



**REFERENCE GUIDE**

CTS-20T-MQB-DF-GLI



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

### WHAT IS INCLUDED

- INTERCOOLER
- SILICONE
- HARDWARE

### TOOLS REQUIRED



### NOTES

THIS IS A REFERENCE GUIDE ONLY. Refer to factory procedure for removal.

Always make sure the car is safe to work on. Do not work on a hot motor.

**2019 cars with ACC may require recalibration from a VW dealership.**

**STEP 1**

Remove the screws securing the bumper to the belly pan.



**STEP 2**

Remove both front wheels.

Remove the screws on the wheel liner to gain access to behind the bumper.



#### STEP 3

Remove the 4 screws securing the top of the bumper to the body.



**STEP 4**

You can now gently bring the bumper forward and disconnect the electrical connector by the VW emblem.

You can now fully remove the bumper.



#### STEP 5

Remove and disconnect the hood latch cable.



### STEP 6

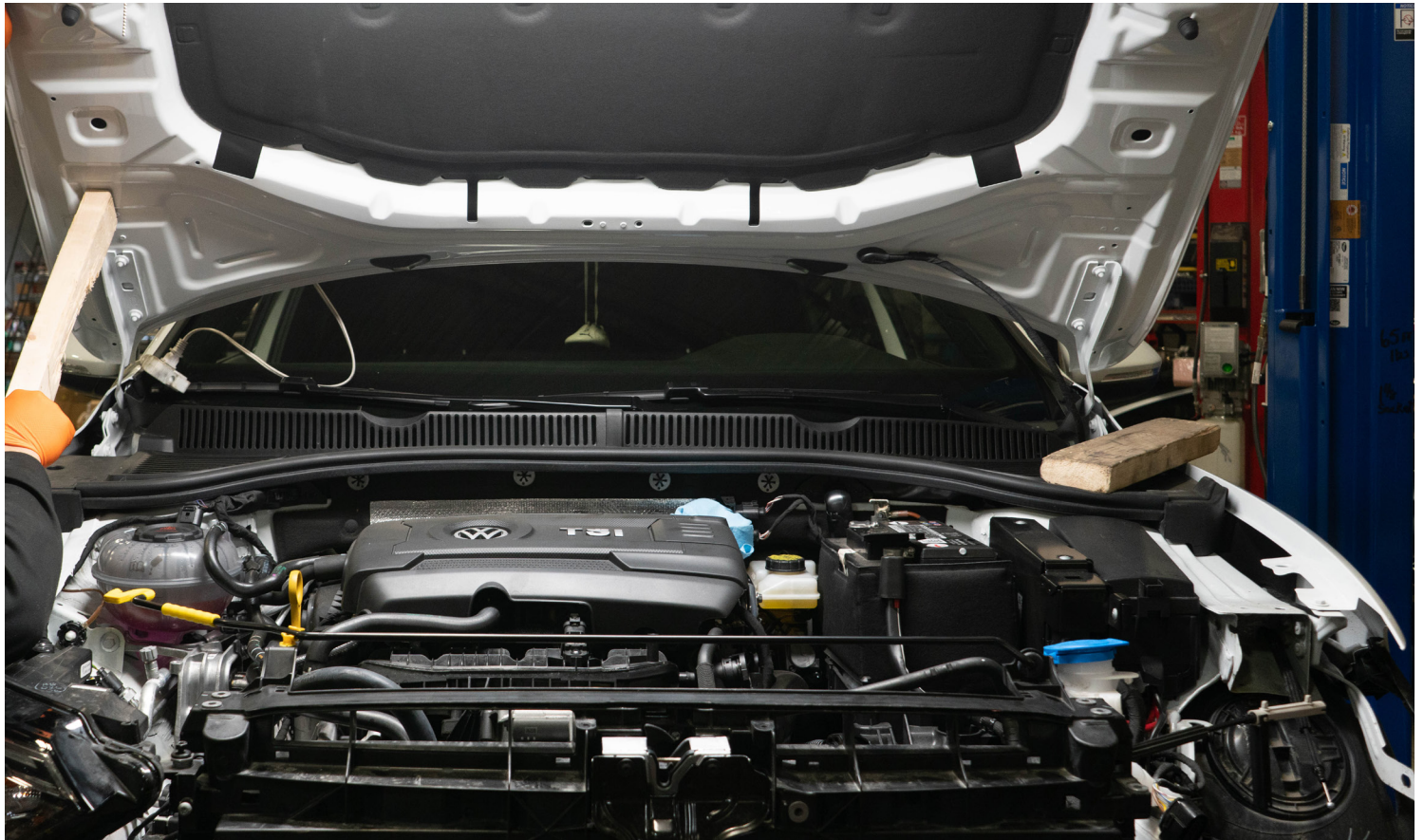
Remove the braces above the headlights.

Remove the headlights. Be careful when removing the headlights and make sure to disconnect the electrical connectors.



#### STEP 7

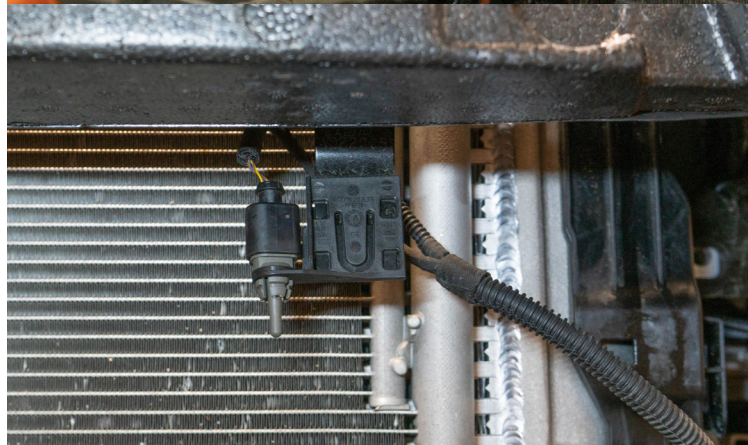
At this point we suggest you secure the hood. We used a wooden block to keep the hood open.



**STEP 8**

Remove the bracket securing the hood latch and crash bar.

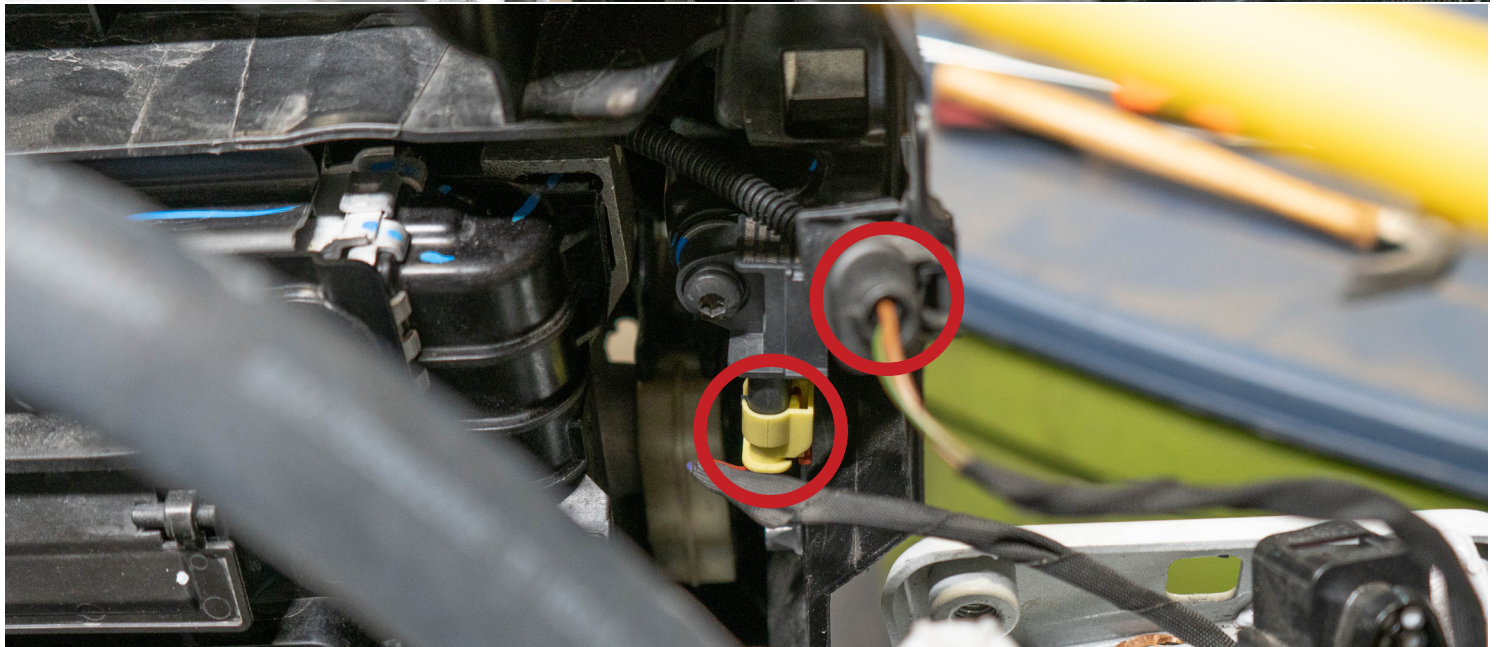
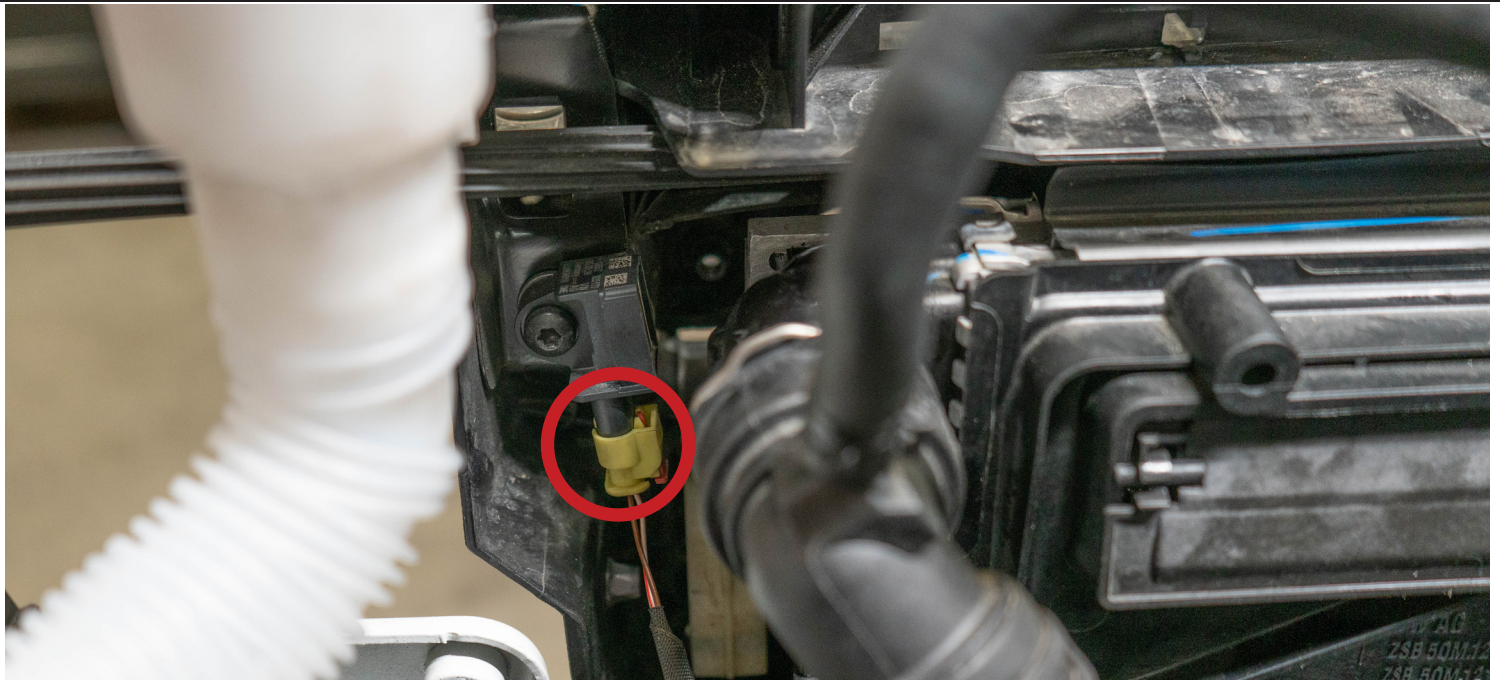
Disconnect the air temperature sensor and both horns on either side of the vehicle as well.



### STEP 9

On the driver side remove the highlighted connector.

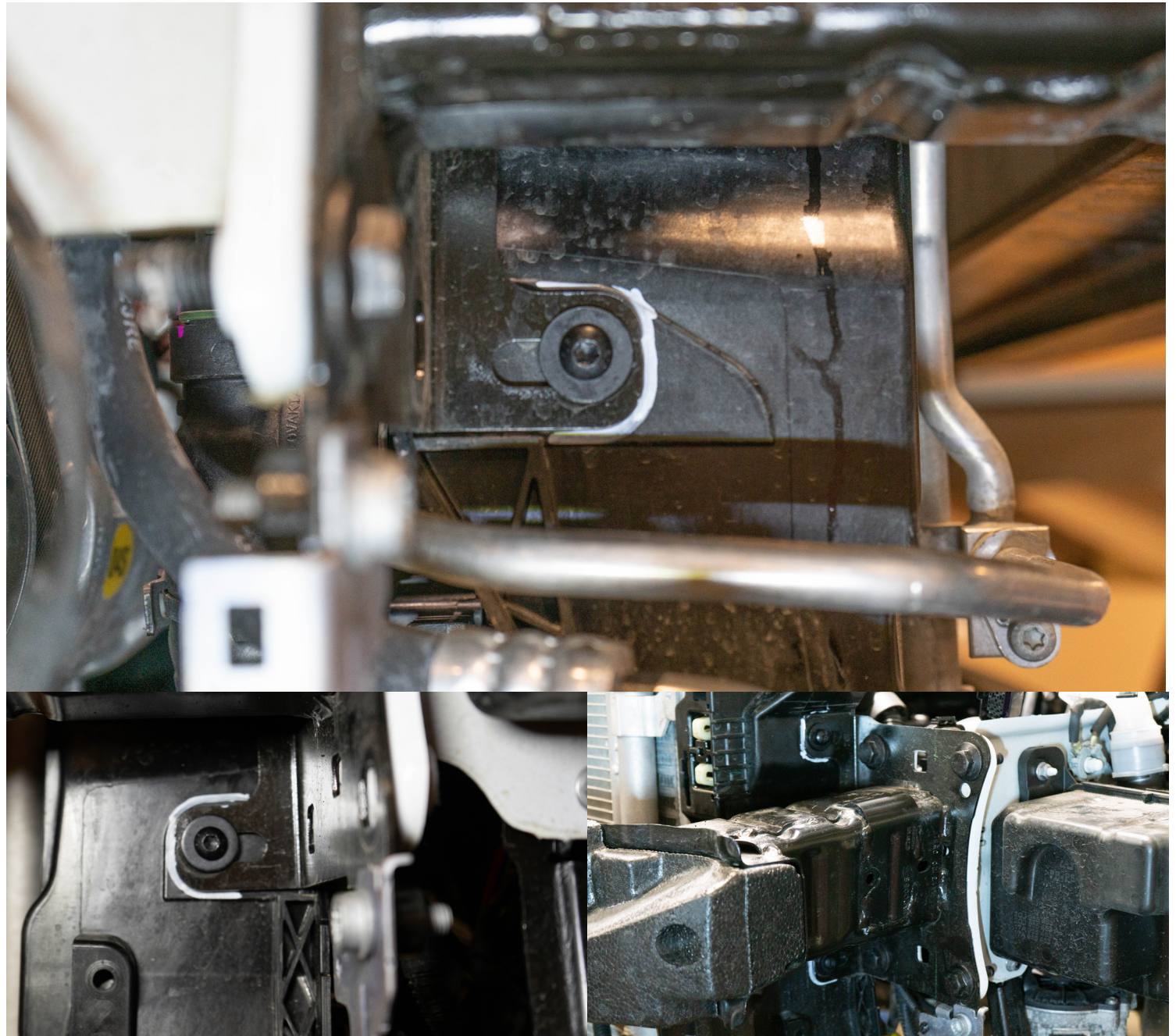
On the passenger side remove the 2 connectors highlighted attached to the crash bar.



**STEP 10**

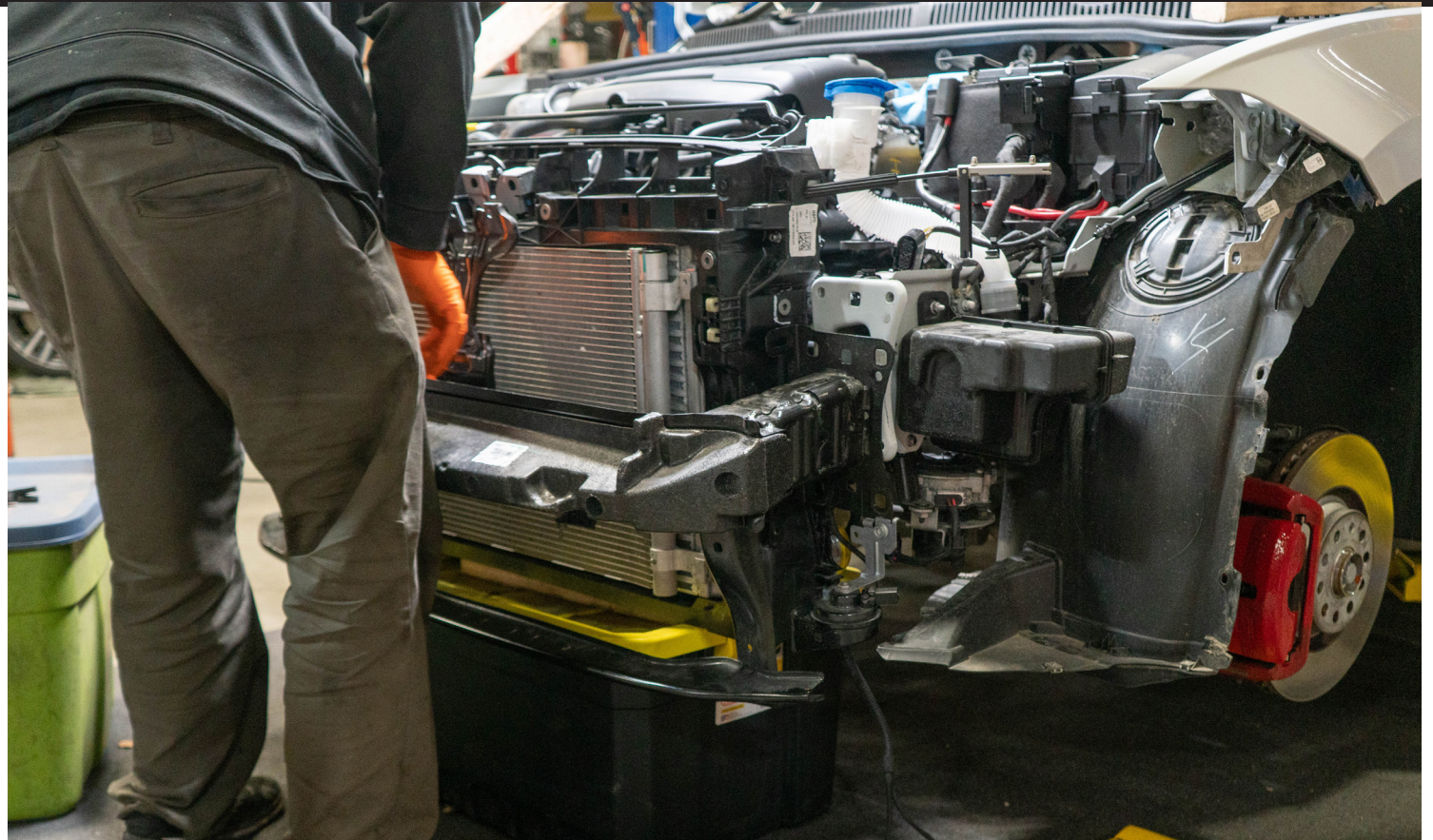
Mark the position of the bolts on the crash bar and radiator support.

Before removing the bolts, make sure something is holding up the rad assembly



#### STEP 11

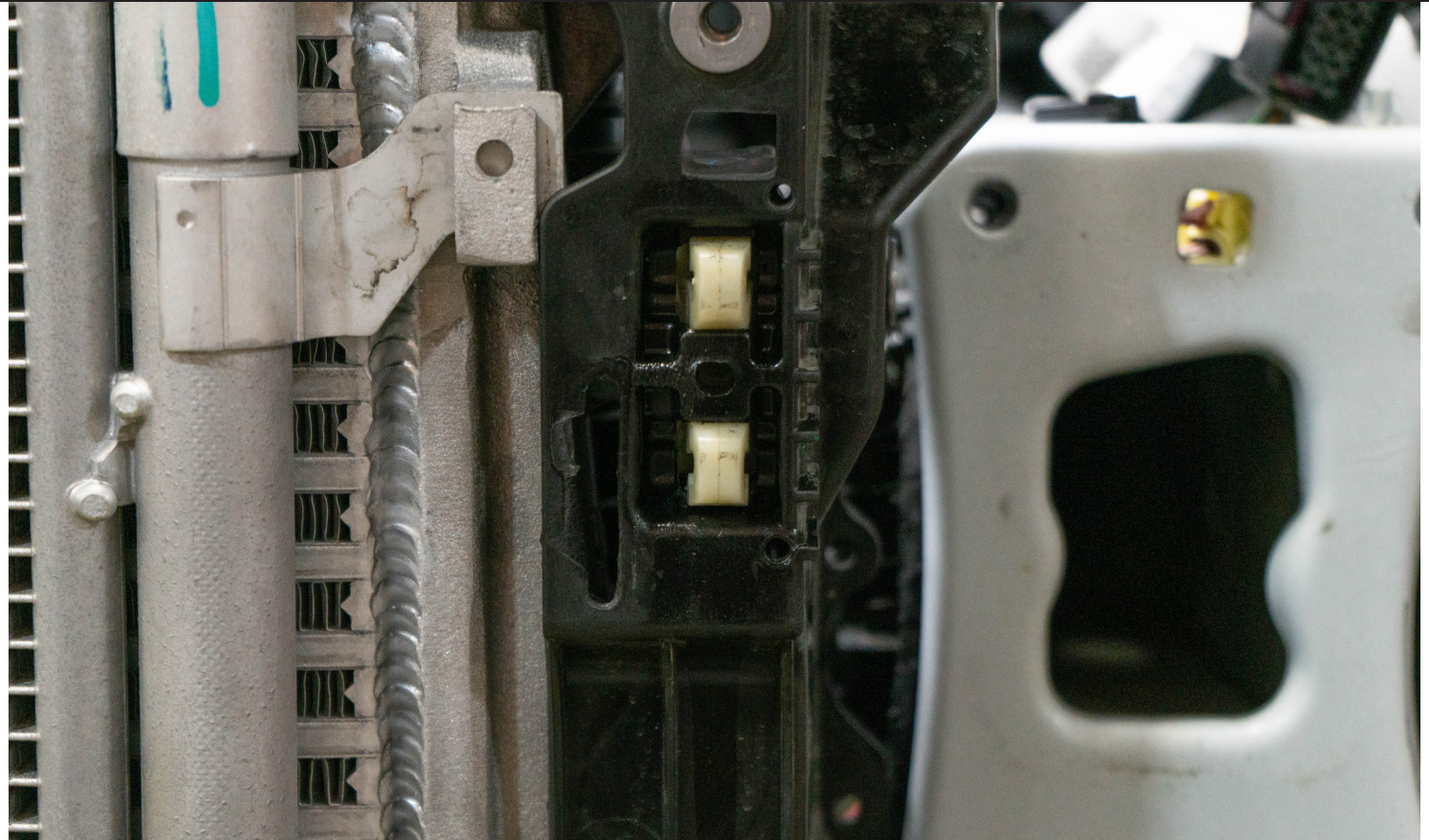
Remove the assembly and rest on the support.



**STEP 12**

On either side you need to unclip the plastic tabs to remove the radiator and support.

These tabs are difficult to remove and you may need to use some WD-40 with a screw driver to pop them loose.



#### STEP 13

You can now remove the intercooler and pipes.

Transfer white plastic clips to the CTS FMIC



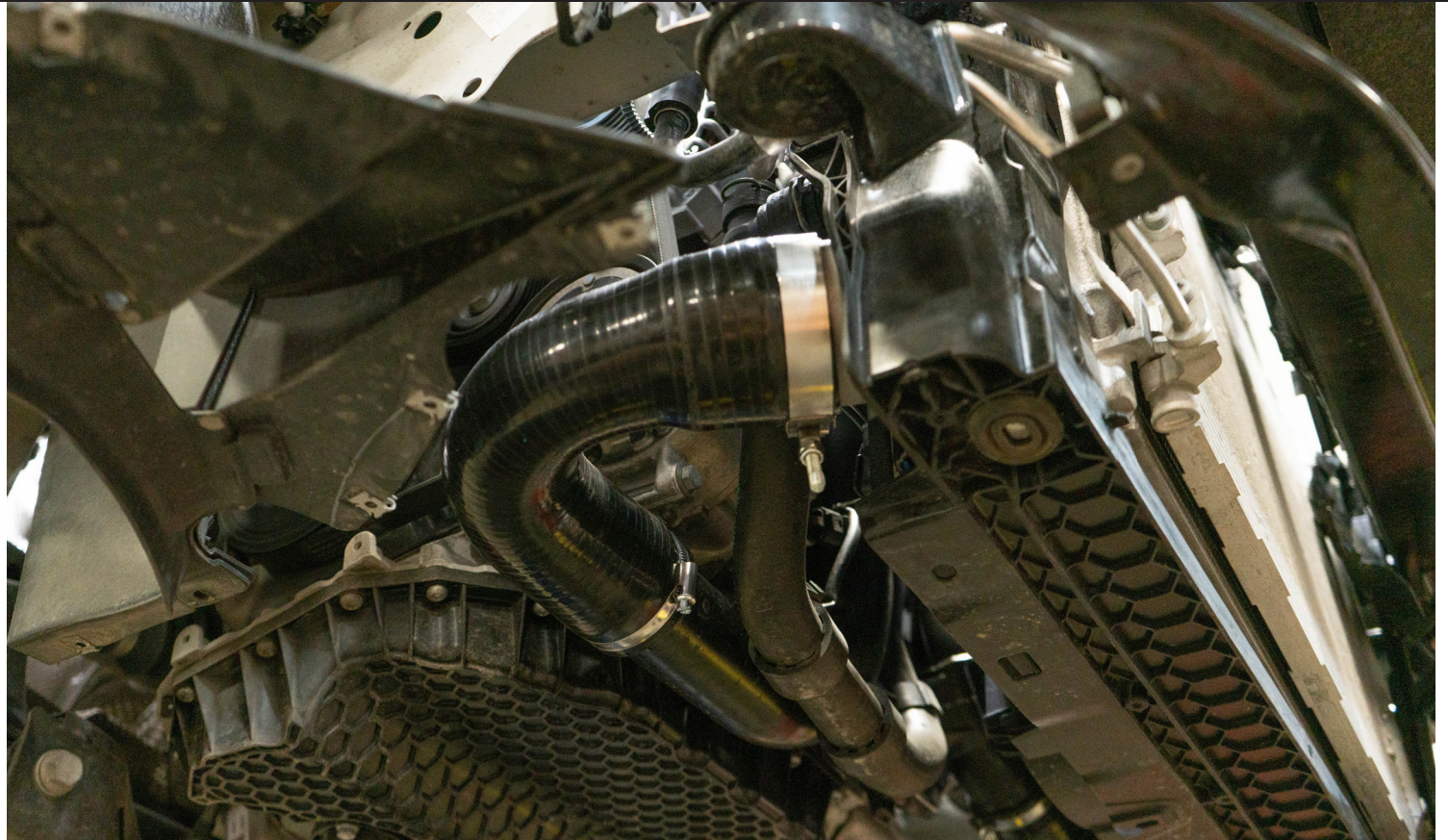
#### STEP 14

Install the CTS FMIC and  
reinstall the radiator assembly.



#### STEP 15

Install the provided CTS silicones and clamps.



#### STEP 16

Reassemble back from step 10 and you are done!

