



## INSTALLATION GUIDE

### CTS Turbo B8 S4 Heat Exchanger



20630 Mufford Crescent, Unit #309  
Langley, British Columbia V2Y 2V9

[www.CTSTURBO.com](http://www.CTSTURBO.com)

## WHAT IS INCLUDED

1. CTS Turbo Heat Exchanger
2. Brackets w/ Hardware
3. Coolant Hoses
4. Hose Clamps
5. Self Tapping Screws
6. Hose Menders (Straight & 90 Degree)

## Optional for Adaptive Suspension:

9. Auxiliary Cooler
10. Zip Ties
11. Foam Pads/Spacers

## TOOLS REQUIRED

1. 12mm, 13mm, 10mm Socket
2. T25 Torx
3. Hose Pliers
4. Side Cutters
5. Sharpie
6. Drill
7. Drill Bits

## NOTES

Vehicle used in this guide is a 2010 Audi S4 with Adaptive Dampening Suspension. Always make sure the car is safe to work on. Do not work on a hot motor. We do not accept any liability for incorrect installation or damage during the install.



**STEP 1**

\*this step applies only to vehicles equipped with the Adaptive Suspension.

Using an appropriate tool, cut the tabs off the brackets that are mounted to the radiator.

Take care not to accidentally cut into the radiator.

**STEP 2**

Clamp off the two coolant hoses running to either side of the OEM heat exchanger.



**STEP 3**

Loosen the constant tension clamps on both hoses and disconnect them from the heat exchanger.

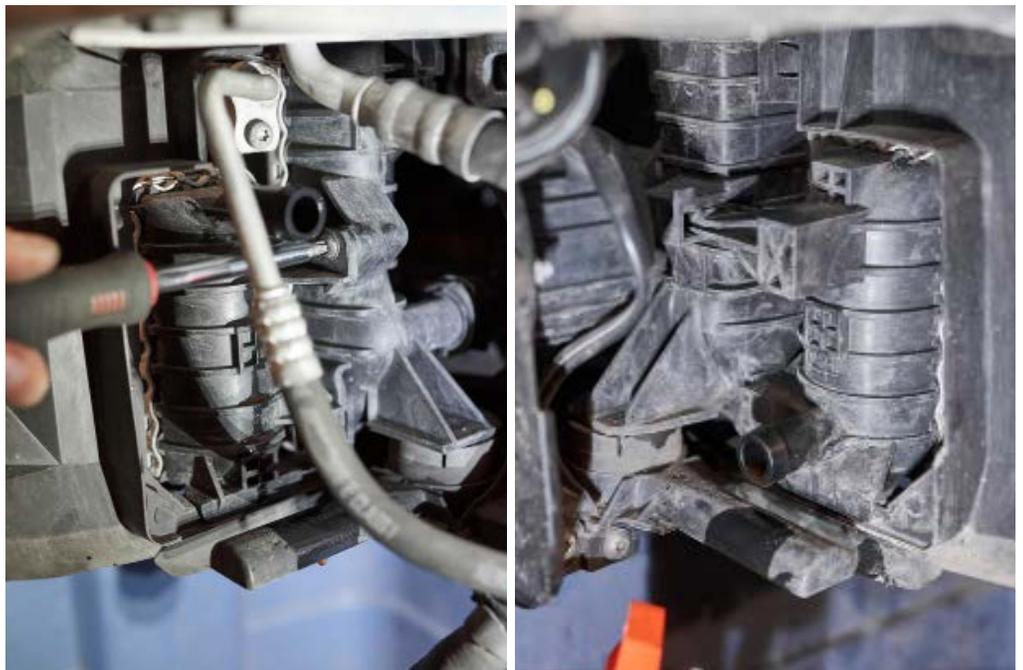
Let the coolant drain from the OEM heat exchanger into a bucket.

**STEP 4**

Remove the T25 torx on the drivers side of the heat exchanger.

Release the plastic clip on the passenger side and remove the heat exchanger.

Some coolant may still be left, be sure to angle the OE exchanger so that any leftovers will drain into a bucket.



## STEP 5

Use a 13mm socket to remove the four bolts that secure the crash bar to the vehicle.

(2 on Drivers side, 2 on passenger side)



## STEP 6

Remove the crash bar

(a pry-bar may be necessary to get the initial movement)



**STEP 7**

Space your brackets equally on the inside of the crash bar and use the self-tapping screws to attach.

Before mounting the second bracket, it's a wise idea to place the heat exchanger on the crash bar to double check your measurements.

**STEP 8**

Use supplied hardware to mount the heat exchanger to the crash bar.

\*\*The following applies to adaptive suspension vehicles

While the heat exchanger is off the vehicle, it's smart to skip to "Step 10" and mount the auxiliary cooler to the new CTS Heat Exchanger.



## STEP 9

Re-install the CTS Heat Exchanger that you mounted to the crash bar. A second set of hands makes this a little easier to line it up.

If your vehicle DOES NOT have the adaptive suspension option, continue on "Step 14"



## STEP 10

Once you've established a correct height for the auxiliary cooler, push the zip ties through the back of the heat exchanger.

Use the supplied foam spacers so that there is enough clearance once the hose are connected.



**STEP 11**

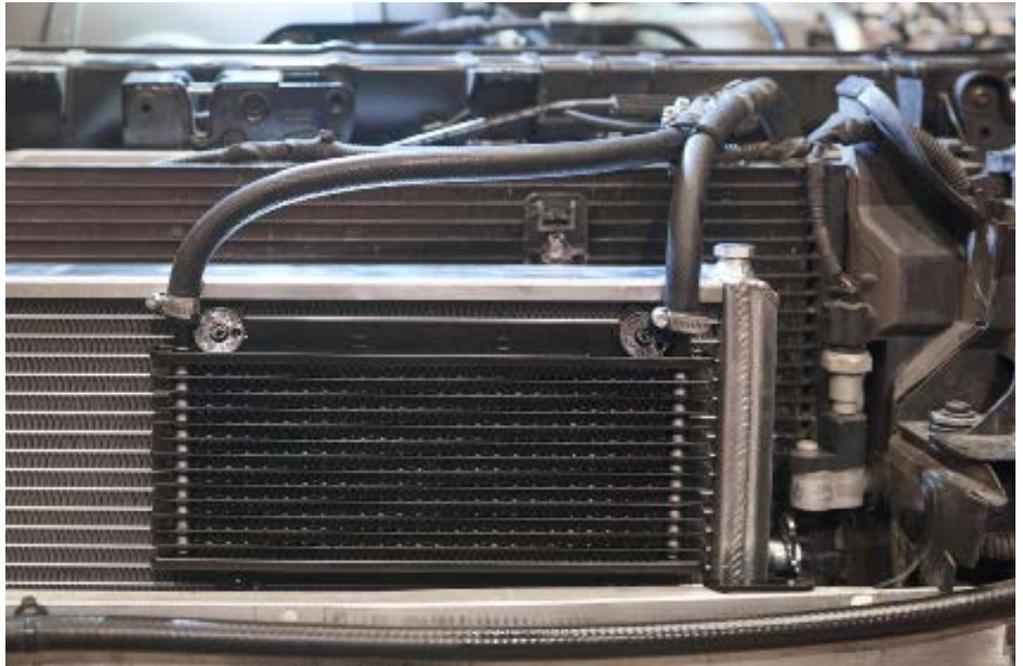
Clamp off the lines coming from the OEM adaptive suspension cooler.

Place a rag under the hose connections and cut the clamps.

Remove the OEM cooler from the two hose.

**STEP 12**

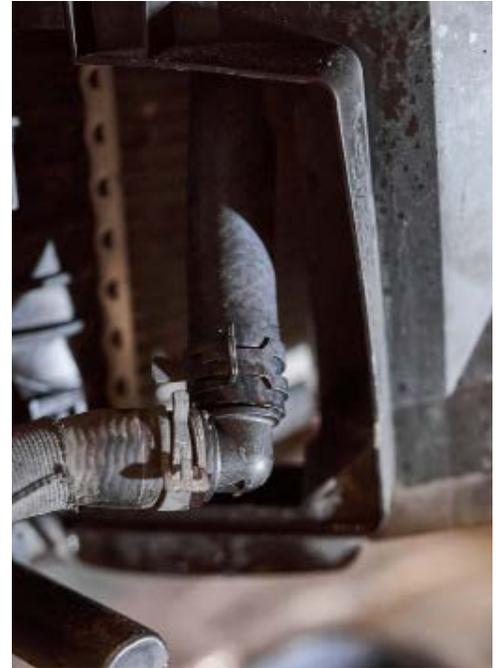
Secure the hoses with the provided hose clamps.



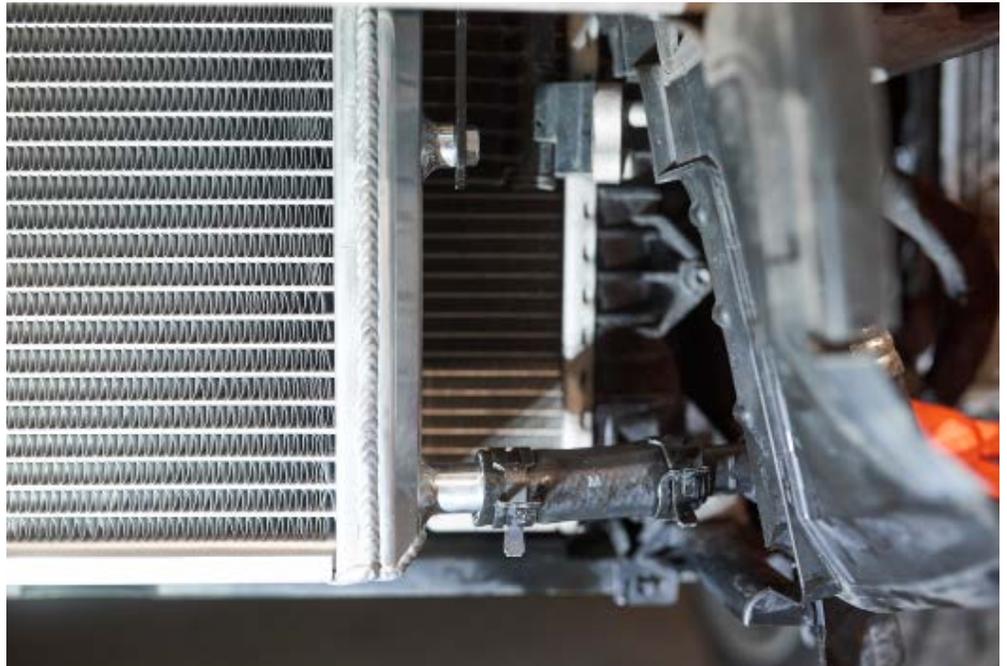
**STEP 13**

Install the 15" length of hose on the outlet of the heat exchanger. (This hose is sent with an extra 2" in length, trim as needed).

Use the 90° connector to route the line back to the factory hose.

**STEP 14**

Use the 3/4" hose mender and 5" section of hose to connect the heat exchanger inlet with the factory hose.



**STEP 15**

Double check that all your clamps connections are good and the clamps are tight.

Re-fill and bleed coolant system.

