

Front Strut Brace, C8 Audi A6/S6/RS6/Allroad & A7/S7/RS7**034 MOTOR SPORT**

034Motorsport's Billet Aluminum Front Strut Brace for the C8 platform is designed to limit lateral deflection from the strut towers and improve handling performance without sacrificing ride quality or introducing any additional noise, vibration, or harshness into the cabin. By reinforcing the front strut towers, this strut brace helps to maintain proper suspension geometry under heavy cornering and provides consistent steering precision, ensuring a more connected driving experience.

Installation Spiciness Rating: MILD

Installation of your C8 Strut Brace is a relatively simple process that takes approximately sixty minutes to complete.

Supplied Parts:

- (1x) 034 Billet Cross Brace
- (1x) 034 Billet Left Brace
- (1x) 034 Billet Right Brace
- (8x) M8x25 Allen Bolt
- (2x) M8x16 Allen Bolt
- (2x) M8 Washer
- (2x) M6 Nyloc Nut & Washer
- (2x) M5x10 Allen Bolt & Washer
- (2x) Loop Clamp

Tools Needed:

- (2x) Hands **Opposable thumbs are required**
- T30 Torx Bit
- 4mm Allen Wrench
- 6mm Allen Wrench
- 10mm Socket/Wrench
- 13mm Socket/Wrench
- 16mm Socket/Wrench

Getting Started

Confirm you have received all the parts included with your purchase by reading the complete guide, if there are missing components, please contact:

techsupport@034motorsport.com

About This Guide

This Install Guide documents the installation process on a 2022 Audi RS6 4.0T. There may be minor differences depending on specific vehicle, market, options, etc.

S6 and S7 vehicles with the 48V system require additional steps which can be found at the end of this guide. Please read these steps before beginning the installation process.

Install Steps

Step 1

Open your hood to reveal the beautiful motor.



Step 2

Remove the engine cover and set it to the side.



Step 3

Remove the two (2) plastic covers on the wiper arm bases and remove the nuts with a 16mm socket/wrench.



Step 4

Using painter's tape or similar, mark either side of both wiper blades to indicate OE position.

**Step 5**

Firmly rock the wiper arm until it lifts off the splines, this can take significant force. A penetrant like Kroil may help.

**Step 6**

Remove the rubber weather seal from the cowl and set it to the side.

**Step 7**

Gently lift the cowl up and remove it from the engine bay, setting it to the side.



Step 8

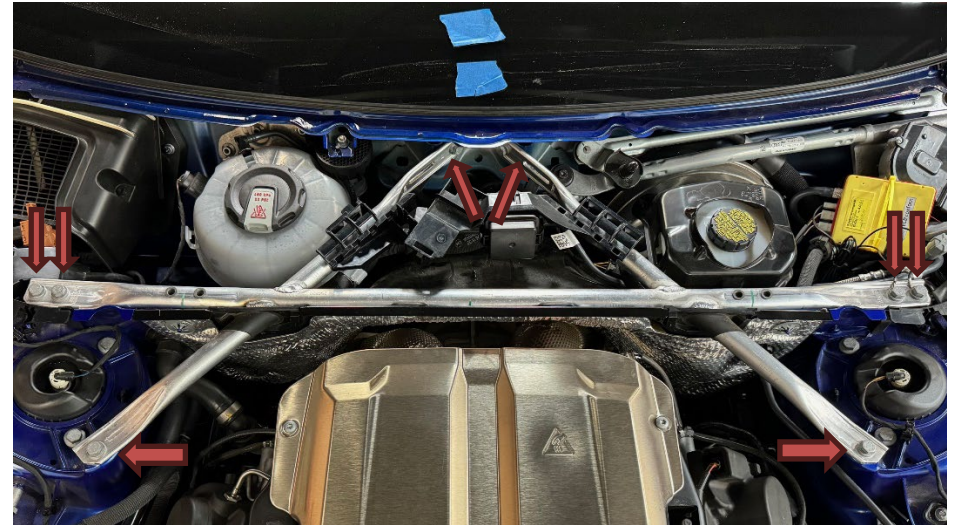
With the OE strut brace exposed, lift the black plastic bracket and rotate it out of the way.

**Step 9**

Using a T30 Torx, remove the two (2) screws securing the heat shielding to the false firewall.

**Step 10**

Using a 13mm socket/wrench, remove the eight (8) bolts securing the OE strut brace.

**Step 11**

Lift the OE strut brace up and out of the engine bay, being careful not to scratch anything. Remove the two (2) plastic and rubber trim pieces from the cross braces.

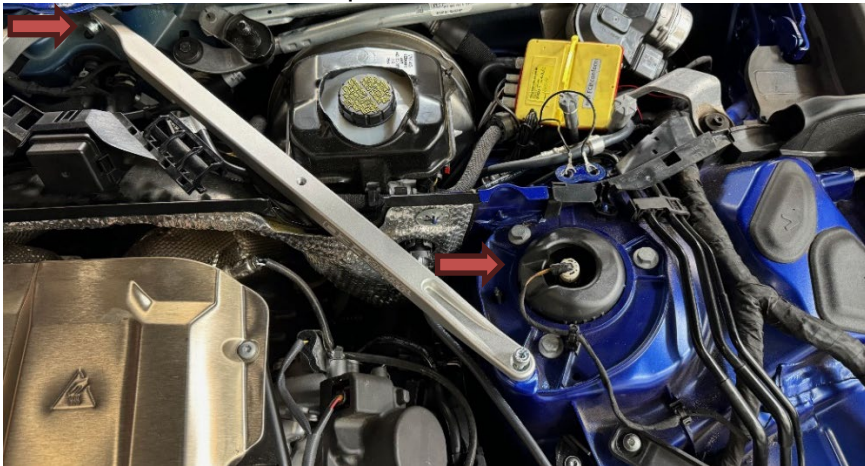


Step 12

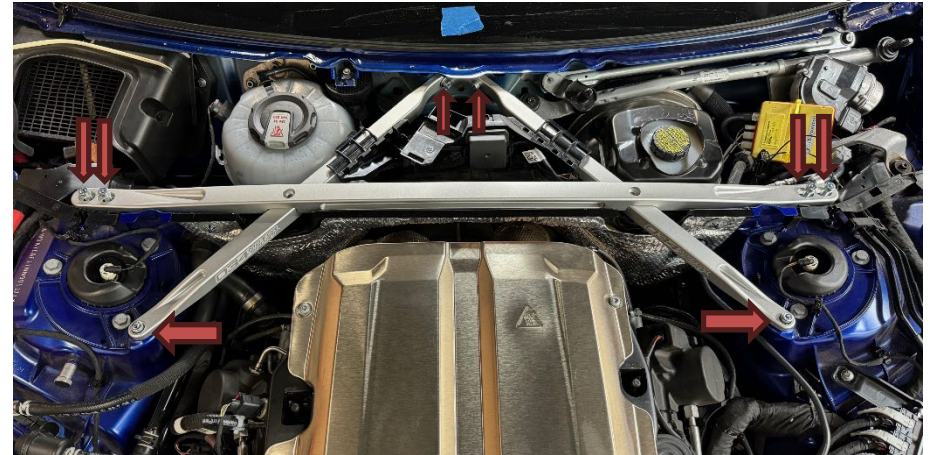
Install the left strut brace with both M8 bolts; make sure to slide the trim piece back over the brace. The backmost bolt uses the provided M8 washer.

**Step 13**

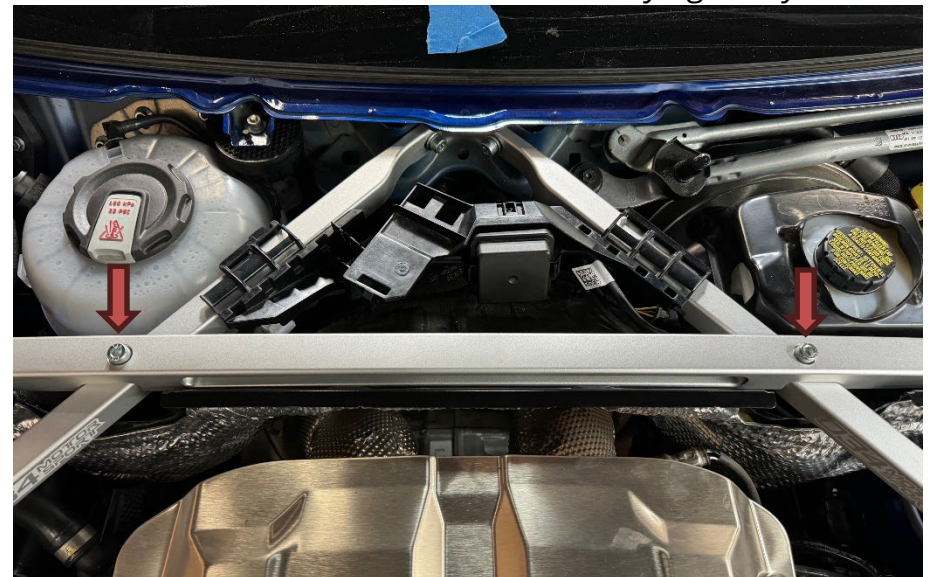
Install the right strut brace with both M8 bolts; make sure to slide the trim piece back over the brace. The backmost bolt uses the provided M8 washer.

**Step 14**

Install the cross bar carefully, being sure to not scratch the side members. Install the four (4) M8x25 bolts loosely.

**Step 15**

Maneuver the side and cross members into a position where the two (2) M8x16 bolts can be installed, securing the cross bar to the side members. Do not fully tighten yet.



Step 16

Working from front to back and left to right, torque all ten (10) M8 bolts to **25 Nm**.

**Step 17**

Reinstall the plastic cowl over the false firewall and gently push it down to clip it into place.

**Step 18**

Reinstall the rubbing weather stripping further securing the cowl to the false firewall.

**Step 19**

Reinstall the two wiper arms, clocking the splines so that the wiper blades sit between the tape marks from **Step 4**.

Step 21

Reinstall the two (2) nuts with a 16mm socket/wrench. Torque to **32 Nm**.

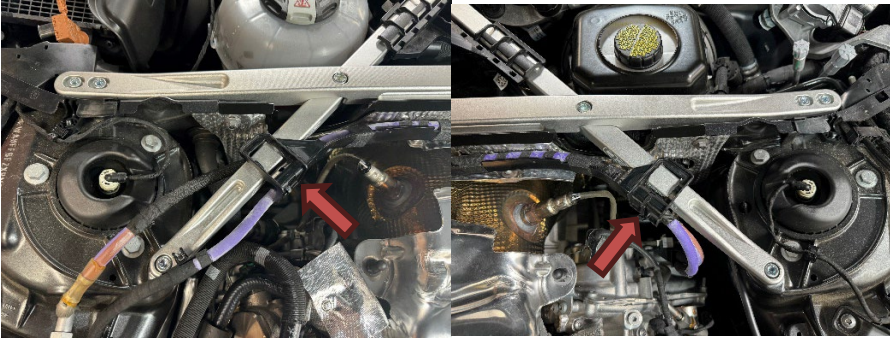
Step 22

Reinstall the engine cover and enjoy your new billet strut brace!



For S6 and S7 Vehicles with the 48V System**Step A**

Using a safety blade or cutting pliers, very carefully cut the zip tie securing the purple 48V cable to the plastic clamp.

**Step B**

Using a safety blade or by unraveling, remove the black harness tape securing the rest of the purple wire from the black support trim.

**Step C**

Remove the black trim piece from the 48V purple cable and set it aside, you will not be reusing this.

Step D

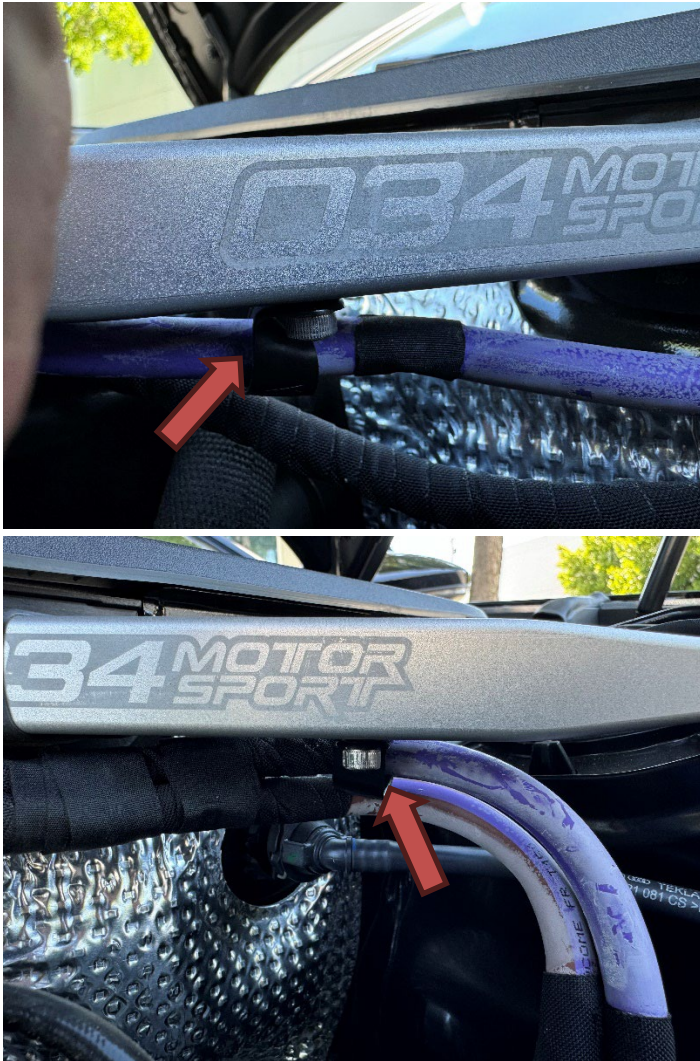
Reroute the purple 48V cable to the left side of the passenger strut brace. The factory retaining clip will line up with a ridge on the strut tower to hold it in place.

**Step D**

Reposition the purple cable, if necessary, to ensure there is no excessive tension on it.

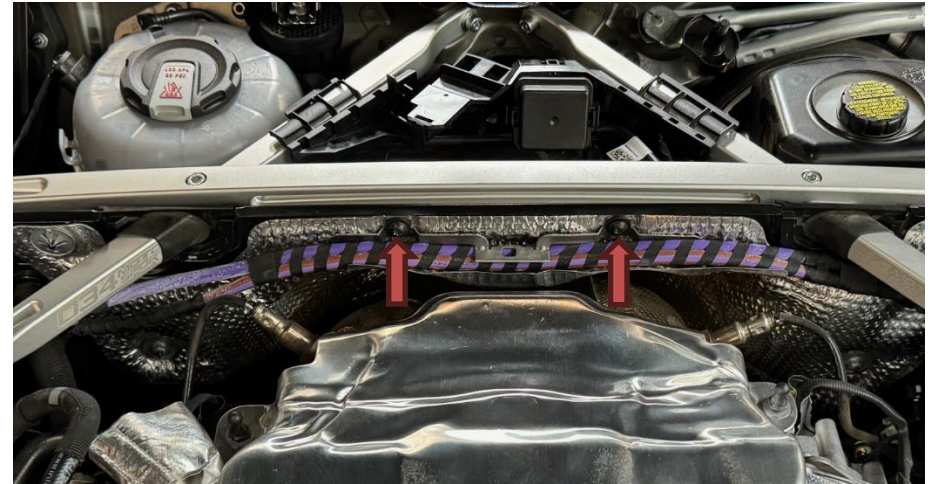
Step E

Using the provided clamp loops and M5 hardware, secure the purple cable to the M5 hole on the underside of the left and right strut braces.

**Step F**

Reinstall the metal heat shielding with the OEM T30 screws and the provided M6 nuts and washers, guide the 48V wire into the groove to support it.

This step is much easier if completed before installing the cross brace.

**Step G**

Refer to the standard steps to complete the installation.