

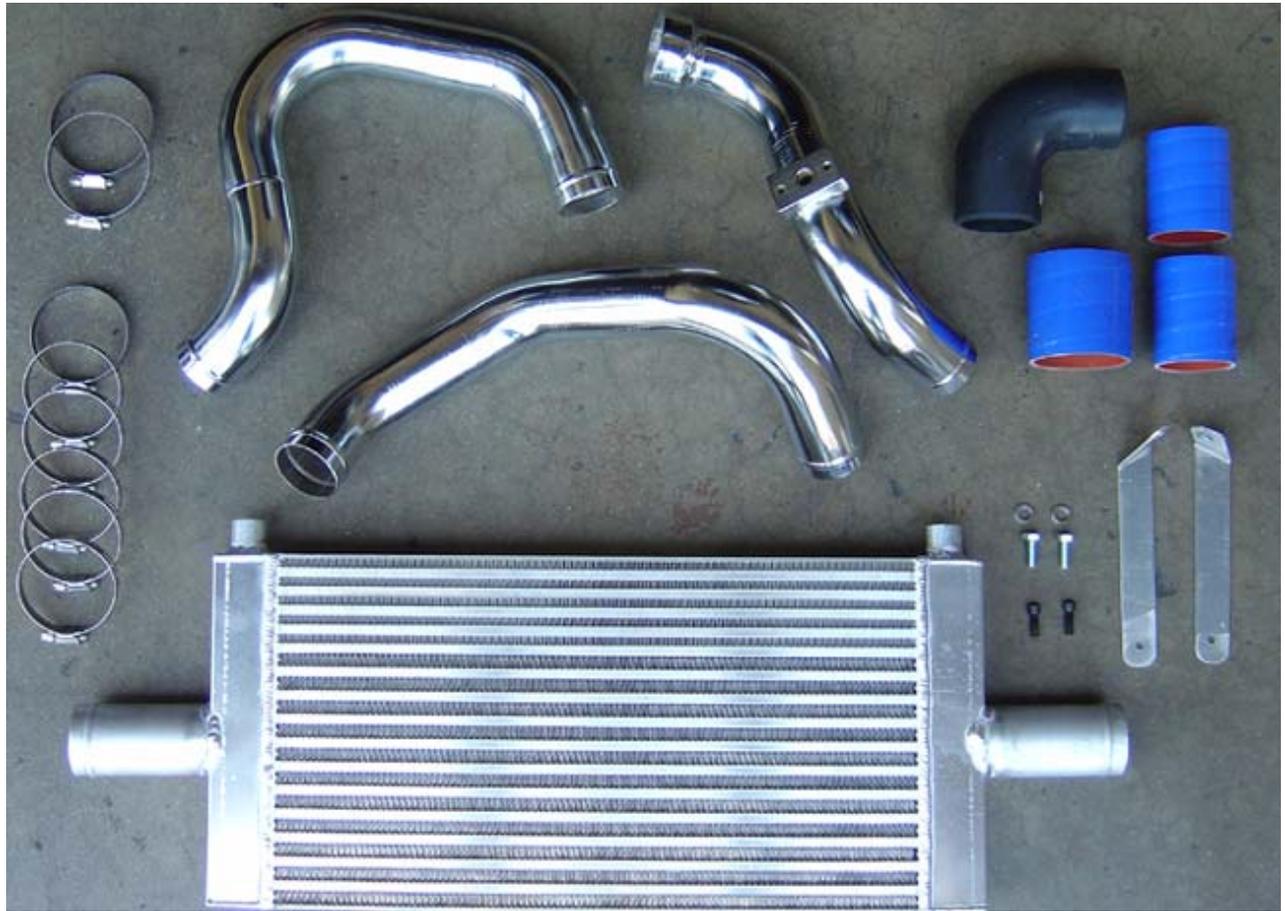


Front Mount Intercooler Installation Guide

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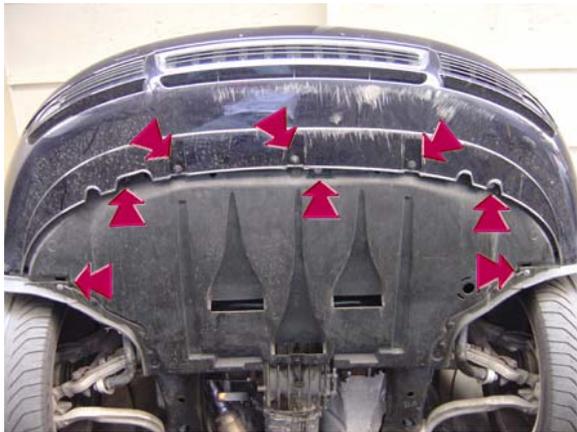
NOT LEGAL FOR SALE OR USE ON POLLUTION CONTROLLED VEHICLES!



Before getting started please take a moment to ensure that all the parts pictured here are included with your EuroCode Tuning FMIC kit.



1. Remove the inner two screws on the inside of the fender liner, on both the left and right side.



2. Remove the lower engine cover pan.

Note: The three rear screws are attached to lower engine cover with a washer. They will loosen and remain attached to cover.



3. Disconnect the turbo outlet hose that is connected to the stock intercooler piping and move it to the side as shown.



4. Loosen the clamp connected to the turbo outlet hose. Rotate it counterclockwise to relieve the tension. Do not disconnect.



5. Disconnect and remove 90° elbow from the drivers side stock intercooler piping.



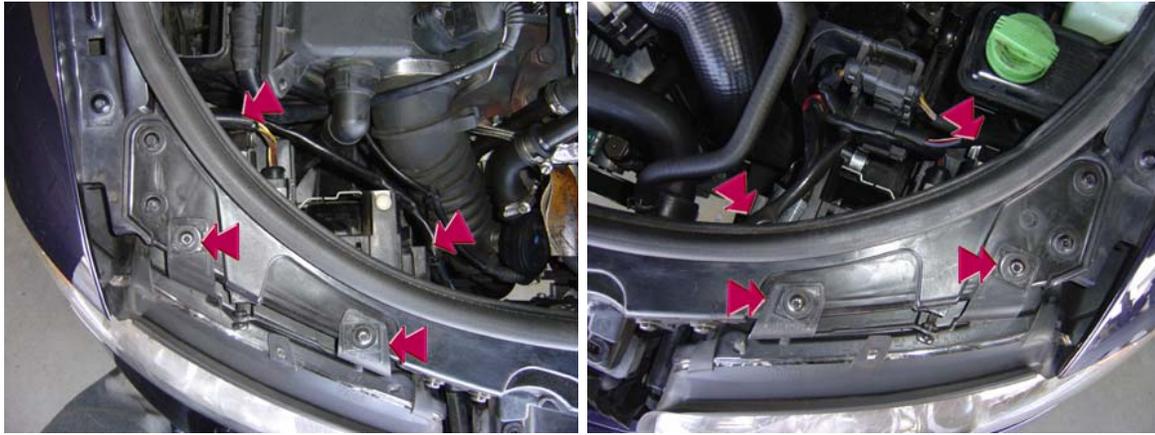
6. Remove the outer most screw on both the drivers and passenger fenders as indicated in the image. Turn the steering wheel to the left/right to assist.



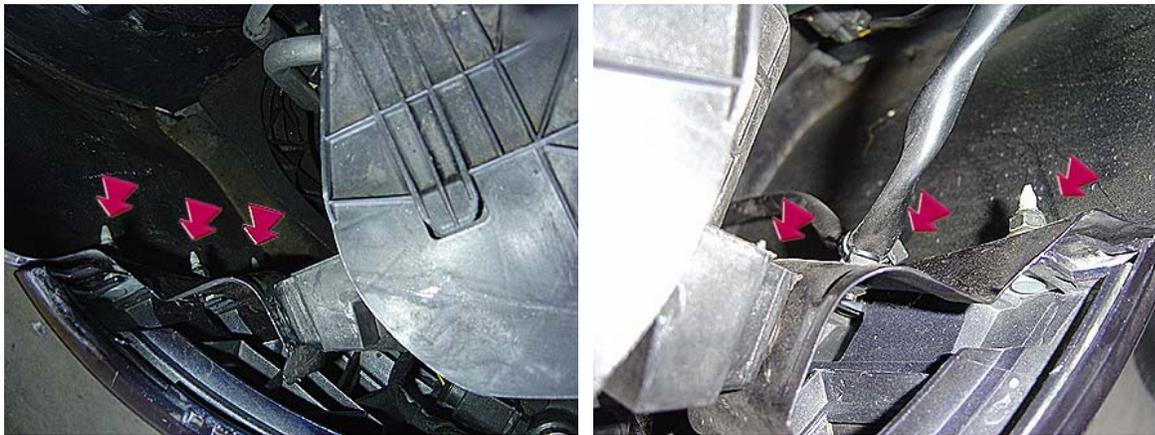
7. Lift the fender liner on both the drivers and passenger side and undo the torx screw underneath.



8. Remove screws for airbox channel & remove the channel.



9. Remove both headlights by removing the torx screws. Disconnect the wiring harnesses.



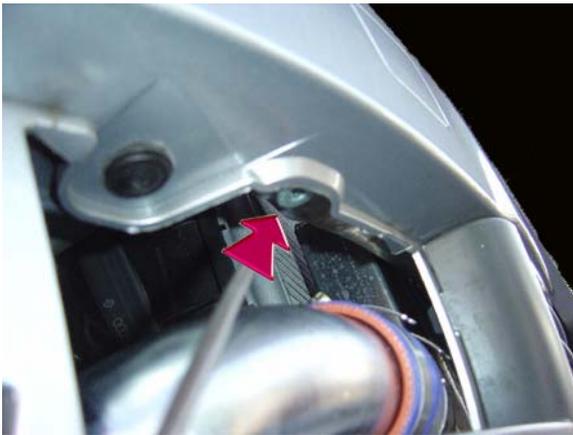
10. Remove the three 10mm nuts on the inside of each fender, underneath the headlights that fasten the bumper.



11. Gently pull outward to separate the lower bumper trim from the fender on both sides.

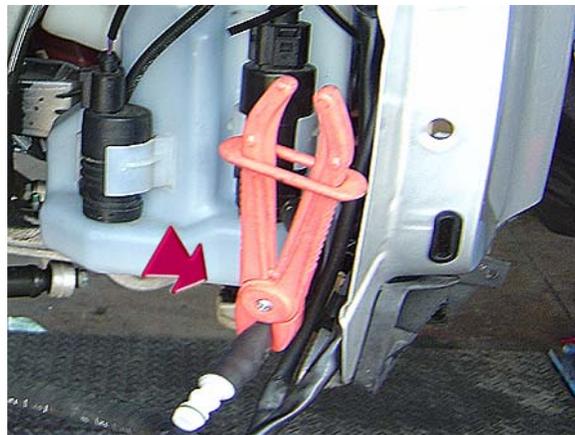
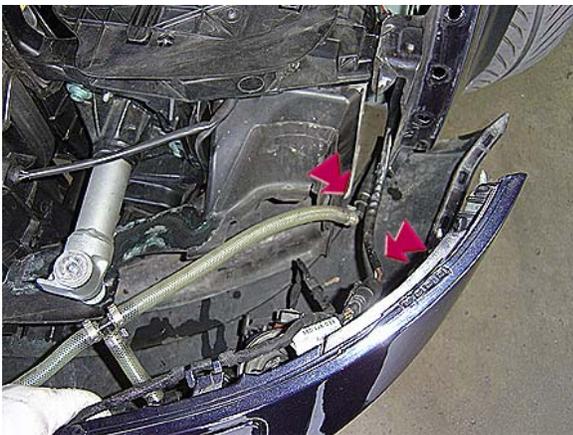


12. Remove the two grill inserts surrounding fog lights.



13. Using an allen wrench, loosen the two main bumper support bolts.

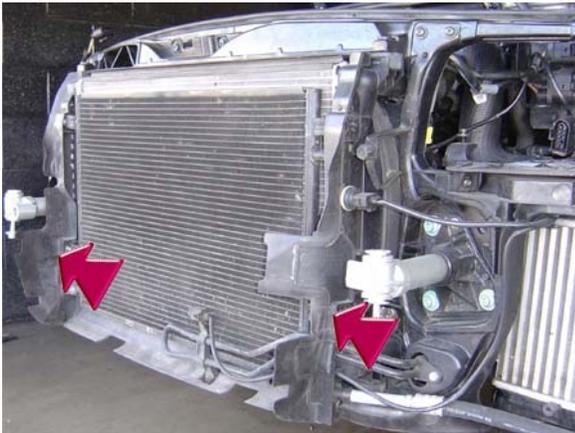
Note: These bolts only need to be loosened enough to allow for the bumper support to slide forward there is no need to remove them completely.



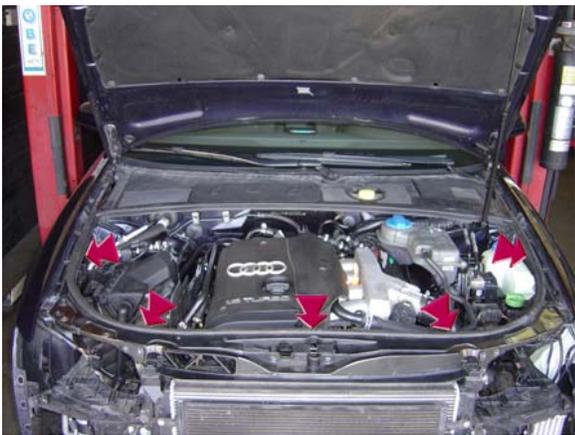
14. Pull the bumper forward and disconnect all wiring harnesses. Drain or plug the headlamp washer line.



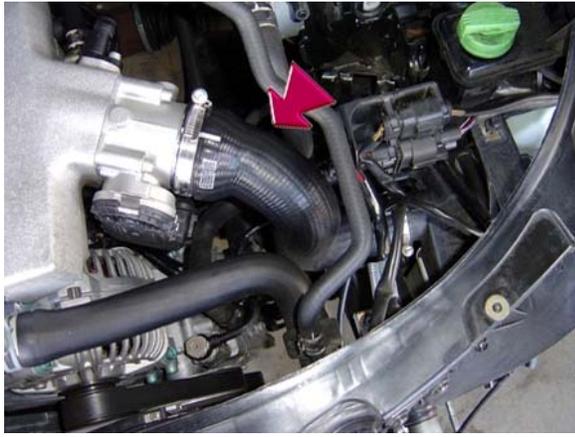
15. Remove the stock intercooler duct.



16. Remove the radiator ducts.



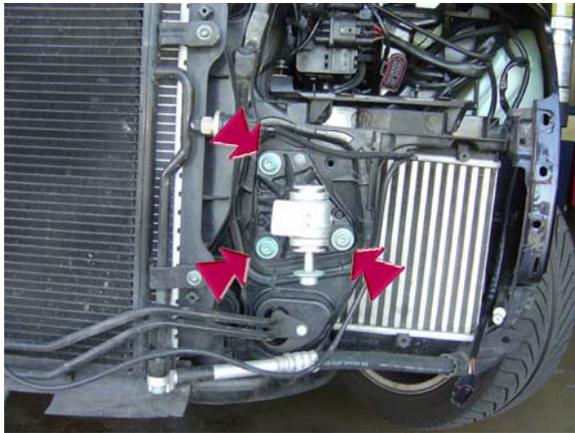
17. Completely remove the rubber hood seal that surrounds the engine bay.



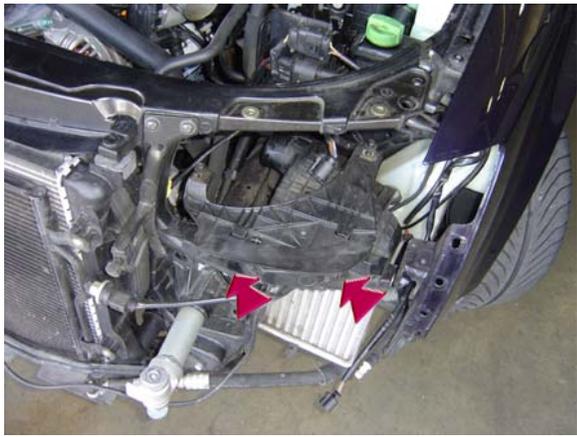
18. Remove the hose between the stock intercooler and intake manifold.



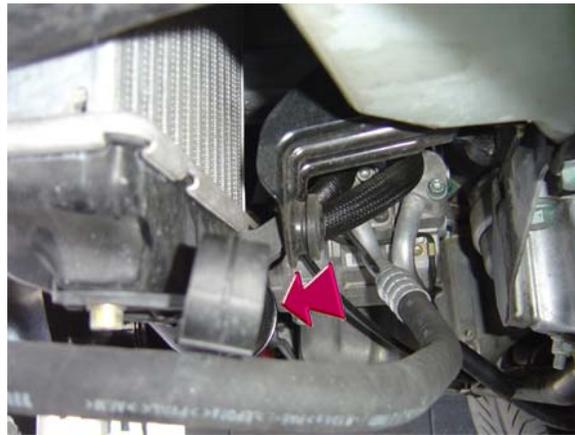
19. Remove the torx 30 screws on the top, and torx 30 screw from the side complete this on both the drivers and passenger of the car.



20. Remove the 3 torx 45s from around the bumper supports. Put one of the screws a few threads into the open service position. Repeat this on the passenger side as well. Pull the entire assembly forward. It will slide back 2 inches, and the weight will be supported by the service position screws. Do not put any additional weight on the assembly.



21. Remove driver's side headlight tray.



22. Snap off the ac hose from stock intercooler clamp.



23. Slide the bottom of stock intercooler forward by pushing it out of the rubber mount.

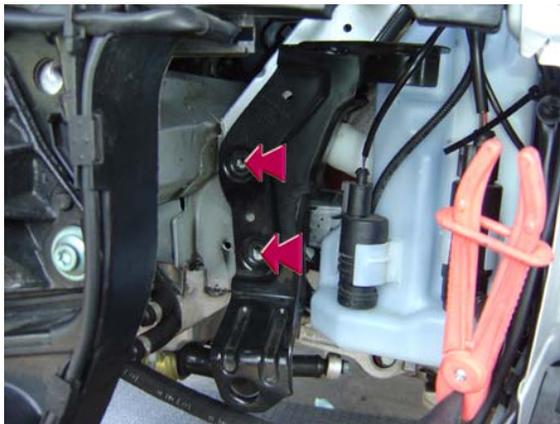


24. Disconnect the intercooler sensor.

25. Slide the intercooler up and free it from the two upper rubber mounts now remove the stock intercooler from underneath.



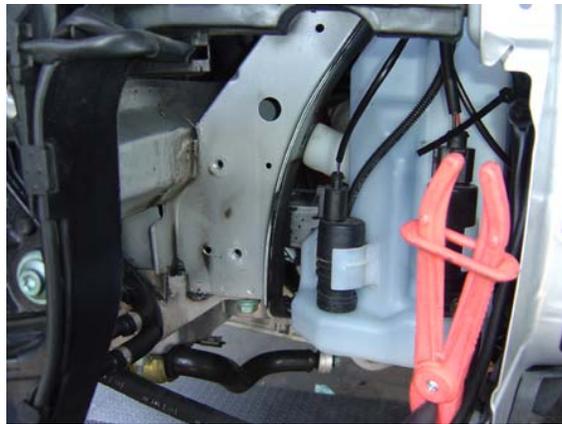
26. Remove sensor from stock intercooler and place it in a safe location for use at a later step.



27. Remove the two hex bolts from the stock intercooler mounting bracket.

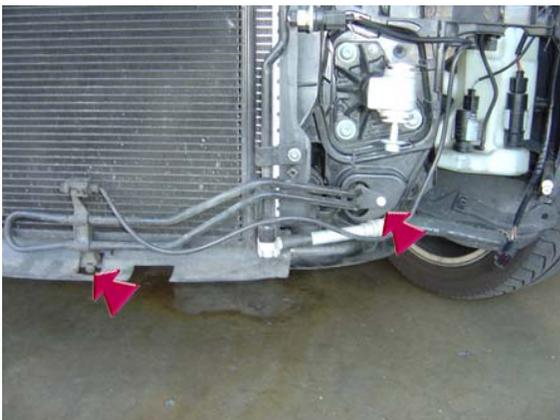


28. Remove the driver side wheel and undo screws that hold the fender liner in place.

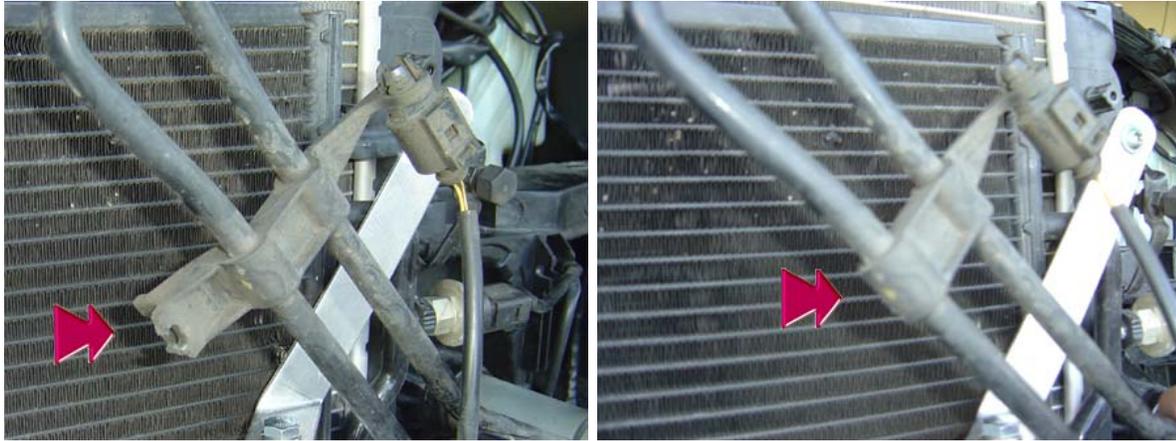


29. With the driver side fender liner removed undo the bolt from the rear of the washer reservoir that holds the intercooler mounting bracket in place as indicated by the arrow. Once removed slide the intercooler support bracket through the front and replace the removed bolt as it helps support the washer reservoir now secure the fender liner.

30. Reverse steps 20, and 19.



31. Remove the crew and bolt holding the power steering cooler in place as indicated by the arrows.



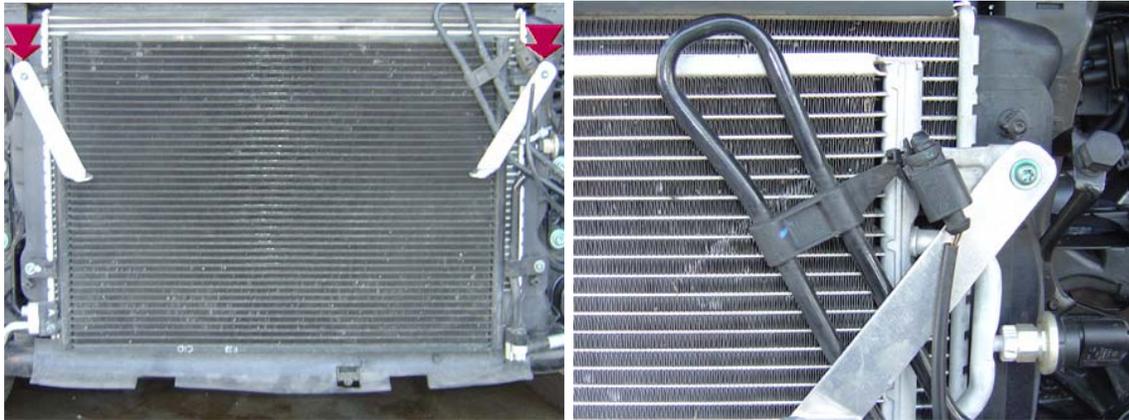
32. Use a rotary tool trim off the excess mount of the power steering cooler.



33. Use a rotary tool to enlarge the top portion of steering pump hole.



34. Insert the power stirring cooler back in its mounting hole and rotate it in an upright position against the air conditioning condenser as shown in the image above. Using the supplied zip ties secure the power steering cooler in place. The arrow shows and example of an area that can be utilized.



35. Remove the two top torx screws from AC condenser. Loosely mount intercooler support brackets on both sides and do not make them completely tight. Note: the power steering cooler needs to be placed underneath the driver's side bracket.



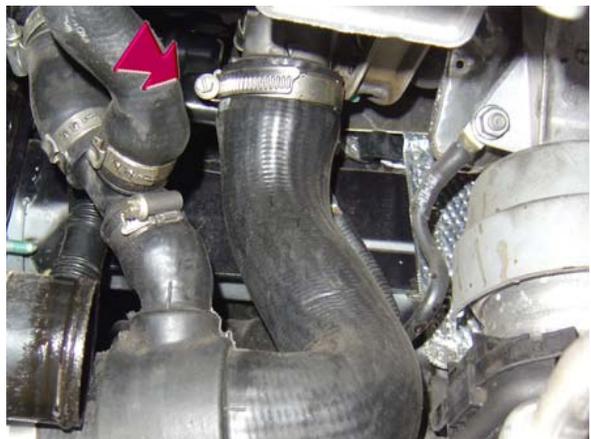
36. Slide the supplied lock washers onto the intercooler bolts and attach the intercooler to the support brackets. Tighten the upper AC condenser mount and intercooler bolts. By grabbing each end of the core gently lines up the FMIC using the fin lines on the AC condenser try your best to center the core as well.



37. Slide the 2" silicone end hoses on. Use hose clamps to secure.



38. Slip a clamp over the passenger side silicone hose and install the intercooler piping as indicated by the images. Before tightening the clamp rotate the pipe as clock wise as possible to gently push up against the smog pump. Have someone hold the pipe in place pushed up against the smog pump while you tighten the clamp on the silicone hose.



39. Slip the factory turbo outlet hose onto THE FMIC piping and tighten the factory hose clamp. Now tighten the factory clamp previously loosened at the turbo outlet.

Note: Be sure not to slide the factory turbo hose too deep as the FMIC piping will block access to the diverter valve outlet connected to this hose.



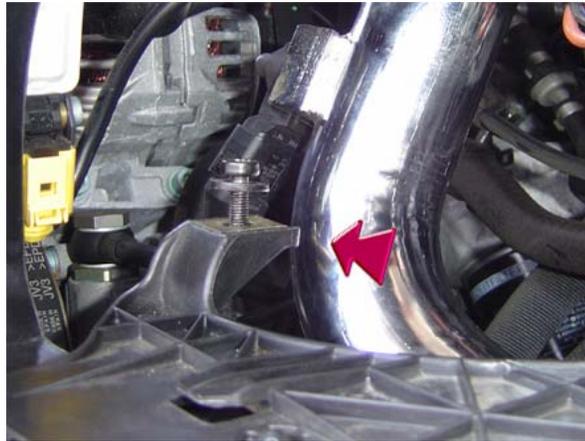
40. Slip the 2.5 silicone hose onto the throttle body and secure in place using of two larger hose clamps supplied with your kit.



41. Attach the intercooler sensor to the flange located on the metal intake piping using the supplied black allen screws.



42. Slide the supplied pinch molding on the seam that runs underneath the driver's side headlight tray.



43. Slip the 2nd large hose clamp supplied onto the throttle body silicon piece and slide in the upper intake pipe. Tighten the hose clamp enough to still allow for the pipe to rotate freely inside the hose. Ensuring the pipe has been pushed in all the way rotate it in a clock wise fashion until the pipe comes as close as possible to the headlight tray without actually touching it. This is illustrated in the two lower images.

Note: The bottom portion of the pipe should be resting on the pinch molding previously installed in step 43.





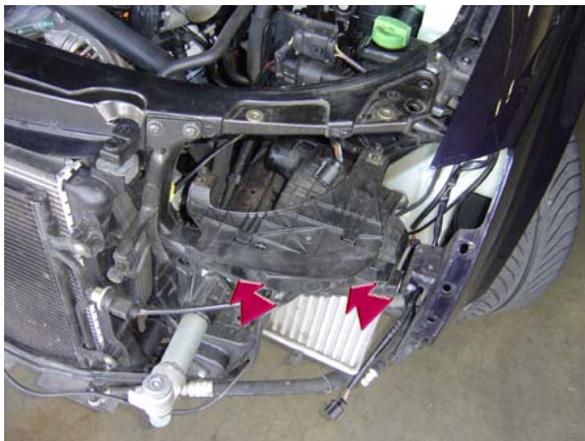
44. Attach lower intake pipe to the intercooler, line up the two intake pipes up and connect them together with the supplied 90 degree elbow. Be sure to tighten all hose clamps.



45. Using a rotary tool trim off the two areas indicated by the arrows.
Note: this also applies to models equipped with the ultrasport front bumper.



46. Trim the lower clip on the lower part closest to the fog light opening on both the passenger & driver side inserts.



47. Re-install the driver's side head light tray

48. Re-install the front bumper. It will be a snug fit compared to a car without a FMIC it will be ideal to have someone assist you with this step. Do not try and re-install one side at a time as this will force the other side to get pushed out. The best way to re-install the bumper is to slide on both sides simultaneously and for each person to continue to apply pressure to the far right and left side of the bumper to help keep it in place while they snap back in the lower valence of the bumper pulled out in step 11 this will hold the bumper in place. Next you will need to attach the 3 10mm nuts that will go on the inside of the bumper. Firmly push and hold the bumper skin to line up with each fender while you tighten the nuts.



49. Reverse steps to attach headlights, grill inserts and tighten all necessary bolts.

Enjoy!