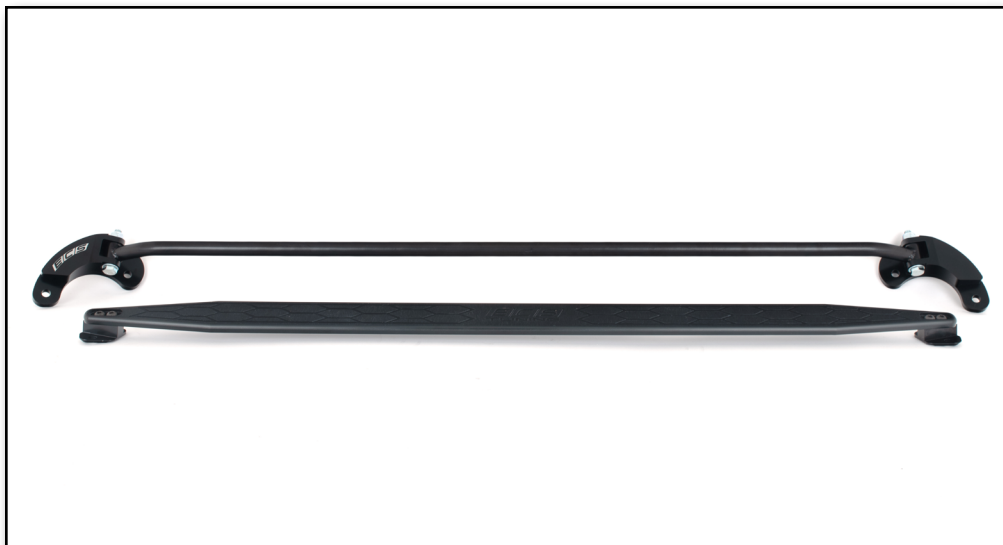




## VW MK7 Golf Front Strut Tower Bar Kit Installation Instructions - [Click HERE to Shop](#)



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

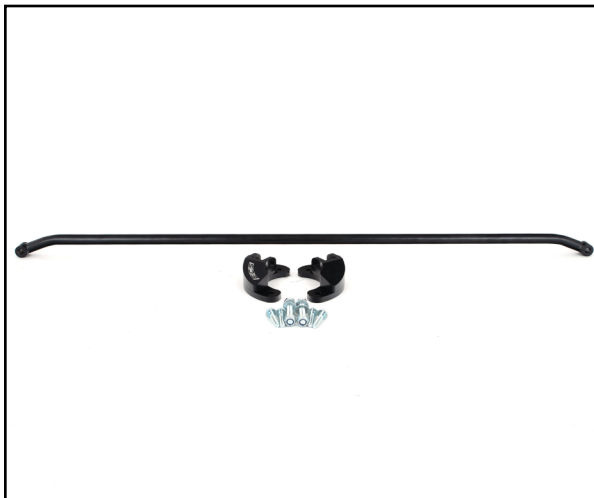


Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times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

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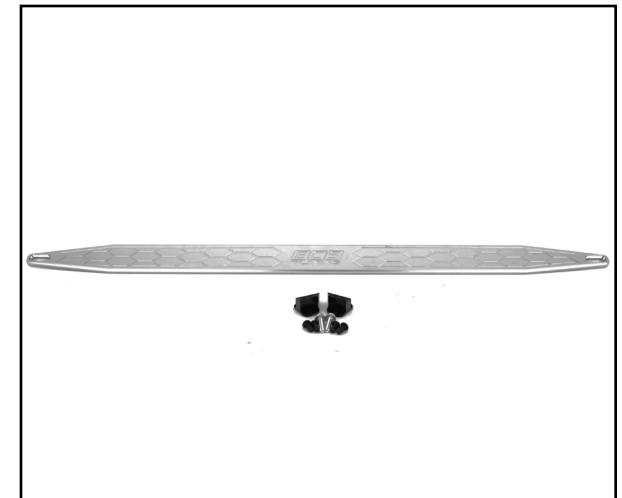
## AVAILABLE KITS



Stage 1 Strut Tower Bar



Stage 2 Strut Tower Bar - Black Anodized



Stage 2 Strut Tower Bar - Clear Anodized

## 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

- **Tin Snips -OR- Die Grinder**

## INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

## GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.



**NEVER** get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.



## INSTALLING THE STRUT TOWER BAR KIT

### Step 1: Flat Head Screwdriver

Pry the plastic caps (circled in **YELLOW**) free from the base of each wiper arm.



### Step 2: 13mm Socket & Ratchet

Remove the two nuts (circled in **YELLOW**) which secure the wiper arms in place.



## INSTALLING THE STRUT TOWER BAR KIT

### Step 3:

Mark the position of the wipers on the windshield using a piece of masking tape, then remove the wiper arms from the vehicle.

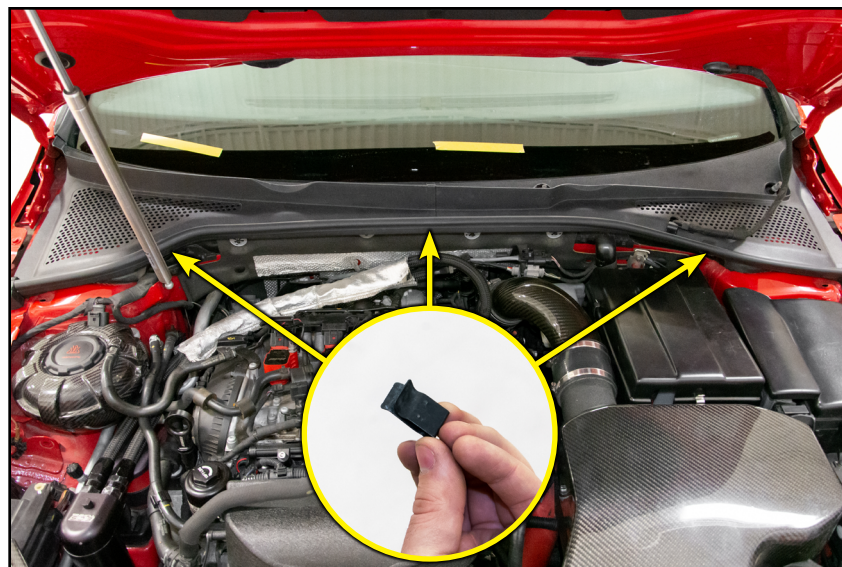


Our Schwaben wiper arm puller (available [HERE](#)) helps to quickly and easily pull the wiper arms without risking damage.



### Step 4:

Pull the rubber weather strip free from the wiper cowl, then pull the three clips free from the cowl (inset photo). Remove the wiper cowl and set them aside.

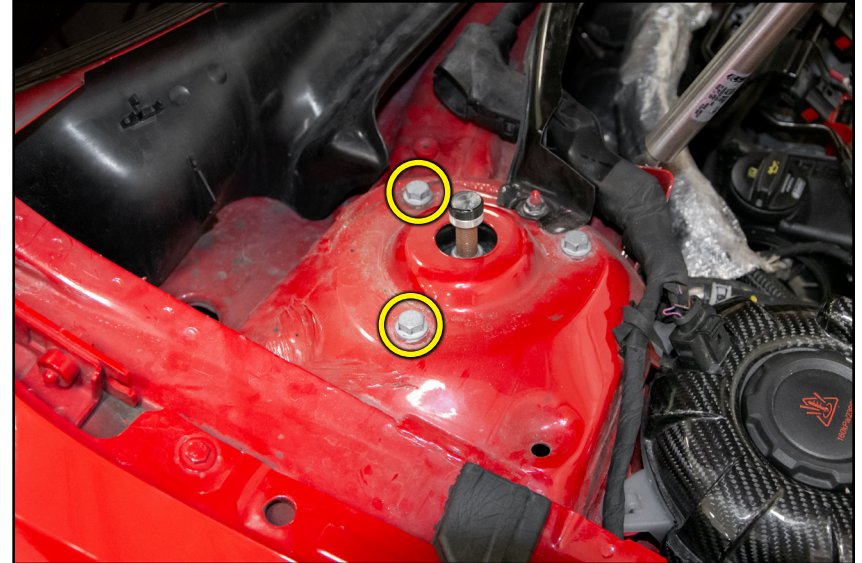




## INSTALLING THE STRUT TOWER BAR KIT

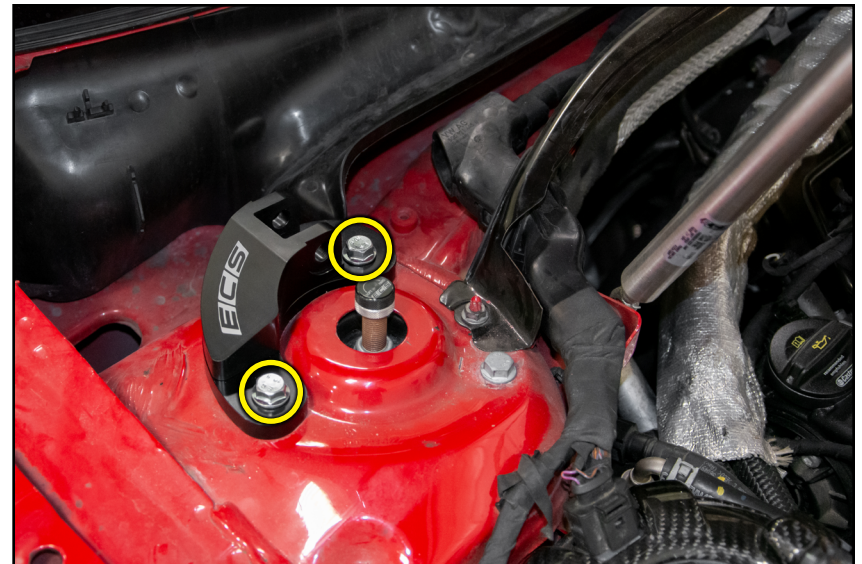
### Step 5: 13mm Socket & Ratchet

Remove the two rear-most strut mount bolts (circled in **YELLOW**) from each side.



### Step 6: 13mm Socket & Ratchet

Install the stage 1 bracket onto each strut tower, then loosely thread in the provided bolts (circled in **YELLOW**).



## INSTALLING THE STRUT TOWER BAR KIT

### Step 7: 18mm Wrench, 18mm Socket & Ratchet

Install the stage 1 bar between the two brackets using the provided hardware, tightening until fully snug. Go back and tighten the two strut mount bolts (arrows) to 35 Nm (26 Ft-lbs).

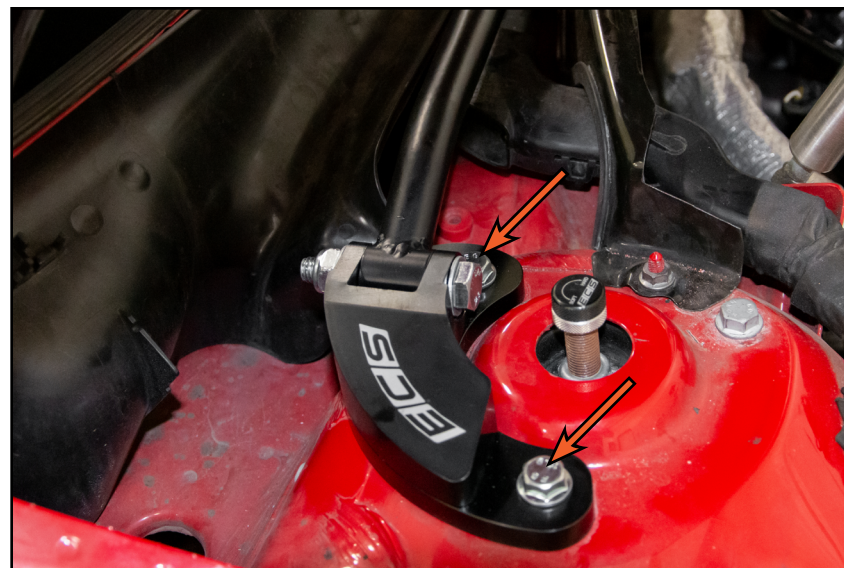


#### **If you only purchased the stage 1 kit:**

Reinstall the rain tray and wipers, then your installation is complete!

#### **If you purchased the stage 2 kit:**

Proceed to the next page to continue installation.

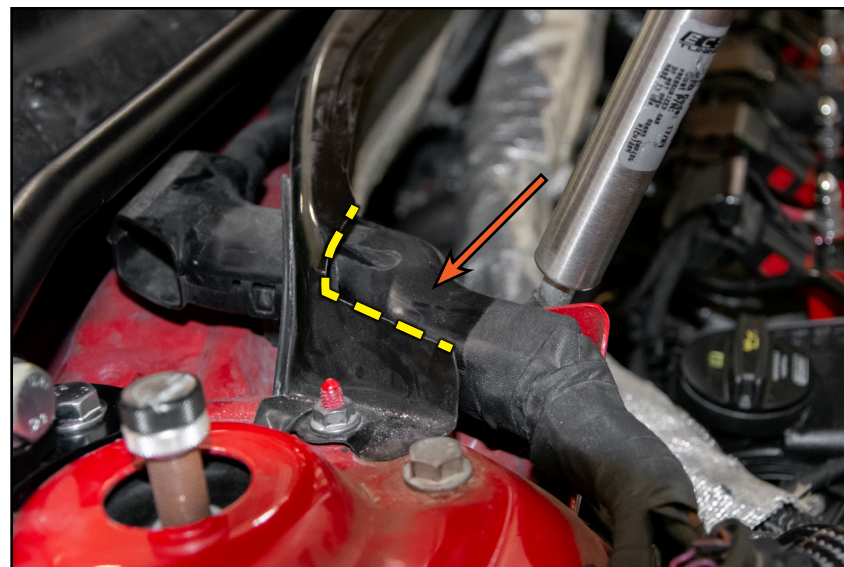


### Step 8: Tin Snips -OR- Die Grinder

Before the stage 2 bar can be installed, there is a thin piece of sheet metal that runs across the top of the firewall which must be trimmed slightly. Using tin snips or a die grinder, carefully notch out the sheet metal on either side as shown in the photo on the right.



**CAUTION:** Be careful not to damage the nearby wiring harness (arrow) while cutting.

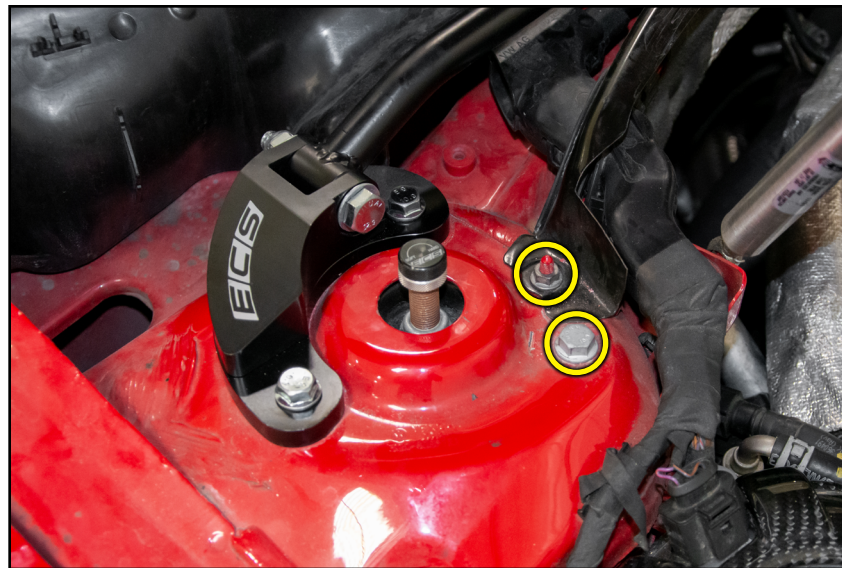




## INSTALLING THE STRUT TOWER BAR KIT

### Step 9: 10mm, 13mm Socket & Ratchet

Remove the front strut mount bolt and the 10mm nut (circled in **YELLOW**) from each strut tower and set them aside.



### Step 10: 10mm, 13mm Socket & Torque Wrench

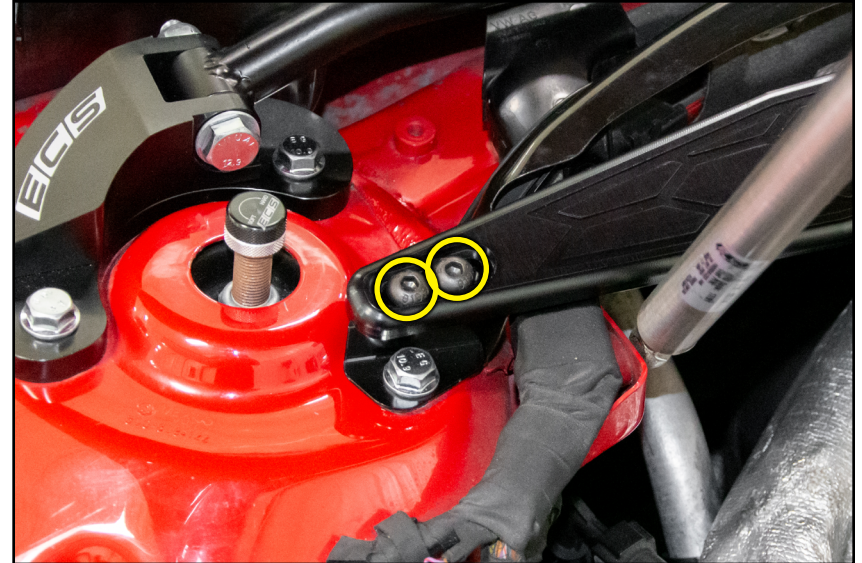
Install the stage 2 bracket onto each strut tower with the 10mm nut and the provided strut mount bolt (circled in **YELLOW**). Tighten the nut until snug, then torque the strut mount bolt to 35 Nm (26 Ft-lbs).



## INSTALLING THE STRUT TOWER BAR KIT

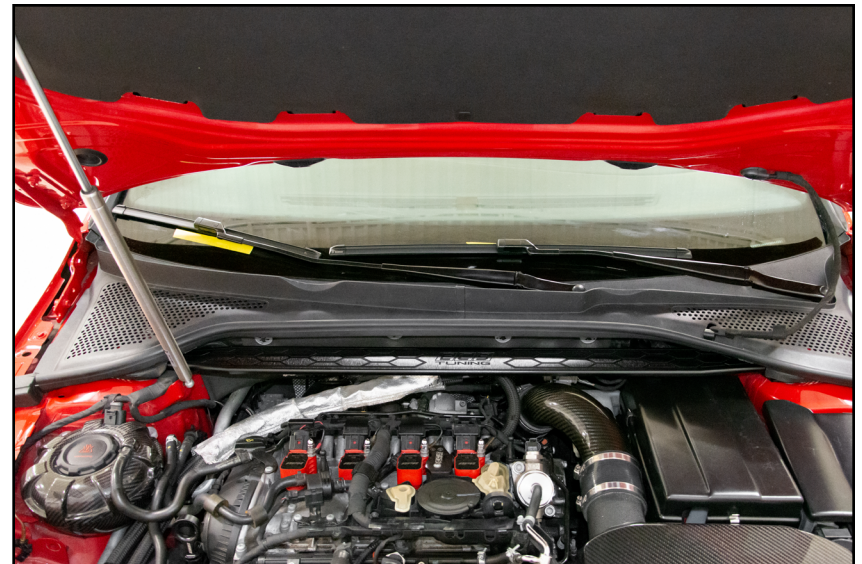
### Step 11: 5mm Hex (Allen)

Carefully lay the stage 2 bar into place, center it between the two strut towers, and secure it with the provided hardware (circled in **YELLOW**).



### Step 12:

Reinstall the rain tray and wipers.



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



## Your Front Strut Tower Bar installation is complete!



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

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