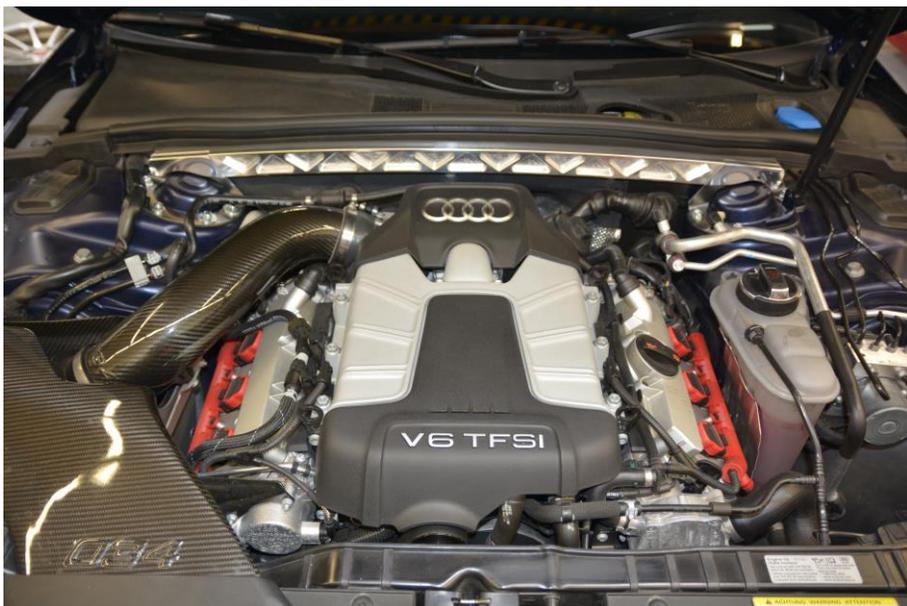


Billet Strut Tower Brace, B8/B8.5



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.

Installation Spiciness Rating



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

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

Supplied Parts:

- 1x 034Motorsport Billet B8 Strut Tower Brace
- 1x 034Motorsport 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
- 5x M8 Hex Head Bolts
- 6x M8 Washers
- 7x M8 Fender Washers
- 8x M8 Nyloc Nuts

Tools Needed:

- Ratchet, Torque Wrench, Screwdriver
- Drill, drill bits, step drill
- Sockets – 18mm, 16mm, 13mm, 10mm Allen
- Wrenches – 13mm, 17mm
- Center punch
- Hammer
- Thumbs

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

- Ensure you have all parts and tools required for installation by reading the complete Install Guide.
- Raise your vehicle securely using a lift or safely raise your vehicle with a jack and support with jack-stands.

Step 1

Open hood.



Step 2

Remove rain tray cover.



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.



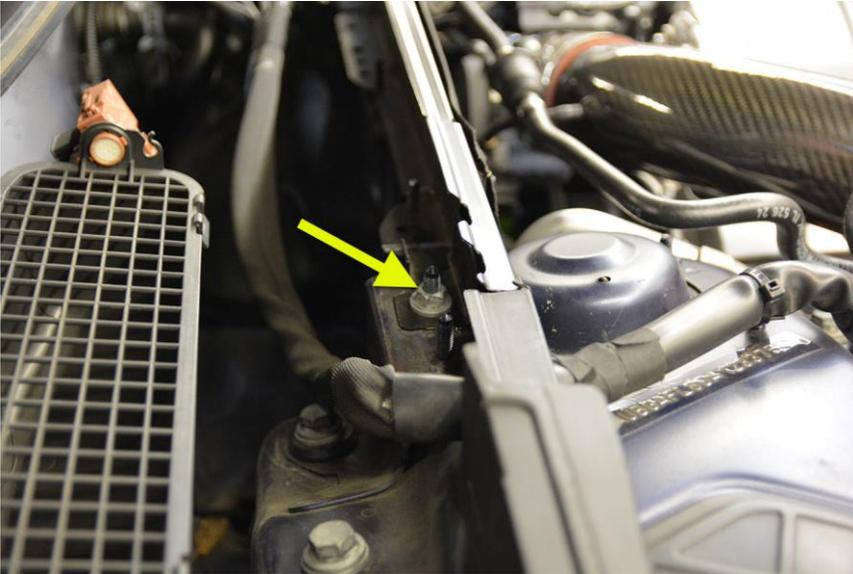
Step 6

Remove 13mm nut on driver side of cross brace.



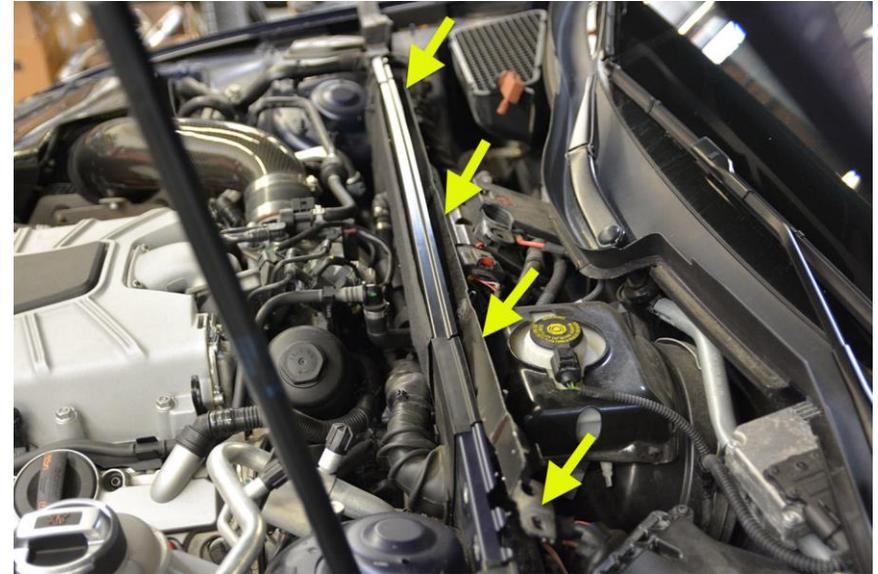
Step 7

Remove 13mm nut on passenger side of cross brace.



Step 8

Lift cross brace off of mounting points.



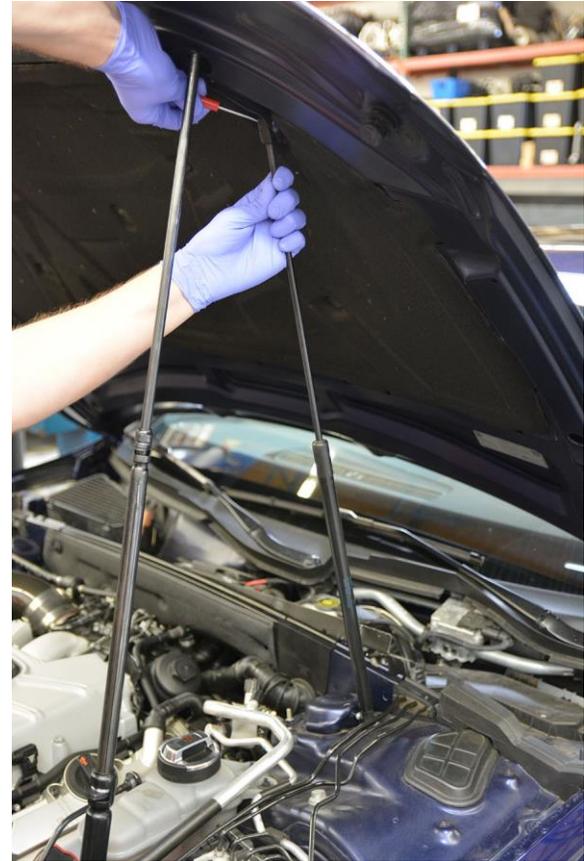
Step 9

Using 17mm wrench, remove negative terminal stud.



Step 10

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



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).



Step 15

Remove upper control arms and carriers (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 strut towers with M8 bolts (from below), washers, and lock nuts. Leave a little loose.



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.



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.



Step 23

Install rear brackets.



Step 24

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.



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!

