



The goal of AMS is to provide the highest quality, best performing products available. By utilizing research and development, and rigorous testing programs AMS will never compromise the quality or performance of our products. In addition, AMS will only provide the finest customer service offering only parts and advice that are in the best interests of the customer. AMS was built on a foundation of integrity. This is who we are; this is what you can count on.

A vehicle modified by the use of performance parts may not meet the legal requirements for use on public roads. Federal and state laws prohibit the removal, modification, or rendering inoperative of any part or element of design affecting emissions or safety on motor vehicles used for transporting persons or property on public streets or highways. Use or installation of performance parts may adversely affect the drivability and reliability of your vehicle, and may also affect or eliminate your insurance coverage, factory warranty, and/or new OEM part warranty. Performance parts are sold as-is without any warranty of any type. There is no warranty stated or implied due to the stresses placed on your vehicle by performance parts and our inability to monitor their use, tuning, or modification.

These instructions are provided as a guide only as there are many variables that cannot be accounted for concerning your particular vehicle, including but not limited to model year differences, model differences, the presence of non-OEM parts, and modifications that may already be or were previously installed. A basic knowledge of automotive parts and systems is helpful but a better understanding of the parts and systems on your particular vehicle may be required.


If you have any questions or issues at any time during the installation of your AMS product(s) please call us for technical assistance. The AMS tech line can be reached during business hours at 847-709-0530 for AMS products only.

Difficulty Level: 3-4. This is very intensive for an intercooler installation. Experienced mechanical skills recommended.

Tools Required:

| Wrenches | Sockets | Specialty |
|--|----------------------------|---|
| Long 10mm box end wrench. 12mm box end wrench | 7mm 8mm 10mm 12mm | Stubby Phillips head screwdriver Wire cutters 7mm nut driver 8mm or 5/16" nut driver small flat blade screwdriver or body clip removal tool |

Packing List:

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- 1 - GTR Intercooler
 - 1 - Drivers side silicone outlet
 - 1 - Passenger side silicone inlet
 - 2 - Silicone inlets
 - 2 - #40 clamps
 - 2 - #48 clamps
 - 4 - #44 clamps
 - 10 - M8x25mm bolts
 - 4 - M6x12mm bolts
 - 4 - M6 nuts

Installation Instructions:

- 1) Disconnect negative battery terminal.

2) Remove 8 clips from radiator shroud under hood prop area and remove shroud. Remove 10 clips, 16 body plugs, 18 6mm bolts, and 2 8 mm bolts from front part of undertray/lower lip section. Undertray should drop from bumper and slide out from middle section of the undertray.



3) Remove front section of inner fender liners. 9 clips and 1 screw per side.



- 4) Remove 3 6mm bolts holding the sides of the bumpers to the fenders. Two bolts are on each side of the side marker and the other bolt is toward the headlight. Also disconnect the side marker lamp and repeat for the other side.



- 5) Remove 6 clips holding top of bumper to radiator support and carefully remove bumper. Disconnect fog lights if equipped.
- 6) Remove foam bumper support by carefully pulling straight away from metal bumper.

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- 7) Remove 4 6mm bolts holding undertray/splitter mounts to the aluminum bumper. Remove aluminum bumper by removing 8 8mm bolts in front of bumper.



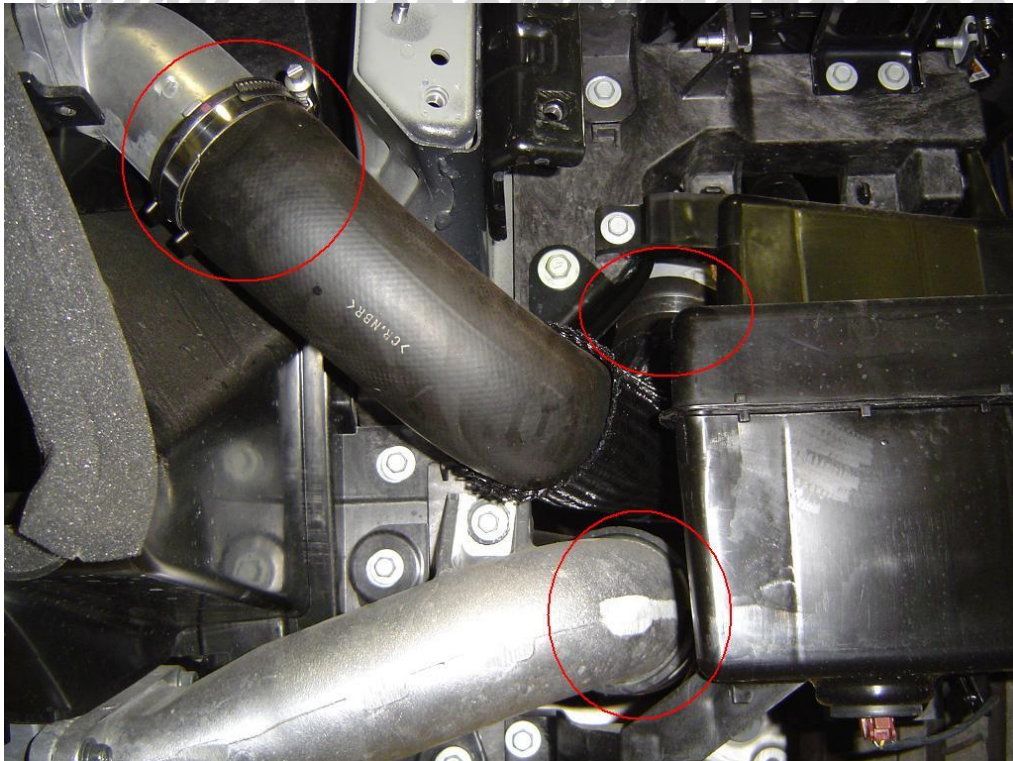
- 8) Cut 4 plastic rivets off of the intercooler shroud and remove shroud. These will be replaced with supplied 6mm bolts during reassembly.



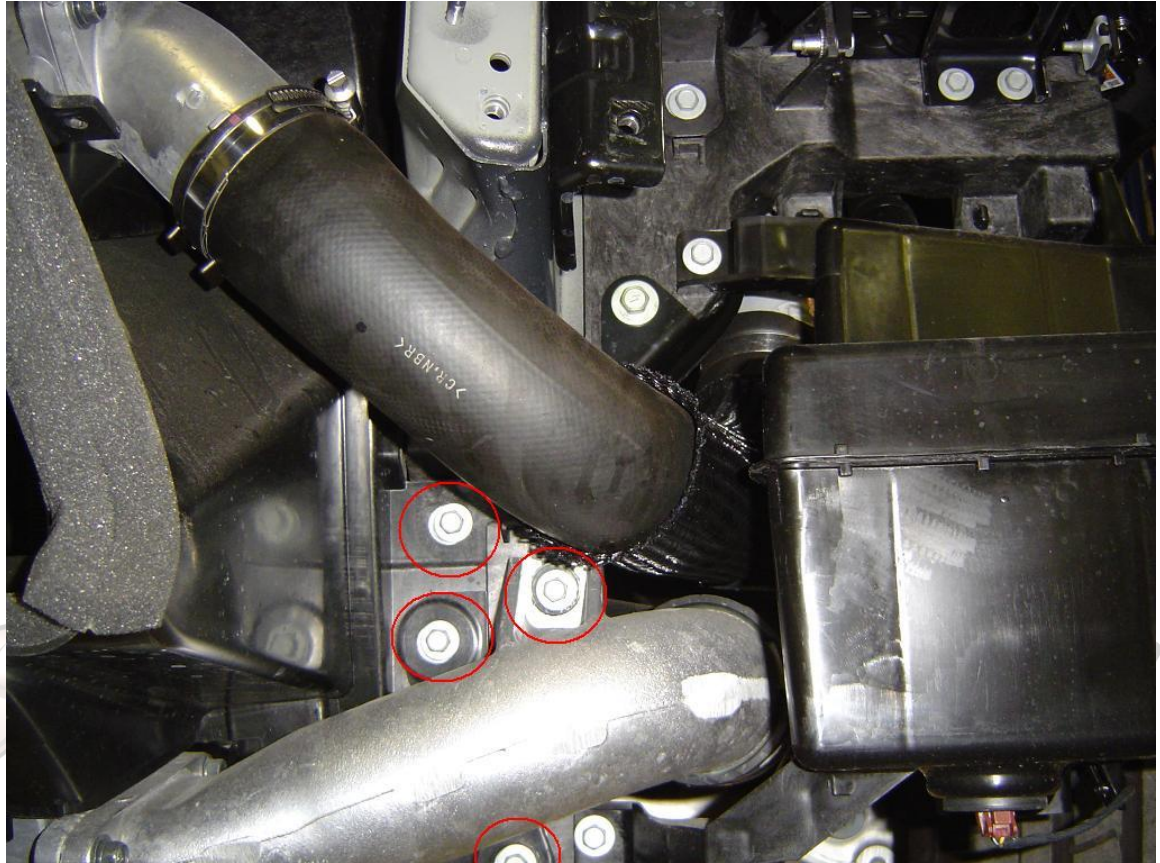
9) Remove oil cooler ducting by removing 4 clips.

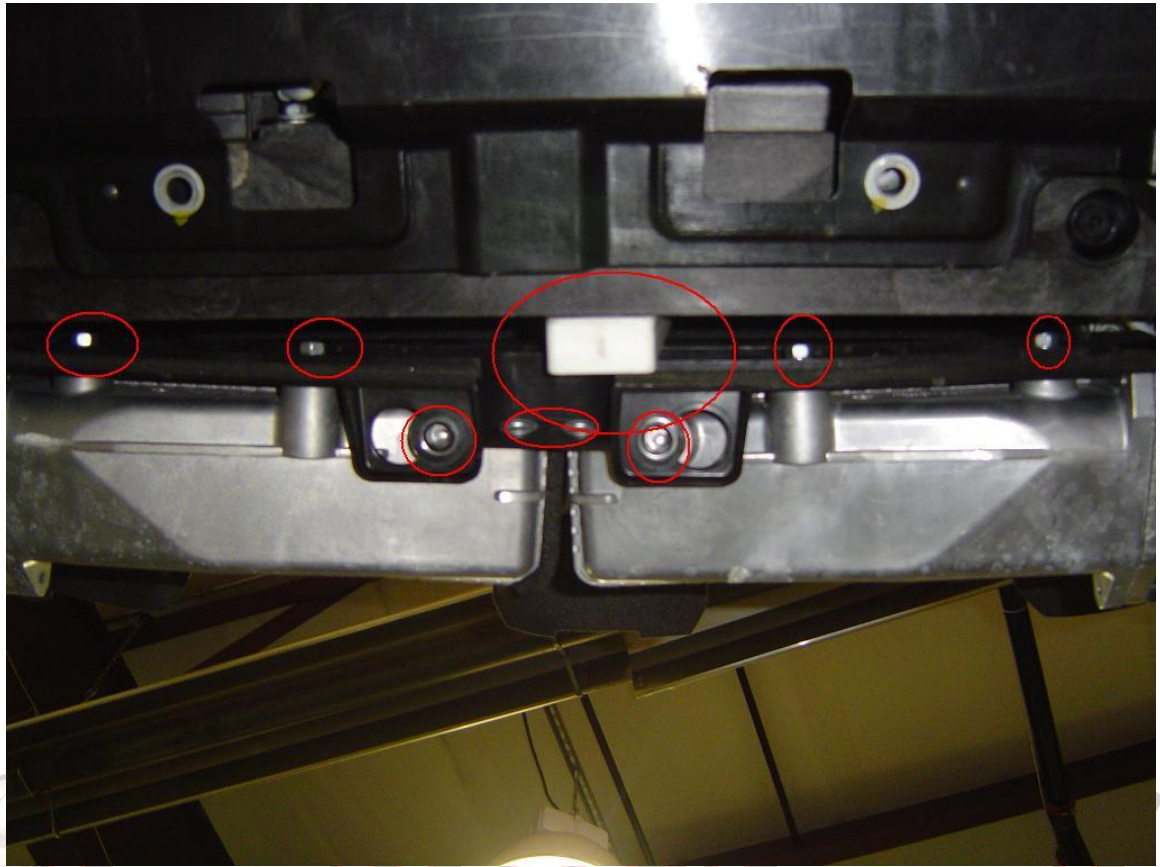


10) Remove upper intercooler hoses by loosening 7mm nuts on clamps. Disconnect lower hoses from intercooler.

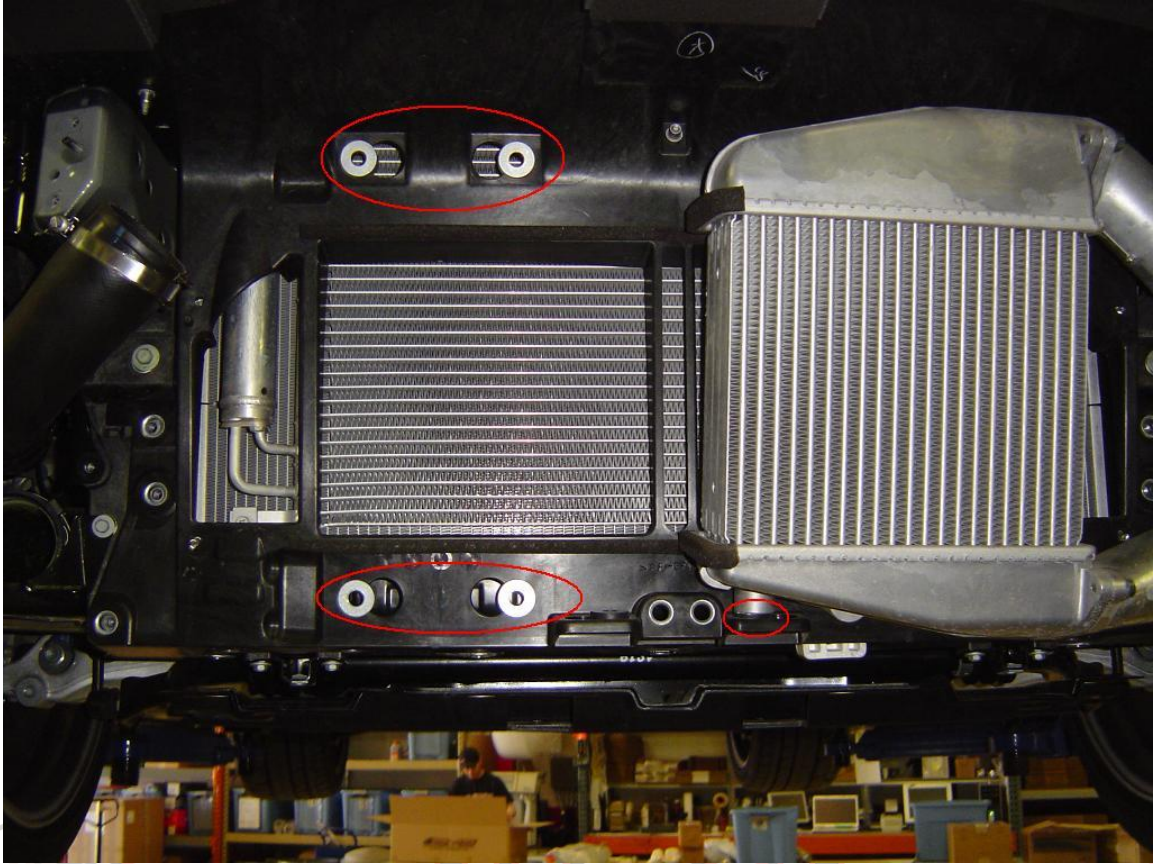


- 11) Remove 6mm bolt from lower intercooler outlet pipe support bracket. Remove 3 6mm bolts holding intercooler support to frame. Remove lower bracket holding intercooler support to frame. Pull intercooler support away from frame and place a wedge of piece of wood to allow access to hidden intercooler.

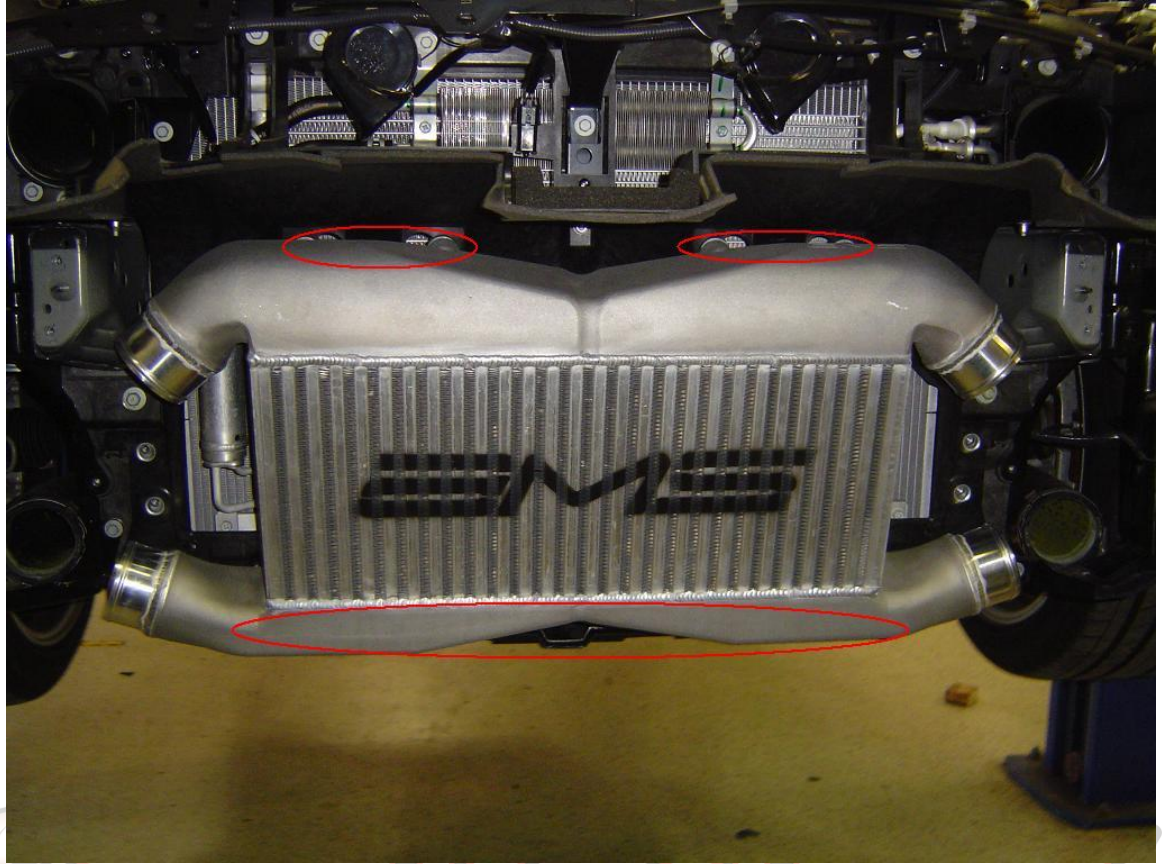




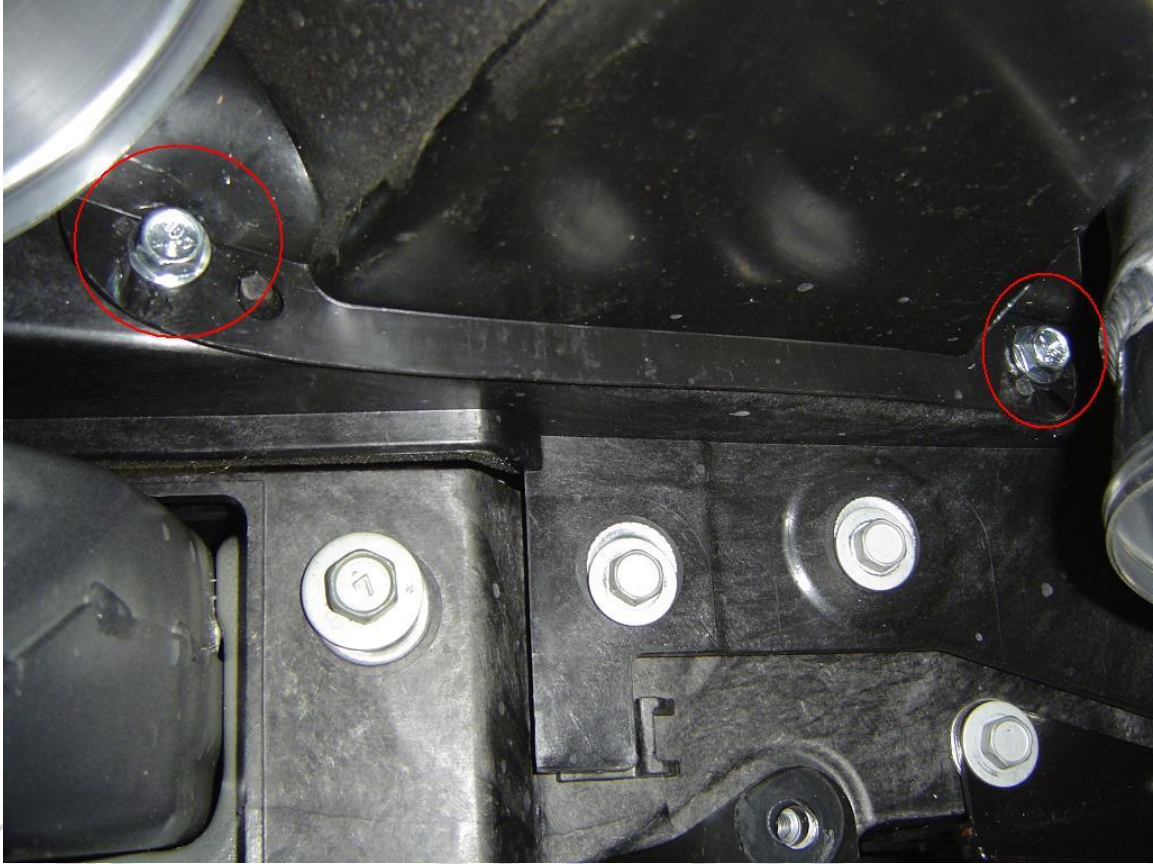
- 12) Begin removal of factory intercoolers by removing 2 8mm bolts at top of each intercooler. Move to bottom of intercoolers and remove 2 rear facing 8mm bolts in lower intercooler end tanks. Remove 8mm bolt from bottom of intercooler end tank. Repeat these steps for 2nd intercooler. At this point the intercoolers should come free of the car.



13) Bolt on AMS intercooler using 10 supplied 8x25mm bolts.



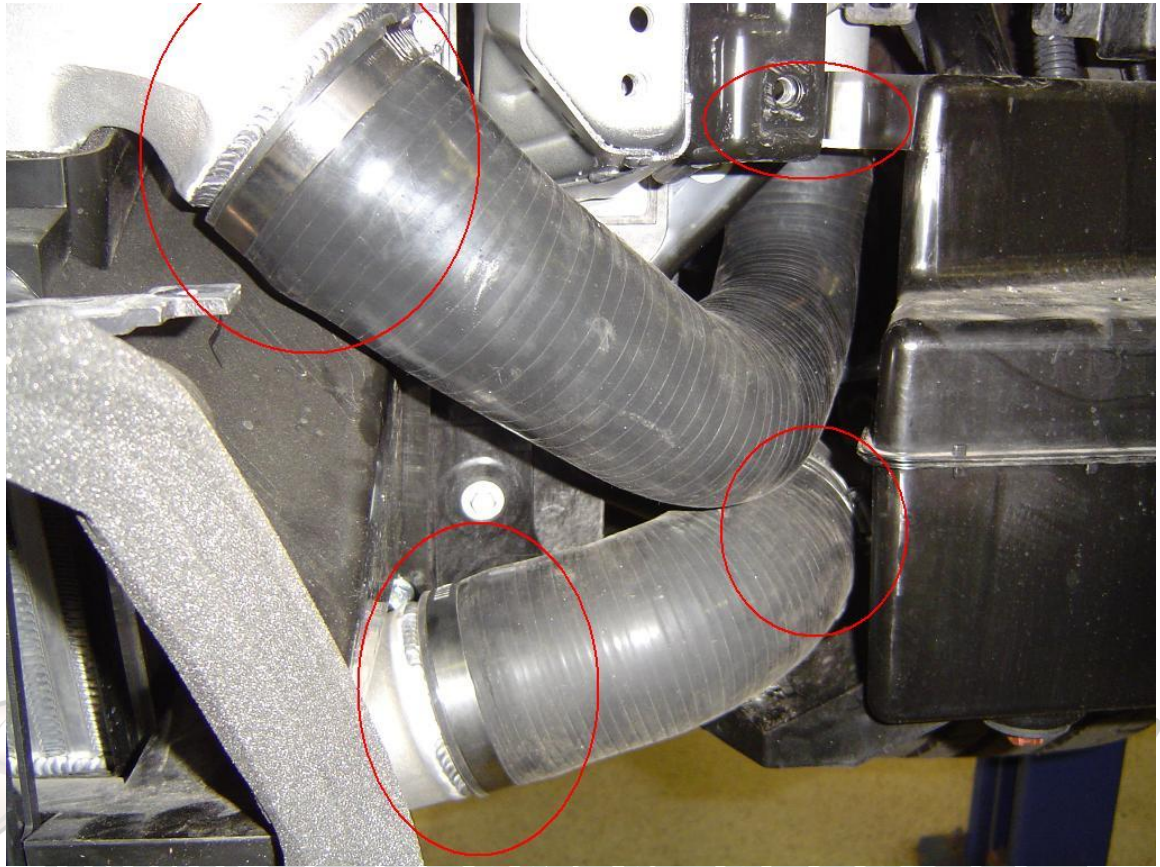
14) Re-install intercooler shroud using 4 supplied 6x12mm bolts and nuts where plastic rivets were cut out.



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- 15) Install 2.75" aluminum adaptor onto 90 degree silicone hoses. Install hose and adaptor onto lower intercooler tank and existing factory intercooler hose. Torque all clamps to 41-45 in. lbs. Do not over tighten! Over tightening will damage

aluminum piping. Under tightening will cause boost leaks that will be very hard to get to later on.



16) Install U-shaped silicone hose onto upper intercooler tank and to factory hard pipe in wheel well. Torque all clamps to 41-45 in. lbs. Do not over tighten! Over tightening will damage aluminum piping. Under tightening will cause boost leaks that will be very hard to get to later on.

17) Re-install oil cooler ducting, aluminum bumper, foam support, bumper cover, wheel well liners, and under panels reverse of removal.