



VOLKSWAGEN GOLF MK5 GTI 2.0 TFSI FMIC

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.

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 form 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 form the car.

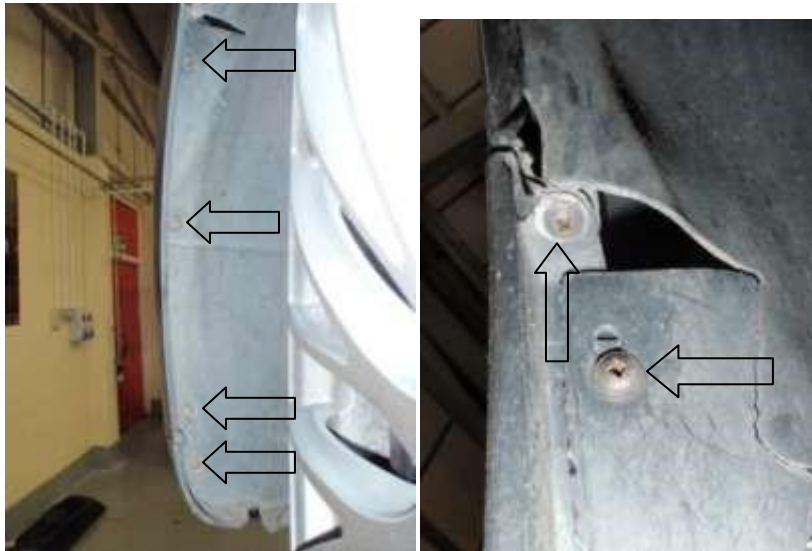


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4. Remove 2x T30 Torx screws on the top edge of the bumper cover.

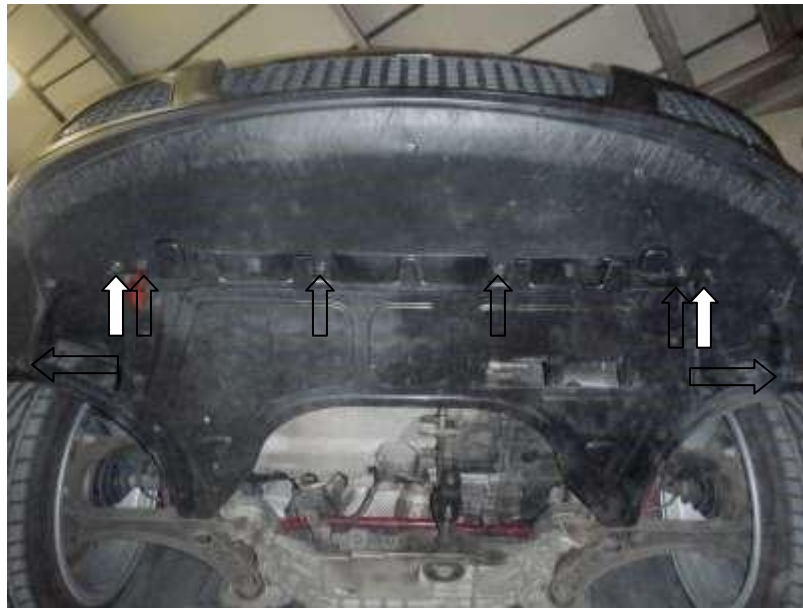


5. Remove 5x T20 Torx/Pozi-Screws from the front section of the arch liner on both sides.



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6. Remove 8x T20 Torx screws from the under tray. Completely remove the 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 headlight support from the vehicle. The headlight supports are handed (Right & Left) so may need to be marked to help with reassembly.



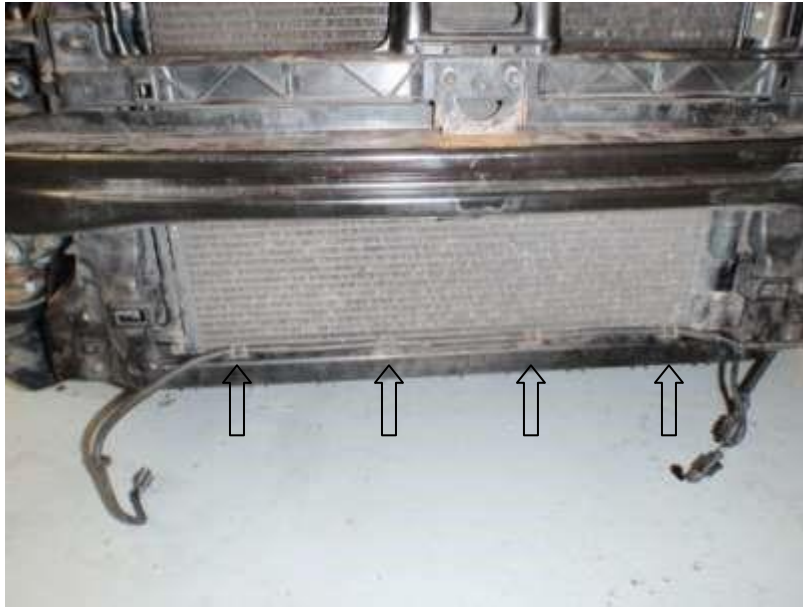
13. To release the headlight unit, undo 3x T25 Torx screws. Place in a safe place, away from the car to prevent damage while working on the rest of the car.

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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. **Ensure this is reattached correctly when reassembling the vehicle otherwise you will be unable to reopen the bonnet.**



17. Remove 2x T30 Torx screws, to allow A/C radiator/Radiator/Intercooler pack to release from front clip.



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



19. Place a trolley jack or suitable support underneath the front clip. This will support the weight of the front end while the final fixings are removed.



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



21. 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.
22. Place the radiator pack back on the trolley jack to support the weight to prevent any damage to any of the hoses running to the A/C radiator/Intercooler/Radiator pack.



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23. 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.



24. On the standard intercooler remove the standard rubber mount from each end. These are reused to mount your new Forge Intercooler.



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25. To remove the intercooler from the A/C radiator and radiator you will need to support both of them separately. Remove the 4x T25 Torx connecting the A/C radiator to the intercooler.



26. Unbolt the A/C pipe work support bracket off the left-hand side of the intercooler.

27. Unscrew the 4x T25 Torx screws on the back of the intercooler connecting the intercooler to the radiator. The Intercooler can now be carefully removed from the radiator and A/C radiator.



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28. Carefully position your new Forge intercooler against the radiator and bolt together using 4x M6 X 12mm and 4x M6 washers supplied.



29. Bolt the A/C radiator to the front of the intercooler with the 4x M6 x 12 mm bolts provided.
30. Follow steps 24 to 2 in reverse order to reassemble the front of your car. If you already have a Forge Twintercooler you can reuse your existing Forge silicon hoses. Remove the machined coupler used to fit the standard intercooler and joining the hose directly to the intercooler using the jubilee clips provided.
31. If you do not have a Twintercooler fitted use the Forge silicon hose kit and hose clips provided, to link the standard pipe work to your new intercooler.



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32. Ensure the bonnet pull cable is correctly reassembled and securely clipped to the front clip. **IF THIS NOT CONNECTED CORRECTLY THE BONNET CANNOT BE OPENED!**



33. Your installation should now be complete. Enjoy Your New Performance!