

HOTCHKIS

SPORT SUSPENSION

22440 FRONT & REAR SPORT SWAY BAR SET **2008+ Mitsubishi Evolution X**



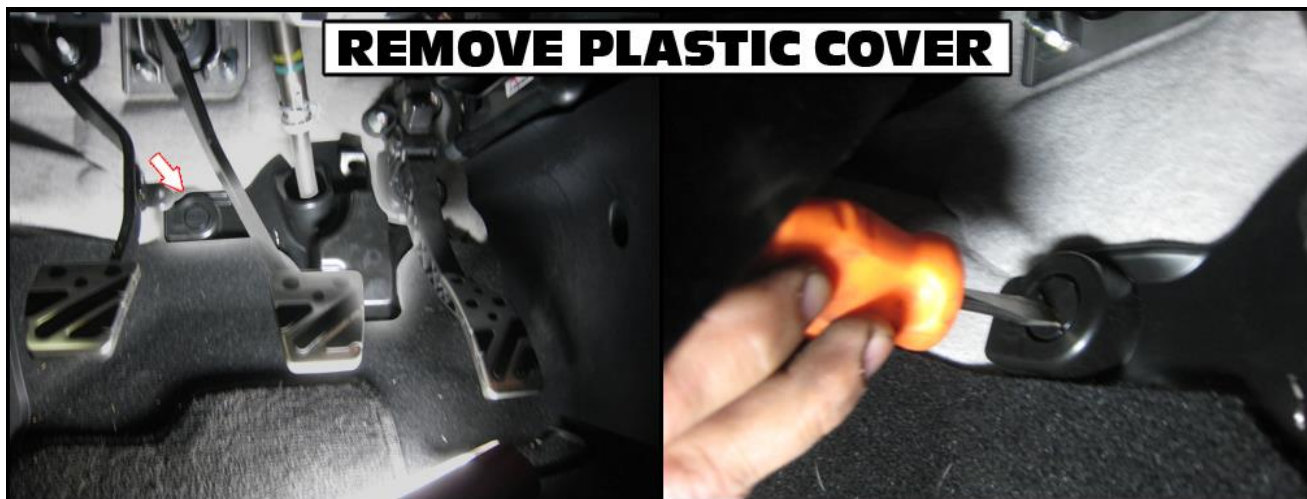
Thank you for your purchase from our Hotchkis line of suspension parts.
Please call us at (877) 4NO-ROLL if you have any questions regarding your Hotchkis products.
Visit us on the web @ www.hotchkis.net. **Please read the entire installation before starting.**

Important Note: It is highly recommended that you upgrade your rear sway bar end links. In some cases, it has been observed that the rear end links are not durable enough for our sway bar. We do offer upgraded end links p/n 25440R (sold separately)

S

INSTALLATION OF HOTCHKIS FRONT TABILIZER BAR

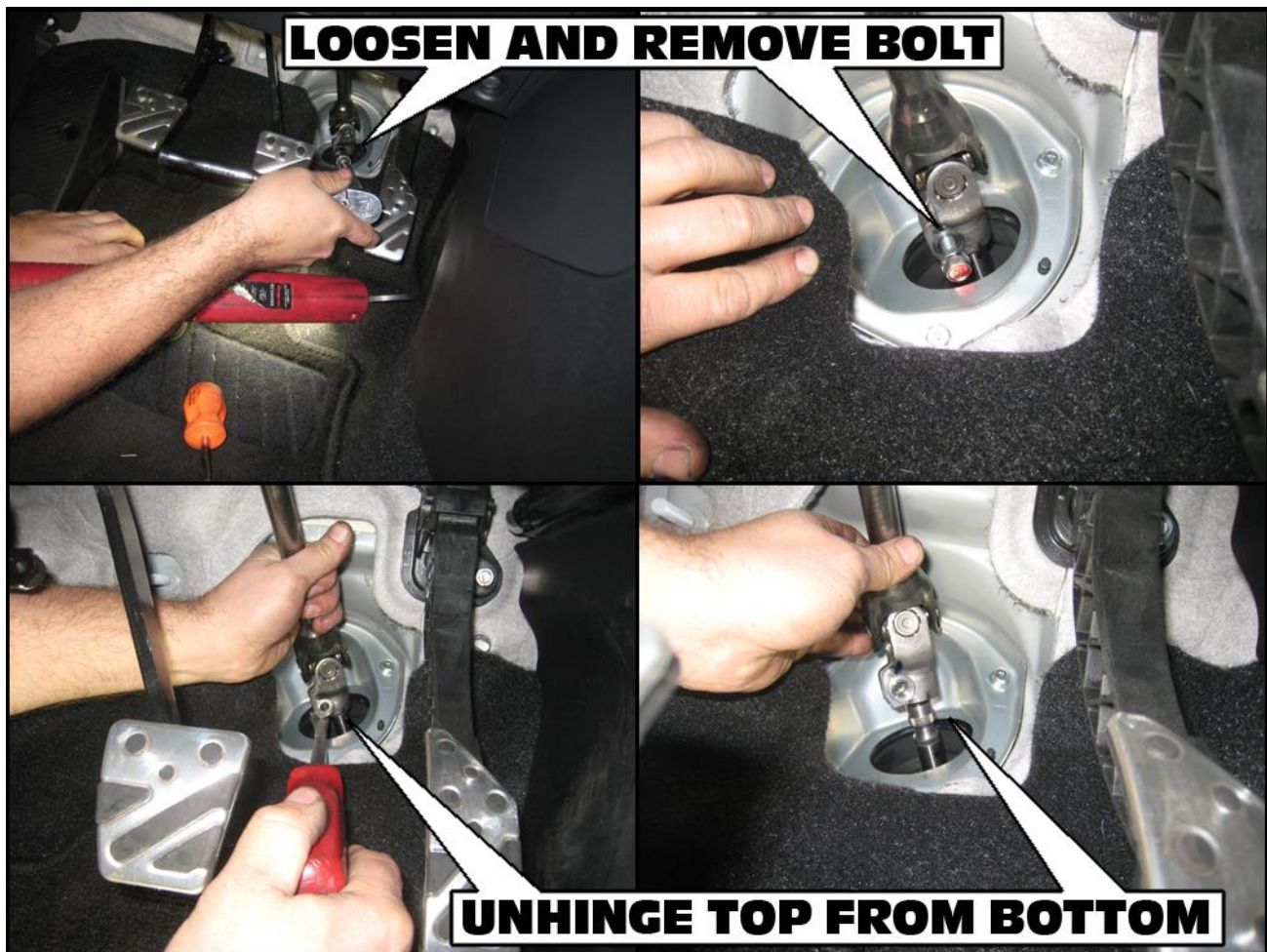
- 1) Raise the vehicle using a 4-post Lift or alignment rack. It is not recommended to perform this installation on a 2-post lift. This install requires the technician to disconnect the front subframe which may be difficult/dangerous on a 2-post lift.
- 2) Please look at the original front antiroll bar and note the orientation of the front bar. You will want to install the new Hotchkis bar in the same manner.
- 3) From inside the car, on the driver's side floor, remove the plastic steering shaft cover.



- 4) Mark the steering shaft joint and exterior shaft before you move to the next step so you can return the shaft to its original position when complete.



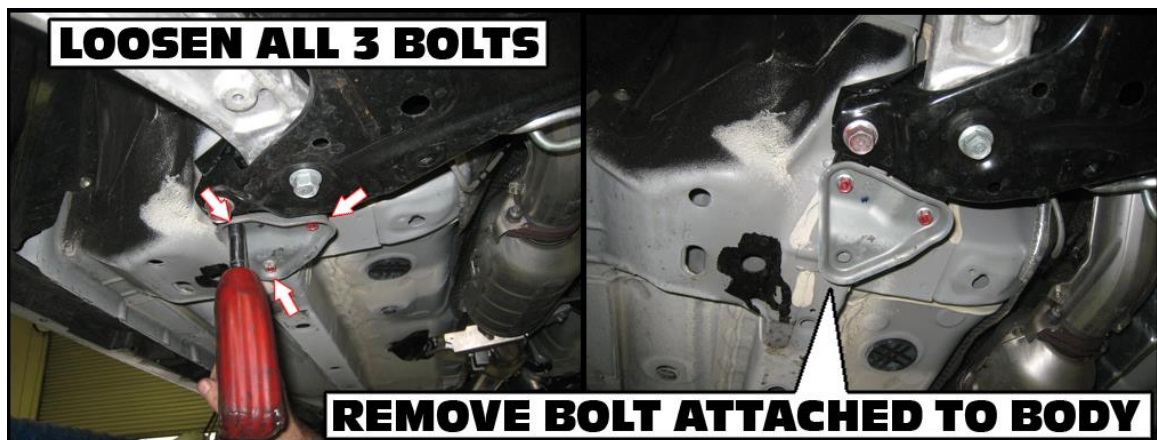
- 5) Loosen the bolt that connects the bottom shaft to the upper shaft then unhinge the two pieces.



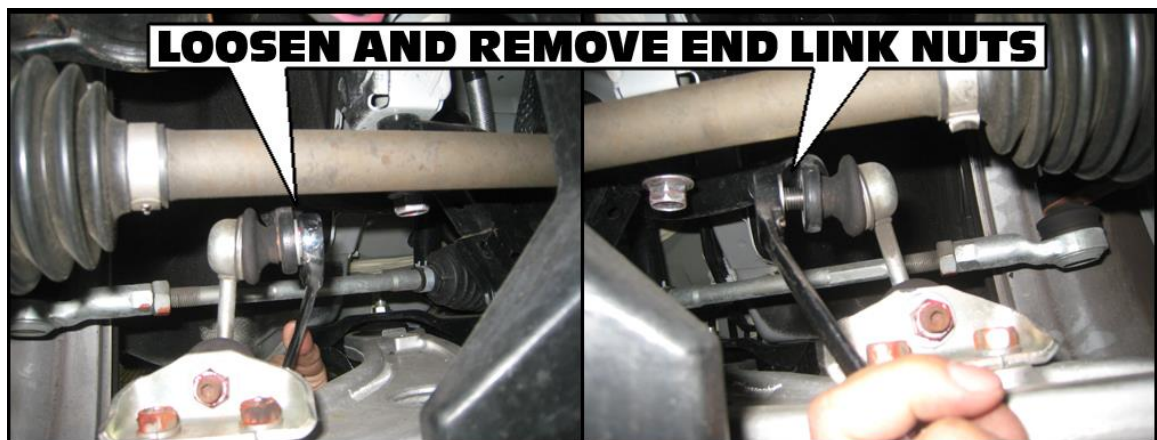
- 6) Underneath the car, remove the brace as shown below.



- 7) Loosen all 3 bolts of the triangular shaped mounting plates. Completely remove the bolt that connects directly to the body. Leave the 2 on that connect to the subframe.



- 8) Loosen and remove the end link nuts, then disconnect the end links from the stock sway bar.



- 9) Remove the factory plastic undertray from the car.



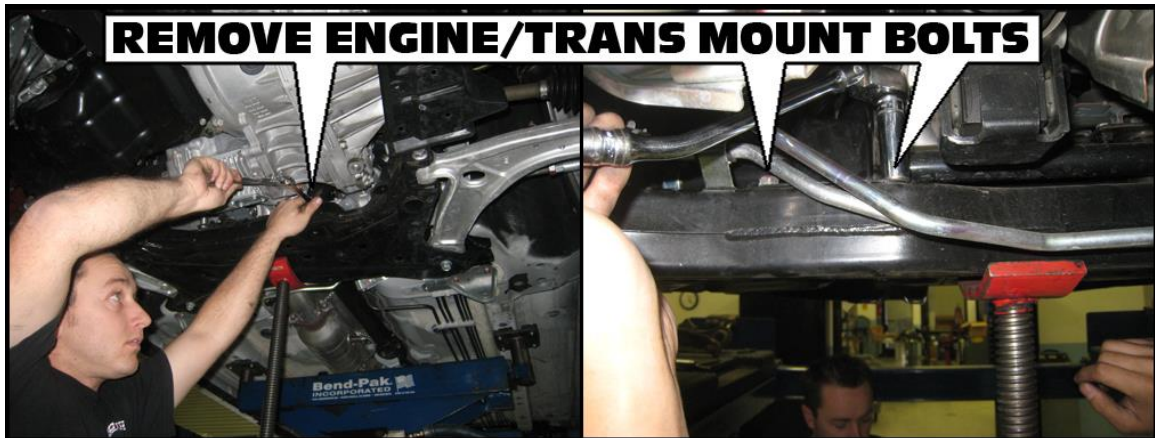
- 10) Remove all bolts that hold the front engine mount brace in place and remove the brace.



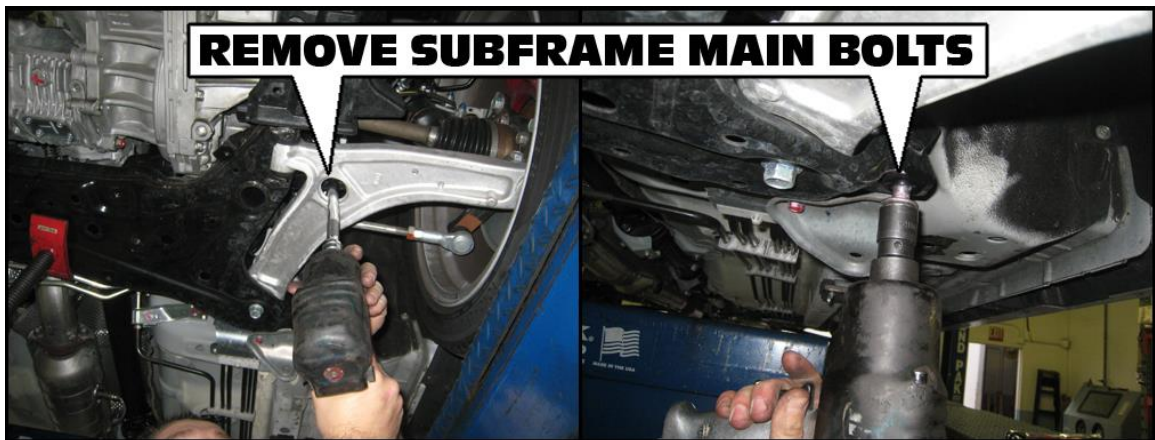
- 11) Raise the car up slightly. Doing this will allow the subframe to drop lower when the main bolts are removed at a later step and will allow access to the front sway bar. Use a screw jack or similar to support the subframe.



- 12) Remove the engine/transmission mount bolts. There is one located on the front end of the subframe and two located on the back end.



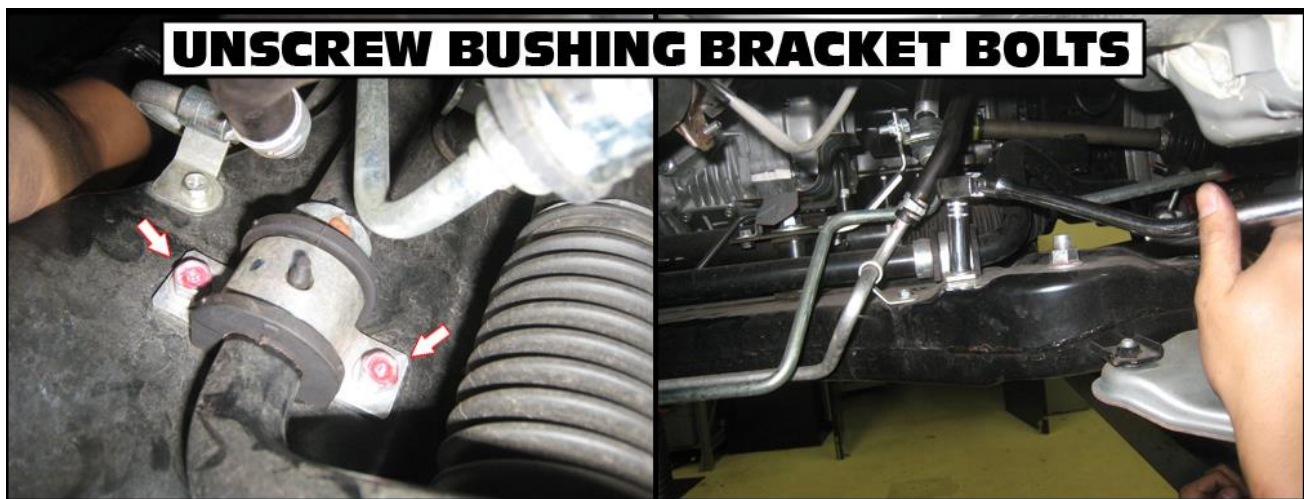
- 13) Remove the 4 subframe main bolts. There will be two on each side. Once the bolts are out, lower the screw jack slightly to allow the subframe to drop for access to the sway bar.



- 14) Unscrew power steering line bracket bolts located near the passenger side.



- 15) Unscrew bushing bracket bolts.



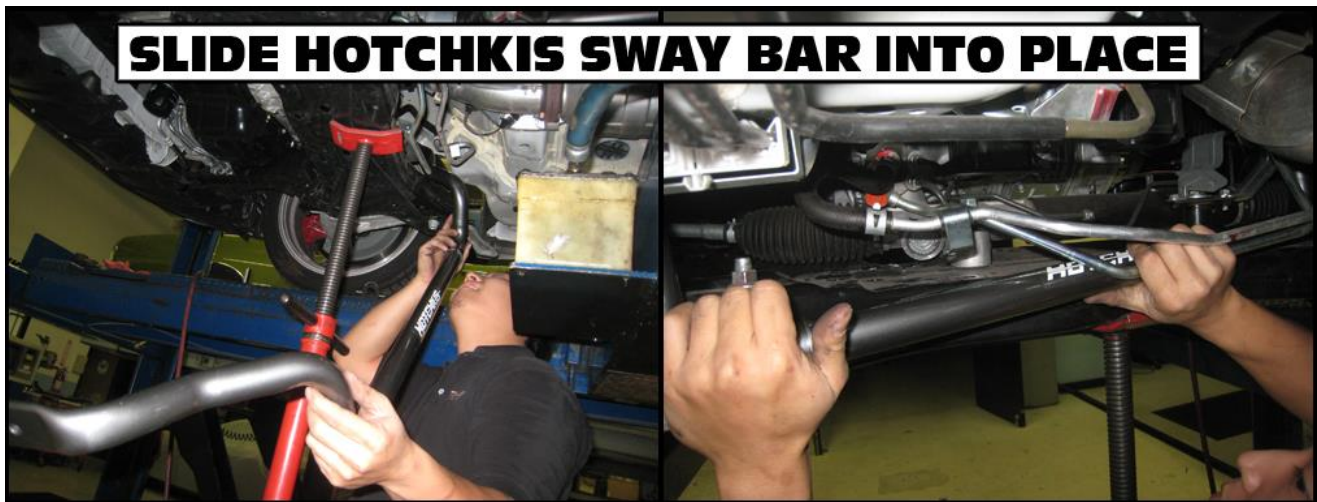
- 16) Remove factory brackets & bushings.



- 17) Remove factory sway bar.



- 18) Slide the Hotchkis sway bar into place.



- 19) Lube the bushings with the supplied grease then install onto sway bar.



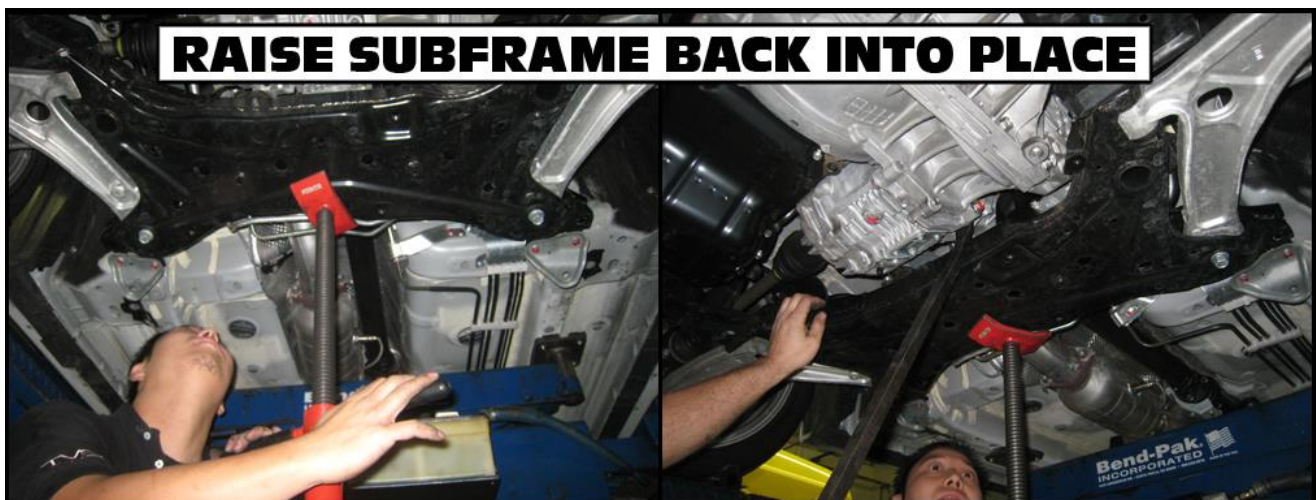
- 20) Install the bushing brackets and fully tighten them using the included bolts and flat cut washers. The front sway bar uses the longer Ø8mm x 25mm bolts.



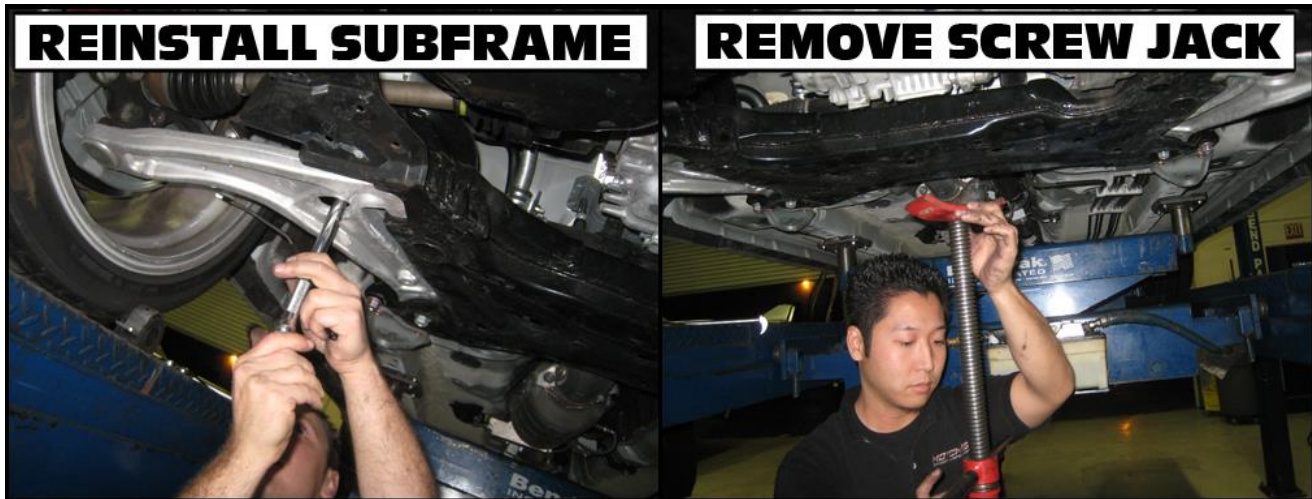
- 21) Check between the sway bar and gray power steering line for clearance. You may have to hand bend the line upwards slightly.



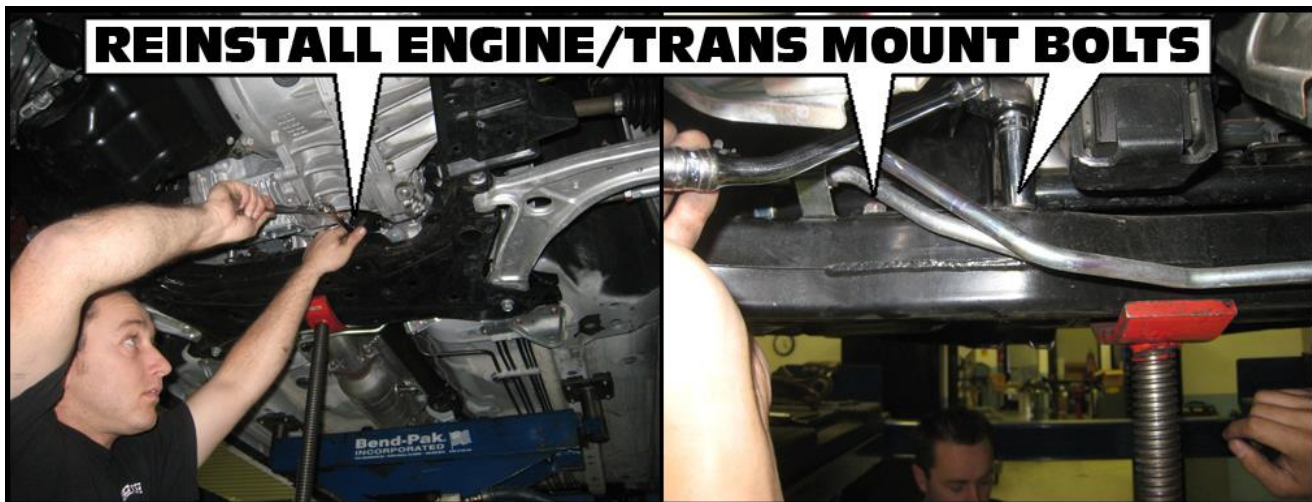
- 22) Raise the subframe back into place. You may need a pry bar to help nudge it into its original position.



- 23) Reinstall the 4 subframe main bolts to secure the subframe back into place. Remove the screw jack.



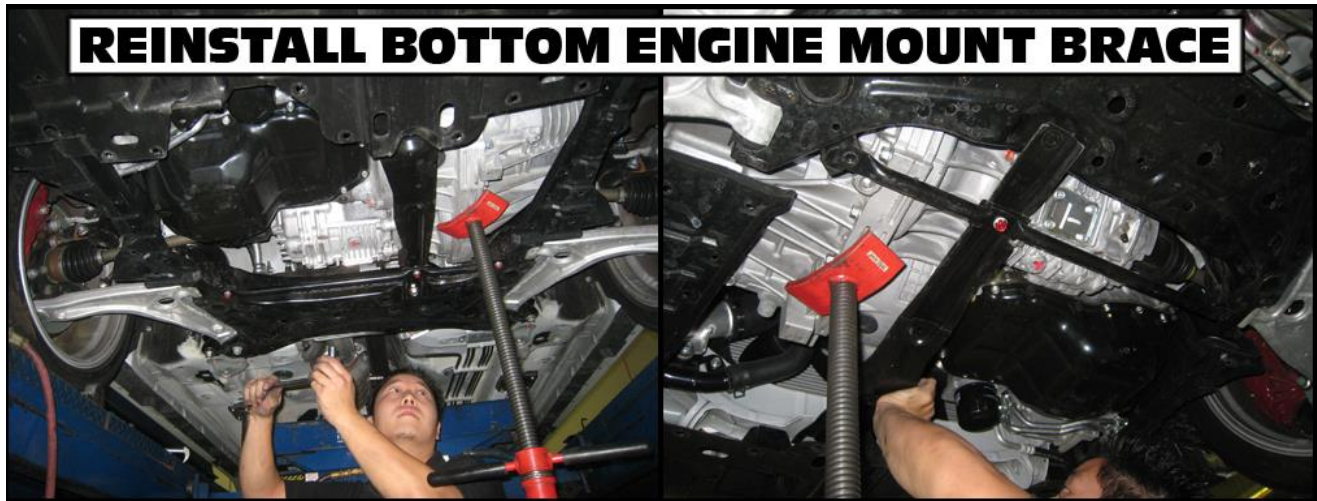
- 24) Reinstall the 3 engine/transmission mount bolts



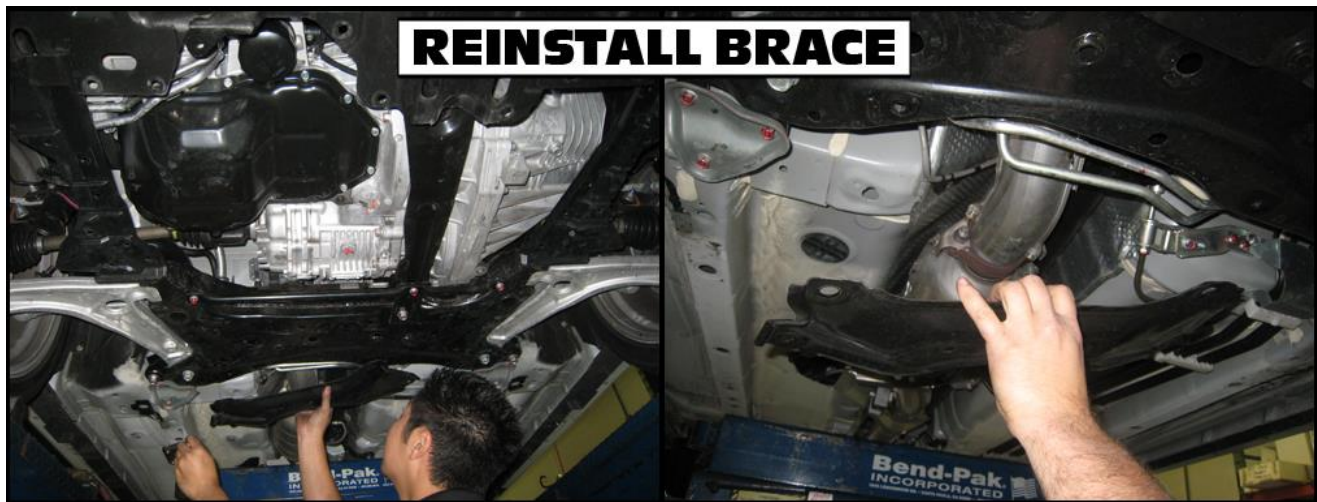
- 25) Reinstall the triangular shaped mounting plates.



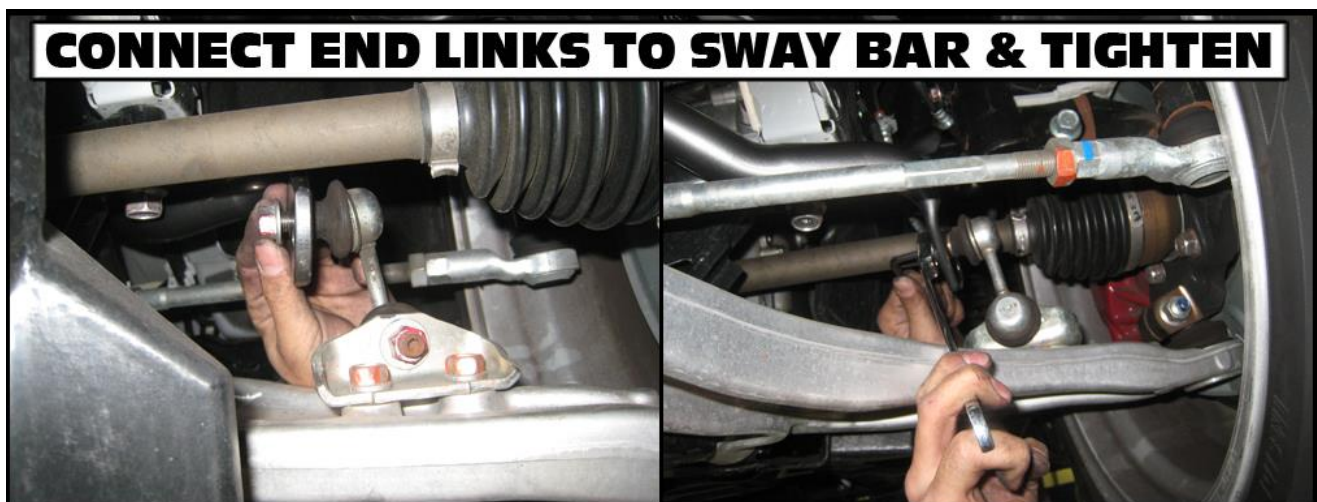
- 26) Reinstall the front engine mount brace. You may need the screw jack again to help raise or lower the transmission as needed.



- 27) Reinstall the brace that was removed in step 6.



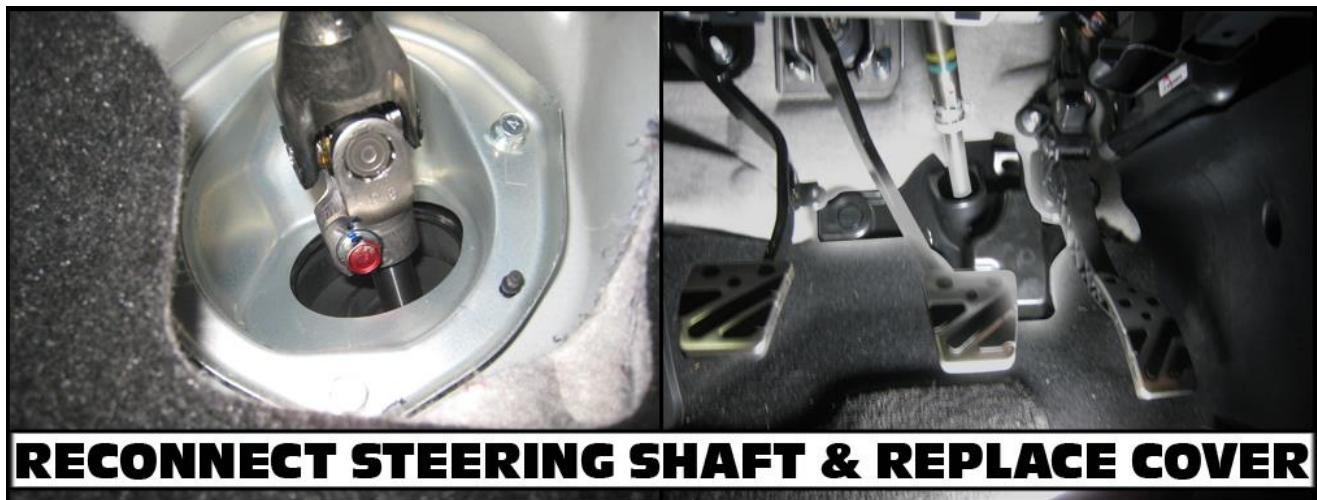
- 28) Connect the end links to the sway bar and fully tighten. Your Hotchkis front bar has 2 hole adjustments. The hole closest to the end is the softest setting.



- 29) Reinstall the plastic undertray using the stock hardware.



- 30) Lower the car and from inside, reconnect the steering shaft and replace the plastic cover.



- 31) After driving the vehicle, re-check all hardware for tightness. You are finished with the front sway bar installation

IMPORTANT: For maintenance, use the zerk fittings to grease the bushings at least once a year (15,000 miles) or when excessive noise occurs. Use a silicone based grease only! A lithium-based grease can wash out with water and should not be used.

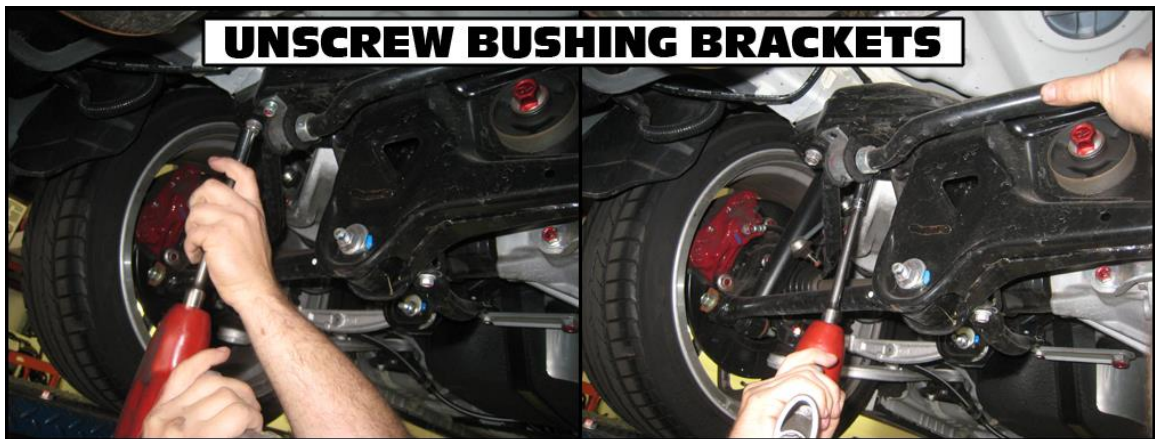
MOVE ON TO THE REAR SWAY BAR INSTALLATION
Please call us at (877) 4NO-ROLL if you have any questions regarding your Hotchkis products.

INSTALLATION OF HOTCHKIS REAR SWAY BAR

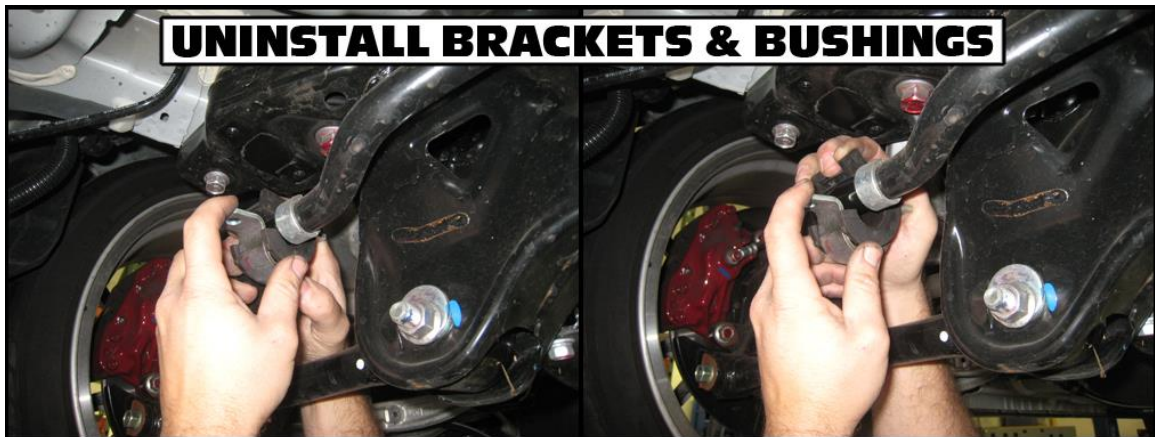
- 1) Raise the vehicle using a lift or jack stands.
- 2) Take a look at the factory rear bar installation and note how the bends curve around the other parts in the car.
- 3) Remove the nuts that connect the end links to the sway bar and pull the end link out of the bar.



- 4) Unscrew the factory bushing brackets



- 5) Remove the factory bushing brackets and bushings.



- 6) Remove the factory sway bar.



- 7) Slide the Hotchkis sway bar into place and install the end links to the ends of the bar to help hold it up. Do not fully tighten the end links.



- 8) Lube bushings with the supplied grease and install. Place the bushings over the Hotchkis bar in roughly the same location as the factory installation.



- 9) Install bushing brackets and fully tighten.



- 10) Fully tighten end link nuts. Your Hotchkis Rear bar has 3 hole adjustments. The hole closest to the end is the softest setting.



- 11) Check that all hardware is tight. Use the caps provided to cover the zerk fittings and you're done installing the Hotchkis antiroll bar!



IMPORTANT: For maintenance, use the zerk fittings to grease the bushings at least once a year (15,000 miles) or when excessive noise occurs. Use a silicone based grease only! A lithium-based grease can wash out with water and should not be used.

SEE NEXT PAGE FOR PARTS LIST

2008+ Mitsubishi Evolution X Sway Bar Kit, Parts List

P/N 22440

	Hotchkis P/N	Item Description	Quantity per kit
1	22830363	Front Stabilizer Bar	1
2	22930371	Rear Stabilizer Bar	1
3	15.12.06.39R-90	Front Bushing Bracket 90° Zerk Fitting	2
4	15.12.06.39R	Rear Bushing Bracket Straight Zerk Fitting	2
5	17490002	Flat Cut Washers	8
6	5344G	1-1/4" bushing	4
7	M8-25HEXFLG	M8 - 1.25 X 25mm Flange Bolt (FRONT)	4
8	M8-20HEXFLG	M8 - 1.25 X 20mm Flange Bolt (REAR)	4
Items Not Shown			
9	9.11108	Grease Pack	2
10	n/a	Instruction Set	1



**Visit Hotchkis on the web at www.hotchkis.net or
Call (562) 907-7757!**

All information contained herein is subject to change without notice. BUYER'S ACCEPTANCE OF DELIVERY OF THE PRODUCT CONSTITUTES BUYER'S ACCEPTANCE OF THE TERMS HEREIN. ANY ADDITIONAL OR DIFFERENT TERMS PROPOSED BY THE BUYER ARE HEREBY REJECTED IN THEIR ENTIRETY UNLESS EXPRESSLY AGREED TO IN WRITING BY SELLER'S AUTHORIZED AGENT.

TERMS

Prepaid, Visa, MasterCard. Net 30 days from invoice date terms are available after credit approval. Accounts with invoices past due will be placed on "Credit Hold". A finance charge of 1.5% per month will also be applied to all past due invoices, not to exceed the maximum charge permitted by law. Accounts are considered paid in full upon Hotchkis Performance Inc.'s receipt of the full invoice amount plus collection fees and expenses incurred, if any. NSF checks stop payment checks, chargebacks on credit cards, etc. are charged a minimum of \$35 fee. No deduction or credit may be taken for any reason unless a credit memo has been issued by Hotchkis Performance Inc. Any unauthorized deduction will automatically put the account on credit hold. Other product special orders require a 50% down payment and are also non-cancelable and non-returnable.

DROP SHIPMENTS & REFUSED PACKAGES

Drop shipments are charged a \$30 service charge. A 20% restocking fee and all shipping costs are charged to the ordering party if a package is refused. No international drop shipments.

RETURNS

All returns are subject to prior authorization from Hotchkis Performance Inc. Once authorized, a Return Merchandise Authorization (R.M.A) will be issued. All authorized returns must have the R.M.A number on all cartons and shipping documents. Returned product must be shipped prepaid – collect shipments will be refused. Modified or used products are not eligible for return. Returns **MUST** be made within 90 days of invoice date and are subject to a **20% restocking fee. No returns are accepted after 90 days.** Freight charges are not refundable unless the merchandise is defective as determined by Hotchkis Performance Inc. Special orders are not returnable.

DAMAGED SHIPMENTS / SHORTAGES

All Hotchkis Performance Inc.'s shipments are F.O.B. our factory. Title passes from Hotchkis Performance Inc. to the purchaser at the time is shipment initiated. Claims for Carton shortages and damages must be made against the carrier at the time of delivery. To expedite processing of claims against the carrier, the customer must note damages on the bill of lading at the time of the delivery, and promptly request an inspection by the carrier or its claims agent. If a shortage is found within the shipment, it must be reported to Hotchkis Performance Inc. in writing within five (5) business days of receipt of shipment. Claims need to include the following information order number, invoice number, date of invoice, date of shipment, part number, description and carton count.

PRODUCT SUBSTITUTION / OTHER

Hotchkis Performance Inc. reserves the right to substitute equal or better materials or products at its discretion. Hotchkis Performance Inc. reserves the right to change specifications and other information included in this catalog without notice. All information, data and dimension tables in this catalog have been carefully compiled and thoroughly checked. However, no responsibility for errors or omissions can be assumed. Some parts may not be legal for sale or use in certain states, including California, on certain pollution-controlled motor vehicles. It is the purchaser's responsibility to determine if any parts they purchase are suitable for their particular locale and use.

WARRANTY / DISCLAIMER

Hotchkis Performance Inc. warrants that the products will be free from defect in material and workmanship for three years from date of sale to the original purchaser. Hotchkis Performance Inc. makes no other warranty of any kind, express or implied. Hotchkis Performance Inc. shall have no obligation under the forgoing warranty where the defect is the result of improper or abnormal use, user's negligence, vehicle accident, improper or incorrect installation or maintenance, nor when the product has been repaired or altered in any way. Hotchkis Performance Inc.'s liability in the case of defective products subject to the forgoing warranty shall be limited solely to the repair or replacement, at Hotchkis Performance Inc.'s option, of the defective products. Hotchkis Performance Inc. will be the sole judge of the validity of warranty claims.

Consequential or incidental damages are not recoverable under this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

In order to be eligible for service under this warranty, the defective part(s) must be returned to Hotchkis Performance Inc. by the original purchaser together with the R.M.A number issued from Hotchkis Performance Inc. and a copy of the receipt showing purchase within past 3 years. Tag each item with the part number and the specific explanation of defect. We will inspect the part and determine: a) if it is eligible for repair or replacement; and, b) if so, whether to repair or replace it. All returns must be shipped **prepaid** to:

Hotchkis Performance Inc.
RMA # _____
118 Infield Court
Mooresville, NC 28117

Hotchkis Performance Inc. will return all products covered under warranty to you by ground freight at Hotchkis Performance Inc.'s expense. Any expedited freight is the responsibility of the customer.

THE BUYER UNDERSTANDS AND EXPRESSLY RECOGNIZES that ALL parts and services sold by Hotchkis Performance Inc. are exposed to many and varied conditions due to the manner in which they are installed and used. BUYER ACKNOWLEDGES that HOTCHKIS PERFORMANCE INC. does not have full knowledge of the intended use of goods, and BUYER WILL DEFEND AND INDEMNIFY HOTCHKIS PERFORMANCE INC. upon demand against all claims, actions, liability, loss and expense (including investigating expense and attorney fees incurred in litigation or because of threatened litigation) for any loss, damage or injury, either to a person or to property, resulting from the direct or indirect use of any Hotchkis Performance Inc. products or inability by the buyer to determine proper use or application of Hotchkis Performance Inc. products. With the exception of the limited liability warranty set forth above. Hotchkis Performance Inc. SHALL NOT BE LIABLE FOR ANY CLAIMS, DEMANDS, INJURIES, DAMAGES, ACTIONS, OR CAUSES OF ACTION WHATSOEVER TO BUYER ARISING OUT OF OR CONNECTED WITH THE USE OF ANY HOTCHKIS PERFORMANCE INC. PRODUCTS

MOTORSPORTS AND SIMILAR ACTIVITIES ARE DANGEROUS; AS SUCH, NO WARRANTY OR REPRESENTATION IS MADE AS TO THE PRODUCT'S ABILITY TO PROTECT THE USER FROM INJURY OR DEATH. THE USER ASSUMES THAT RISK