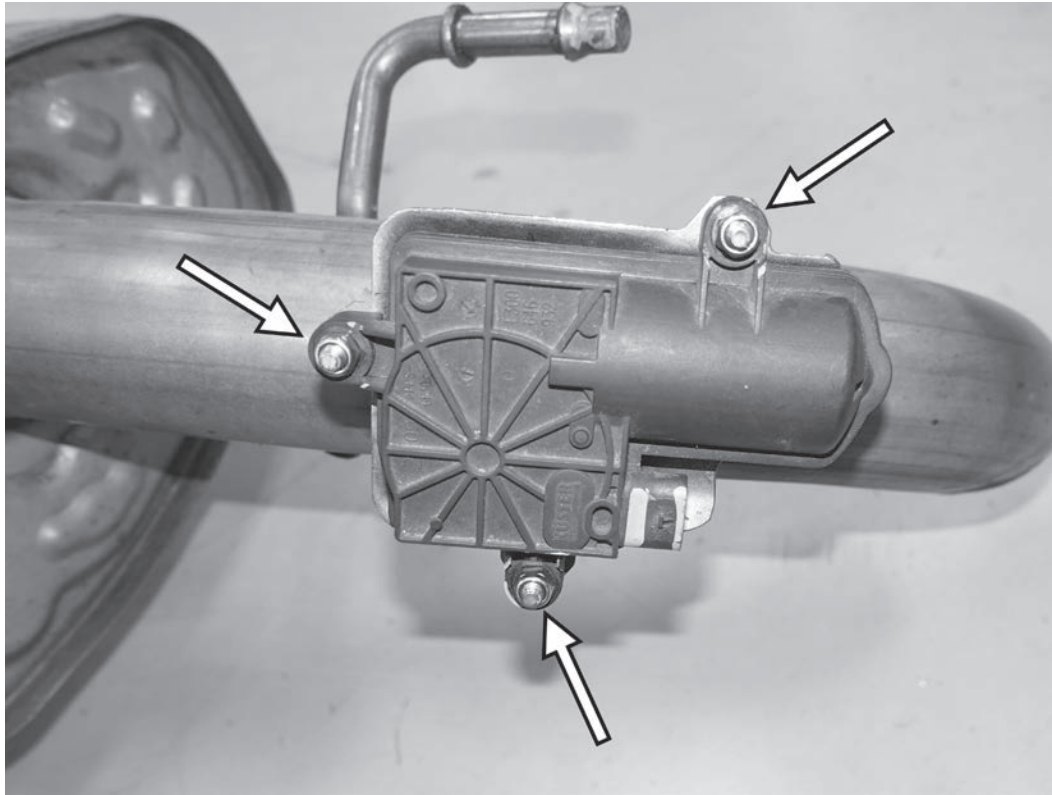
13) Loosely handtighten the four 15mm clamps on the APR exhaust adapter sections. They should be tight enough so the pipe can still be manipulated and moved around, but not fall out of the adapters.

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14) After noting how they are orientated, remove both rubber exhaust hanger with attached exhaust bracket from the stock exhaust. The left side is shown in this picture. Install both hangers in the same orientation on the APR rear muffler section.



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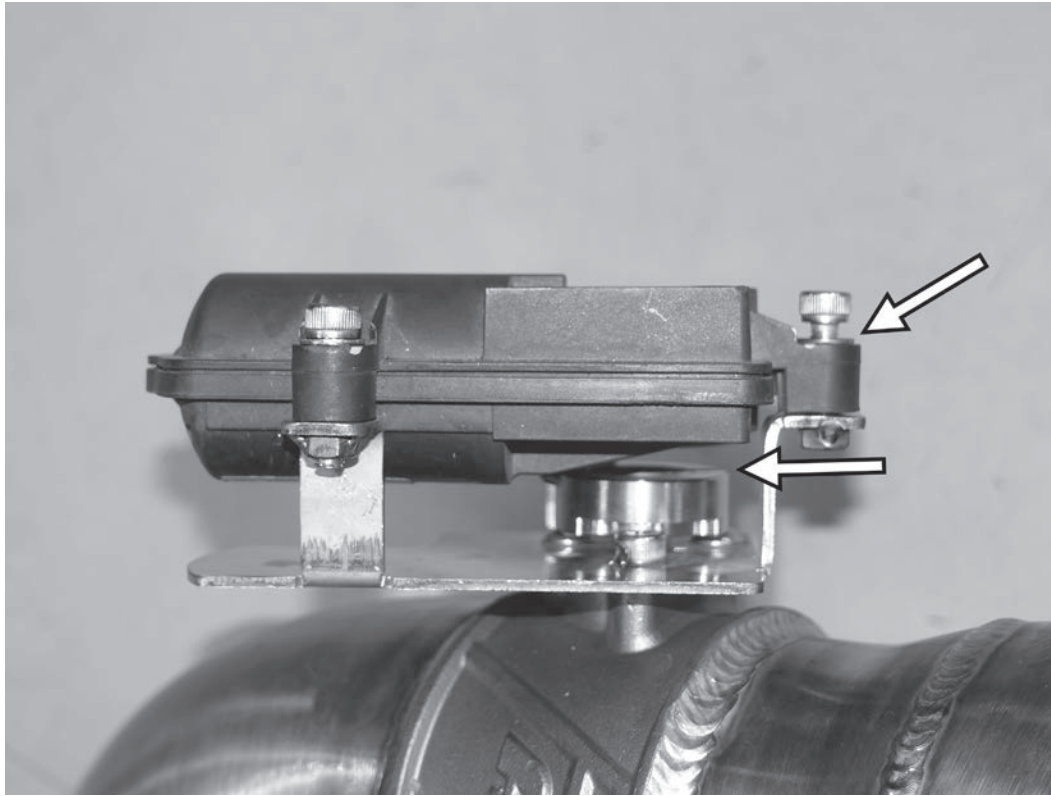


15) Remove the three 8mm nuts holding the stock exhaust valve motor to the left side of the stock rear muffler section.

16) If the spring on the bottom of the factory exhaust valve motor falls off, simply connect it back to the slot on the bottom of the motor.



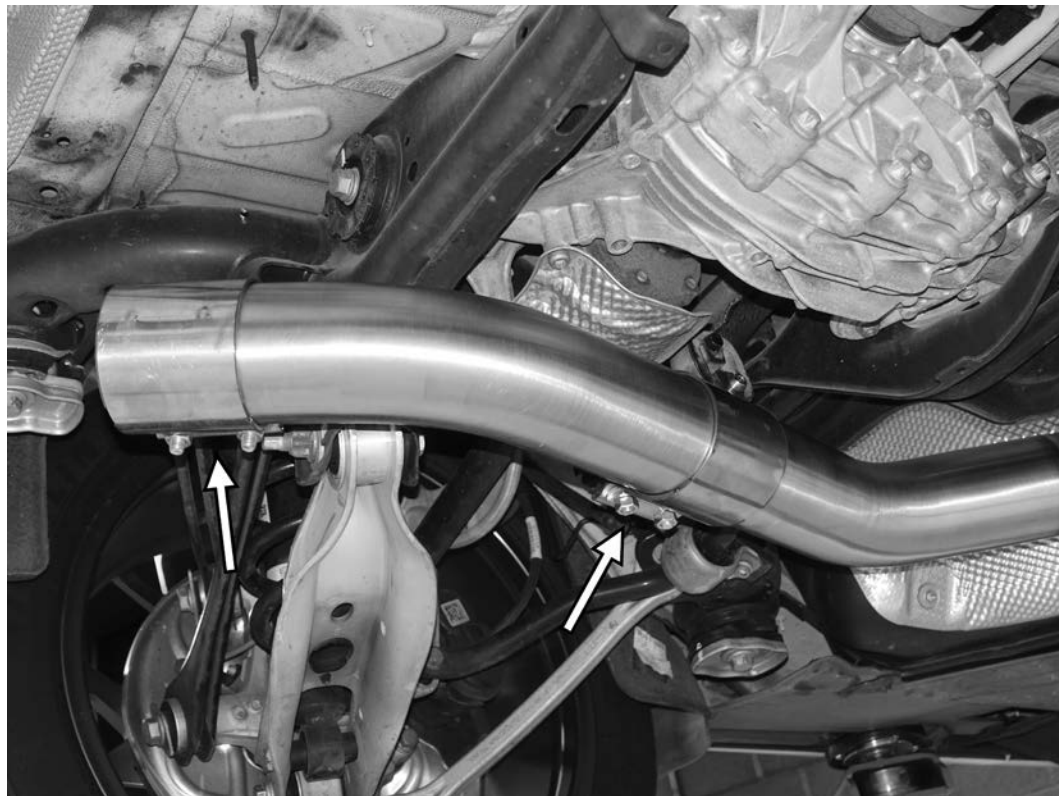
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17) Install the exhaust valve motor onto the APR exhaust, making sure the crossbar on the bottom of the spring tabs into the slot on the APR exhaust valve mount. Install the three supplied washers and 4mm allen screws to secure the motor to the mount, tightening the screws to 3Nm (27 in-lbs).

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18) Loosely install the short section of pipe to the back of the center exhaust section with two of the big sleeve clamps. The longer leg of this pipe goes towards the front of the car.



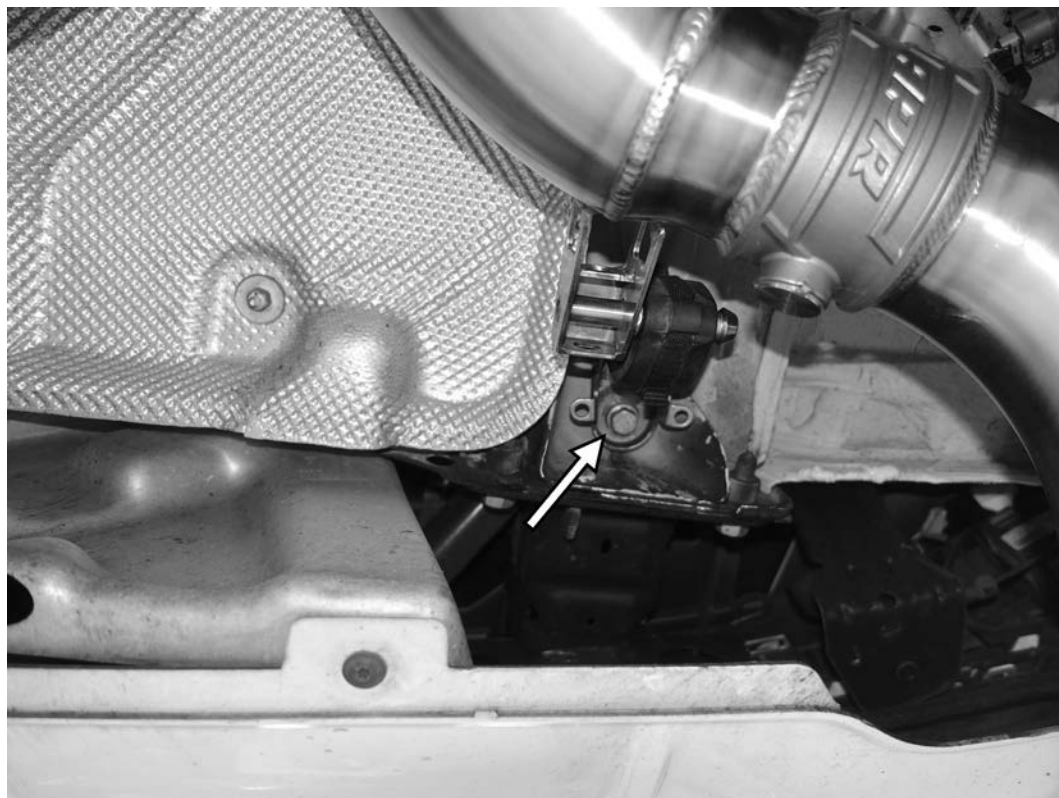
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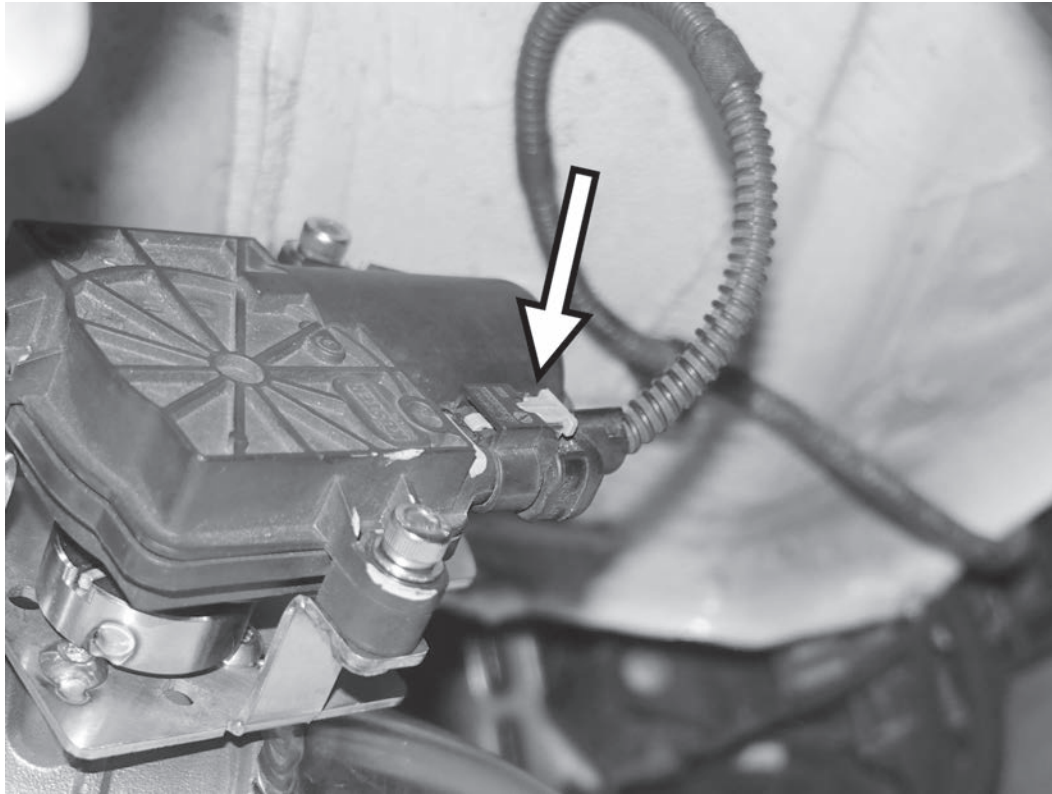
19) Have an assistant place the APR rear muffler section on the back of the car, connecting the inlet of the rear muffler to the big sleeve clamp on the previously installed short section of pipe.

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20) Reinstall the two 13mm screws holding the rear exhaust hanger brackets to the bottom of the car. The left side is shown in this picture. Tighten both 13mm screws to 20Nm (15 ft-lbs).

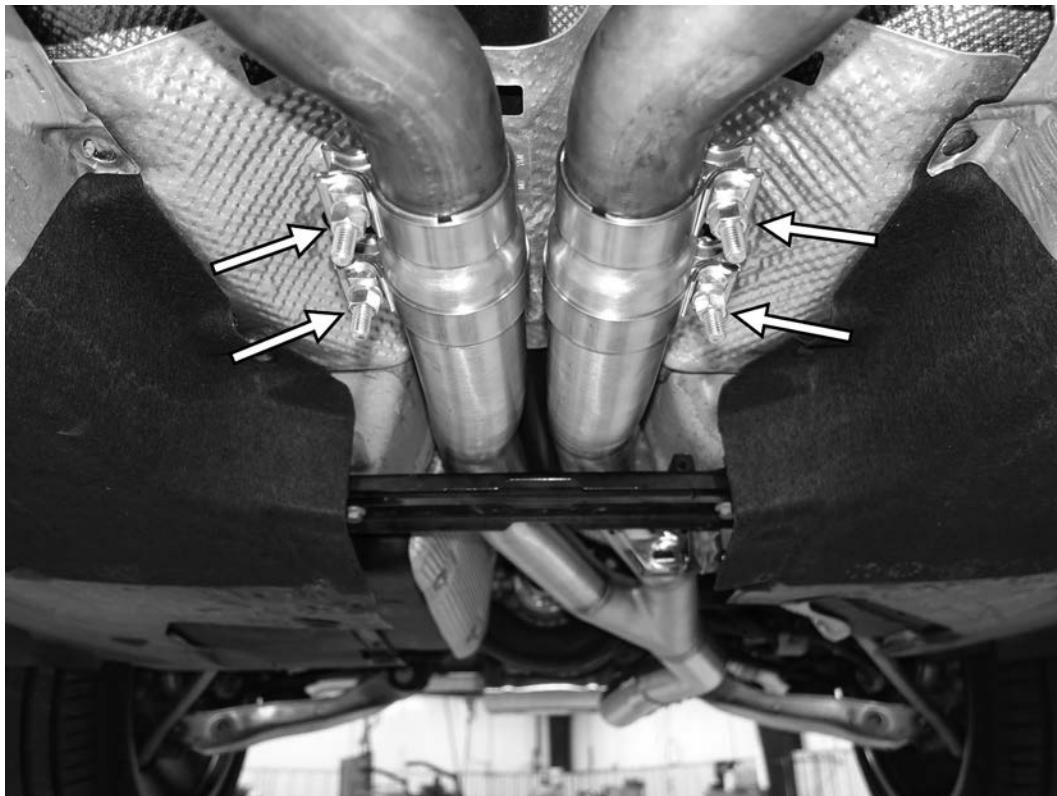


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21) Reconnect the electrical connector to the exhaust valve motor. Once the connector has clicked in place, push the grey tab in to lock the connector on the motor.

22) Working from the front of the car towards the back, adjust the exhaust system so it fits with plenty of clearance and no tension. It may be necessary to hold the center section up at the crossbrace before tightening the four 15mm clamps to 55Nm (40 ft-lbs).

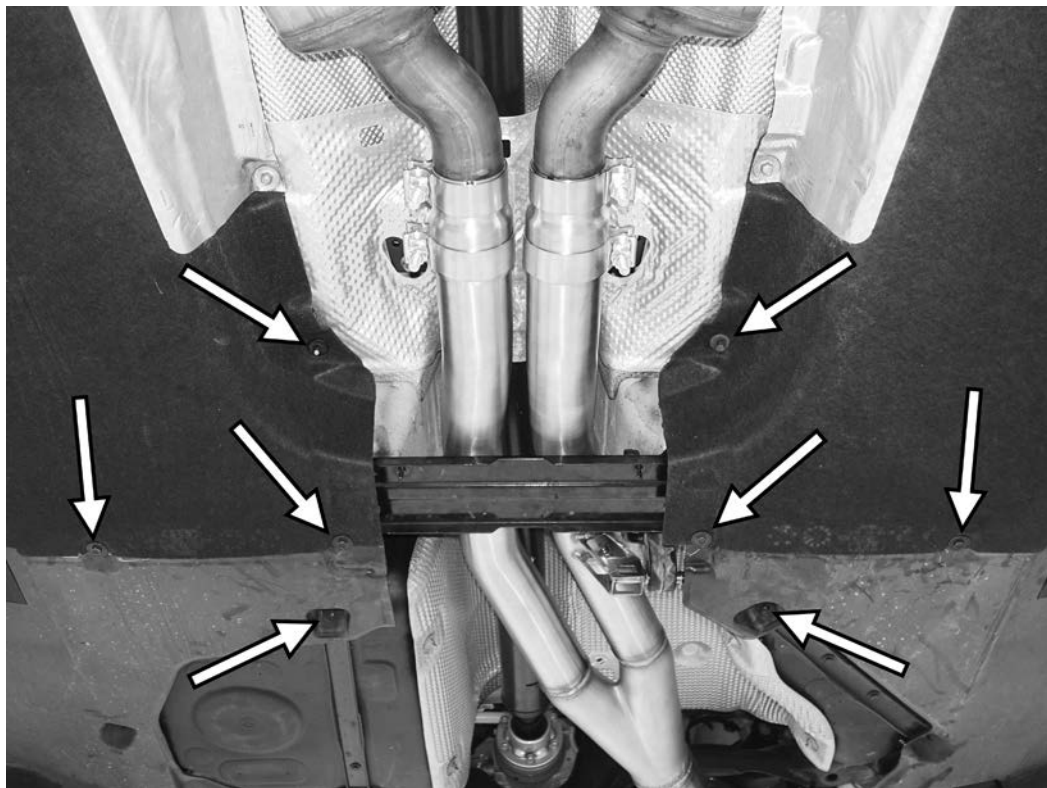




23) After adjusting the exhaust if necessary, tighten the 16mm nuts on the forward sleeve clamp to 25Nm (18 ft-lbs), then tighten the 16mm nuts on the rear sleeve clamp to 25Nm (18 ft-lbs). Wipe the entire APR exhaust down with a cleaner and soft cloth before starting the car, or the oils from your hands will discolor on the hot exhaust.

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24) Reinstall the six 10mm screws (four shown in picture) holding the front to the back underbody panels and tighten to 2.5Nm (22 in-lbs). Reinstall the four 10mm nuts and tighten those also to 2.5Nm (22 in-lbs).



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