## Billet B8 Strut Tower Brace

034Motorsport's Billet Strut Tower Brace for B8 Audi A4/S4/Allroad is the new standard in performance and durability. This brace was engineered with performance in mind, manufactured from billet aluminum for the optimum balance of strength vs. weight.

**PLEASE NOTE:** Installation of this brace will require drilling holes through your car (strut towers and forward firewall). These **cannot be undone!** Do not rush any of the following steps.

**Installation Spiciness Rating: THERMONUCLEAR**

Installation of your 034Motorsport Billet B8 Strut Tower Brace is a very involved install process that will take approximately **8 hours** to complete.

**Supplied Parts:**

- (1x) 034 Billet B8 Strut Tower Brace
- (2x) 034 Billet B8 Strut Tower Brace Cover Plates
- (1x) Strut Tower Brace Left Front Bracket
- (1x) Strut Tower Brace Right Front Bracket
- (1x) Strut Tower Brace Left Rear Bracket
- (1x) Strut Tower Brace Right Rear Bracket
- (1x) Strut Tower Brace Left Rear Bracket Washer Plate
- (4x) Transfer Punch Guides
- (1x) Transfer Punch
- (4x) M10 Socket Head Cap Screws
- (4x) M10 Flat Washers
- (7x) M8 Hex Head Bolts
- (7x) M8 Washers
- (5x) M8x20 Fender Washers
- (2x) M8x30 Fender Washers
- (8x) M8 Nylon Locking Nuts

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**Tools Needed:**

- 18mm Socket
- 16mm Socket
- 13mm Socket
- 10mm Allen bit
- 17mm Wrench
- 13mm Wrench
- Screwdriver
- Drill & drill bits
- Step drill
- Center punch
- Hammer
- Torque Wrench

About This Guide

This Install Guide documents the installation process on a 2013 B8.5 S4. The actual installation process for your vehicle may vary slightly by model, due to factory options, or because of existing aftermarket modifications you have installed.

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:
customerservice@034motorsport.com

## Install Steps

**Step 1**

Open your hood.

**Step 2**

Remove the rain tray cover.

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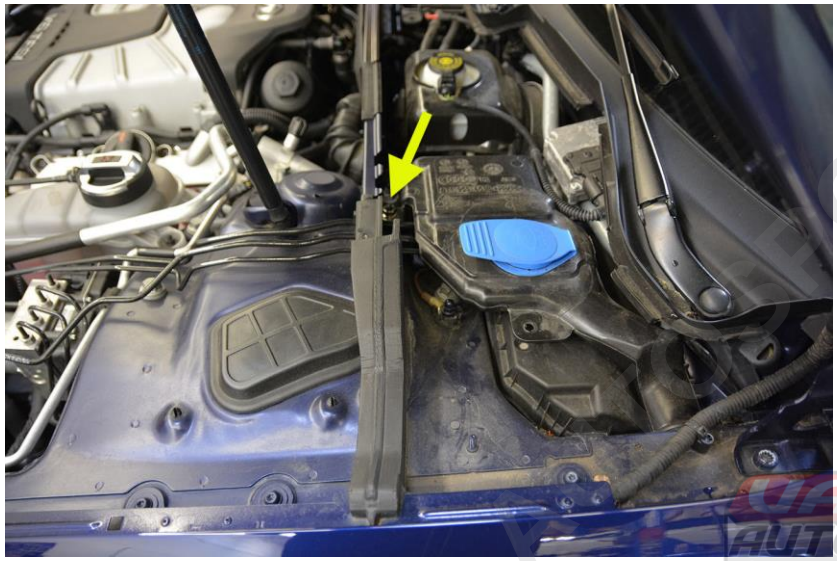
**Step 3**

Remove 13mm nut securing washer reservoir.

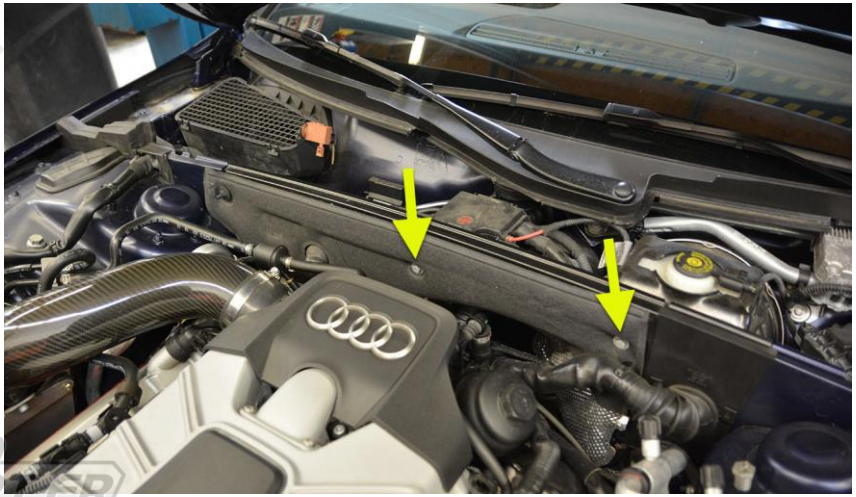


**Step 4**

Remove washer reservoir.

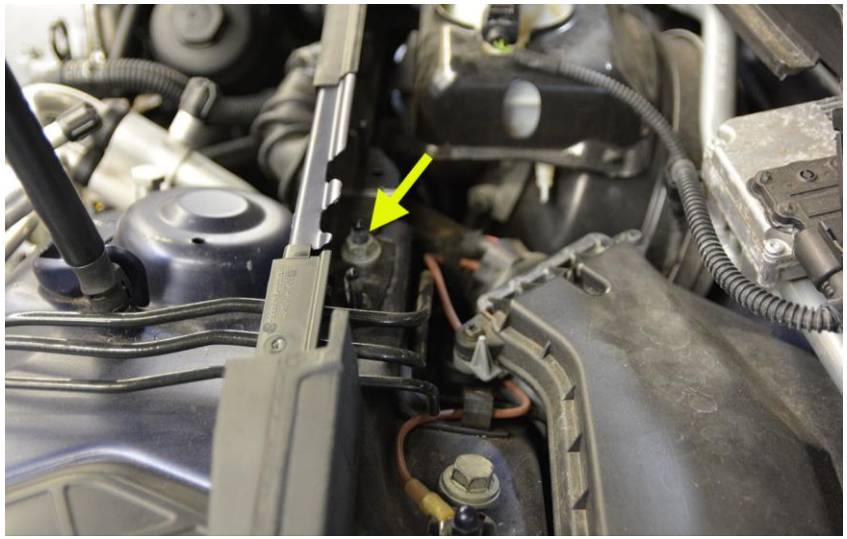
**Step 5**

Remove two M6 bolts securing cross brace to forward firewall.



**Step 6**

Remove 13mm nut on driver side of cross brace.



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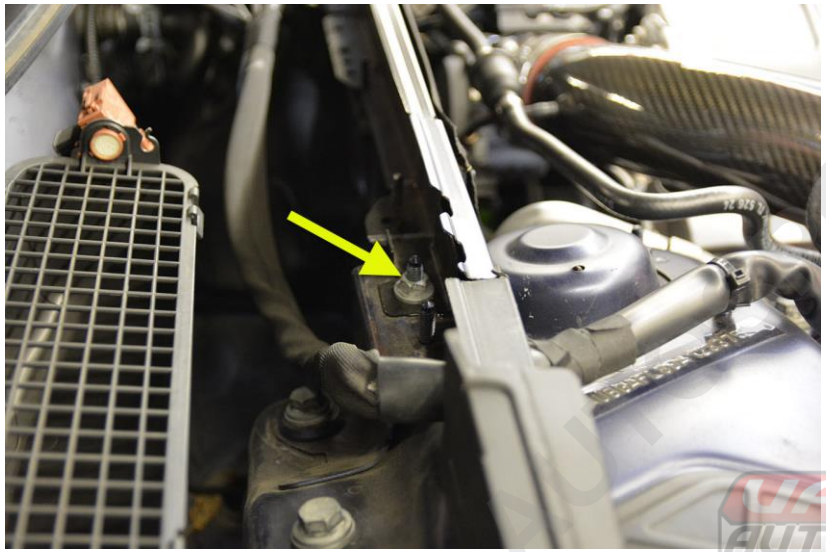
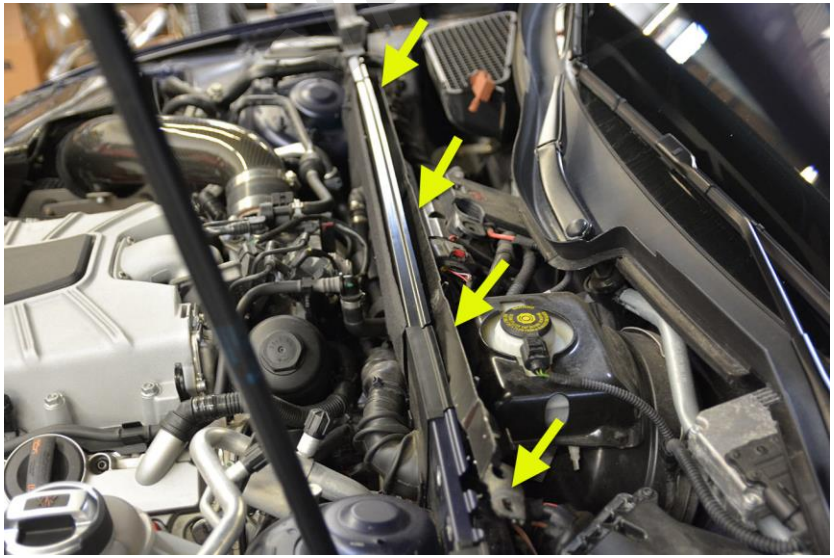
**Step 7**

Remove 13mm nut on passenger side of cross brace.



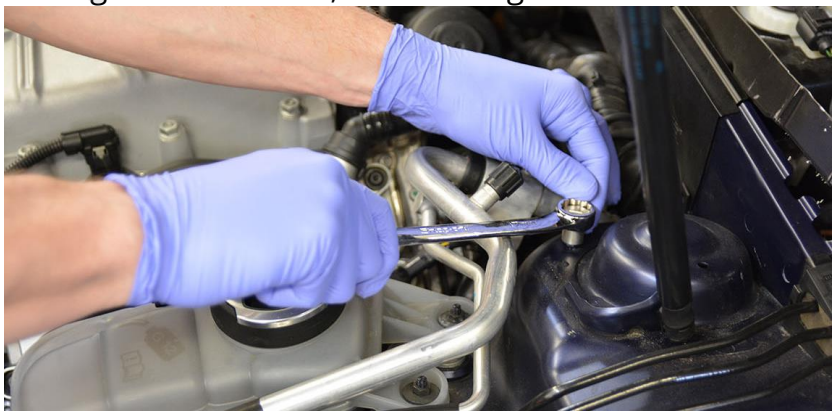
**Step 8**

Lift cross brace off mounting points.



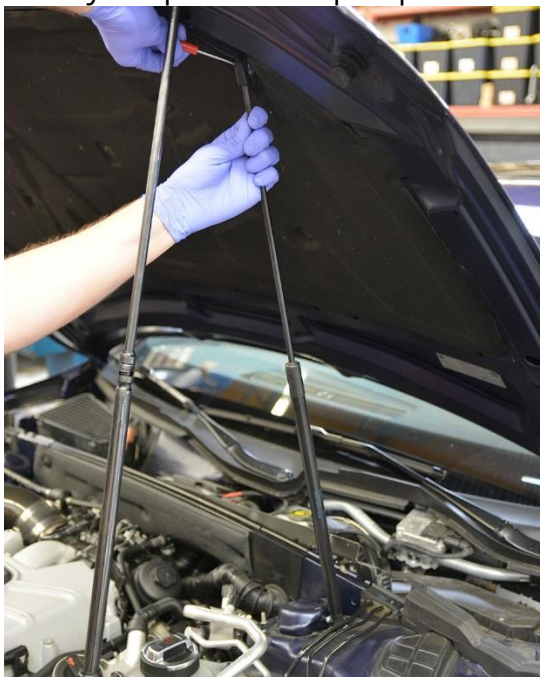
**Step 9**

Using 17mm wrench, remove negative terminal stud.



**Step 10**

Remove hood shock. Use suitable temporary prop rod to safely keep hood in open position.



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**Step 11**

Place driver side (right) front bracket into place.

**Step 12**

Place passenger side (left) front bracket into place.

**Step 13**

Place cross bar into place and install cover plates. Cross bar should be snug against the firewall.

**Step 14**

Using a center punch and hammer, mark the centers of the bracket mounting holes on the strut towers (both sides).

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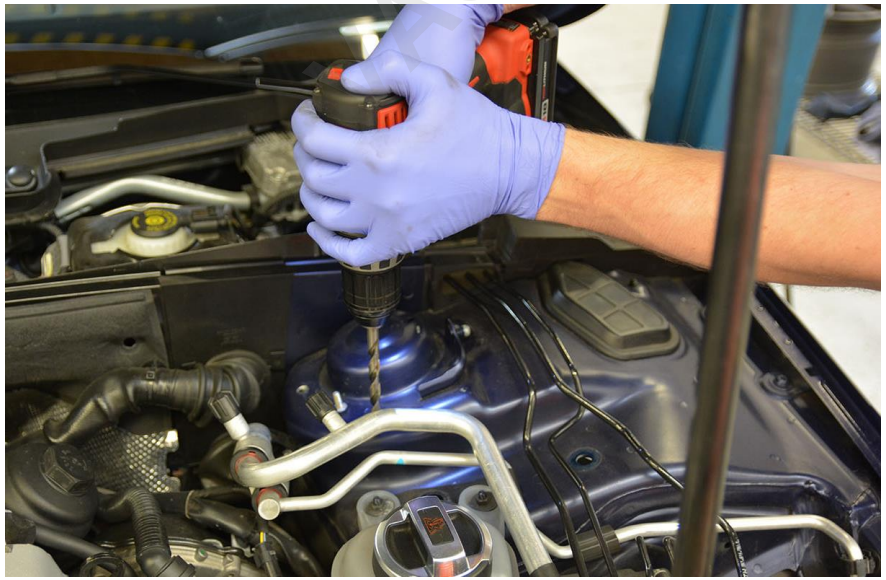
**Step 15**

Remove upper control arms and carriers from both sides.

**Step 16**

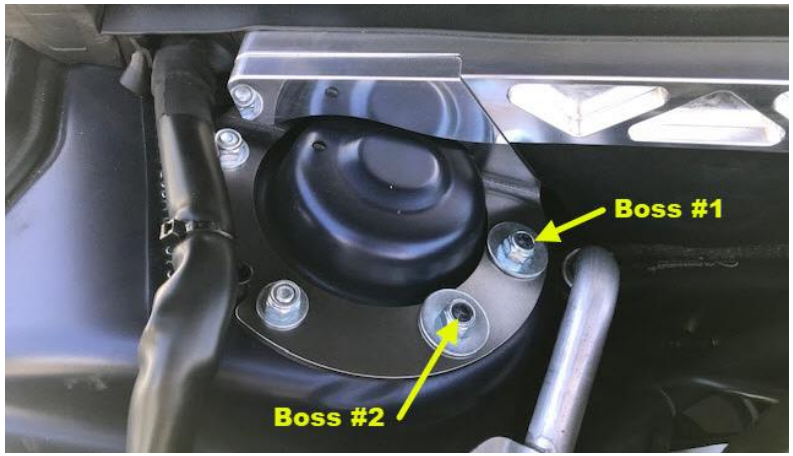
Remove cross member and brackets. Drill 9.5mm holes (3/8”) at locations marked in Step 14.



**Step 17**

Reinstall brackets and attach to the strut towers with M8 bolts (from below), washers, and lock nuts. Leave loose.

*Some vehicles (S5’s, late B8.5 S4’s) do not have these treaded bosses on the right hand side strut tower. In this situation an additional hole (or two) will need to be drilled. If you are missing these bosses, an additional hole at Boss #1 is required. Doing so at Boss #2 is optional. Additional M8 bolts are included in the kit for this situation*

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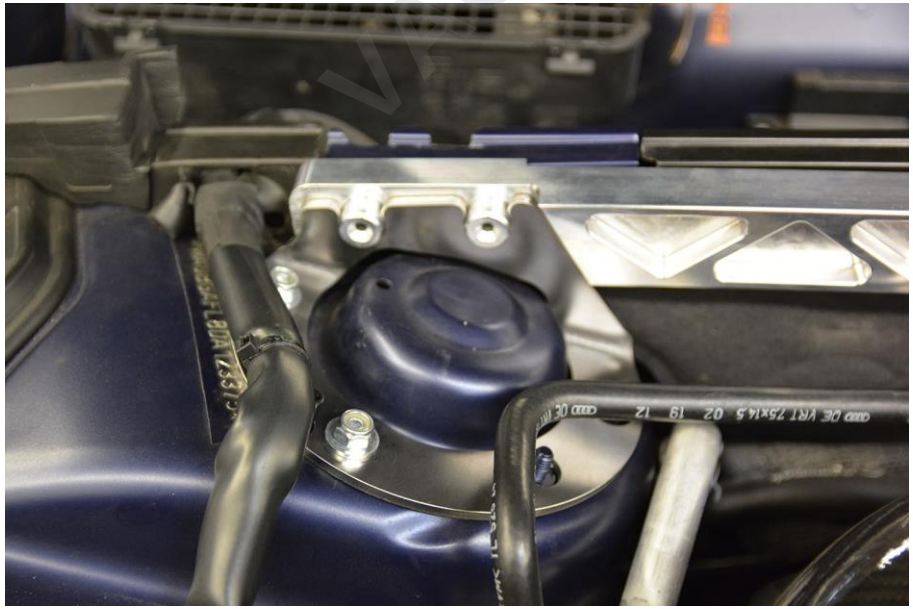
**Step 18**

Install cross member and locate with transfer punch guides.



**Step 19**

Using the supplied transfer punch, insert into the transfer punch guides and strike with a hammer. Repeat for each guide.

**Step 20**

Remove center brace and brackets. Drill small holes at each transfer punch mark.

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**Step 21**

Use a step drill to enlarge hole to ~12mm. Hold factory brace up out of the way while drilling.

**Step 22**

Install brackets (do not fully tighten nuts/bolts). Install cross brace and end cover plates. Check alignment of holes drilled through front firewall and threaded holes cover plates. Adjust hole size if necessary.

Install the rear brackets.

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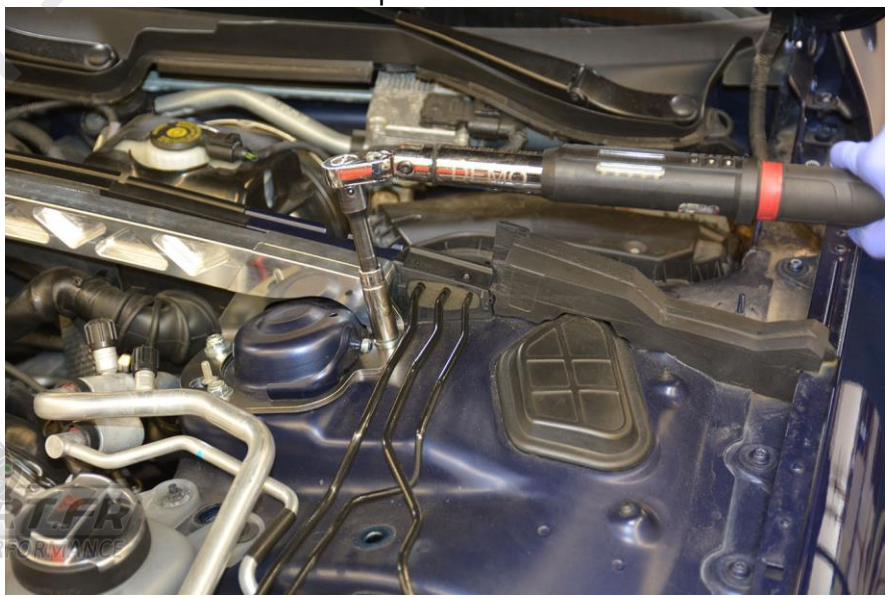
Put factory cross brace back into position. Install washer plate between right rear bracket and factory cross brace.

**Step 25**

Install M10 socket-head bolts and washers through rear brackets, front firewall, and into 034Motorsport strut brace. Torque to **60Nm.**

**Step 26**

Tighten M8 hardware at front brackets/strut tower. Torque to **25Nm.**



**Step 27**

Reinstall upper control arms and carriers.

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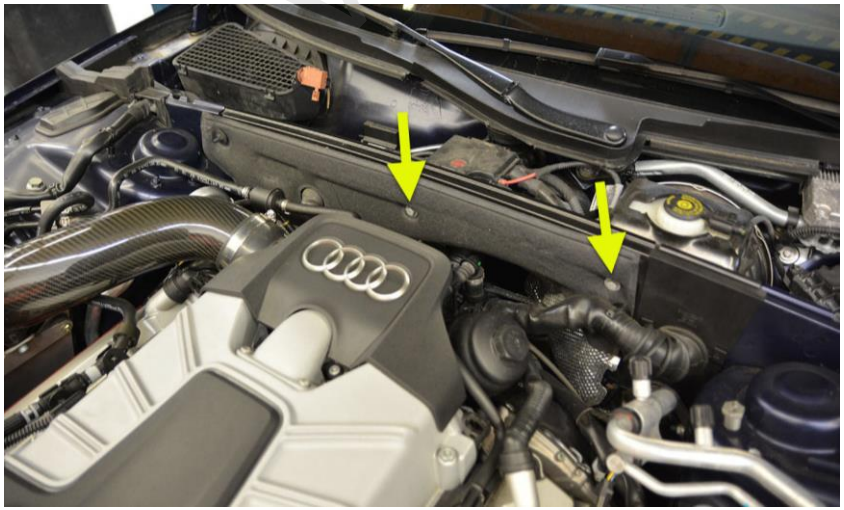
**Step 28**

Reinstall washer reservoir.

**Step 29**

Install 13mm nuts at factory cross member ends - including one new supplied nut at passenger (right) side. Torque to 18NM. Reinstall two M6 bolts removed in Step 5.



**Step 30**

Reinstall negative terminal stud. Make sure to reconnect any wiring that was connected to it.

**Step 31**

Enjoy a tighter chassis, and the added beauty to your engine bay!

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