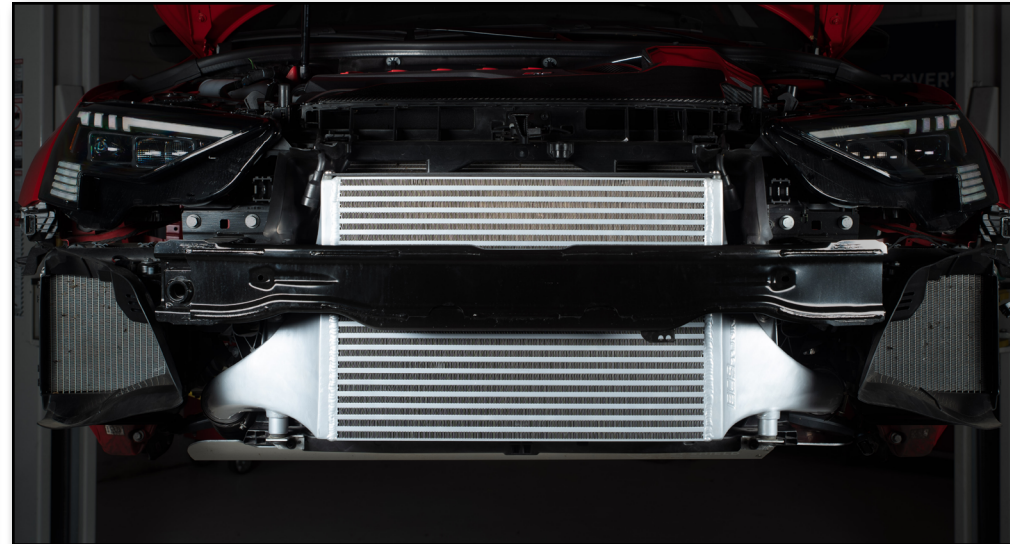




**Audi 8Y RS3 Intercooler Kit**  
**Installation Instructions - [Click HERE to Shop](#)**



**Skill Level**  
**1 - Easy**  
**Basic Skills**  
**Required**



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

**REQUIRED TOOLS**

Note: The tools required for each step will be listed by the step number throughout these instructions.

**Standard Automotive Tools**

- **Protecta-Sockets (for lug nuts)** ..... [ES#2221243](#)
- **3/8" Drive Ratchet** ..... [ES#2765902](#)
- **3/8" Drive Torque Wrench** ..... [ES#2221245](#)
- **3/8" Drive Deep and Shallow Sockets** ..... [ES#2763772](#)
- **3/8" Drive Extensions** ..... [ES#2804822](#)
- **Hydraulic Floor Jack** ..... [ES#2834951](#)
- **Torx Drivers and Sockets** ..... [ES#11417/8](#)
- **1/2" Drive Deep and Shallow Sockets** ..... [ES#2839106](#)
- **1/2" Drive Ratchet**
- **1/2" Drive Extensions**
- **1/2" Drive Torque Wrench** ..... [ES#2221244](#)
- **1/2" Drive Breaker Bar** ..... [ES#2776653](#)
- Bench Mounted Vise
- Crows Foot Wrenches
- **Hook and Pick Tool Set** ..... [ES#2778980](#)

**Required For This Install**

- **1/4" Drive Ratchet** ..... [ES#2823235](#)
- **1/4" Drive Deep and Shallow Sockets** ..... [ES#2823235](#)
- **1/4" Drive Extensions** ..... [ES#2823235](#)
- Plier and Cutter Set ..... [ES#2804496](#)
- Flat and Phillips Screwdrivers ..... [ES#2225921](#)
- **Jack Stands** ..... [ES#2763355](#)
- Ball Pein Hammers
- Pry Bar Set ..... [ES#1899378](#)
- Electric/Cordless Drill
- Wire Strippers/Crimpers
- Drill Bits
- Punch and Chisel Set
- Hex Bit (Allen) Wrenches and Sockets ..... [ES#11420](#)
- Thread Repair Tools ..... [ES#1306824](#)
- Open/Boxed End Wrench Set ..... [ES#2765907](#)

**Available On Our Website**

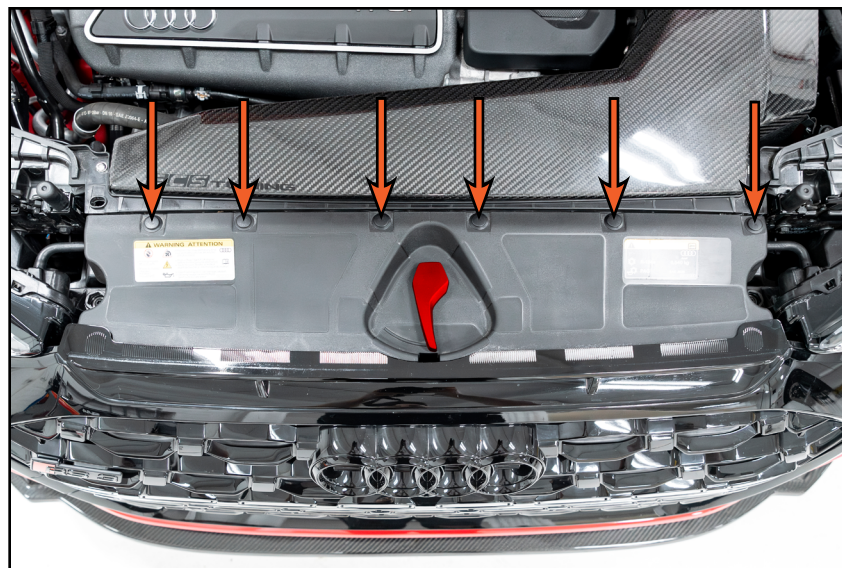
**Specialty Tools**

- **Protecta-Sockets (for lug nuts)** ..... [ES#2221243](#)

## REMOVING THE STOCK INTERCOOLER

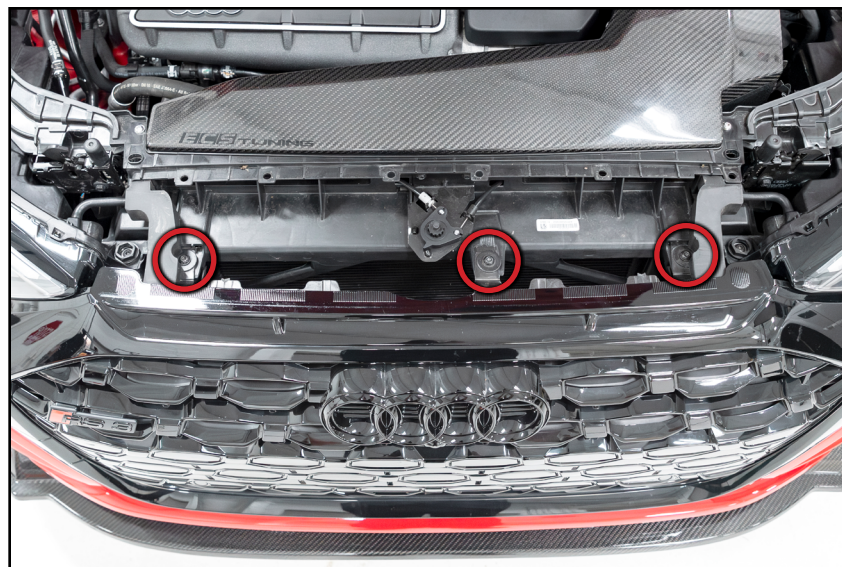
### Step 1: Non-Marring Trim Removal Tool

Depress the retaining tab and pull the hood release lever (highlighted in **RED**) free. Remove the push rivets (arrows) and pull the radiator shroud free from the bumper cover.



### Step 2: T30 Torx Socket & Ratchet

Remove the three screws (circled in **RED**) that secure the top of the bumper cover to the core support.



## REMOVING THE STOCK INTERCOOLER

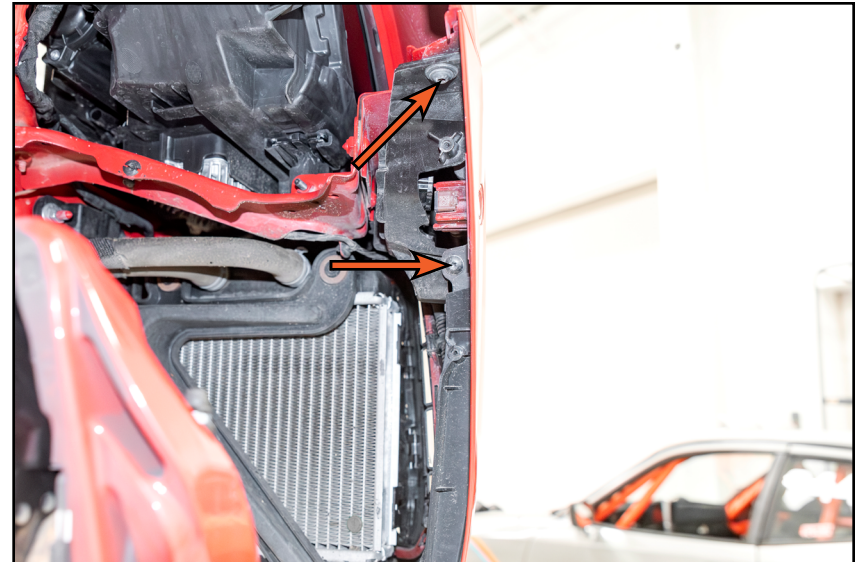
**Step 3:** Pick, 10mm, T25 Torx Socket & Ratchet

Safely lift and support the vehicle and remove the front wheels. Remove the fasteners and plastic push rivets that secure the front fender liners in place, then remove the fender liners from the vehicle.



**Step 4:** T25, T30 Torx Socket & Ratchet

Remove the two screws (arrows) that secure each side of the bumper to the vehicle.



## REMOVING THE STOCK INTERCOOLER

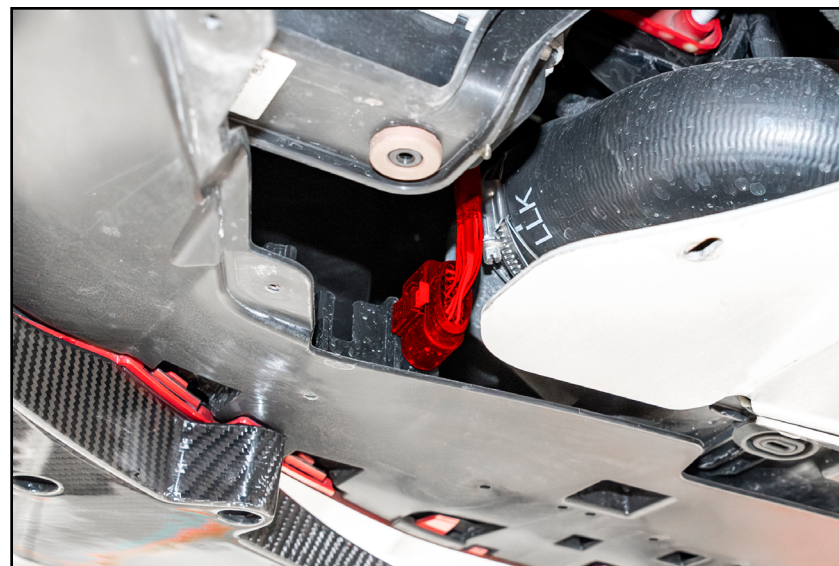
### Step 5:

Drain the washer fluid reservoir, then depress the retaining tabs and pull the upper headlight washer fluid line (highlighted in **RED**) free from the lower line on the LH side of the bumper.



### Step 6:

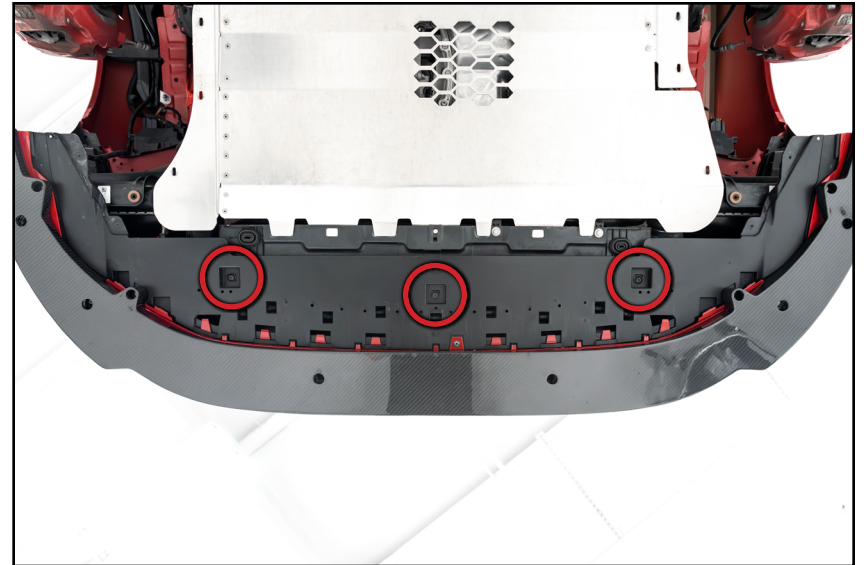
Release the locking tab then disconnect the connector (highlighted in **RED**) on the LH side of the bumper.



## REMOVING THE STOCK INTERCOOLER

### Step 7: T30 Torx Socket & Ratchet

Remove the three screws (circled in **RED**) that secure the bottom of the bumper cover to the core support.



### Step 8:

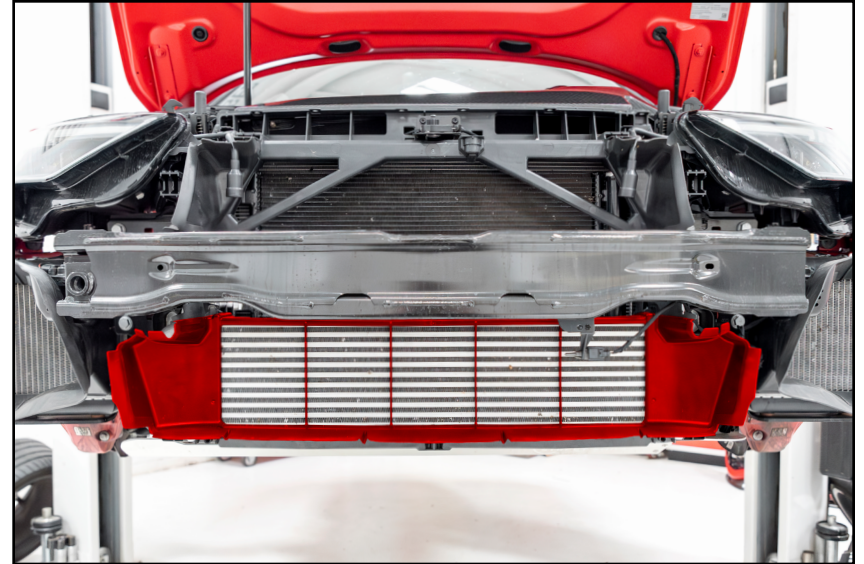
Carefully pull each corner of the bumper away from the vehicle slightly as shown, then carefully guide the bumper off of the vehicle and set it aside.



## REMOVING THE STOCK INTERCOOLER

### Step 9: T30 Torx Socket & Ratchet

Pull the plastic air shroud (highlighted in **RED**) free from the front of the intercooler.



### Step 10: Pick Tool

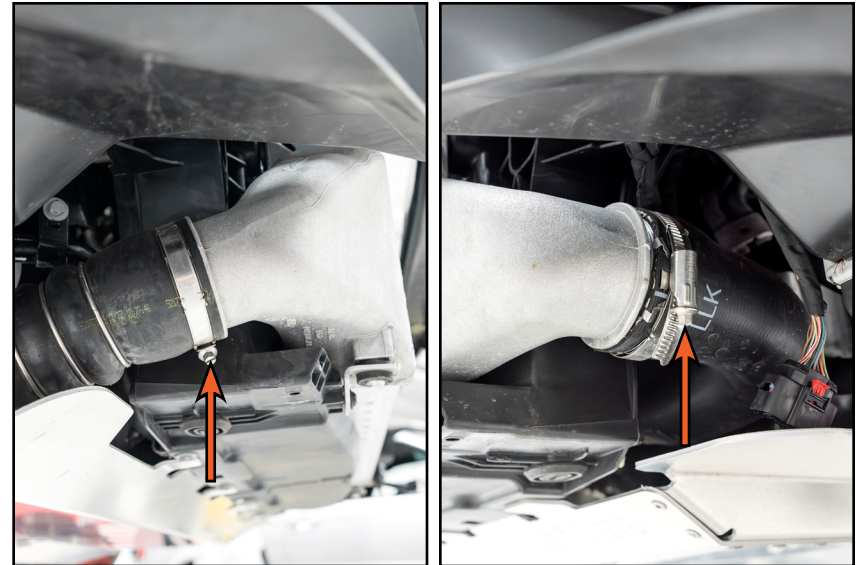
Release the plastic rivet and move the ambient air temperature sensor and bracket (highlighted in **RED**) out of the way.



## REMOVING THE STOCK INTERCOOLER

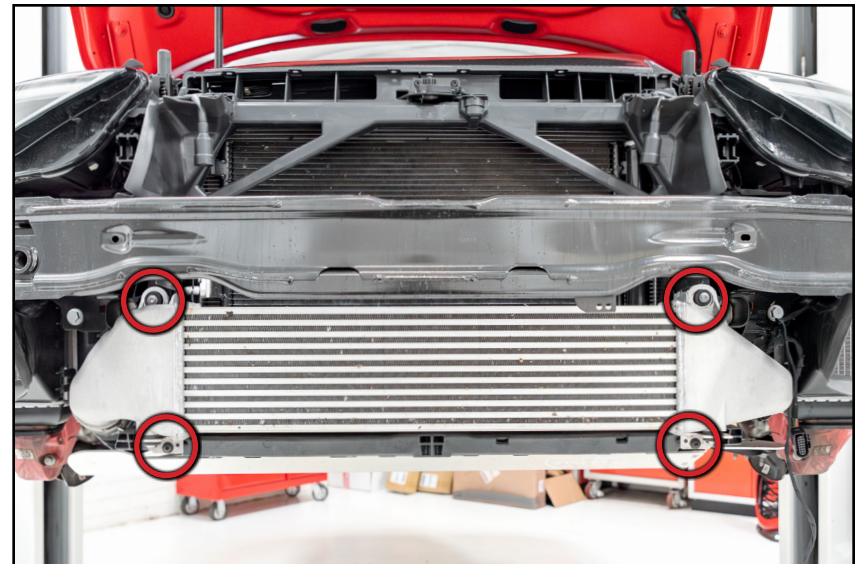
### Step 11: 7mm Socket & Ratchet

Loosen the clamps (arrows) and pull the intercooler hoses free from the intercooler inlet and outlet.



### Step 12: T30 Torx Socket & Ratchet

Support the intercooler from below then remove the four screws (circled in **RED**) and carefully remove the intercooler from the vehicle.



## REMOVING THE STOCK INTERCOOLER

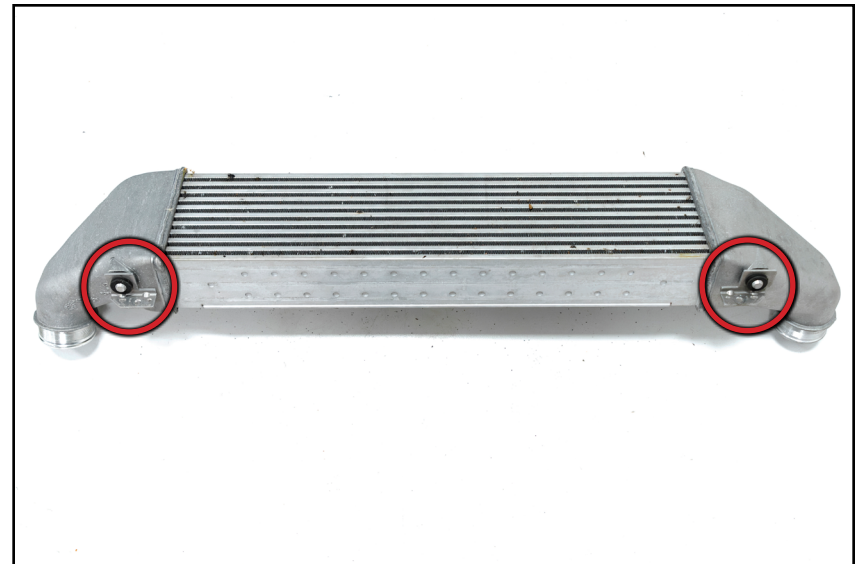
### Step 13: Pick Tool

Carefully pull the upper mounting grommets (circled in **RED**) free from the upper mounting tabs on the intercooler.



### Step 14:

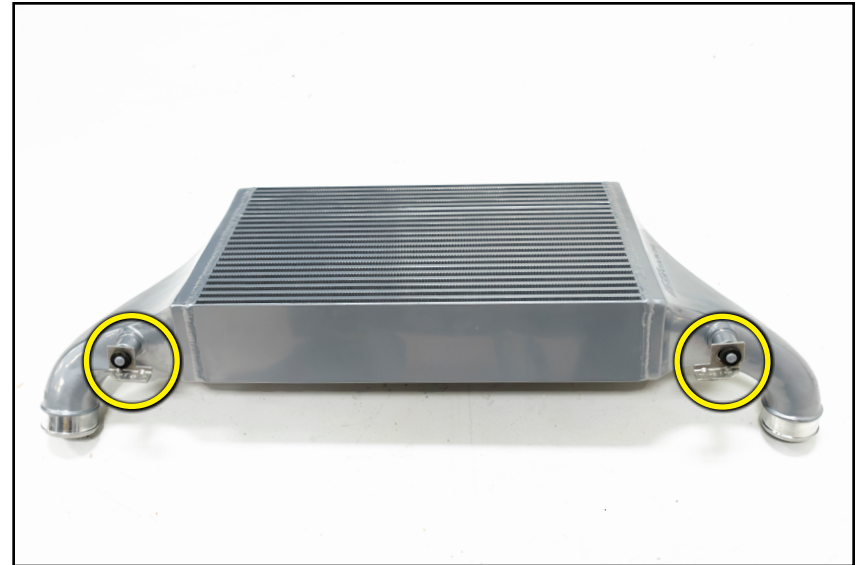
Pull the lower mounting brackets (circled in **RED**) free from the lower mounting posts on the intercooler.



## INSTALLING THE NEW INTERCOOLER KIT

### Step 1:

Transfer the lower mounting brackets (circled in **YELLOW**) to the lower mounting posts on the new intercooler, being sure to orient them exactly as they were before.



### Step 2:

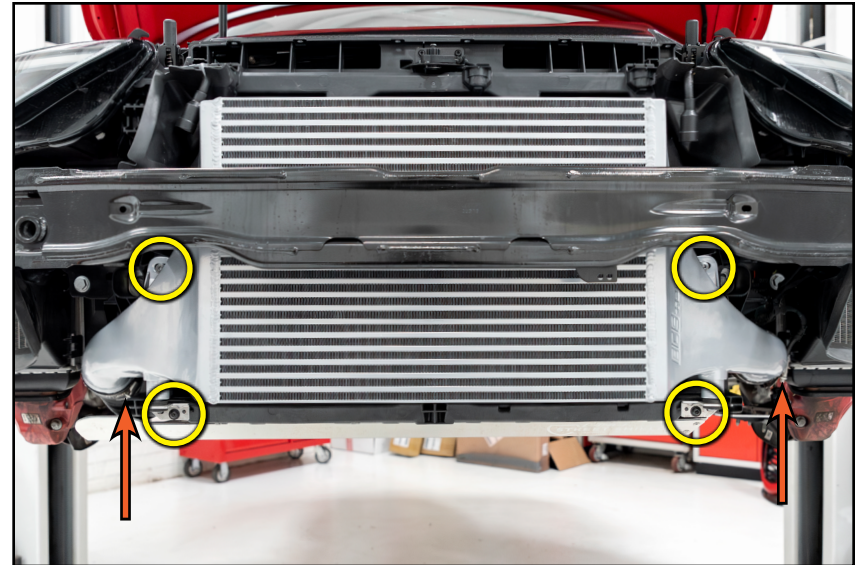
Transfer the upper mounting grommets (circled in **YELLOW**) to the upper mounting tabs on the new intercooler.



## INSTALLING THE NEW INTERCOOLER KIT

### Step 3: T30 Torx, 7mm Socket & Ratchet

Slide the new intercooler up into place behind the crash beam, then reinstall the four mounting screws (circled in **YELLOW**), tightening to 5 Nm (4 Ft-lbs). Slide the intercooler hoses onto the inlet and outlet of the new intercooler and tighten the clamps (arrows) until snug.



### Step 4:

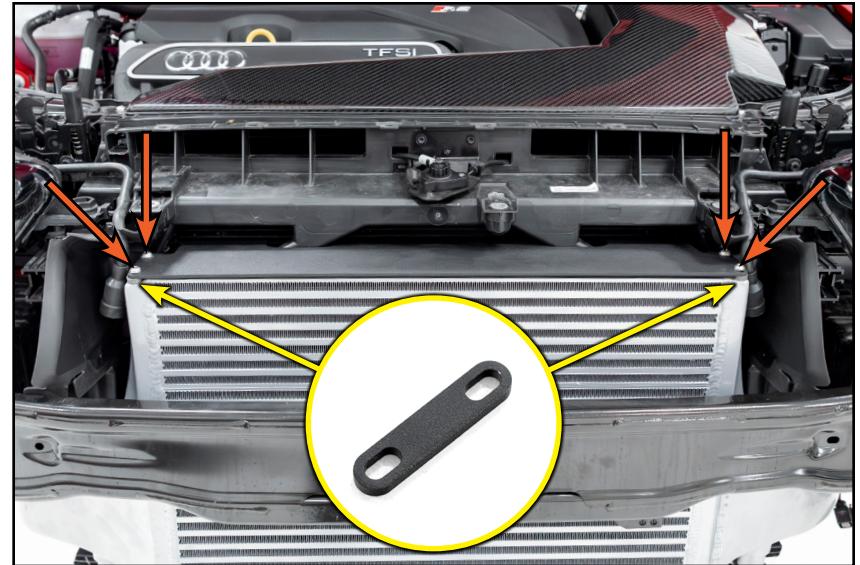
Apply the provided foam strips (highlighted in **GREEN**) to the underside of the upper air shroud as shown.



## INSTALLING THE NEW INTERCOOLER KIT

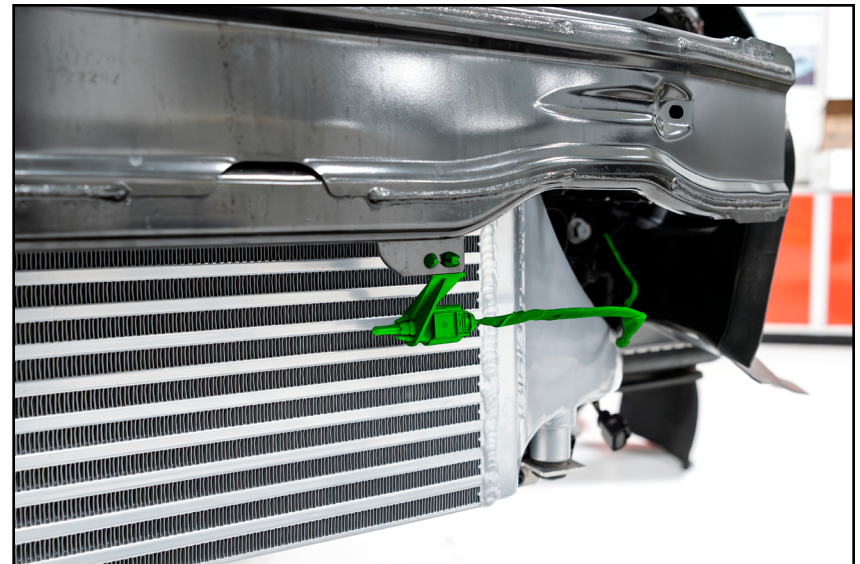
### Step 5: 4mm Hex (Allen) Socket & Ratchet

Slide the upper air shroud into place, then slide the provided spacers (inset photo) between the shroud and the intercooler before installing the provided M6 screws (arrows), tightening them until snug.



### Step 6: Pick Tool

Reinstall the ambient air temperature sensor and bracket (highlighted in **GREEN**).



## INSTALLING THE NEW INTERCOOLER KIT

**Step 7:** 10mm, T25, T30 Torx Socket & Ratchet

Reinstall the bumper and fender liners.



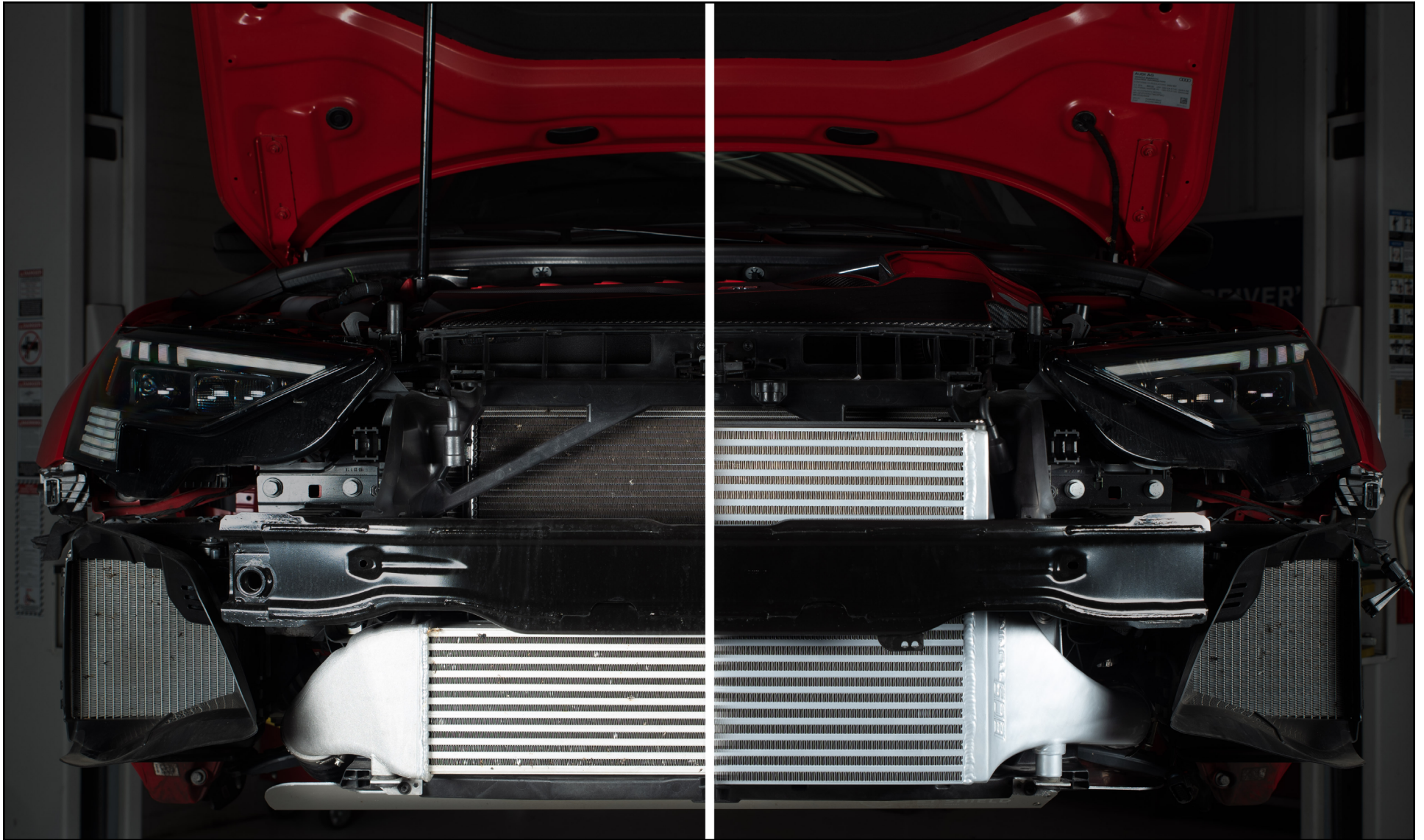
**Step 8:** 17mm Protecta-Socket & Torque Wrench

Reinstall the radiator shroud and hood release lever. Reinstall the wheels and torque the wheel bolts to 140 Nm (103 Ft-lbs).

***Congratulations, your installation is complete!***



## Your Intercooler Kit installation is complete!



### **These instructions are provided as a courtesy by ECS Tuning**

Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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