

# **HOTCHKIS**

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## **SPORT SUSPENSION**

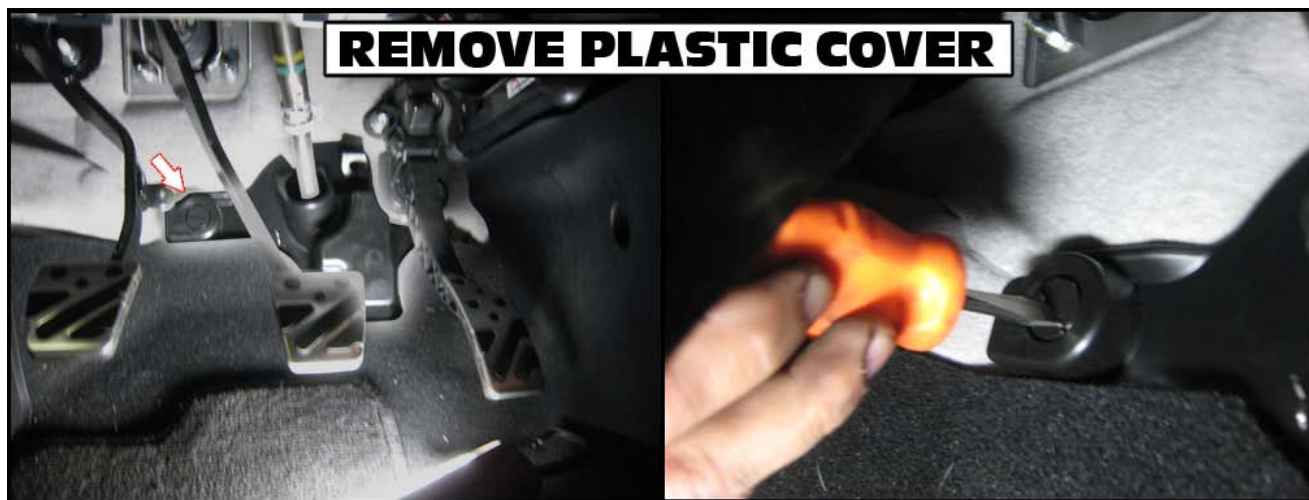
### **22440 FRONT & REAR SPORT SWAY BAR SET** **2008+ Mitsubishi Evolution X**



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](http://www.hotchkis.net). Please read the entire installation before starting.

#### INSTALLATION OF HOTCHKIS FRONT STABILIZER 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.



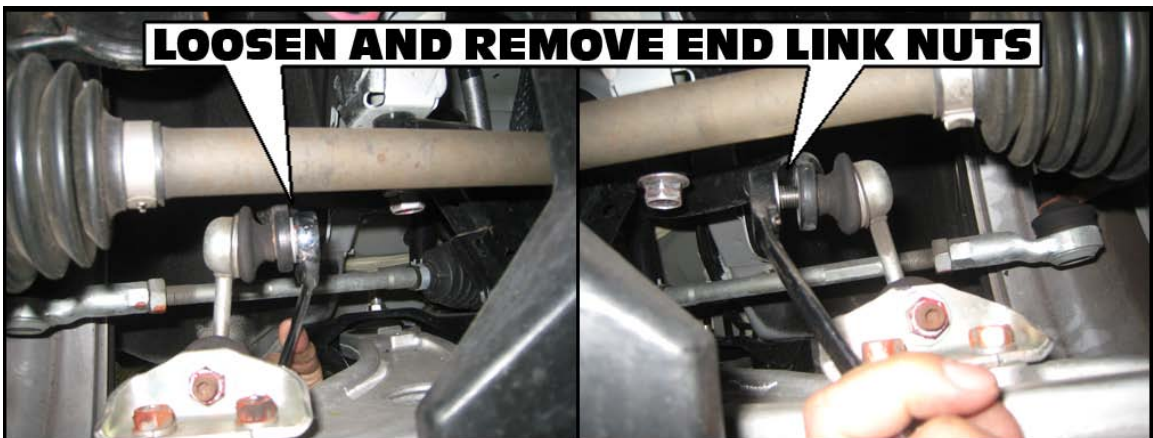
- 6) Underneath the car, remove the brace as shown below.



- 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.



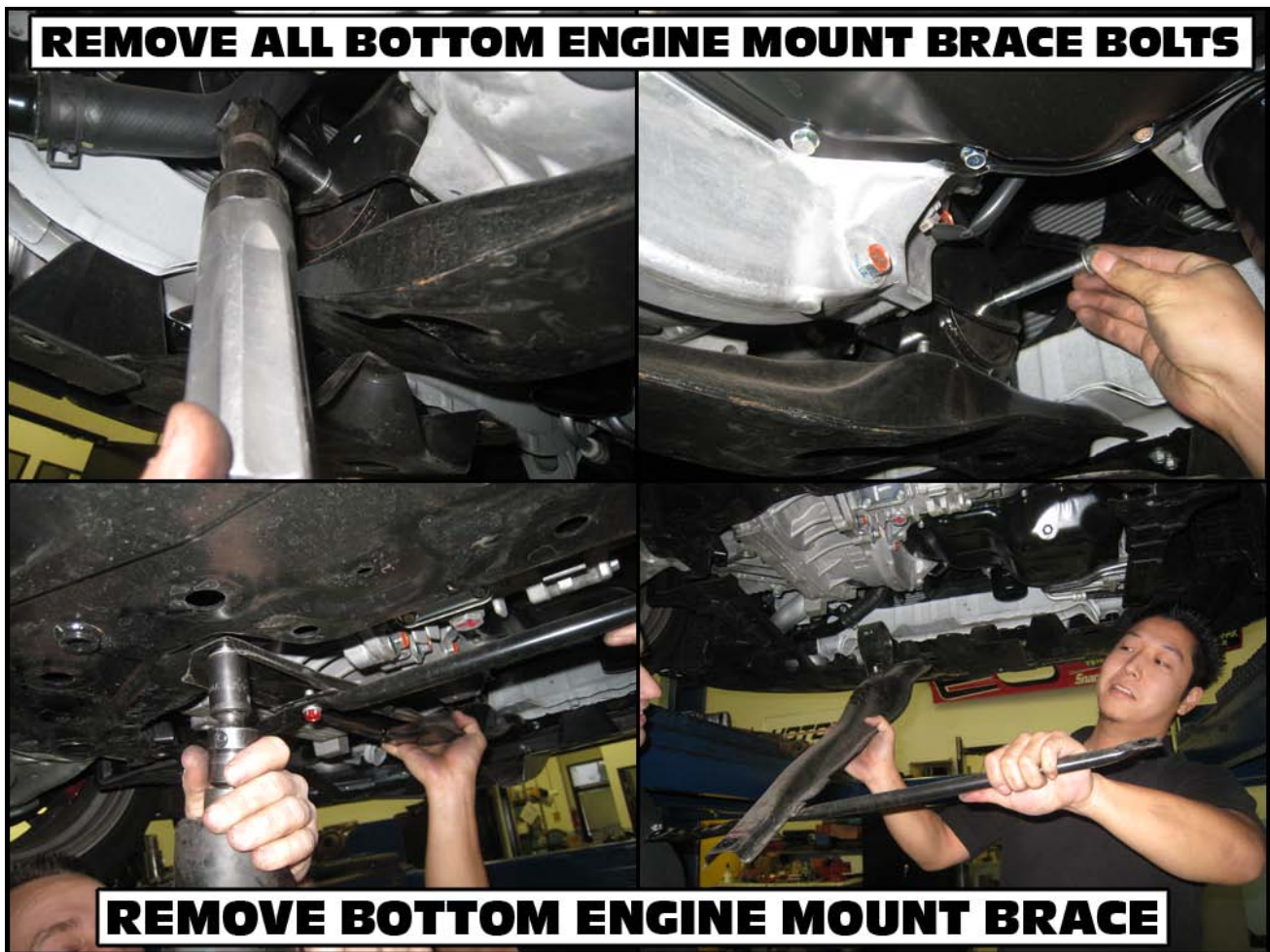
- 8) Loosen and remove the end link nuts, then disconnect the end links from the stock sway bar.



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



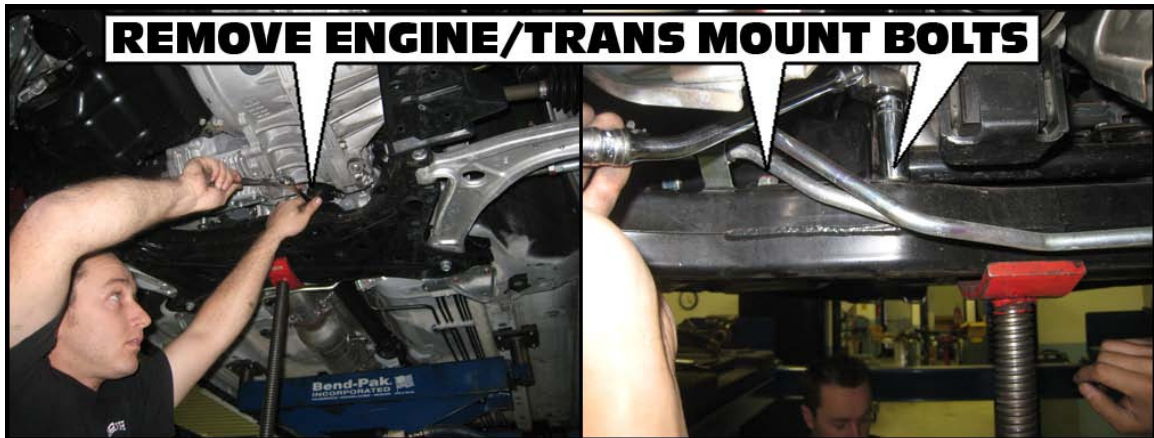
- 10) Remove all bolts that hold the front engine mount brace in place and remove the brace.



- 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.



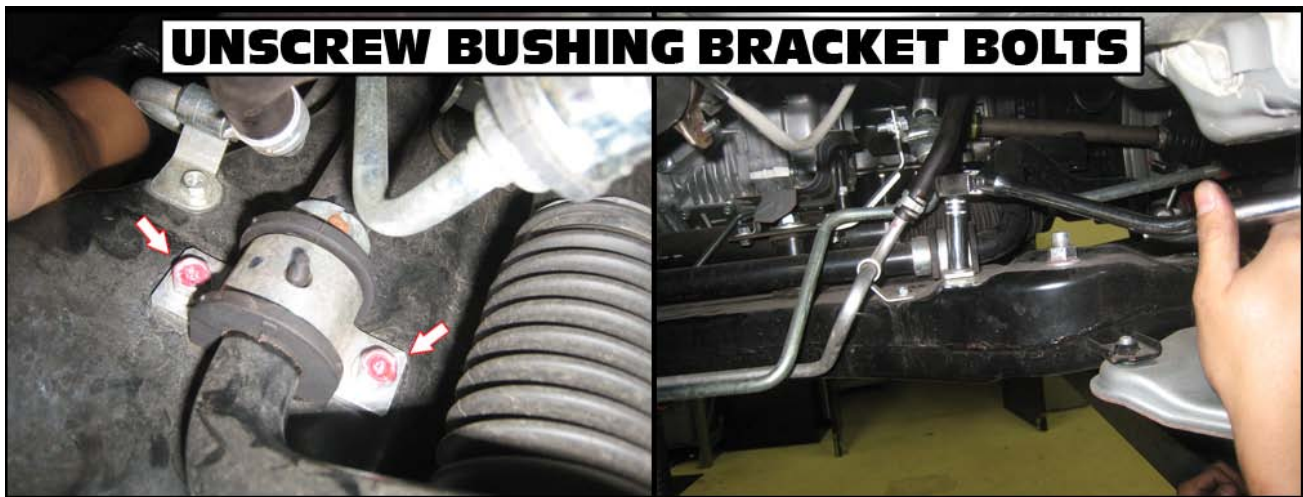
- 13) Remove the 4 subframe main bolts. There will be two on each side. Once the bolts are out, lower the screw jack slightly to allow the subframe to drop for access to the sway bar.



- 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.



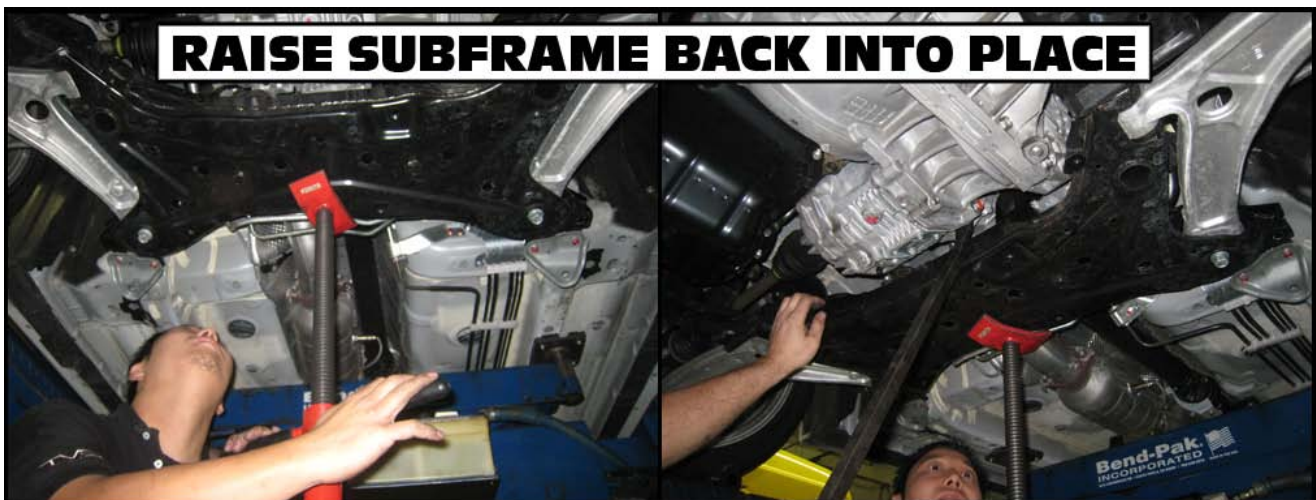
- 20) Install the bushing brackets and fully tighten them using the included bolts and flat cut washers. The front sway bar uses the longer Ø8mm x 25mm bolts.



- 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.

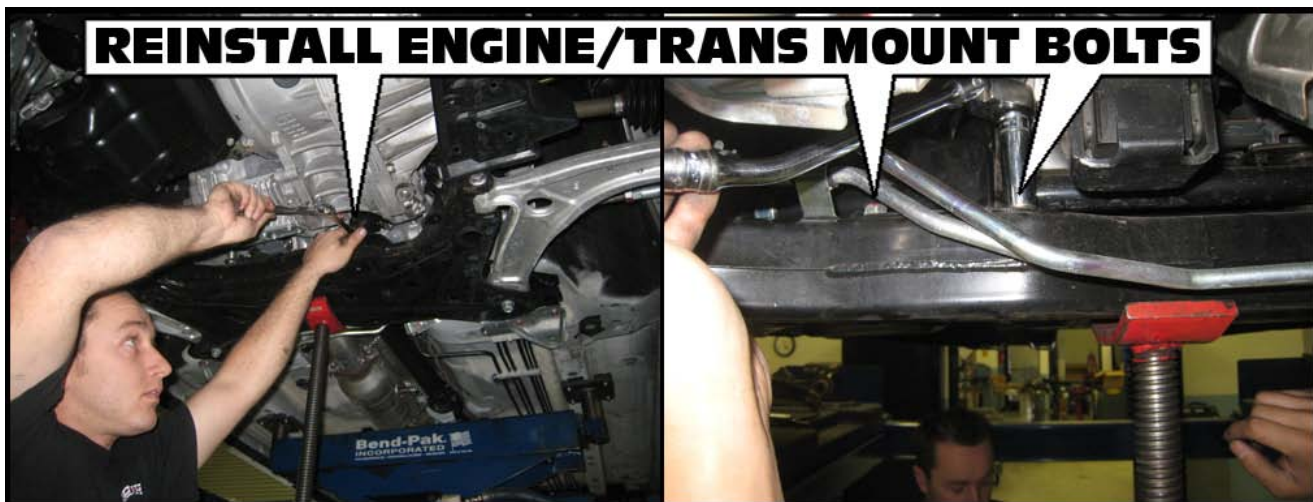




- 23) Reinstall the 4 subframe main bolts to secure the subframe back into place.  
Remove the screw jack.



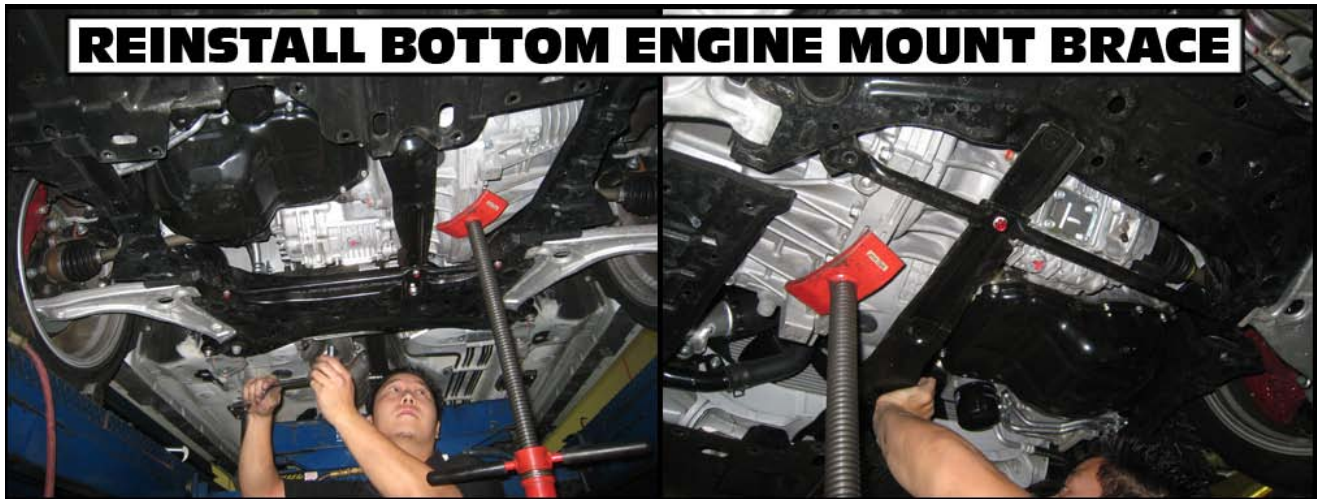
- 24) Reinstall the 3 engine/transmission mount bolts



- 25) Reinstall the triangular shaped mounting plates.



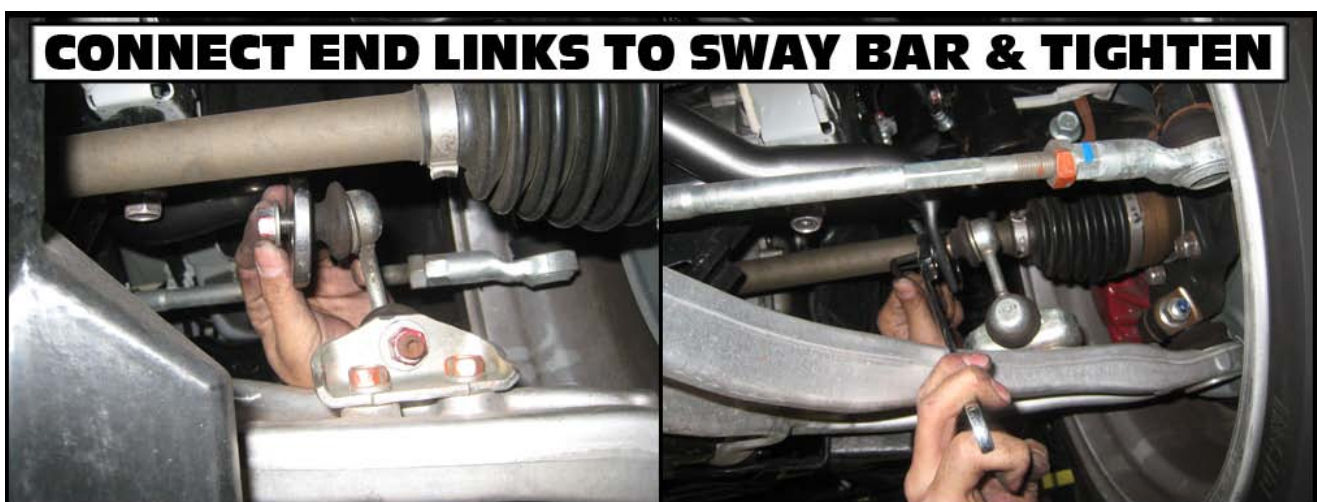
- 26) Reinstall the front engine mount brace. You may need the screw jack again to help raise or lower the transmission as needed.



- 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
<b>Items Not Shown</b>			
9	9.11108	Grease Pack	2
10	n/a	Instruction Set	1



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





## Hotchkis Performance LLC Return Policy & Limited Warranty

Effective December 1, 2010 all Hotchkis products must be registered to qualify for warranty at [www.hotchkis.net](http://www.hotchkis.net) or via the mail-in warranty card, included with the product, within 30 days of the original purchase date.

**IMPORTANT: This warranty supersedes all other warranties included with this product.**

### Return Policy

We want you to be completely satisfied with your Hotchkis Performance product. For products, presenting signs of shipping damage please contact the freight carrier immediately. All our products are guaranteed to be free from manufacturer's defects. If your order arrives with a manufacture defect, please contact our Customer Service Department at (562) 907-7757. You will be assigned a Returned Goods Authorization Number (RGA). The package you return must show the RGA on the outside of the package, include the original invoice and be shipped prepaid to our facility. The product has to be unused and in its original packaging materials. Exchanges or refunds made after 30 days will be subject to a 20% restocking charge. **If you purchased your Hotchkis Performance product from an authorized dealer, you are still covered by this return policy. All returns however, should be made to your dealer, not to Hotchkis Performance directly.**

### Limited Warranty

Hotchkis Performance offers a Limited Warranty against defects in materials and workmanship for the term of 36 months (3 years) from the date of purchase of this product. This Warranty only applies to the original retail purchaser who retains ownership of the vehicle on which the product was originally installed. If the product is determined to be defective, Hotchkis Performance will repair, replace or refund the purchase price of the defective product at Hotchkis Performance's sole discretion, which shall fully satisfy and discharge any and all warranty claims. Any repaired or replaced product will be returned to the sender excluding the cost of freight. **Products must be registered to qualify for warranty at [www.hotchkis.net](http://www.hotchkis.net) or via the mail-in warranty card, included with the product, within 30 days of the original purchase date.**

### Exclusions from Warranty

Items offered but not manufactured by Hotchkis Performance are warranted according to the manufacturer's terms and are not covered by this limited warranty. Hotchkis Performance shall not be responsible for any labor, removal, installation, re-installation or maintenance costs. This warranty does not cover the cosmetic finish or plating of any product or any normal wear and tear to any product including, but not limited to bushings, brackets, end-links, hardware, steering components, shocks or springs. In addition, this warranty does not apply to any products that have been:

- **Improperly installed or installed by someone other than a qualified, licensed auto mechanic experienced in the installation and removal of suspension products;**
- **Improperly serviced, misused, or modified, altered or subjected to abuse, negligence, accident or collision;**
- **Installed in any vehicle that has been modified;**
- **Installed on any vehicle that has carried loads in excess of automobile manufacturer suggested weight limits; or**
- **Installed on any vehicle that has been subject to abnormal or excessive use, including rallying, racing, or racing-type activities or off-road use.**

### Limitation of Warranty

This limited warranty is the entire and only warranty for the products and may not be modified or supplemented by any other person or company in any form. Any description of the products, by

anyone, is for the sole purpose of identifying them and is not part of the basis of the bargain, and does not constitute a warranty that the products will conform to that description. The statements of any salesperson do not constitute part of this limited warranty and cannot be relied upon as a warranty.

**THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ANY IMPLIED WARRANTIES ARE DISCLAIMED TO THE FULLEST EXTENT PERMITTED BY LAW. THIS WARRANTY DOES NOT COVER CONSEQUENTIAL DAMAGES, LOSS OF TIME OR REVENUES, INCONVENIENCE, LOSS OF USE OF THE VEHICLE, DAMAGE TO THE VEHICLE OR COMPONENTS OF THE VEHICLE, ANY OTHER TYPE OF CONSEQUENTIAL DAMAGES, OR OTHER INCIDENTAL OR INDIRECT DAMAGES. HOTCHKIS' MAXIMUM LIABILITY UNDER THIS WARRANTY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE PRODUCT.** Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages and in such states the above limitations or exclusions may not apply. This limited warranty gives the purchaser specific legal rights and the purchaser may have other rights that may vary from state to state.

#### **Technical Information**

Hotchkis Performance makes every effort to ensure that you are provided with the most accurate and up-to-date technical information. However, all technical information is approximate and may vary upon application. Additional suspension components may be needed in some applications, depending upon the make, model, engine and chassis of the vehicle. Hotchkis Performance is not responsible for any consequences resulting from manufacturer's technical mid-year changes. Hotchkis Performance products should only be installed by a qualified, licensed auto mechanic experienced in the installation of such products.

#### **Warranty Claim Procedure:**

The answer to ALL the following questions should be YES before making a warranty claim:

- **Did you register the product at [www.hotchkis.net](http://www.hotchkis.net) or via the mail-in warranty card within 30 days of purchase?**
- **Is the product appropriate to your application?**
- **Did you carefully and thoroughly read the instructions provided along with the product?**
- **Do you have the original invoice or sales receipt?**
- **Is the return date within 36 months from the purchase date?**
- **Are you the original purchaser?**
- **Was the product properly installed by a qualified, licensed auto mechanic?**
- **Has the product been installed on the original vehicle on which it was installed at all times?**
- **Is the product unmodified and clean?**
- **Is the reason for return a legitimate product defect?**

If the answer to all these questions is YES, please contact our Customer Service Department at (562) 907-7757. You will be given a Returned Goods Authorization Number (RGA) valid for 60 days. You will also be asked to ship the product prepaid to our facility. All shipments MUST be (i) prepaid, (ii) include the original invoice or sales receipt, (iii) show the RGA on the outside of the package and (iv) include your name, address, make and model of the vehicle, and a brief description of the claimed defect, including the circumstances under which the defect occurred. If the warranty claim is deemed valid then Hotchkis will estimate shipping costs to return the repaired or replacement part and contact you for payment. Hotchkis's Limited warranty requires that any repaired or replaced product will be returned to the sender excluding the cost of freight. Warranty related inquires should be sent to the following address:

**HOTCHKIS PERFORMANCE, LLC  
C/O CUSTOMER SERVICE  
8633 Sorensen Avenue**

**SANTA FE SPRINGS, CA 90670**

Hotchkis Performance will not accept product returns without the RGA number, receipt and the information described above. C.O.D. or collect shipments will be refused. Once the returns are received at Hotchkis Performance, we will evaluate the products, verify the sales receipt, and investigate the warranty claim. Any repaired or replaced product will be returned to the sender.

**Effective December 1, 2010. This return policy and limited warranty supersedes all previous policy and warranty statements. Policies and warranties are subject to change without notice. Hotchkis Performance is not responsible for printing errors.**