



VOLKSWAGEN GOLF MK5 GTI 2.0 TFSI ALLOY RADIATOR

INSTALLATION INSTRUCTIONS



Please thoroughly read through and familiarize yourself with these instructions in their entirety prior to beginning any part of the installation process of any component. Please also ensure the vehicle and engine has cooled down sufficiently to avoid risking possible skin burns or other injury.

Tools Required:

Access to vehicle lift or floor jack and axle stands to support the vehicle

T20, T25, T30 Torx Driver

Posi-drive screwdriver

Flat blade screwdrivers

18mm Socket, Extension bar and Ratchet

Trolley jack and axle stands.

Bucket or suitable container to drain coolant into.

Safety eyewear, footwear, gloves and protective clothing are also recommended.

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1. Raise the vehicle on a ramp or suitable axle stands, to allow access to the underside of the front of the car.
2. Remove the 2x T20 Torx screws from the top of the front grill.

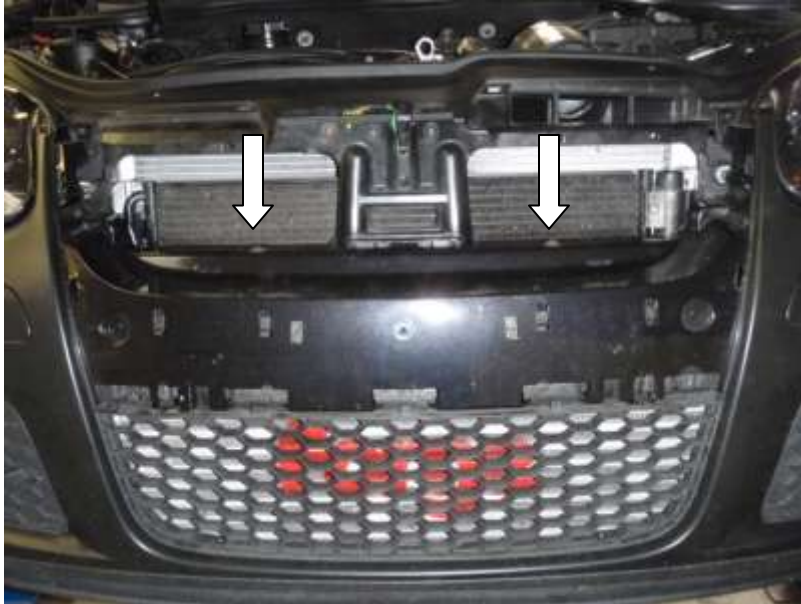


3. Remove the 2x T20 Torx screw hidden below the number plate surround. Pull the grill upward to release it from the car.

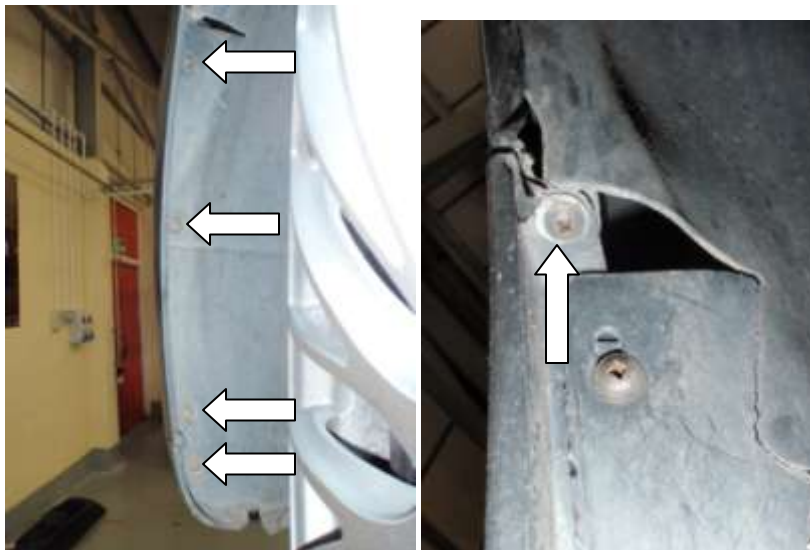


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4. Remove 2x T30 Torx screws on the top edge of the bumper cover.

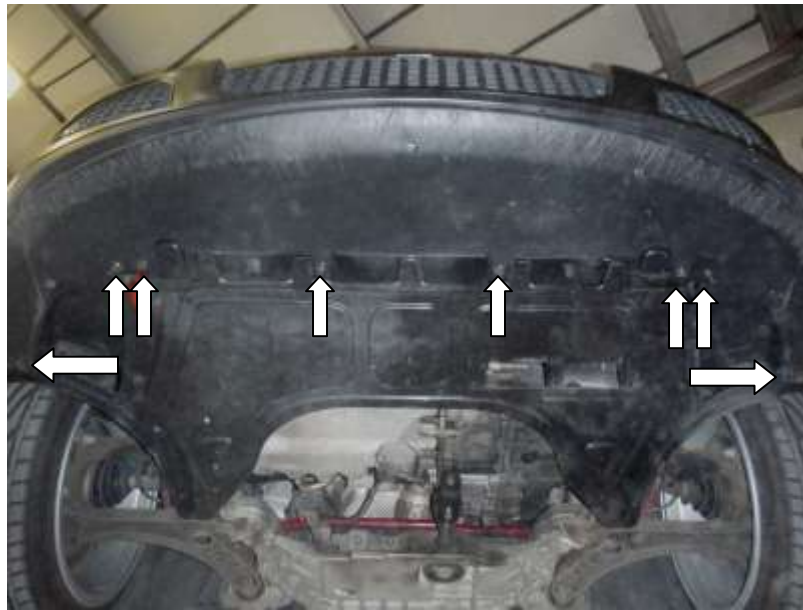


5. Remove 5x T20 Torx screws from the front section of the arch liner on both sides.



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6. Remove 8x T20 Torx screws from the under tray. Completely remove under tray from the vehicle.



7. Pull forward on each side of the bumper to release it from its mounts underneath both lights. Carefully pull the bumper away from the car.

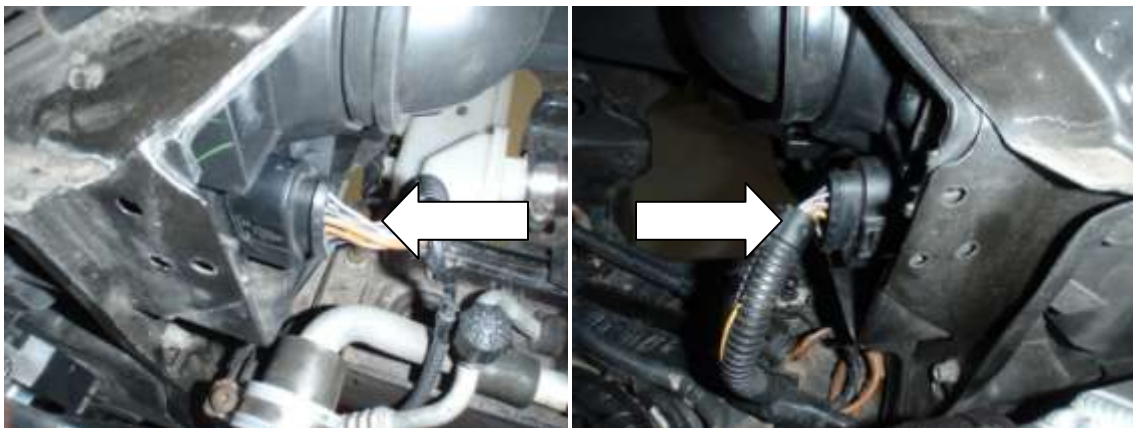


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8. This next part requires two people, the first to hold the bumper while the second disconnects the wiring running to both fog lamps.



9. If your car is equipped with head light washer nozzles unhook the water hose on the right-hand by removing the C-clip.
10. Place the bumper in a safe place, away from the car to prevent damage while working on the rest of the car.
11. Disconnect the wiring to both head lights. Release the connector using a small screwdriver or something similar.



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12. Unscrew 2x T20 on the headlight support. Remove the support from the vehicle. The supports are handed so may need to be marked to help with reassembly.

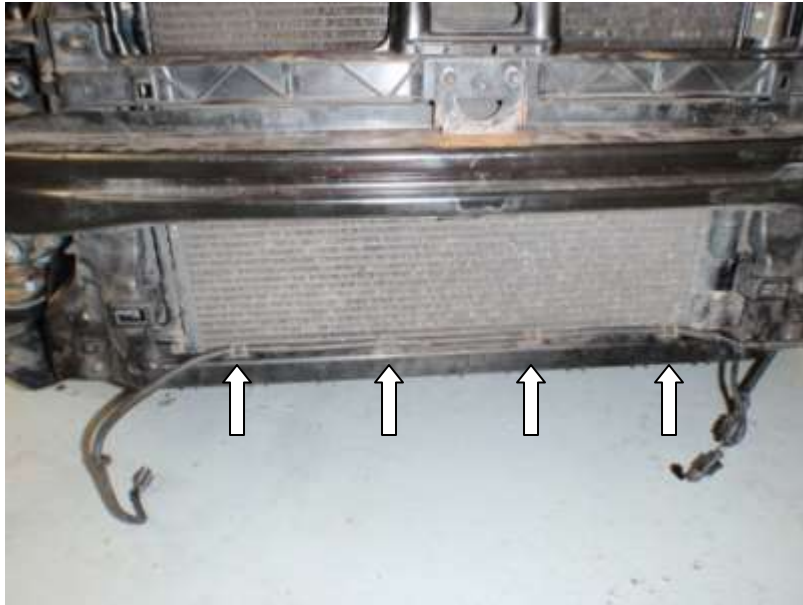


13. To release the headlight unit, undo 3x T25 Torx screws. Place in a safe place, away from the car to prevent damage while working on the rest of the car.

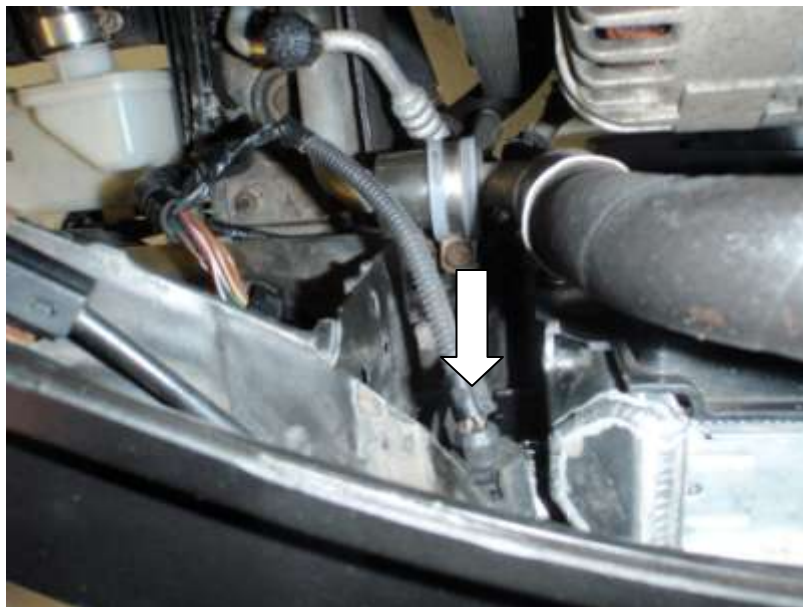


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14. Un-clip the fog light wiring that runs along the bottom edge at the front of the car. Also unclip wiring from right-hand side.



15. Disconnect the sensor located near the radiator in the top left-hand corner.



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16. Disconnect the bonnet pull cable. The junction box is above the left-hand headlight. Open the junction box and disconnect the cable.



17. To remove the radiator you will need to drain the coolant. Loosen or remove the header tank cap. Using a hose clamp puller or large pliers disconnect this coolant hose located underneath the engine, in front of the sump. Drain as much coolant as possible from the coolant system.



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18. Using a flat blade screwdriver remove the sprung clip from the two couplers at each end of the intercooler. Both inlet and outlet tubes can be removed from the intercooler.

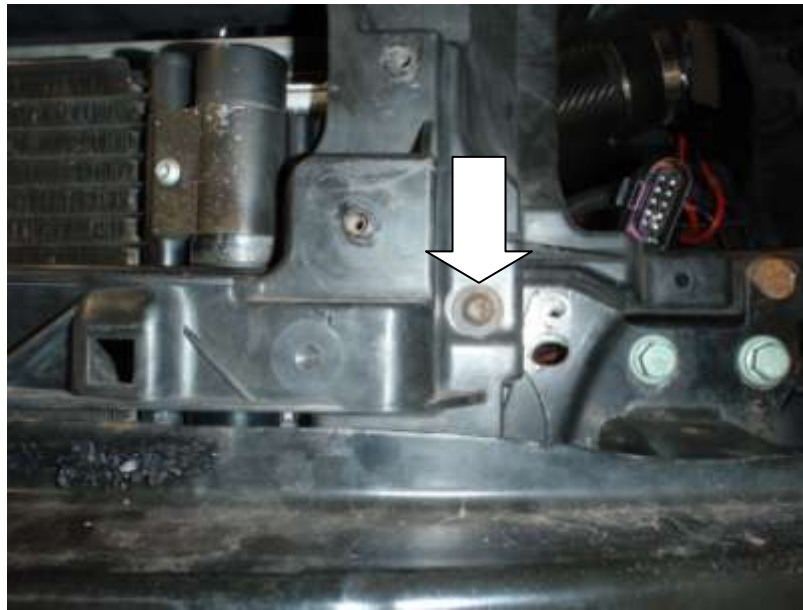


19. Disconnect the connector on the back of the fan shroud.

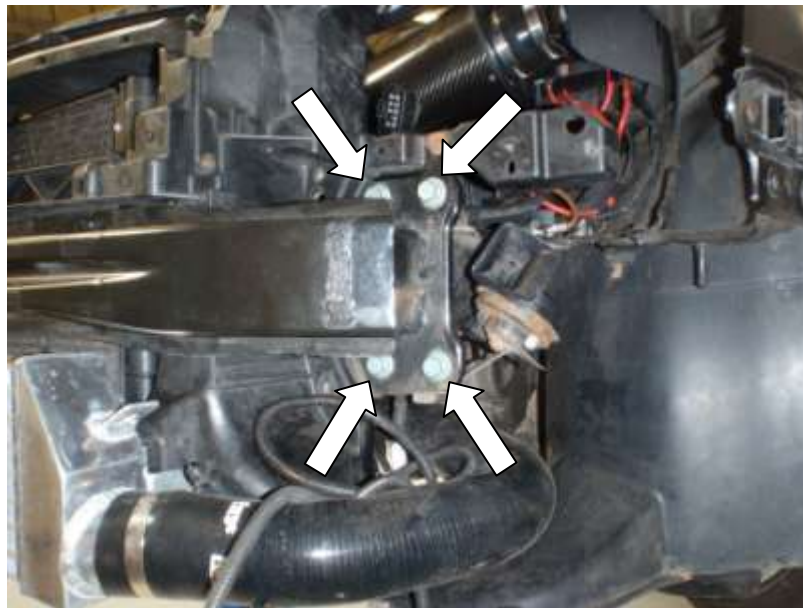


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20. Remove T30 Torx screws on each side of the radiator, to allow radiator/intercooler pack to release from front clip.



21. Using a 16mm socket remove the 4 bolts located at each end of the crash bar.

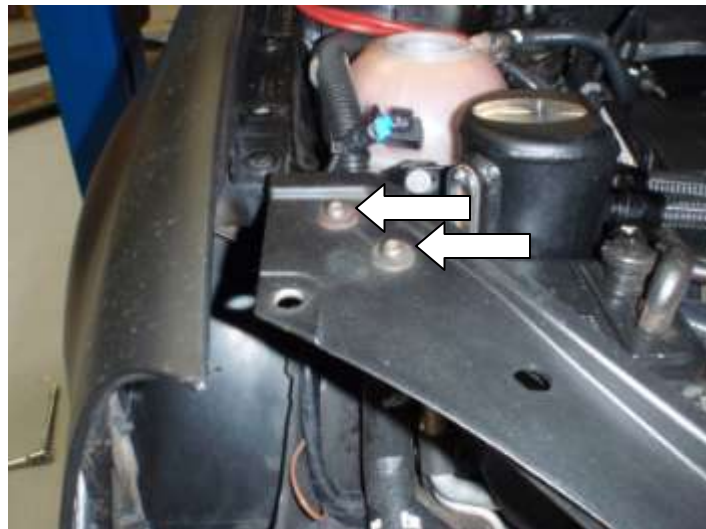


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22. Place a trolley jack or suitable support underneath the front clip. This will support the weight of the front end. ****Use the jack for support only****



23. While the weight is supported from underneath with the trolley jack, remove the final fixing 2x T30 located on the top of both wings.



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24. This part requires two people as it involves lifting and separating the radiator/intercooler from the front clip. Pull the front clip forward, so it clears the front wings. Lower the trolley jack. Tip the front clip forwards, to release the radiator pack from the top mounts. Then lift the radiator pack upwards to release it from bottom locating pins.
25. Place the radiator pack back on the trolley jack to support the weight to prevent any damage to the A/C radiator and any hoses running to the radiator/ intercooler /Air conditioning pack.



26. On the standard intercooler remove the standard rubber mount from each end. These are re-used to mount your new Forge Intercooler.

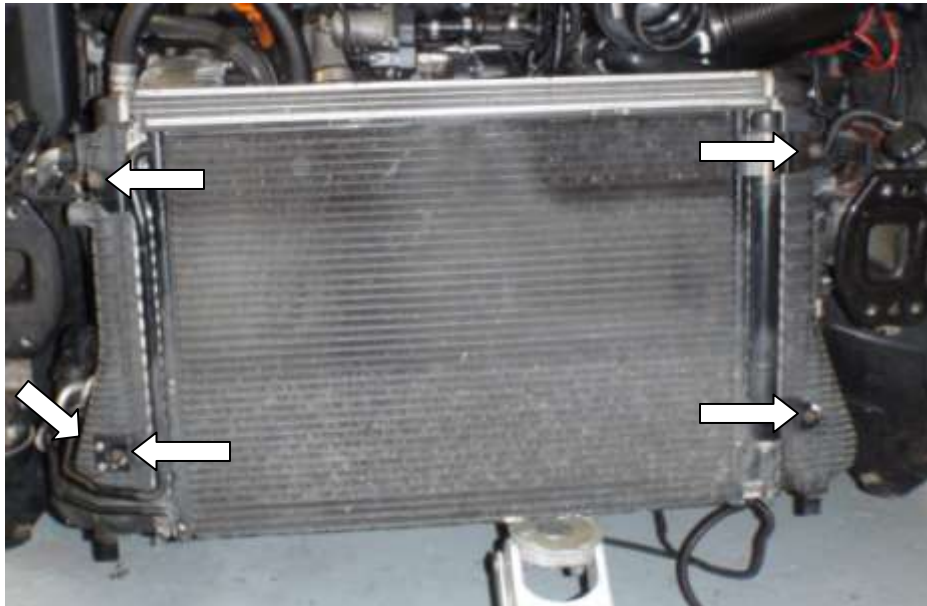


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27. To remove the radiator it is necessary to remove the intercooler, radiator and fan shroud as one unit. This allows easy removal of the fan shroud.
28. Disconnect the two coolant hoses running to the standard radiator. Use a flat blade screwdriver to remove the sprung clip.



29. To remove the intercooler and radiator from the A/C radiator support the A/C radiator with a jack or axle stand. Remove the 4x T25 Torx connecting the A/C radiator to the intercooler.



30. Unbolt the A/C pipe work support bracket of the left-hand side of the intercooler.
31. Carefully manoeuvre intercooler and radiator clear of the A/C radiator and A/C pipe work.

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32. Unbolt fan shroud from the back of the standard radiator and bolt to your new Forge Alloy Radiator using 4x M6X12mm Allen head bolt and 4x M6 washers.



33. Carefully position your new Forge intercooler or standard intercooler against the radiator and bolt together using 4x M6 X 12mm and 4x M6 washers.
34. Bolt the A/C radiator to the front of the intercooler using the original 4x T25 Torx screws.
35. Follow steps 31 to 2 in reverse order to reassembly the front of your car. Ensure that all coupler both on the radiator and intercooler are firmly pushed into position and the sprung clips are correctly clipped into position.
36. Refill coolant header tank to the correct level, run the vehicle with the header tank cap removed to allow the coolant system to self bleed. Your new Forge Alloy Radiator is fitted with a dash 8 outlet fitting on the top of the right-hand emend tank. This can be loosened to quickly allow air to escape from the radiator (never open when the vehicle is up to temperature). Top up where necessary.
37. Your installation is now complete. Enjoy Your New Performance!

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