



FRONT MOUNT INTERCOOLER KIT

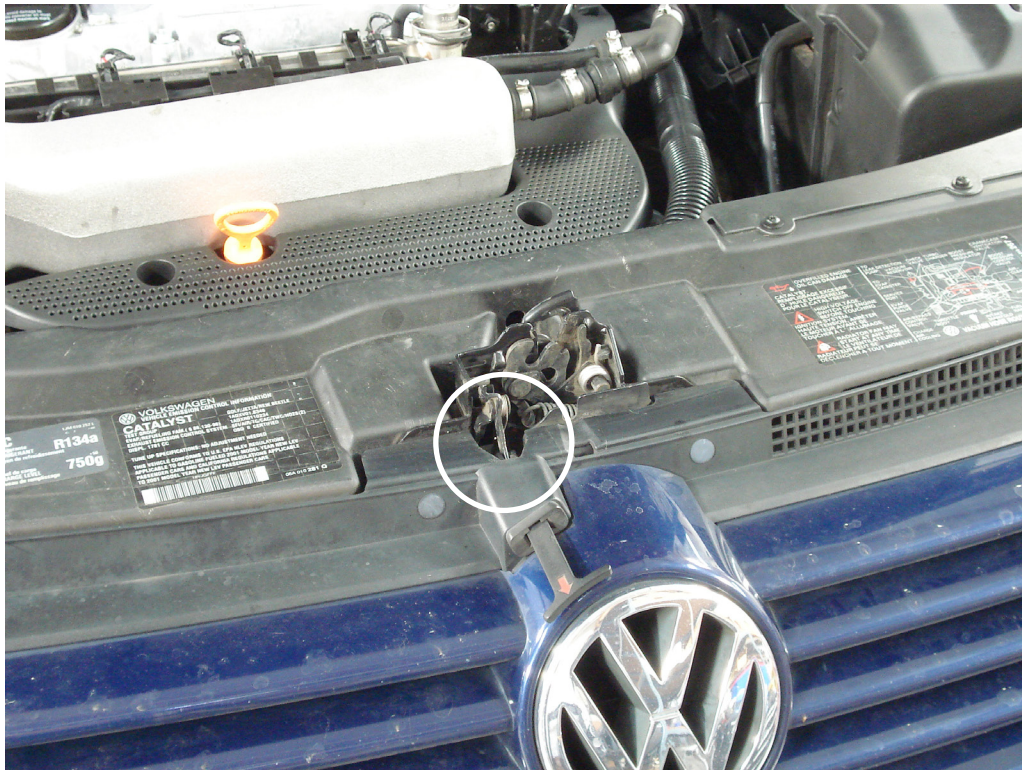
VW Mk4 Golf/Jetta 1.8T

Part#15030

INSTALLATION INSTRUCTIONS



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Step 1. Remove factory grill by prying up metal retaining clip of hood release lever. Using a screw driver spread the plastic release lever open to disconnect from hood latch pin. Release grill attachment clip located in square hole on top of grill by pushing down plastic catch with screw driver. Disconnect upper corners of grill by pulling forward. Tilt grill forward and pull up to release grill.



Step 2. Locate the five Torx T30 screws and remove from bumper.



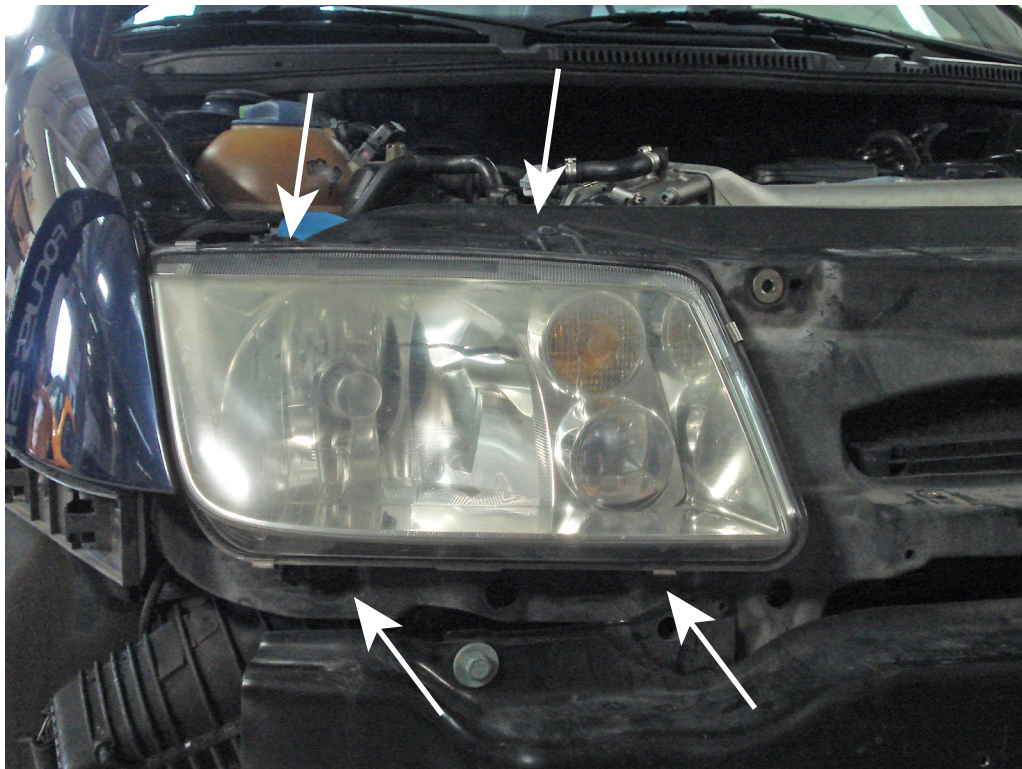
Step 3. Remove both grill inserts by pressing down on the release tabs (two on each side). Remove Torx T30 screws from each side.



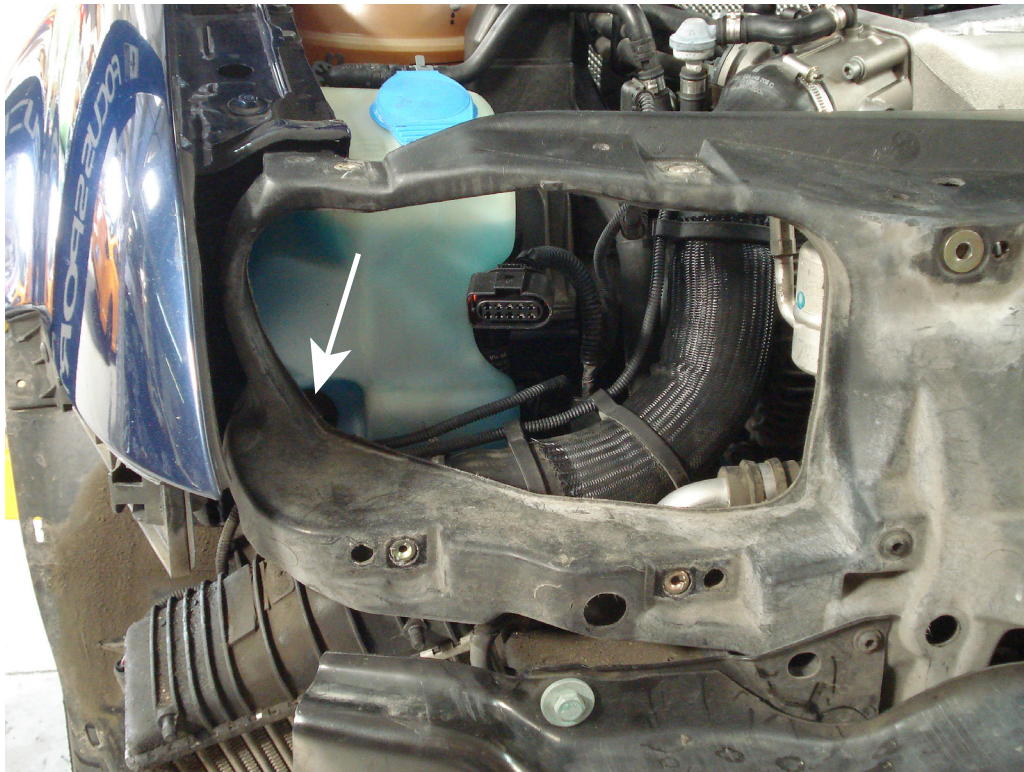
Step 4. Locate and remove the four Torx T25 screws from the fender well liner on both sides.



Step 5. Remove bumper cover 1/2 way, then use caution to disconnect side indicator wires attached to bumper cover. Then remove styrofoam bumper.



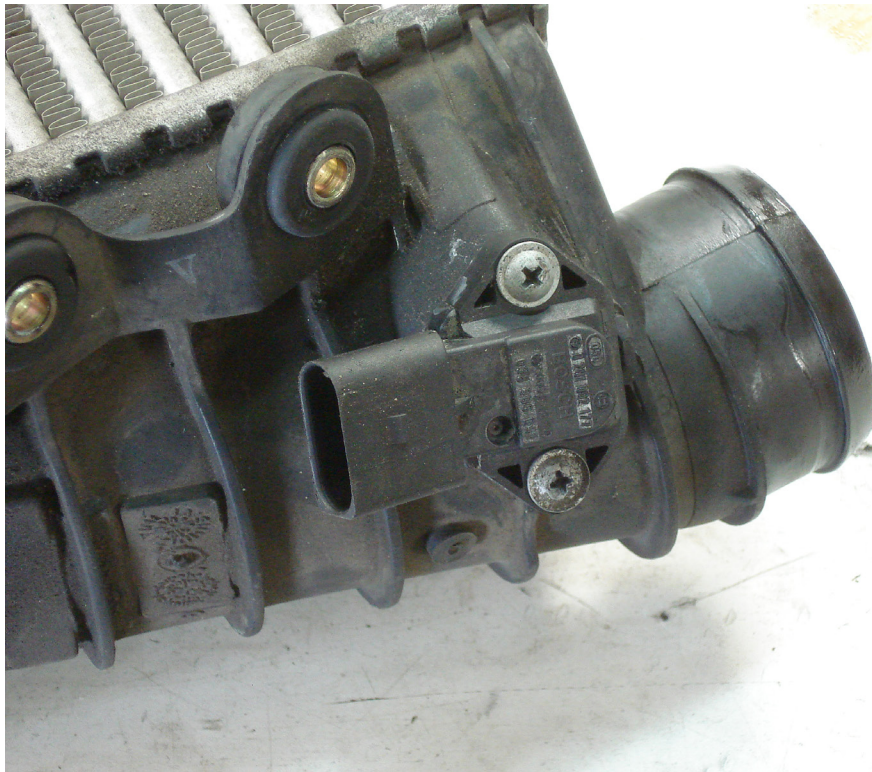
Step 6. Remove four screws securing passenger side headlight. Then remove electrical connector attached to backside to allow removal of headlight.



Step 7. Remove factory intercooler. First remove plastic air ducting from intercooler. Disconnect MAF sensor wire harness from sensor at top of intercooler end-tank. Remove two 10mm hex bolts at top of intercooler and one 10mm hex bolt at bottom of intercooler.



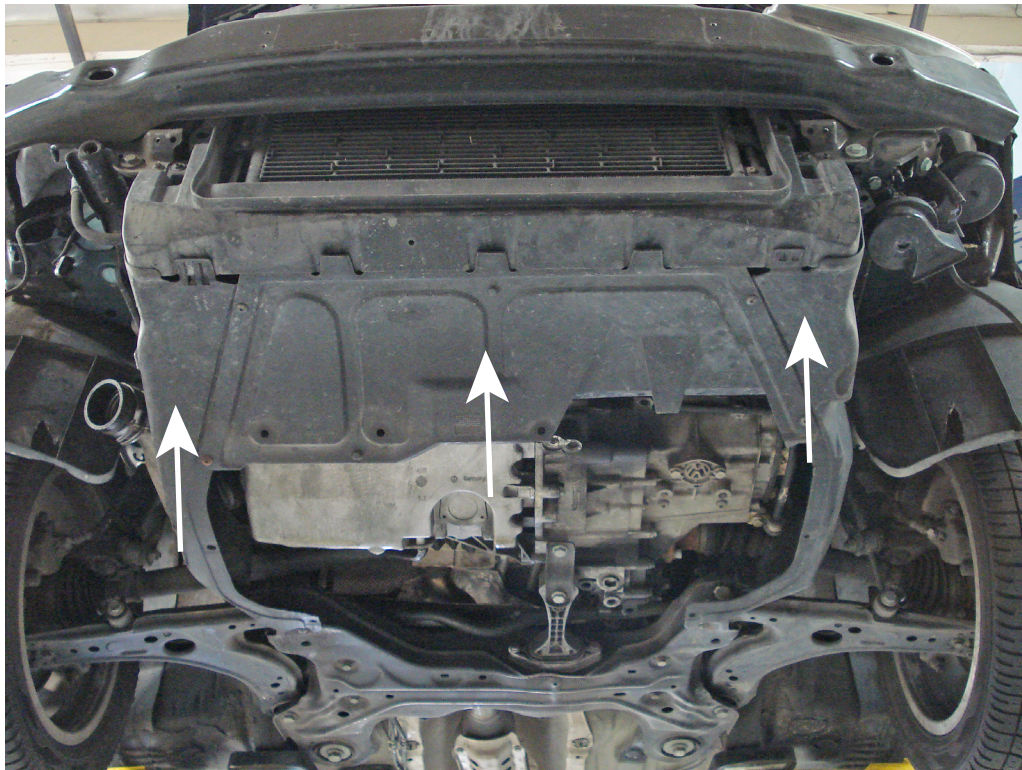
Step 8. Carefully, remove factory intercooler.



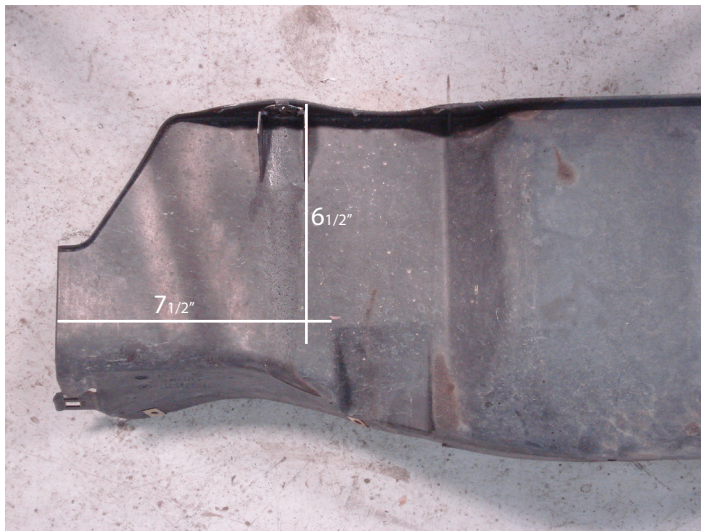
Step 9. Remove the factory MAP sensor from stock intercooler (two phillips screws).



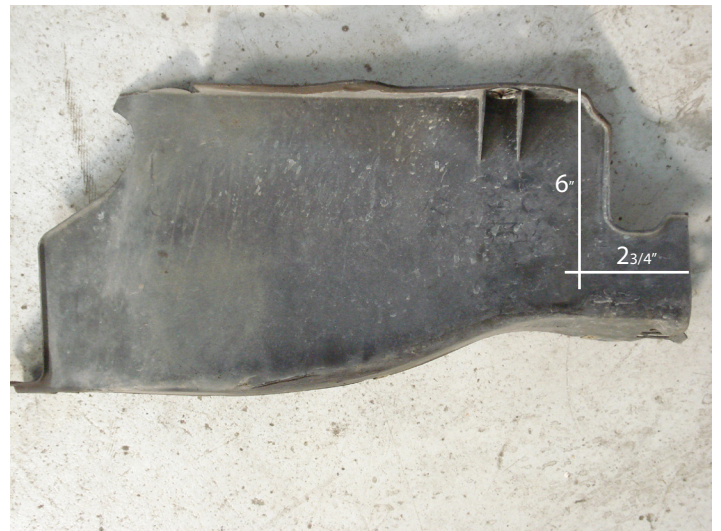
Step 10. Re-Install the factory MAP sensor onto the Euro Sport intercooler tube using supplied hardware (two bolts and washers) and gasket.



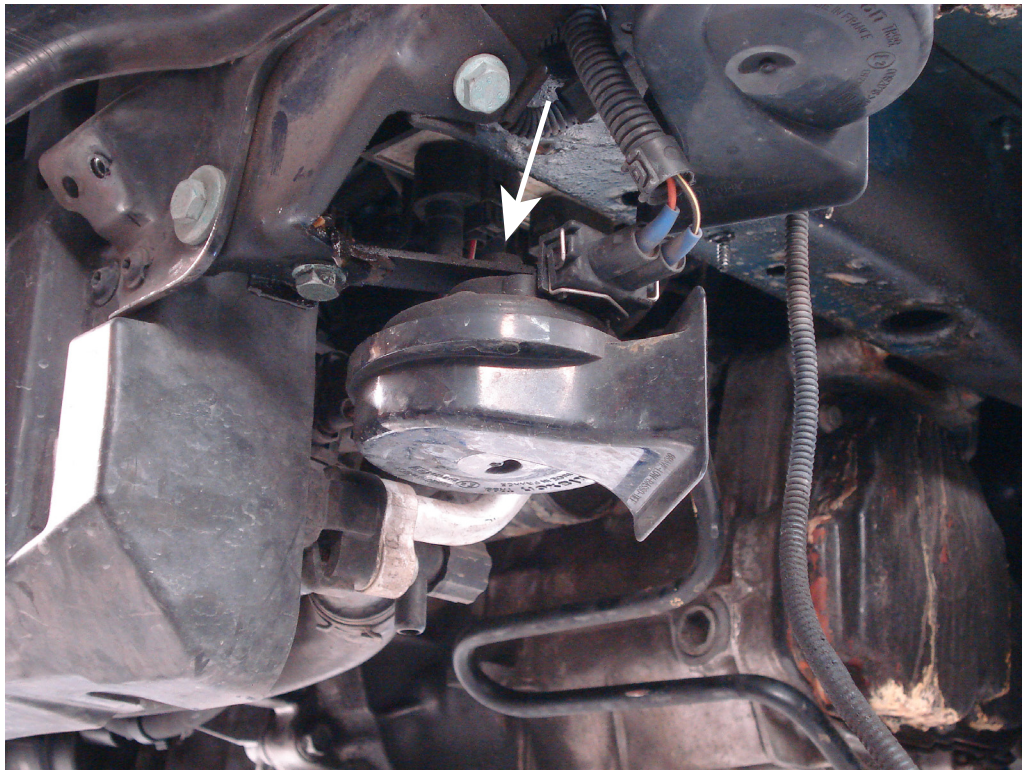
Step 11. Remove all three engine covers by removing all Torx T25 screws and metal retaining clips. Note: Use flat head screw driver to rotate metal retaining clip and remove.



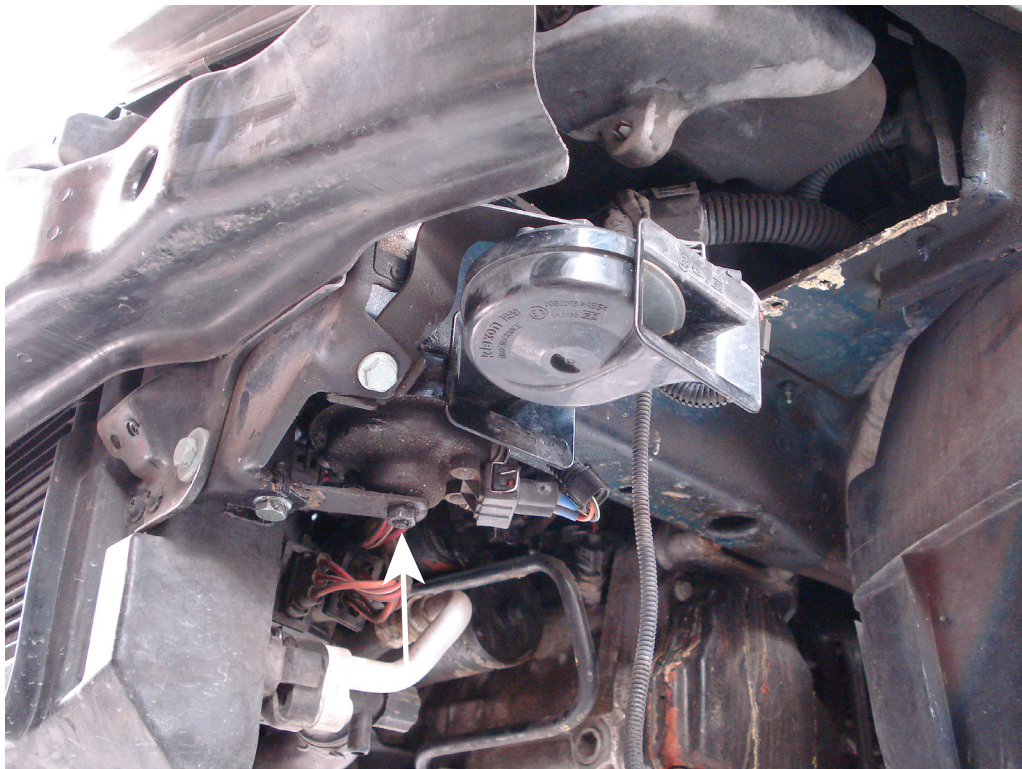
Step 12. Mark center hole using diagram on driver side engine cover. Use 2 1/2" hole saw and drill to cut opening for intercooler tubing. Alternatively, you could use a drill bit to start a hole and then use a hacksaw blade to cut out a circle. Reinstall cover.



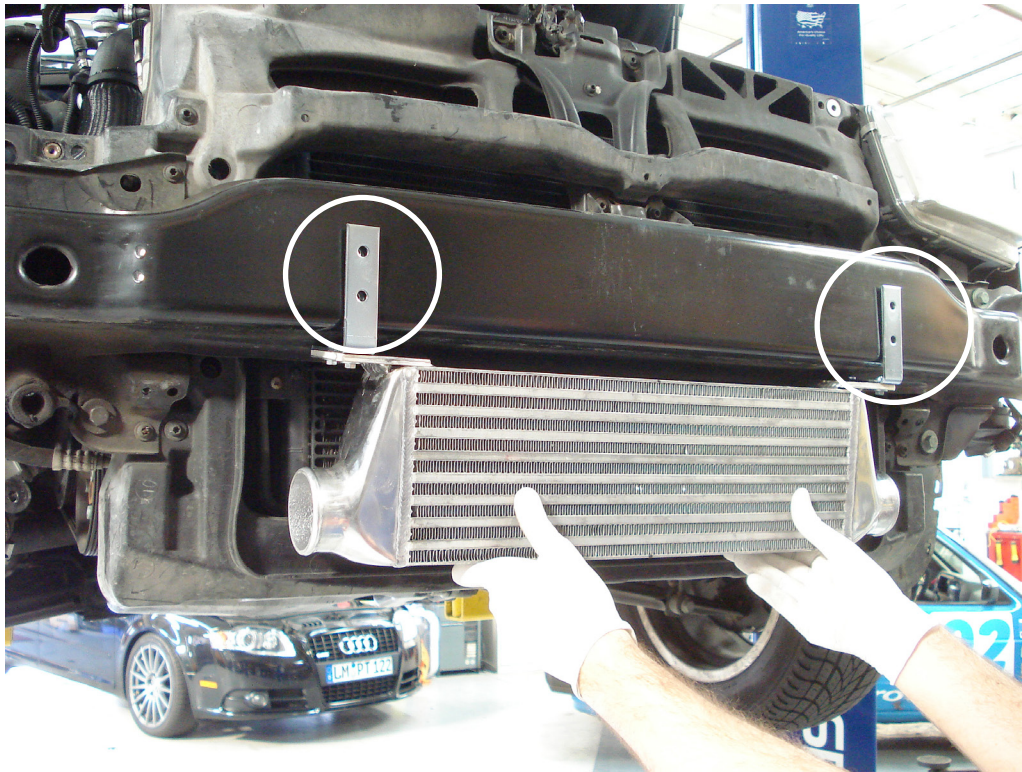
Step 13. Mark center hole using diagram on passenger side engine cover. Use 2 1/2" hole saw and drill to cut opening for intercooler tubing. Alternatively, you could use a drill bit to start a hole and then use a hacksaw blade to cut out a circle. Reinstall cover.



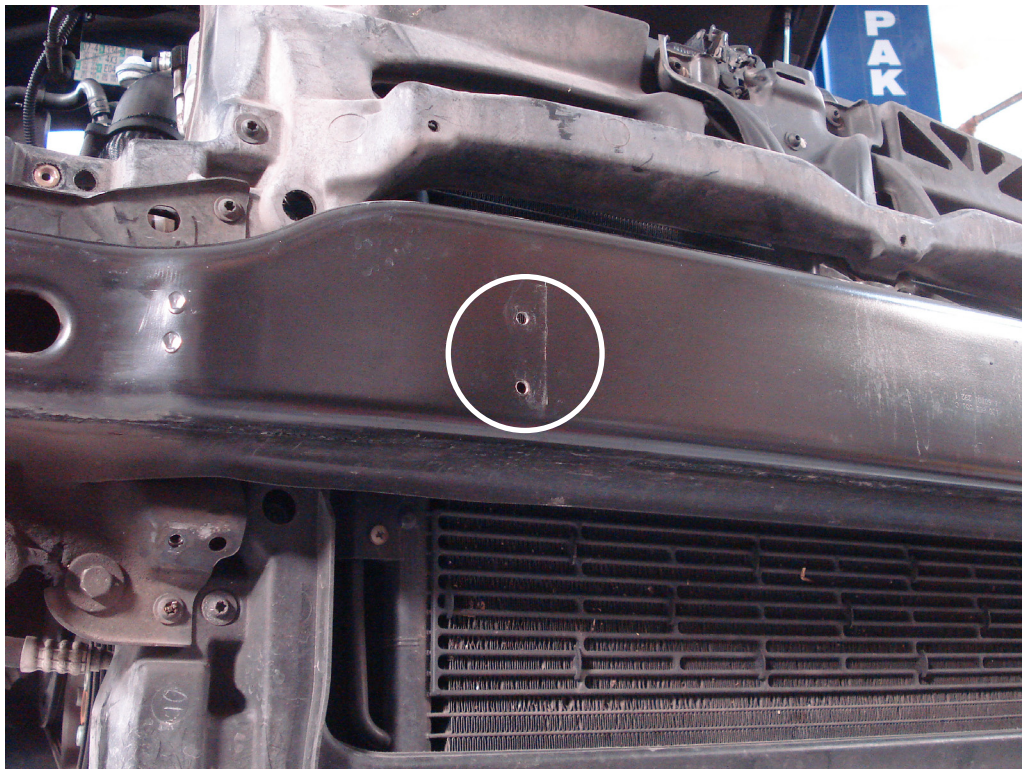
Step 14. Locate stock horn assembly on drivers side. Remove mounting nut on horn bracket and flip upside down.



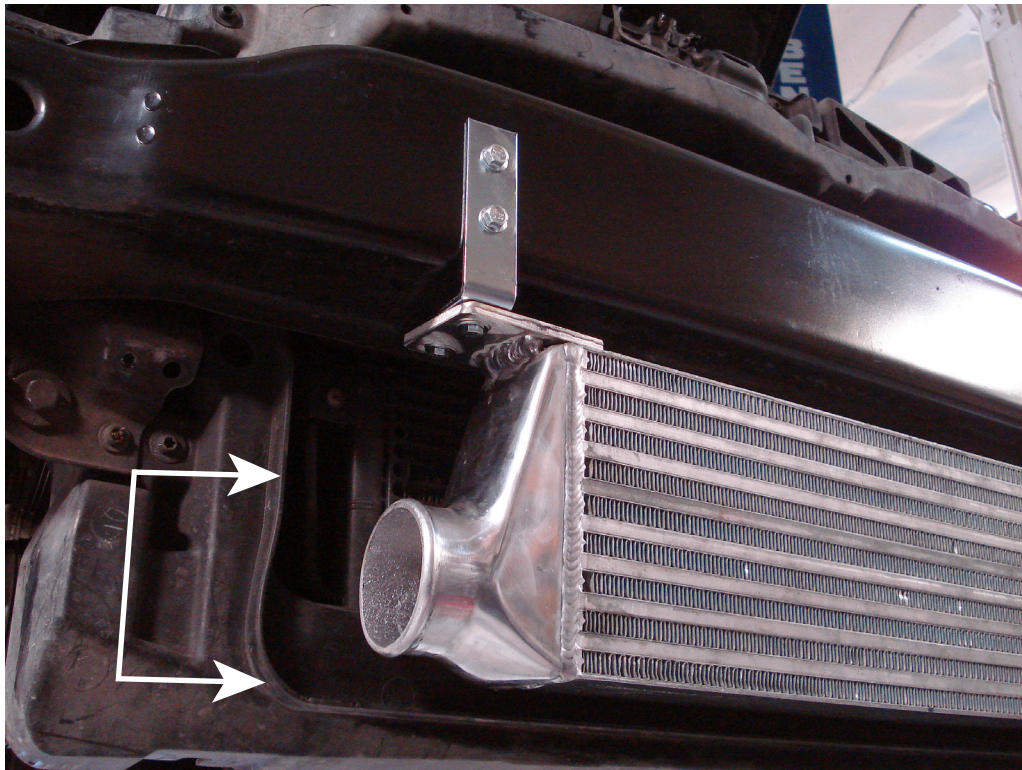
Step 15. Horn properly relocated allowing clearance for intercooler tubing.



Step 16. Attach L-brackets with supplied hardware to intercooler snugly, but do not tighten. Measure the bumper rebar and Euro Sport Intercooler and mark the center point on each. Align intercooler to rebar, mark the four hole locations using center punch.



Step 17. Drill locations in rebar using cutting lubricant with 1/8" pilot drill, then finish with provided 13/64" drill bit. Next, using the supplied 6mm hand tap tool, tap the four holes.



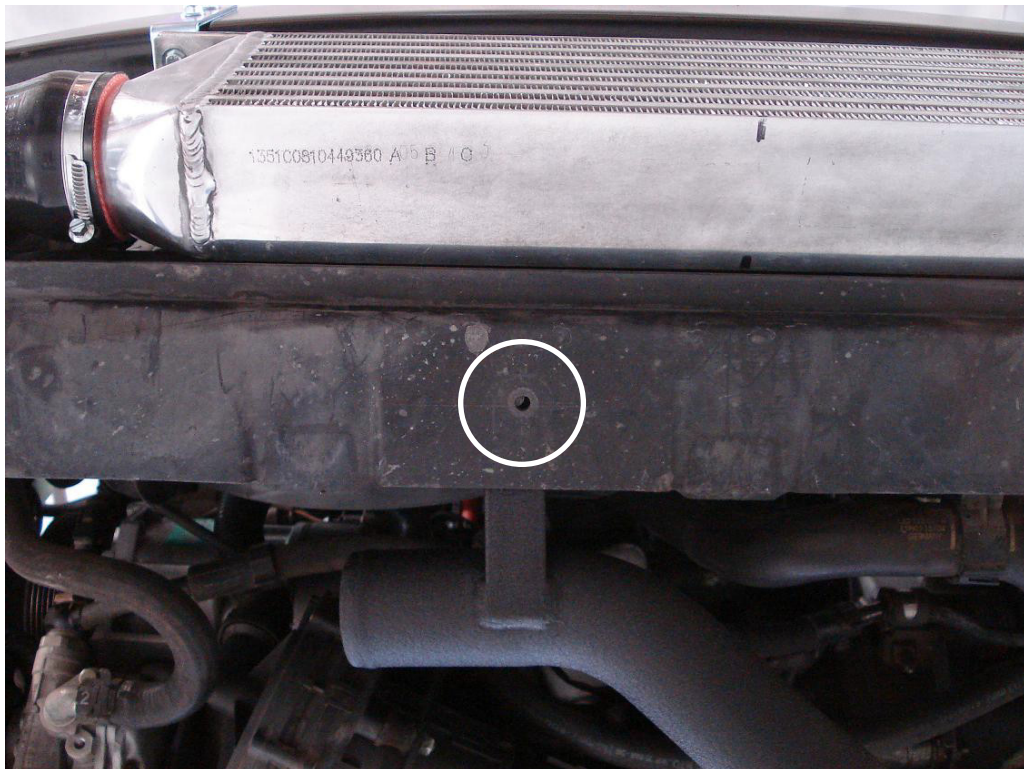
Step 18. Using supplied hardware, mount intercooler. Note: Supplied bracket features oversized holes allowing adjustment. Situate intercooler to be as close to radiator as possible. This will reduce the amount of trimming the bumper cover will require for fitment. Trim plastic edge between area indicated slightly with file or dremel allowing additional clearance for silicone hose and intercooler tubing.



Step 19. Reinstall styrofoam bumper on rebar. Trimming required as shown around L-bracket locations and mounting bolts. Styrofoam bumper must fit flush to rebar support. Saw blade or dremel tool is ideal for this job.



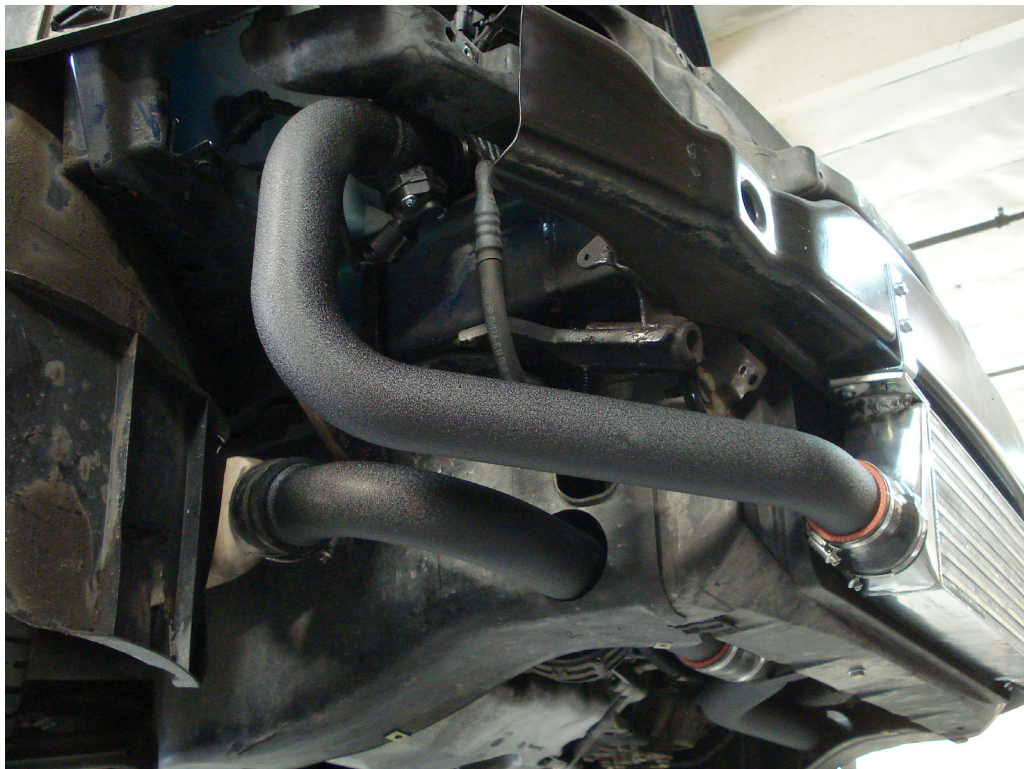
Step 20. Install silicone hose on both sides of intercooler and route drivers side intercooler pipe through drivers side engine cover as shown.



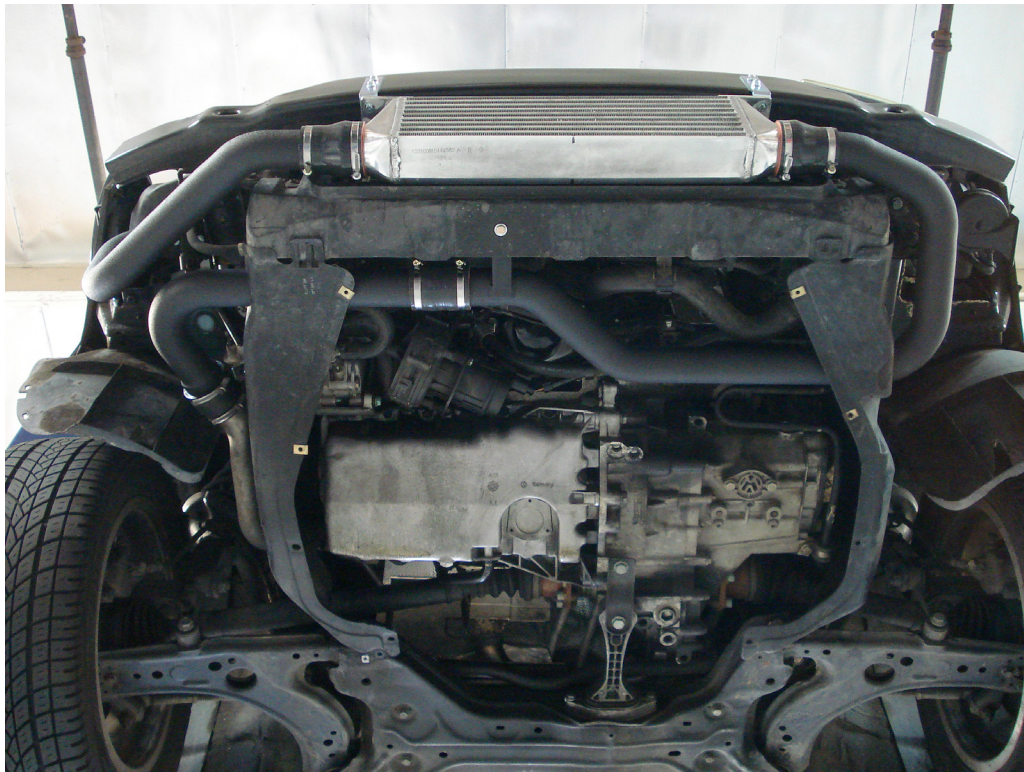
Step 21. Using 1/4" drill bit, drill hole for intercooler pipe mounting bracket as shown (towards center of core support). Mount with supplied hardware in sequence of 1/4" bolt, washer, core support, 1/4" plastic spacer, intercooler tube bracket, washer, 1/4" locknut. **Intercooler tube bracket must be spaced away from core support with supplied spacer.**



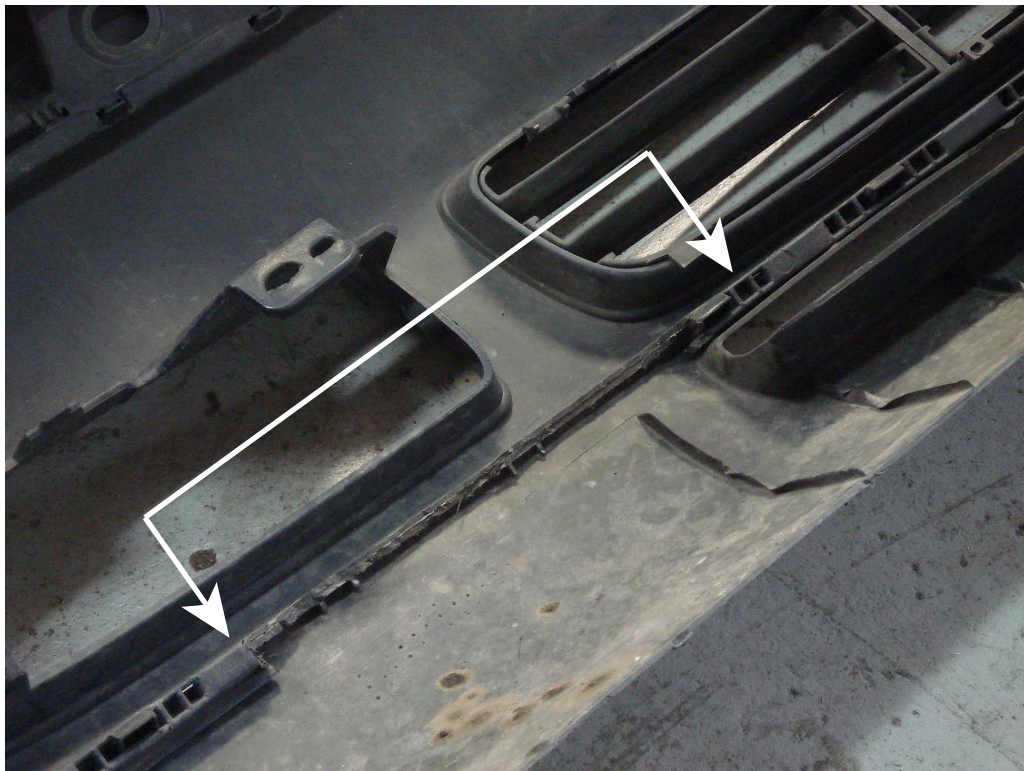
Step 22. Intercooler mounting bracket properly installed with supplied hardware.



Step 23. Route passenger side intercooler tube into OEM pancake tube and through the passenger side engine cover (as shown). Next, install upper intercooler tube with MAP sensor into factory intercooler and throttle body hose (as shown).



Step 24. Intercooler and tubing assembled correctly.



Step 25. Trim backside of bumper cover, trim locking tabs that connect lower valance to bumper cover where interference occurs with intercooler and tubing. Double check clearance and trim bumper as required. Dremel tool with sanding disc or cutoff wheel works best for this task.



Step 26. Grill supports in lower valence must be removed for intercooler clearance (as shown). Golf and Jetta vary slightly, but both require similar trimming. Test fit after trimming to check for proper clearance. An x-acto knife works best for this job.



Step 27. Reinstall bumper cover, while using supplied plastic spacers behind bumper cover mounting tabs. For some vehicles with clearance problems near grill inserts, trim inserts as needed, and use supplied velcro along the edges to reattach.



Step 28. Installation of intercooler complete.