

HOTCHKIS SPORT SUSPENSION

Anti-roll bar set

22101 – Chrysler Magnum, Charger, 300C, SRT-8

22107 – Dodge Challenger



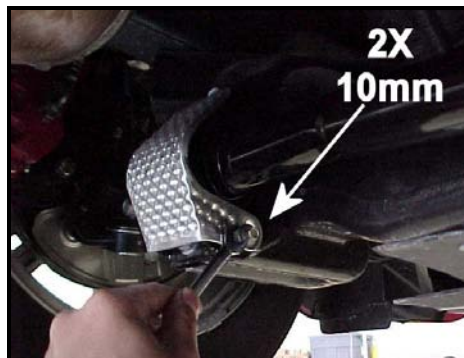
Warning: This installation should be performed by a trained professional. The installation requires lowering of the rear cradle from the vehicle for swaybar removal and reinstallation.

Tools Required for this Installation

- Hydraulic jack, jack stands, torque wrench (4 post lift or alignment rack preferable)
- The following sockets or wrenches: 10mm, 13mm, 15mm, 16mm, 18mm, 21mm

INSTALLATION OF HOTCHKIS FRONT SWAY BAR

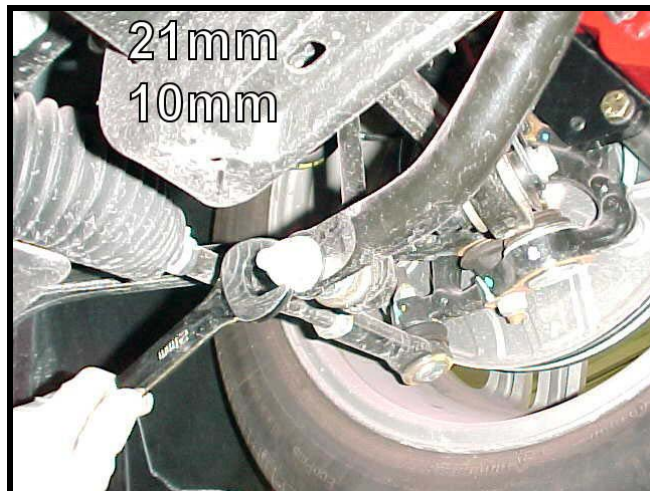
- 1) Secure the rear wheels with blocks and jack the front up. Support the front of the vehicle with jack stands on the frame. Observe the stock sway bar orientation and position for reference.
Note: If you are using a 4 post lift or alignment rack, you do not have to jack the front up.
- 2) Remove the heat shields that cover the subframe mounts using a 10mm wrench or socket.



- 3) Remove the subframe mounts by unbolting 2 bolts per mount using a 15mm socket. The Sway bar should be hanging by it's endlinks at this point. Retain all hardware and brackets for reinstallation.



- 4) Detach the endlinks from the sway bar using a 21mm wrench and a 10mm wrench.

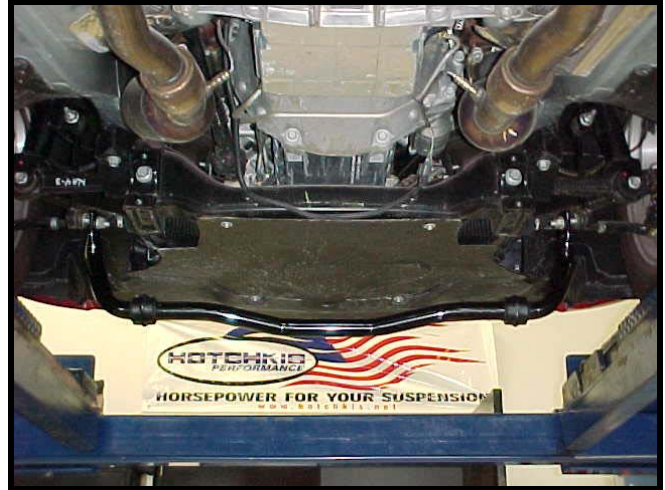
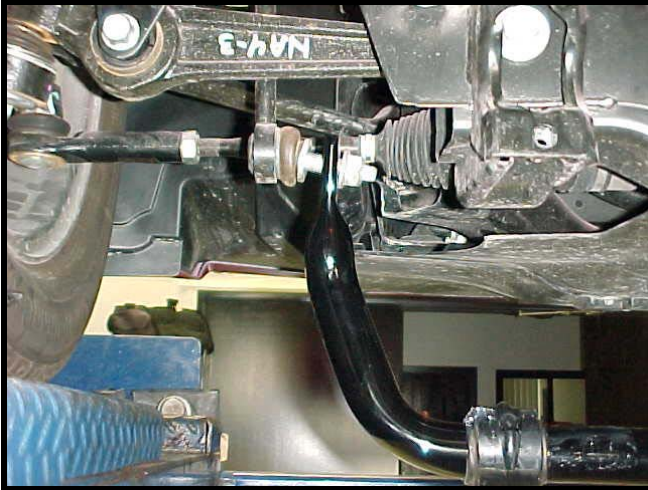


- 5) Apply a healthy amount of the provided grease to the new Hotchkis polyurethane bushings. One pack per bushing should be used. Your kit comes with 5 packs of grease (2 for front, 1 for rear, 2 for front after 6-12 months). Your front bushings will need to be maintained with grease every 6-12 months depending on your driving conditions. We include 2 extra packs for this purpose.

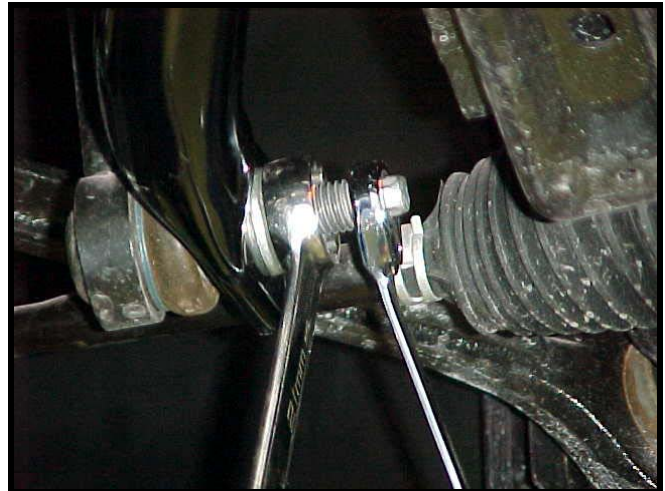
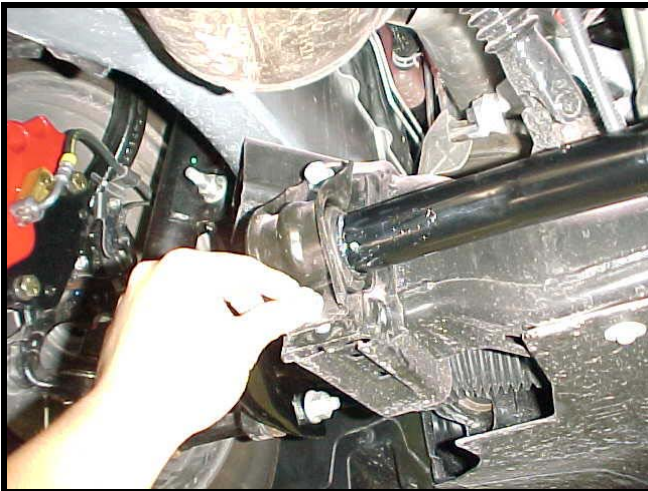
Once greased, install the new bushings onto your new Hotchkis sway bar.



- 6) Reinstall in the same manner as removal. Attach the endlinks to the sway bar. Do not tighten at this time.



- 7) Install the subframe mounts back onto the vehicle. Fully tighten all hardware at this time (including the endlink bolts!)



You are now finished with the front sway bar installation! Make sure that all hardware is fully tightened before driving the vehicle. Let's move on to the rear sway bar installation.

INSTALLATION OF HOTCHKIS REAR SWAY BAR

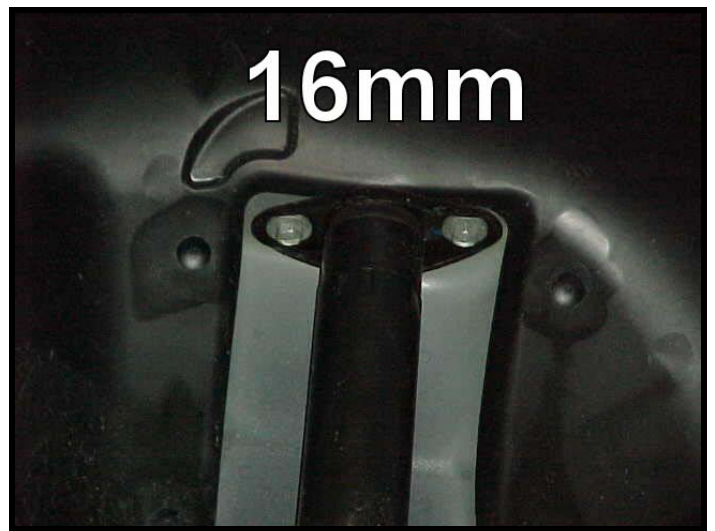
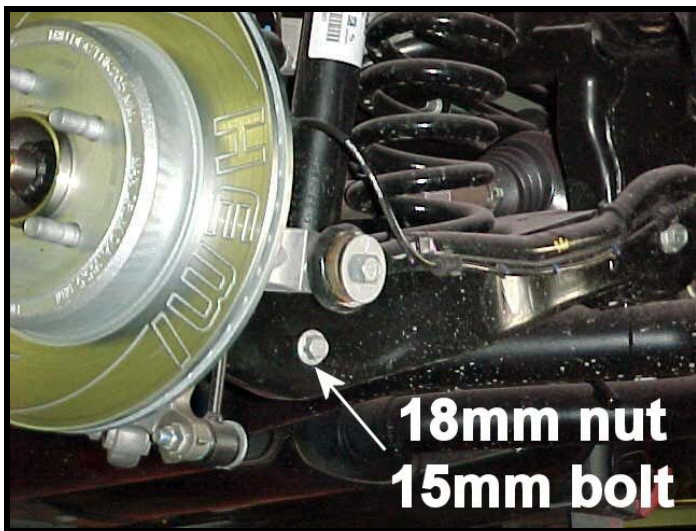
Installation Note: Some V6 models were not originally equipped with rear sway bars from the factory. If your vehicle does not have a factory rear bar, you will need to purchase the following items from the dealership prior to installation of the rear sway bar. (Factory part numbers are subject to change)

- Frame mount Bolts 6500399 Qty 4**
- Endlink 4766866AA Qty 2**
- Endlink Bolts 6102222AA Qty 2**
- Endlink Bolts 6102239AA Qty 2**
- Endlink Nuts 6104717AA Qty 4**

- 1) Secure the front wheels with blocks and jack the rear up until the rear wheels are off the ground. Support the rear of the vehicle with jack stands on the factory jack points.
- 2) Remove the rear wheels using a 21mm socket.



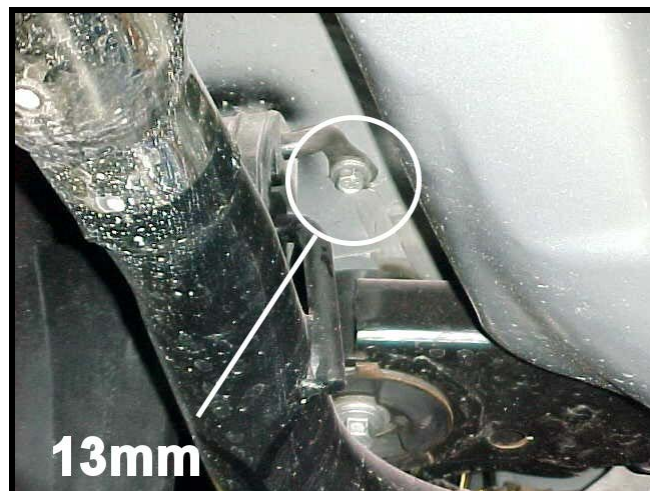
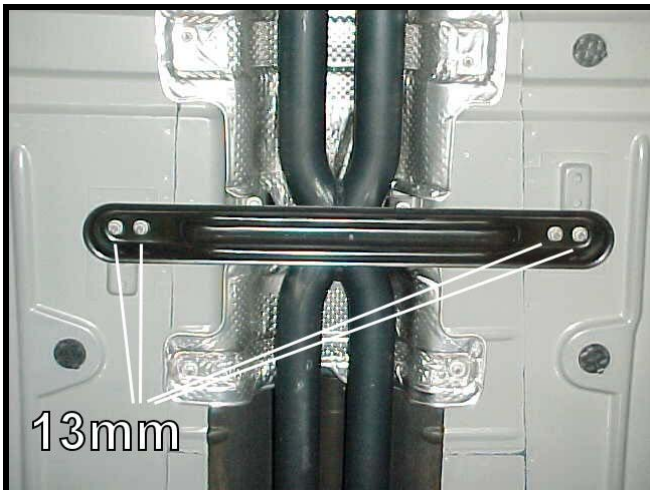
- 3) Begin removing the rear shocks by removing the lower nut and bolt using a 18mm wrench and 15mm socket respectively. Remove the 2 upper shock bolts using a 16mm socket.



- 4) Pull back the plastic splash guard and remove the bolt that holds the brake line to the frame using a 10mm wrench or socket.



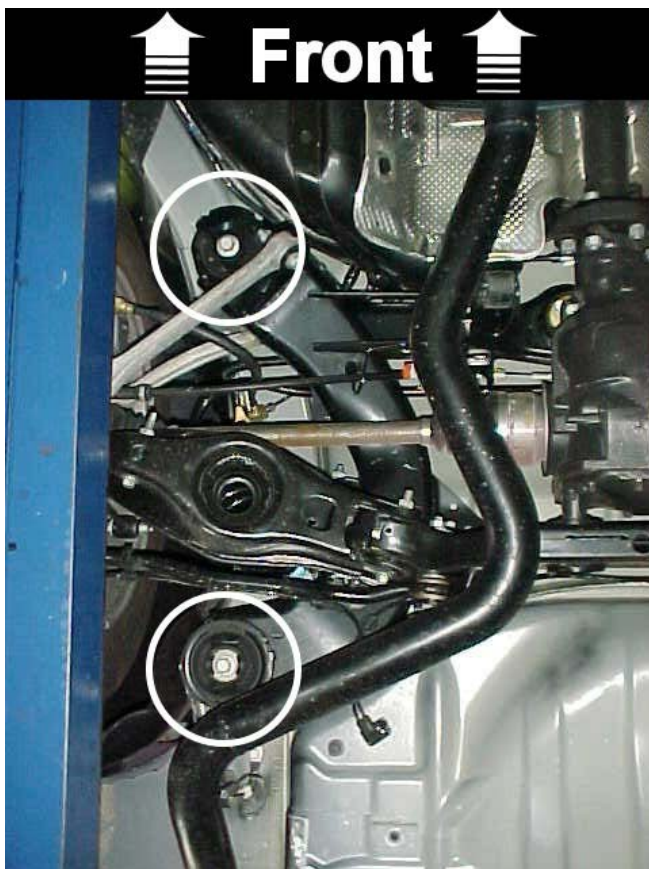
- 5) Next, you will need to drop the exhaust system for clearance. Unbolt the mid-brace removing the 4 bolts using a 13mm socket. Spray the rubber hangers in the picture with WD-40 and slide the rubber hanger off the exhaust support. Unbolt the remaining rear hangers using a 13mm socket. Be careful, for the exhaust will drop down once these bolts are out.



- 6) Support the rear axle pumpkin housing with a jack. Try to use wood or a rubber pad to cushion the contact point of the jack and housing. Remember the jack stands should still be supporting the rear of the vehicle.

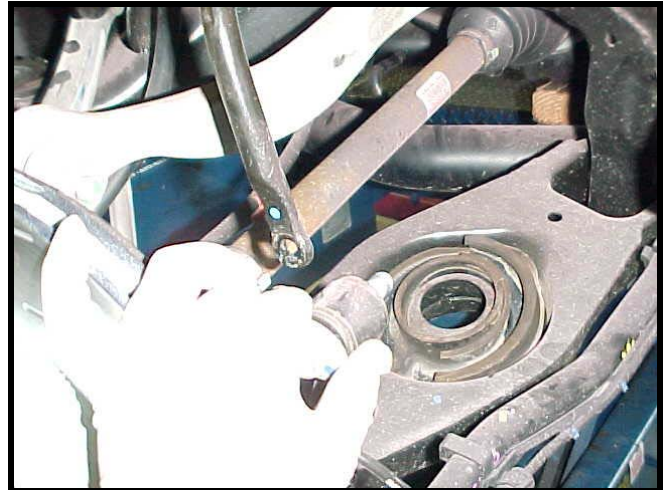
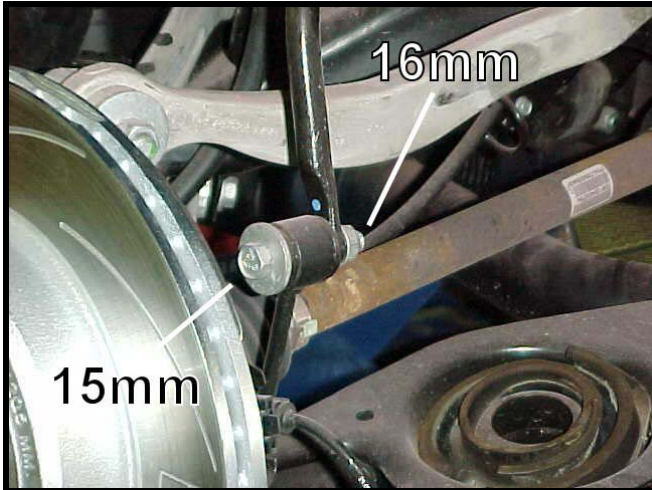


- 7) Once the axle is supported, you can unbolt the 4 bolts that secure the rear cradle to the frame using a 18mm socket.

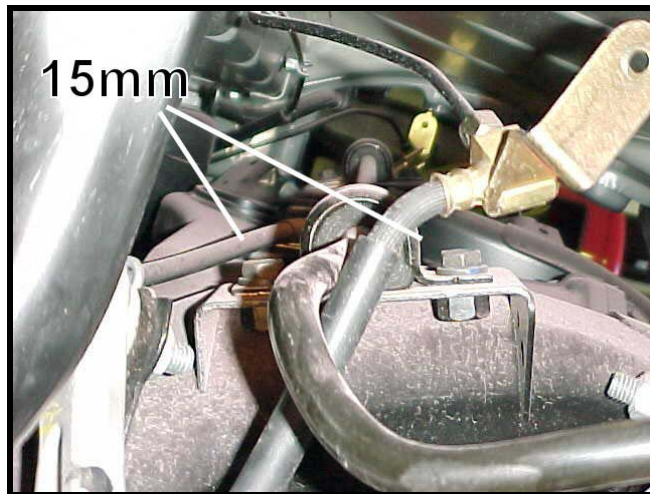


- 8) Lower the jack that supports the axle about 4-5 inches. Make sure not lower it too much to avoid damaging the rear brake hardline.

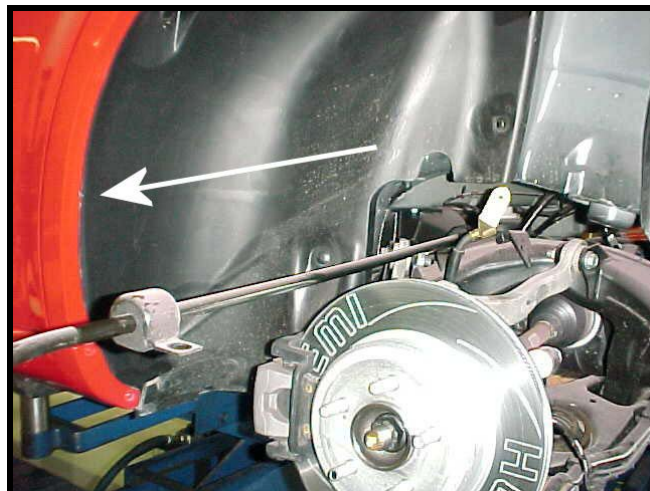
- 9) Detach the endlinks from the sway bar using 15mm wrench on the bolt side and 16mm wrench on the nut side. Retain the hardware for reinstallation.



- 10) Unfasten the 2 bolts securing the subframe mounts using a 15 wrench. Retain the bolts for reinstallation. You may discard the stock bushing brackets.



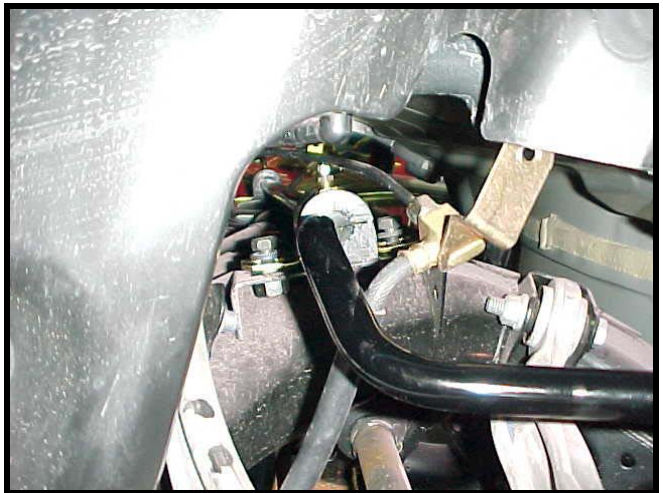
- 11) The bar should be free to come out. The only obstacle when removing the sway bar is the brake lines may be in the way. If so, carefully push the bar around the brake lines.



- 12) Compare the stock bar to your new Hotchkis bar for orientation purposes. Lube the bushings with the provided grease and place them onto the bar.



- 13) Feed your new Hotchkis sway bar into the sway bar location in the same manner as removal. Make sure the bar is oriented as shown in the picture. Place the provided bushing mounts over the bushings and make sure the 90° zerk fittings are facing outboard. Fully tighten the stock bracket bolts.



- 14) Reattach the endlinks to the sway bar in the same manner as removal. Fully tighten all hardware



- 15) Once everything is in place, raise the rear axle into position. Do not raise all the way up! You will still need some wiggle room to line up the cradle bolt holes. Start each bolt by hand to ensure proper threading. Once thread started, fully tighten the cradle bolts using a 18mm socket.



- 14) Perform steps 1-6 in reverse order to finish the installation.

You are now finished with the rear sway bar installation! Make sure that all hardware is fully tightened before driving the vehicle. Enjoy your new sport sway bar set!

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Anti-roll bar set

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	Hotchkis P/N	Item Description	Quantity
1	22810321	Front Anti-Roll Bar	1
2	22910321	Rear Anti-Roll Bar	1
3	21810321 (U-62373-BL)	1 3/8" Front Bushing (Magnum)	2
4	5335G	3/4" Rear Bushing	2
5	15.12.06.39	Rear Saddle Bracket	2
6	9.11108	Grease Pack	5

