



# Dodge/Chrysler Strut Tower Cross Link Brace

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## INSTALLATION MANUAL: 2005-2009 2.7L, 5.7L & 6.1L Dodge Charger, Challenger, Magnum, and Chrysler 300C

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Techco Supercharged

6.1L/SRT8

5.7L/2.7L SE



**IF YOU ARE NOT EXPERIENCED IN THE AREA OF  
AUTOMOTIVE MECHANICS, WE STRONGLY ENCOURAGE  
YOU TO SEEK A CERTIFIED INSTALLATION CENTER OR  
AUTOMOTIVE MECHANIC FOR THE INSTALLATION OF  
THIS PRODUCT**



**Dodge/Chrysler Strut Tower Cross Link Brace  
Installation Manual for the 2005-2009 5.7L & 6.1L Dodge Charger, Challenger, Magnum, and  
Chrysler 300C Cross Link Brace**

We here at Techco would like to thank you for your purchase of the Dodge/Chrysler Strut Tower Cross Link Brace for the 2005-2009 Dodge Charger, Challenger, Magnum, and Chrysler 300C with a 2.7L, 5.7L or 6.1L Engine. A lot of passion goes into each one of our products and we appreciate your business and hope you thoroughly enjoy your purchase.

For your benefit please read this manual completely through before you start any work in order to familiarize yourself with the installation process of your Strut Tower Cross Link Brace. Once you have read the installation manual please proceed to follow these step by step instructions for a fully functional product. Most of the questions that may come up should be answered in this manual; however, more questions may arise so please do not hesitate to call Techco at (714) 408-9550 and speak with one of our experienced technical support staff. We want you to enjoy our products; so, we have trouble, with you having trouble.

NOTE: Please retain all hardware removed from the vehicle tear down process. Much of it will be reused during the installation phase of your new Techco product.

Please use caution during the installation of your product and please remember to use caution during the lifting and lowering of your vehicle as well as when your vehicle is in the air. If the vehicle is not properly placed on jack stands or on a lift serious injuries can occur. If for any reason you are unsure of what you are doing, stop and refer to this installation manual, call your local service center or the Techco facility directly.

Again, thank you for choosing Techco and we hope your enjoy your product!

## Recommended Tools To Be Used For The Installation Of The **Dodge/Chrysler Strut Tower Cross Link Brace**

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- 13mm 3/8" Drive Socket (or wrench)
- 17mm 3/8" Drive Socket (or wrench)
- 3/8" Drive 6mm Allen Key Drive Bit
- 3/8" Drive 8mm Allen Key Drive Bit
- 3/8" Drive Ratchet (X2 if not using wrenches)
- Power Drill
- 6mm (1/4") Drill Bit
- 11mm (7/16") Drill Bit
- Masking Tape
- 3/8" Drive Torque Wrench
- 3/8" Drive Extension (12" Long)

1. Remove *Strut Tower Caps*. **(See Photo 1)**
2. Remove three *13mm Flange Nuts* from the top of each *Strut Tower*. **(See Photo 2)**
3. Place *Bases* on top of each *Strut Tower* and loosely fasten *13mm Flange Nuts*. **(See Photo 3)**
4. **Note:** *13mm Flange Nuts* must be loosely fastened to allow slight *Base* movement for proper fitment of the *Strut Tower Brace*.
5. Due to individual variance in the orientation of the *Transmission Fluid Filler Neck*, it may need to be adjusted slightly to avoid contact with the passenger side *Base*. If the *Transmission Fluid Filler Neck* is near the *Base*, remove its cap and put a *3/8" Drive Extension (12" Long)* down the neck. Gently pry the neck away from the *Base* until they are at least 1" apart. **(See Photo 4)**

**Notes:** Be very careful not to drop your *3/8" Drive Extension (12" Long)* down the *Transmission Fluid Filler Neck*.

Models with an engine cover may need the cover removed to facilitate bending of the *Transmission Fluid Filler Neck*. When putting the engine cover back on make sure it is properly seated and pushed down fully to ensure the *Techco Strut Tower Cross Link Brace* will fit above it.

6. Attach one side of the *Strut Tower Brace* to one *Base* using one *120mm M8 Bolt*, two *M8 Washers*, and one *M8 Nylock Nut*. **(See Photo 5 & 6)**
7. Repeat Step 4 on the second *Base*.
8. Tape *Brackets* behind each *Boss*. Push *Bases* so the *Bosses* are touching the *Brackets*. **(See Photo 7)**
9. Tighten *13mm Flange Nuts*.
10. Through the *Bosses*, mark the center of the hole on the *Chassis Brace*. **(See Photo 7)**

**Note:** Ensure both *Bosses* are at an equal height on the *Chassis Brace*.

11. Remove the *Strut Tower Brace* and the two *Bases*.
12. Using a *Power Drill* and *6mm Drill Bit* (or *1/4" bit*), drill straight through both sides of the *Chassis Brace*. **(See Photo 8)**  
**Note:** It is important that the holes drilled through the *Chassis Brace* are parallel to the *boss*, allowing the *85mm M10 Bolts* to pass through without interference.
13. Using a *Power Drill* and *11mm Drill Bit* (or *7/16" bit*), drill straight through both sides of the *Chassis Brace*, widening the holes made in Step 10. **(See Photo 8)**
14. Reattach *Bases* and *Strut Tower Brace* to the *Strut Towers* following steps 2-5. Ensure that the *Bosses* are in the same place as they were previously. Using the *13mm Socket* and *6mm Allen Key Bit*, tighten both *120mm M8 Bolts* to 30 ft-lbs.

15. Attach one *Boss* and *Bracket* to the *Chassis Brace* using one *85mm M10 Bolt*, two *M10 Washers*, and one *M10 Nylock Nut*. Using the *17mm Socket* and *8mm Allen Key Bit*, tighten both *85mm M10 Bolt* to 50 ft-lbs.
16. Repeat Step 13 on the second *Base* and *Bracket*.
17. Tighten all six *13mm Flange Nuts*
18. It is recommended you check the torque on both *85mm M10 Bolts* and both *120mm M8 Bolts* after driving with the *Techco Strut Tower Cross Link Brace* installed.



Image 1

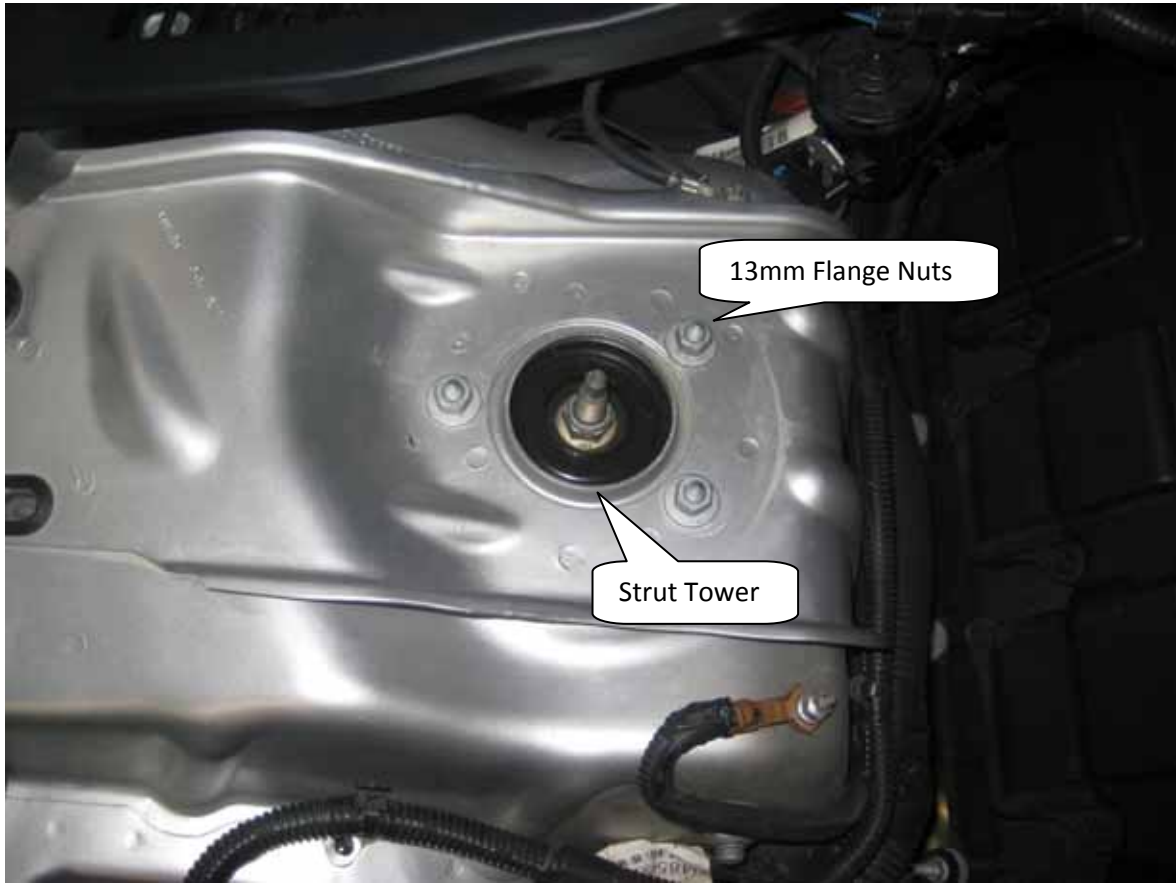


Image 2

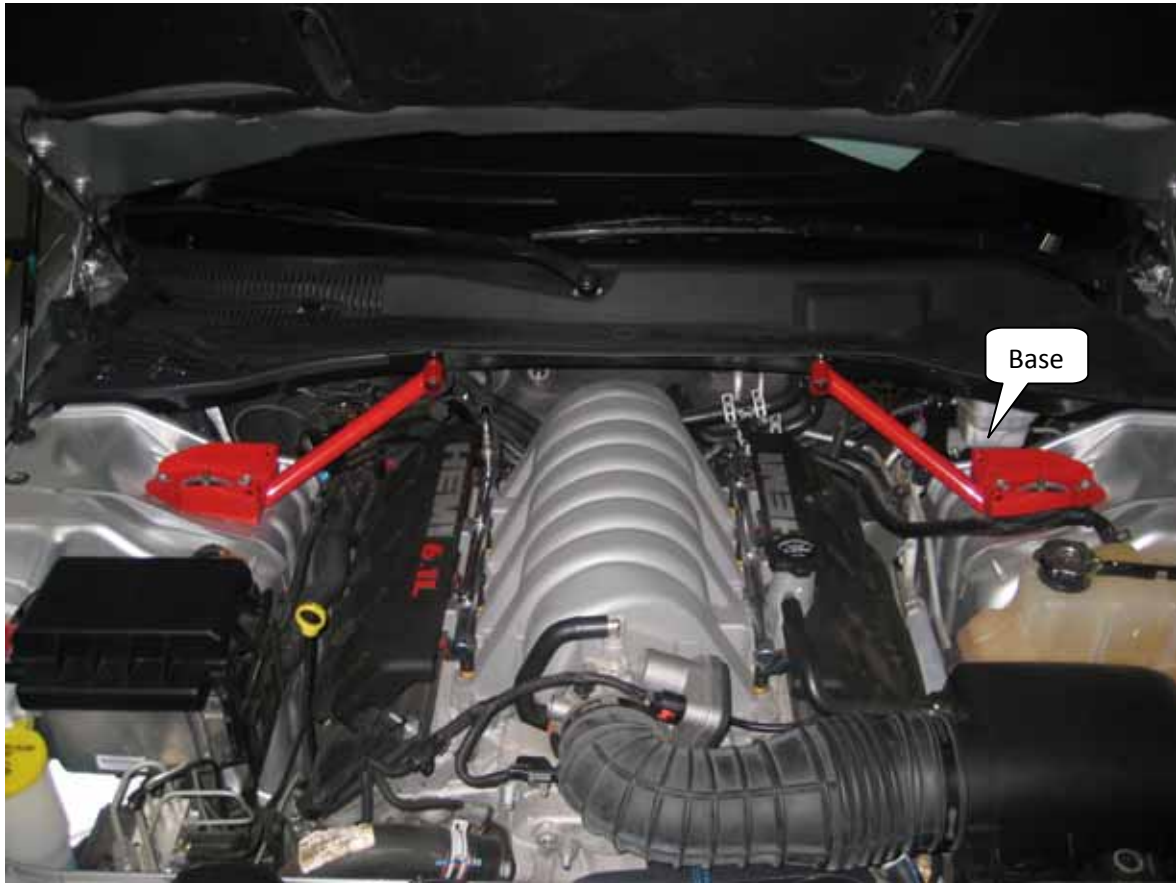


Image 3



Image 4





Image 5



Image 6



Image 7



Image 8



Image 9: *Techco Strut Tower Cross Link Brace on Dodge Charger SRT8*



Image 10: *Techco Strut Tower Cross Link Brace on Dodge Charger R/T*