



MERCEDES A45 AMG – SIDEMOUNT CHARGE COOLER RADIATOR INSTALLATION INSTRUCTIONS.



Tools required:

- Vehicle ramp or jack and suitable axle stands.
 - 10mm spanner.
 - 8mm, 10mm Socket, suitable ratchet.
 - T25 Torx driver.
 - Flatblade screwdriver or flat panel clip removal tool.
 - Hacksaw blade or similar.
 - Suitable container to drain coolant into.
 - Safety eyewear, footwear, gloves and protective clothing are also recommended.
1. To avoid injury, allow the vehicle to cool down fully before starting this installation.
 2. Raise the vehicle on a ramp or using a jack and support with suitable axle stands.

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3. Open and secure the bonnet. Carefully remove the battery cover and using a 10mm spanner disconnect the 2x battery terminals. Use a suitable piece of packing material to prevent the terminals from touching the battery while the parts are being installed.



Note: Failure to correctly disconnect the battery may cause issues with the crash protection system (SRS) and the ECU.

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4. Remove the rubber strip from the top edge of the bumper.

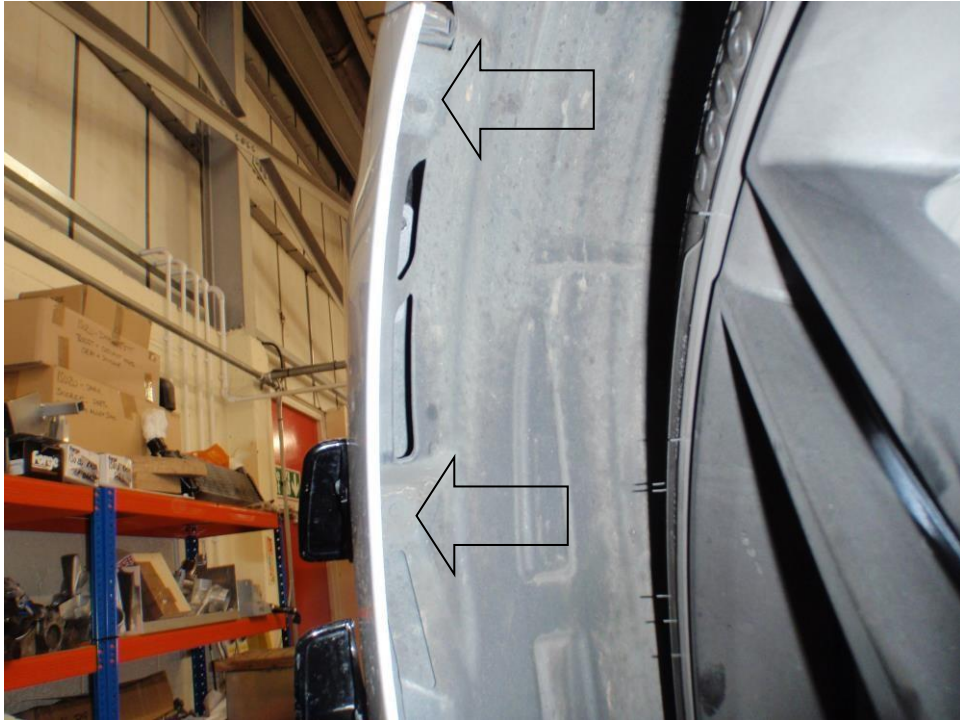


5. Using a T25 Torx driver undo the 5x screws across the top of the bumper.

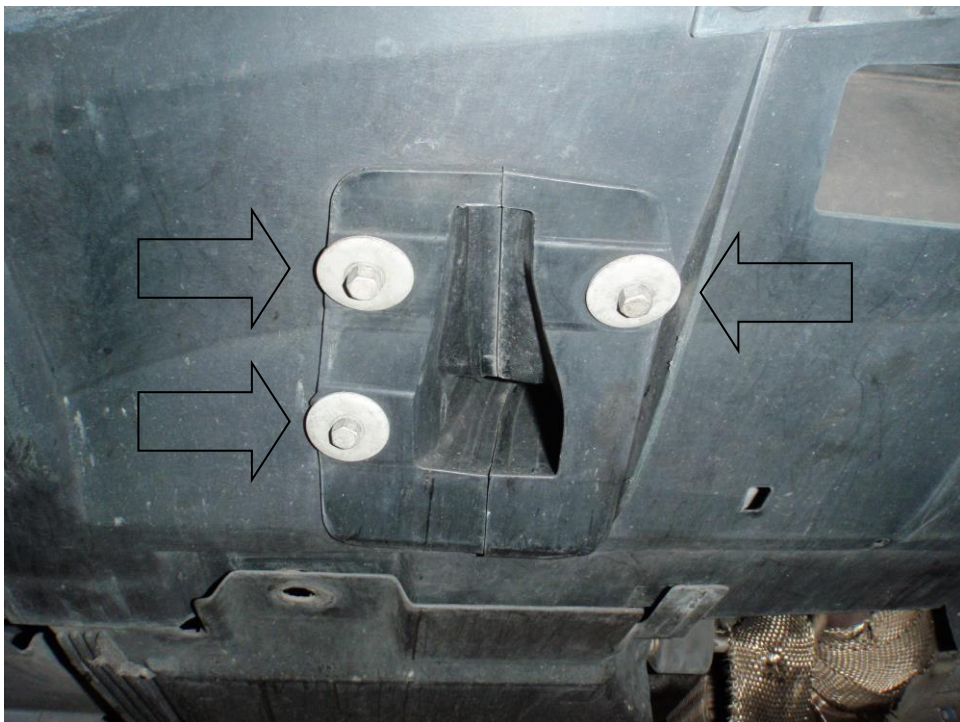


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- Using a flat panel-clip tool or similar remove 2x plastic clips from each arch liner.



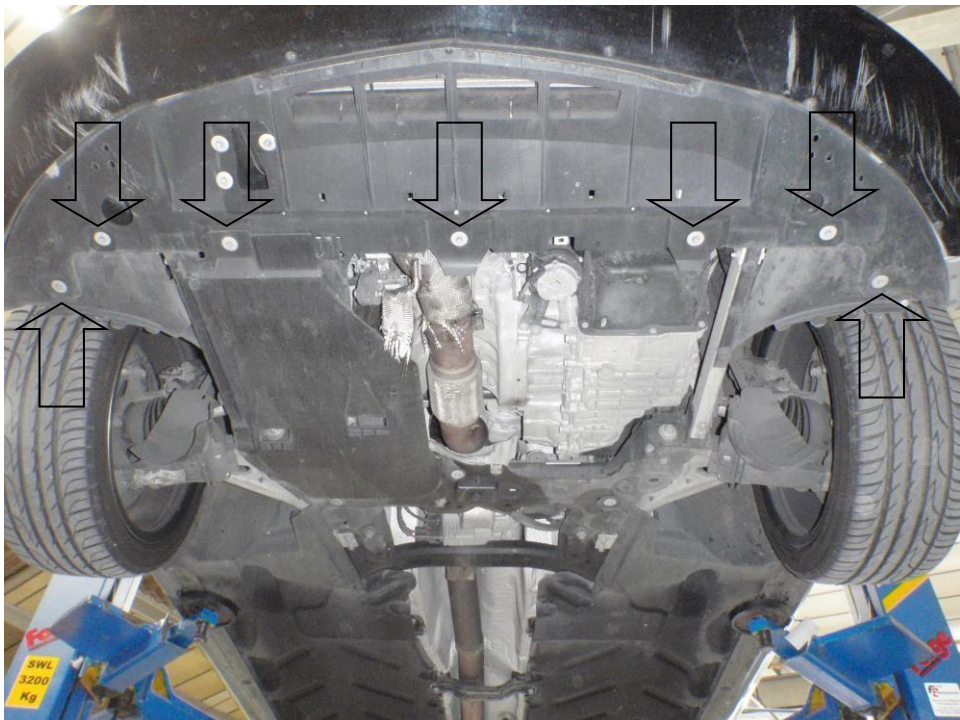
- Undo 3x 8mm screws and remove air intake scoop.



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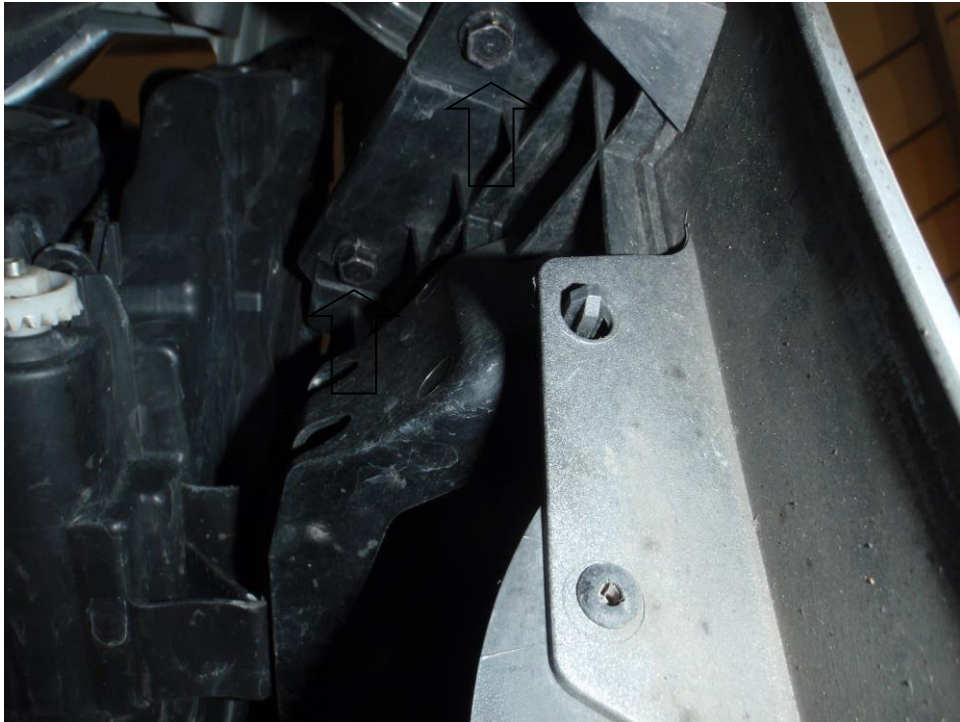


8. From the underside of the vehicle, undo 7x 8mm screws.



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9. Using a 10mm socket, extension bar and 1/4" drive ratchet undo 2x bolts. Pull the arch liner to one side to access. Repeat the process for the opposite side.



10. The next part requires two people to carefully pull the bumper away from the vehicle. While one person holds the bumper, the second person needs to reach inside and disconnect the temperature sensor and large electrical connector (located on the left-hand side of the vehicle viewed from the front).

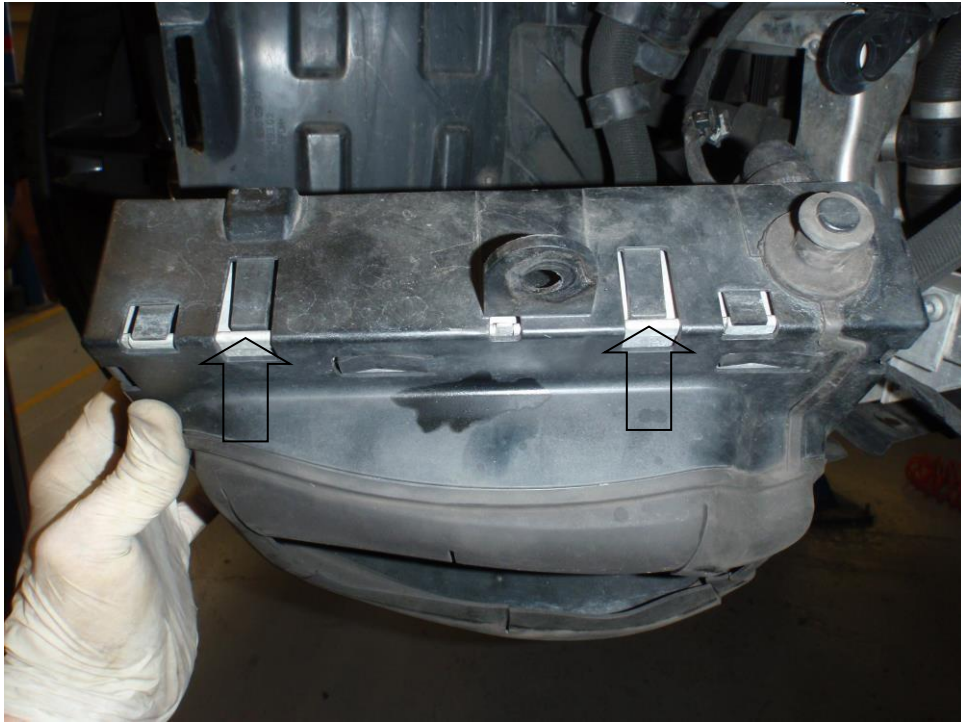


11. Using a 10mm spanner undo 2x nuts, slide the sidemount radiator out of its brackets to allow access to the coolant couplers.

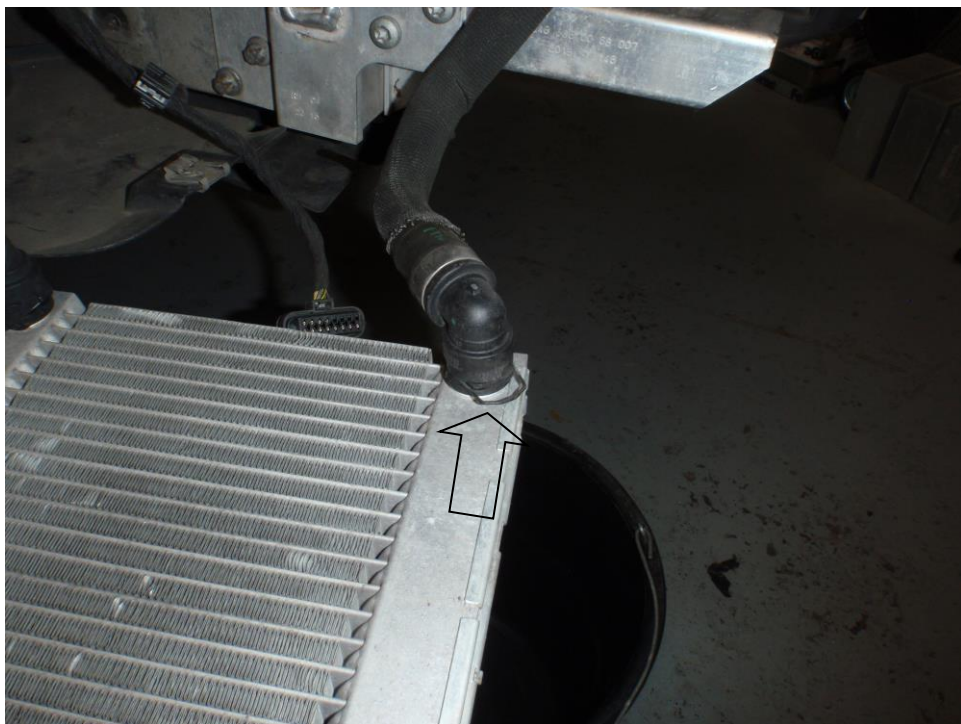


12. Using a Flat-blade screwdriver or panel clip tool carefully remove the plastic shroud from the outside of the OEM radiator. Take care not to damage any of the plastic clips.

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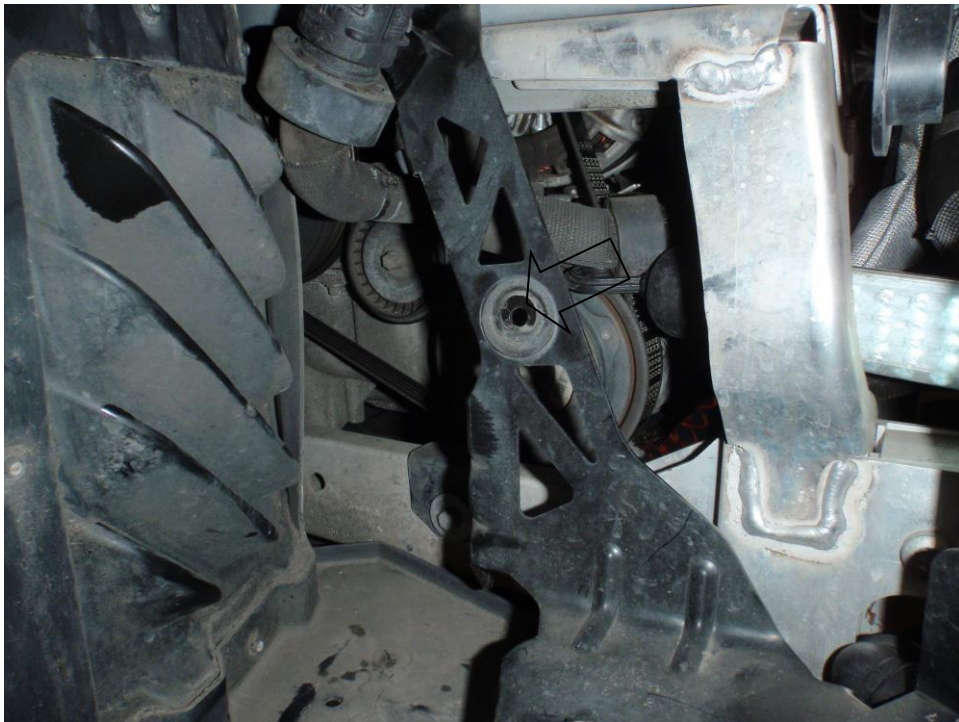
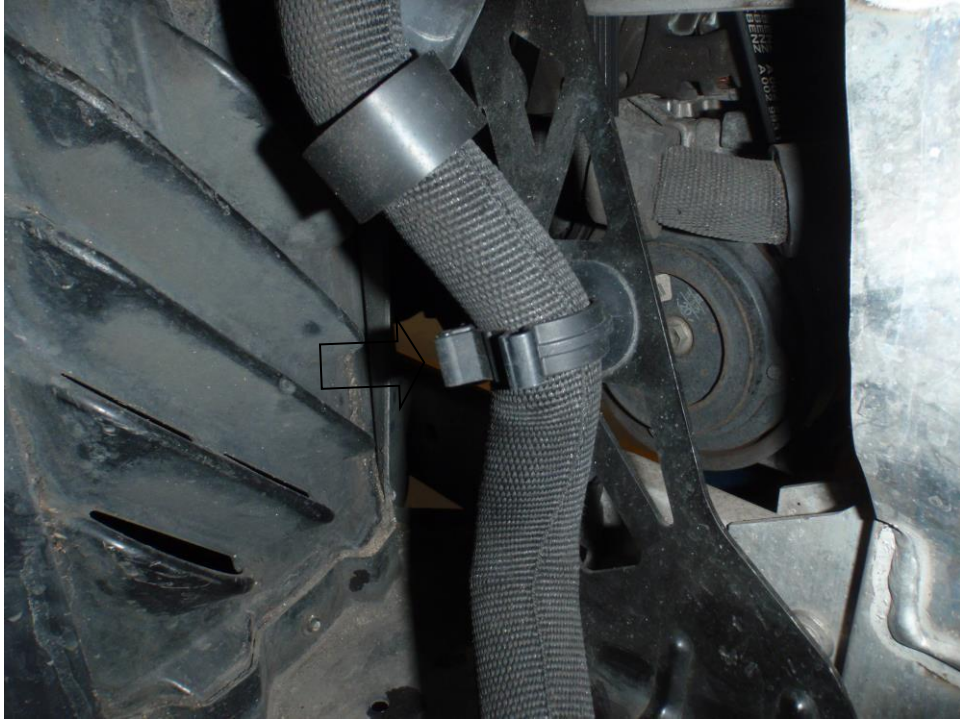


13. Using a flat blade screwdriver release the steel clip on the coolant coupler and drain the coolant from the radiator into a suitable container. Remove the radiator from the vehicle.



14. Undo hose clip and remove it from the metal bracket.

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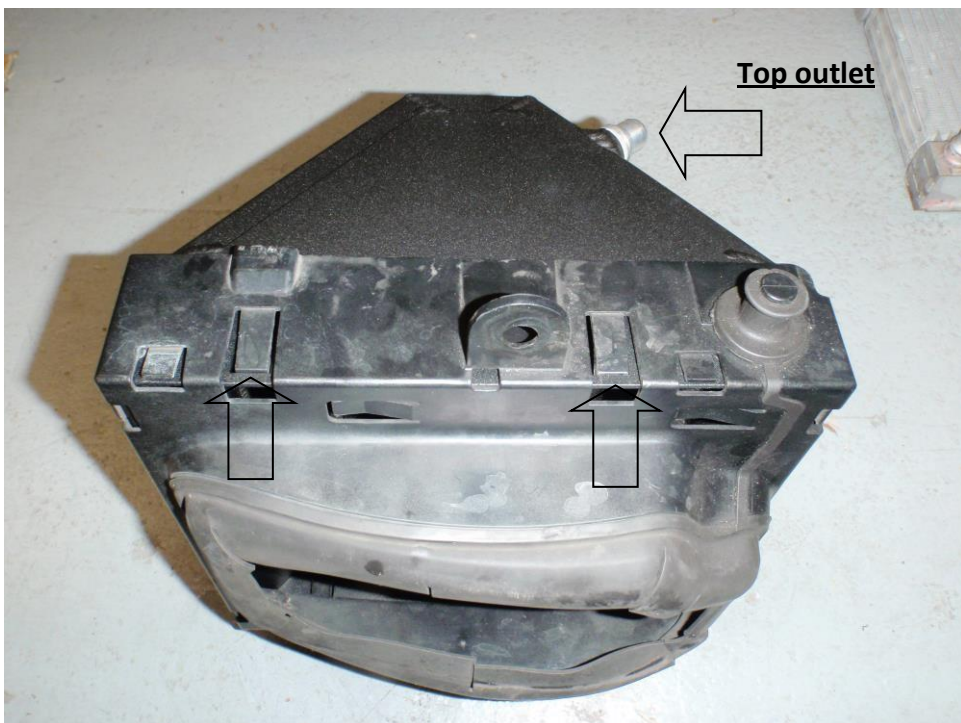
15. Mark the bracket in the position shown and trim off using a Hacksaw blade or similar tool.

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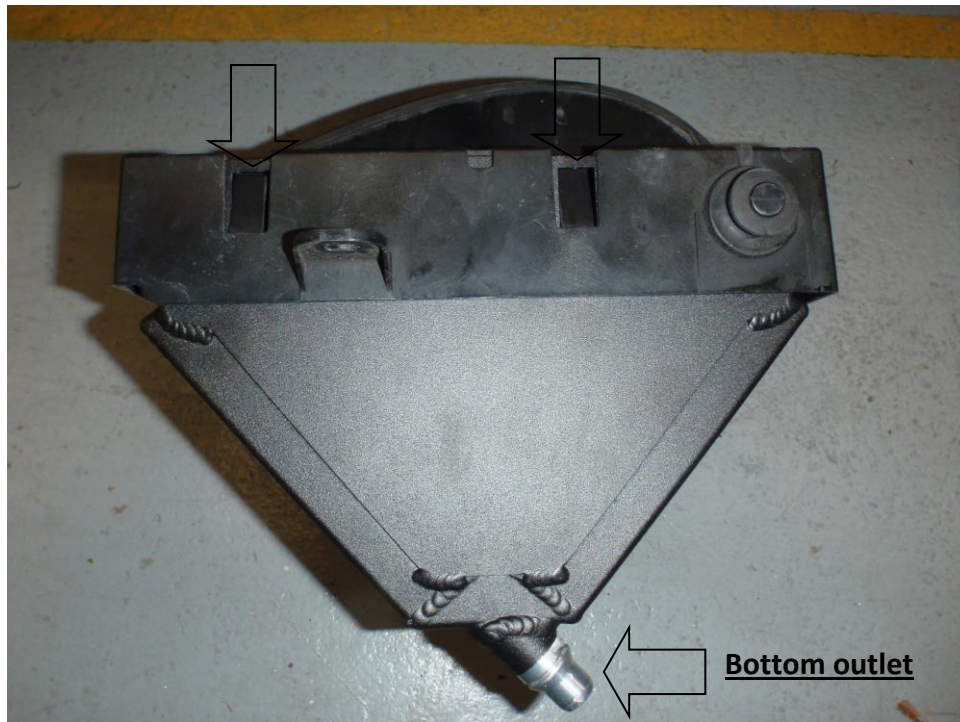
16. Fit the OEM plastic shroud to the Forge V-Mount radiator, ensuring that all the clips engage.

Top view



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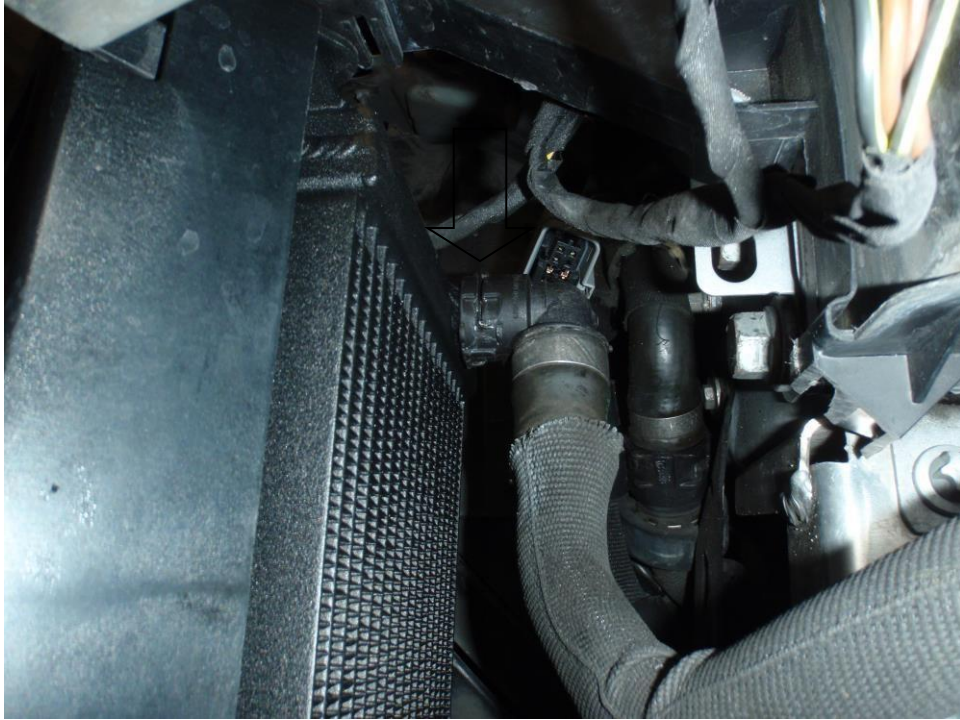
Bottom view



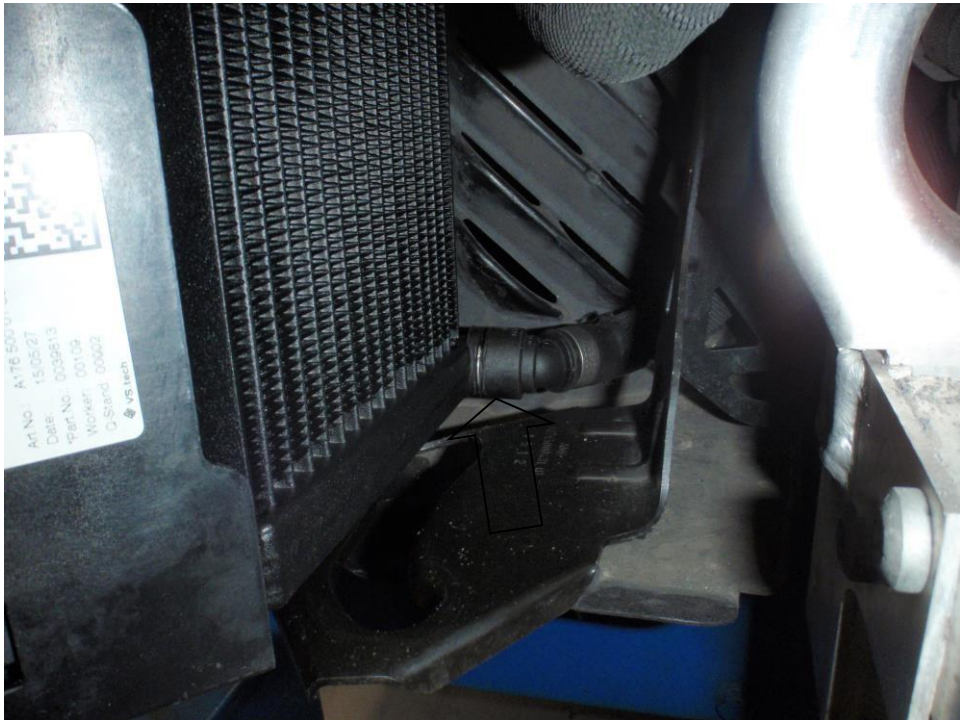
17. Refit the coolant couplers to the radiator before securing the radiator back in position.

Top coupler

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Bottom coupler



18. Secure the radiator shroud in position using the 2x 10mm nuts.

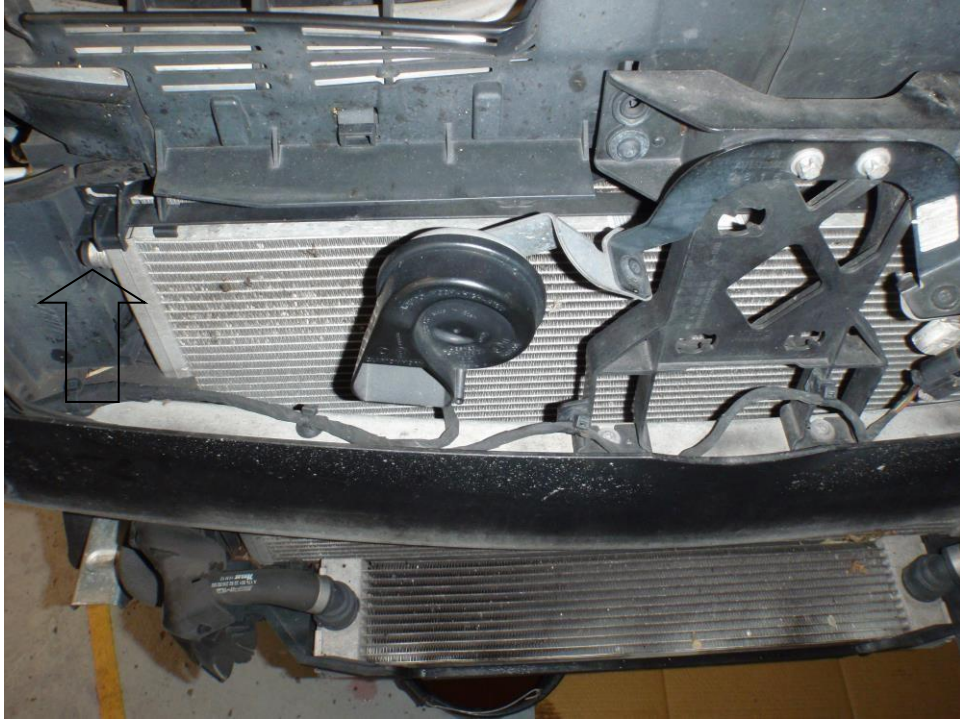
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19. Refill the chargecooler reservoir tank with suitable coolant to the correct level and bleed the centre radiator before refitting the bumper.



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20. Re-assemble your vehicle following steps 3 to 10 in reverse order.
21. After running the engine up to operating temperature, allow the car to cool before checking and topping up the chargecooler coolant reservoir if required.
22. Your installation is now complete.

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