CTS Turbo TTRS FMIC Install Instructions

Included in the kit:

- 1x Rebar
- 2x Billet End Caps
- 2x Standoff Plates
- 4x 6x90mm bolts
- 8x 6mm fender washer
- 8x 8x20mm Button Head bolts
- 8x 20mm fender washer
- 1x Intercooler core
- 1x 6x16mm socket cap screw
- 1x Temp Gauge bracket
- 2x 6x50mm bolt
- 1x Home-link mounting bracket

Have the following tools at hand:

- 10mm socket
- 7mm socket
- ¼" Rachet
- ¼" extension
- T30 Torx
- T25 Torx
- 10mm Triple Square

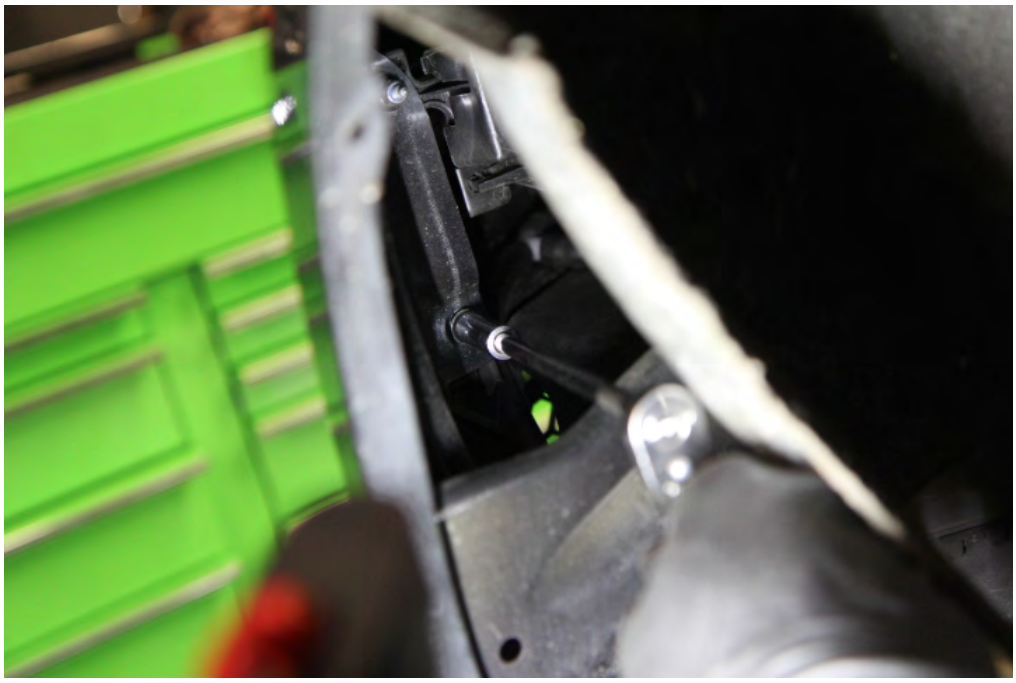
Make sure the car has COOLED OFF before starting the install. Installation pictures are provided for your reference only and the car used for this install is a 2013 Audi TT-RS.

Step 1: Raise the car on a lift using the correct lift points or with a jack. Ensure jack stands are placed safely in the correct positions and e-brake is applied if you are performing the install on the ground.

Step 2: Remove the underbelly pan followed by the 5x T25 Torx screw holding the bottom of the bumper to the subframe.

Step 3: Remove the 5x T25 Torx, 1x T30 Torx and 1x 10mm nut holding the inner fender lining to the car. Repeat for the passenger side of car.

Step 4: Pull back the upper fender liner and remove the 2x 10mm nuts holding the bumper to the rad support. Repeat for the other side of car.



Step 5: With empty bucket prepared, detach the washer fluid line and let it drain completely.

Step 6: Open the hood of the car and remove the 2 plastic fairings off the top of the bumper.

Step 7: Remove the 4x T30 Torx screws attaching the top of the bumper to the rad support.

Step 8: With a second person, start to remove the bumper by pulling on the bottom corners. Pull the bumper free and set off to the side.

Step 9: Remove the 4x T30 Torx screws holding the right side auxiliary rad cowling to the car. (passenger side shown) Pull the cowling free. Remove the 2x T30 Torx holding the drivers side cowling and pull free.

Step 10: Unplug the homelink computer module.

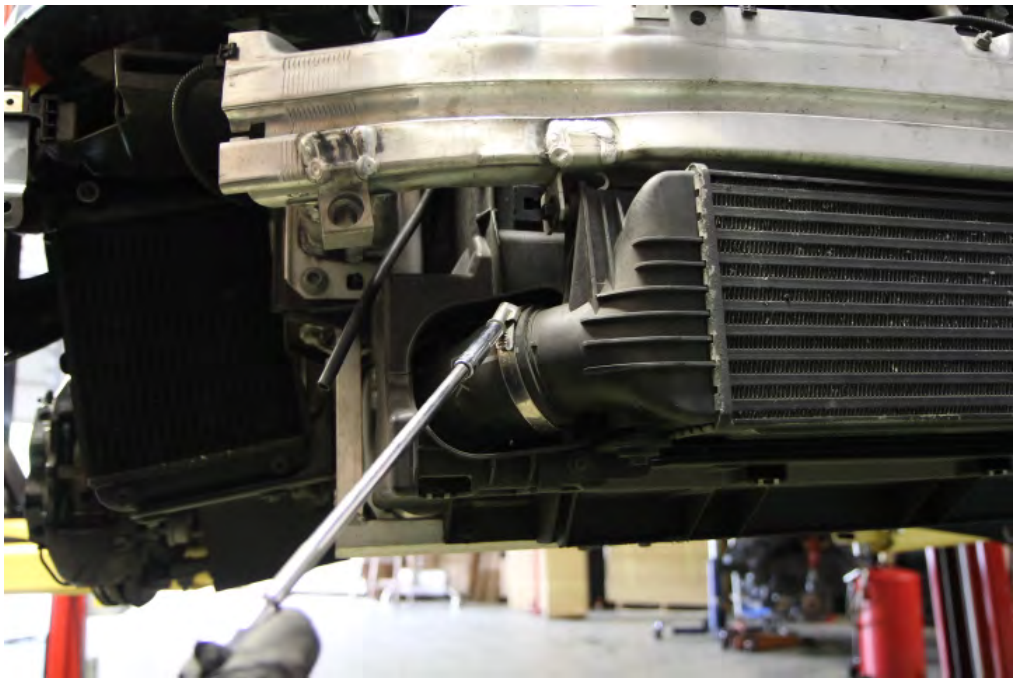
Step 11: Remove the foam insulator. Pull the homelink computer module free.

Step 12: Remove wiring clips followed by the 1x 10mm nut holding the horn bracket to the factory rebar.

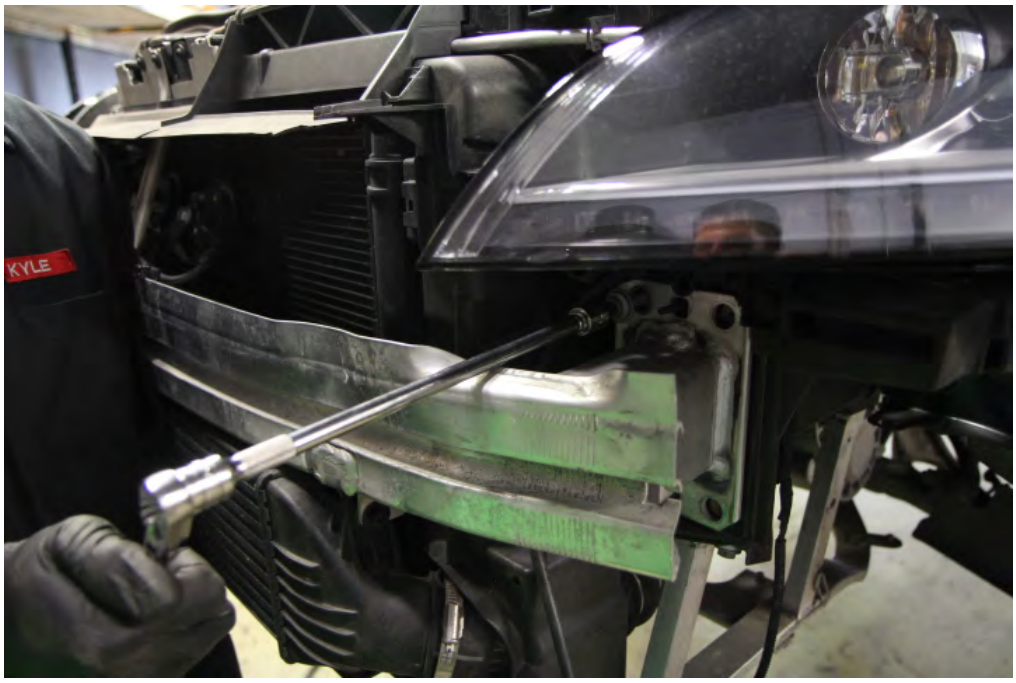
Step 13: Pull the temp sensor free of its mount.

Step 14: Remove the 2x T30 Torx screws on the bottom of the intercooler.

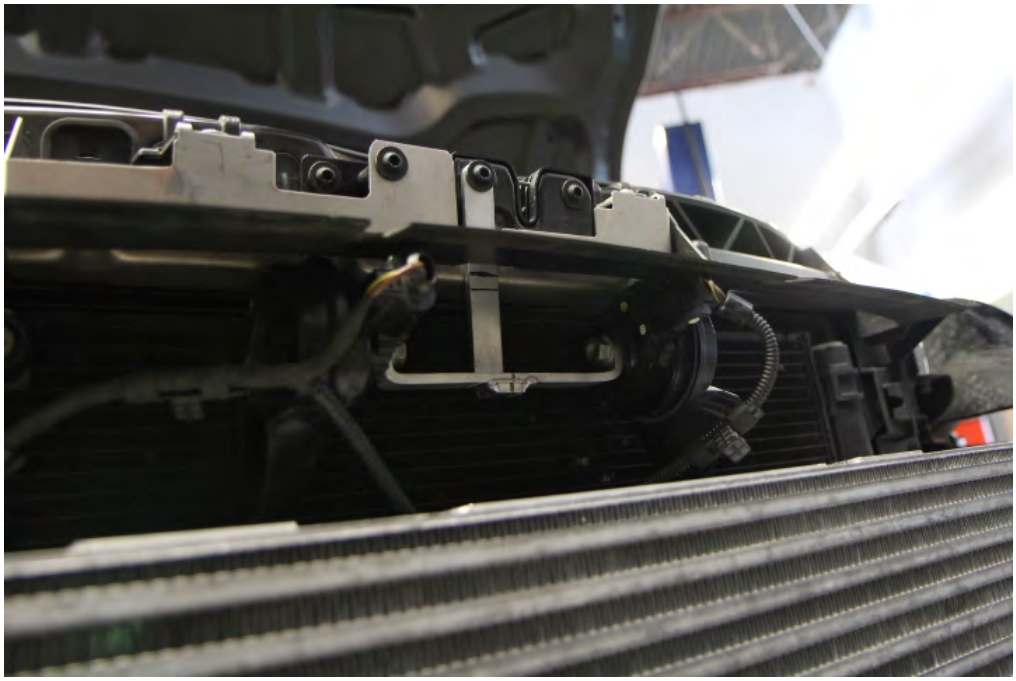
Step 15: Using your 7mm socket, loosen the 2 screw clamps holding the rubber pipes to the factory intercooler.



Step 16: Remove the 8x 10mm triple square bolts holding the rebar to the frame. Pull the aluminum rebar with the intercooler free of the car.

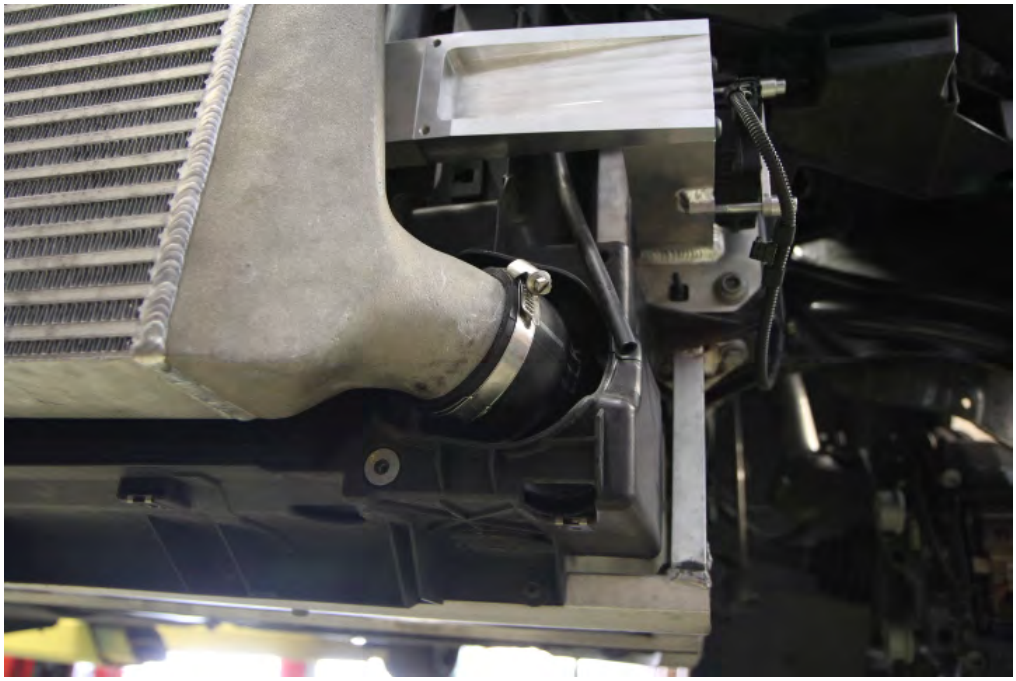


Step 17: Remove the 1x T30 Torx screw holding the horn bracket to the rad support. Remove both horns off the factory mount and attach to the supplied CTS bracket using the factory nuts. Reattach the CTS bracket to the car using the T30 Torx screw.



Step 18: Loosely bolt the intercooler to the rebar section with the intercooler mounting tabs sitting on top of the square rebar. Bolt on and tighten the billet end caps to the standoffs and to the rebar using the 8x 8x20mm socket cap screws.

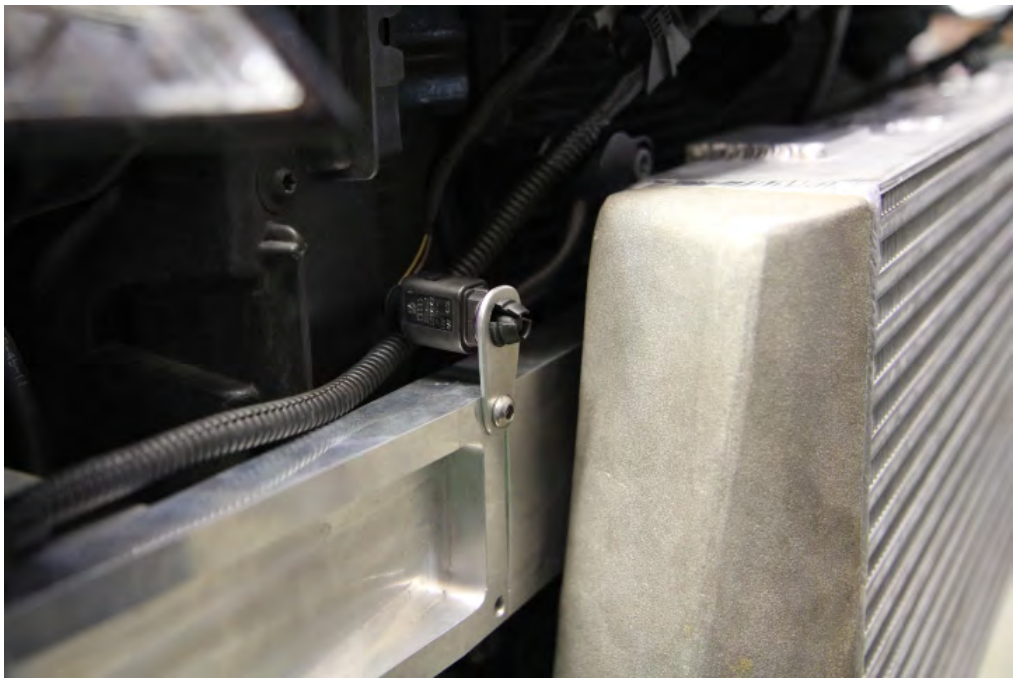
Step 19: With the help of a friend, lift up the assembled kit and loosely screw in the 8x 10mm triple square bolts. Using generous amounts of silicone lubricant, slide the rubber piping over the intercooler inlet and outlet. Tighten down the screw clamps using your 7mm socket.



Step 20: Insert the Homelink computer into the bracket and lightly tighten the 2x 6mm bolts to clamp it in place (apply medium strength thread-lock to the bolts). Reattach the cable.

WARNING: Over tightening can crush the computer module.

Step 21: With the silicone clamps tightened, proceed to tighten the 4x 6mm bolts holding the intercooler mounting tabs to the rebar. Tighten the 8x 10mm triple square bolts. Attach the temp sensor bracket to the billet rebar using the 6x16mm button head screw and push the sensor into place.



Step 22: Ensure that all bolts, clamps and nuts are tight. Reverse steps 9 through 1 to reinstall the bumper and auxiliary components. Test-drive vehicle carefully and check for leaks.

You Are Done!