Front Sway Bar Installation Instructions

Tools Required:

- Hydraulic jack and jack stands or service lift
- Wrenches and Sockets – 7mm, 17mm, 18mm, 24mm
- Long extension for sockets

Installation:

1. Lift the front of the vehicle and safely support with jack stands under the cradle.



2. Remove both front wheels and tires.

3. Using a **7mm** socket, remove all of the small screws that retain the underbody plastic cover as shown in **IMAGE 1**. There are also various clips that can be removed with a flat head screwdriver.

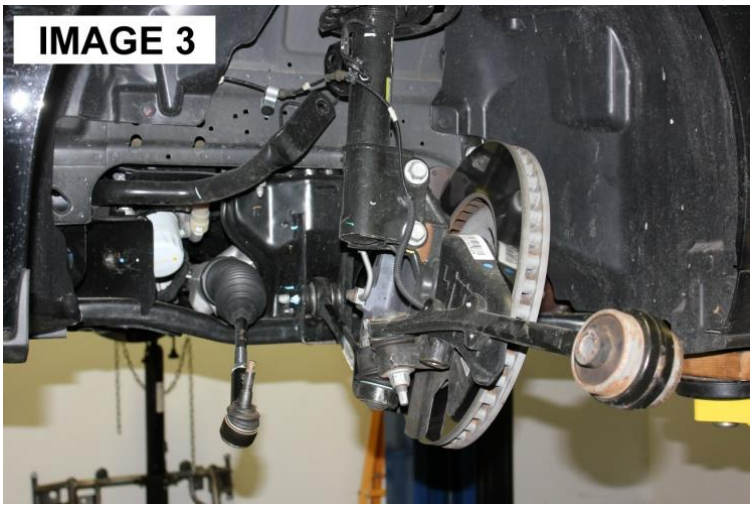
4. Using a **17mm** and **18mm** wrench, remove the end links. **IMAGE 2**



5. Remove the driver's side tie rod at the spindle using an **18mm** socket. Knock it loose from the spindle using a brass hammer or tie rod removal tool

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6. Remove the radius rod bolt using a **24mm** socket and then swing the entire spindle and radius rod out of the way as shown in **IMAGE 3**

NOTE: On the driver's side one of the sway bar saddle bolts is located under the alternator and needs to be removed with an 18mm wrench through the wheel well. It is optional, but removing the intake tube, intake air box, radiator shroud/fans, and unmounting the coolant overflow tank will give you additional clearance in the engine bay in order to install the new sway bar

7. Using a ratchet with an **18mm** socket and long extension, remove the sway bar saddle bolts on the cradle through the top of the engine bay.

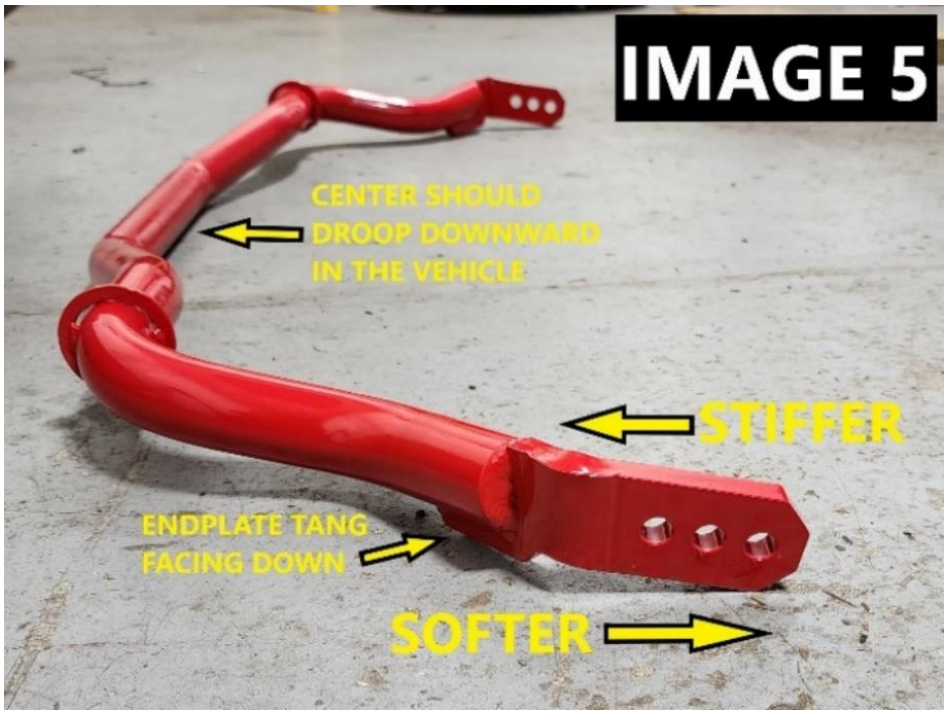
8. Pull the sway bar out the driver's side wheel well, rotating as necessary until the bar is completely out. **IMAGE 4**



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9. Install the BMR sway bar the same way, rotating as necessary until it is in position. It is possible to install the sway bar upside down however it will not fit properly. Installed correctly the bar should match **IMAGE 5** with the center bend drooping downward.



10. Lube the insides of the supplied polyurethane bushings with synthetic grease (we recommend Super Lube p/n **SUL41150**) and install them over the sway bar. Place the saddles over the bushings, lining them up with the mounting holes.





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11. Place the supplied spacer shims underneath the sway bar bushings in line with the saddles.

12. Re-install the stock sway bar saddle bolts

13. Re-install the tie rod and the radius rod. Tighten all bolts

14. Install the endlinks selecting the desired stiffness. Refer to the table below. The furthest forward holes are the stiffest and the rearward hole is softest. **IMAGE 5**

15. Re-install the underbody plastic.

16. Re-install wheels/tires. Lower vehicle.

Sway Bar Rate	
Hole Position	**Lbs/in**
1 Softest (furthest rearward)	1158 (83% stiffer than stock)
2	1361 (115% stiffer than stock)
3 Stiffest (furthest forward)	1624 (157% stiffer than stock)



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Front Sway Bar Installation Instructions

Attention: Polyurethane and Delrin bushings must be properly lubricated with a full synthetic grease only

A full synthetic grease must be used to lubricate the inner sleeve via the grease fitting, contact points such as the outside faces of the polyurethane bushing must also be greased. We recommend Green Grease/Super Lube full synthetic grease for best results.



Do not install bushings dry. Lack of proper lubrication may cause squeaking, binding, premature wear, reduced performance, or damage to the bushings and related components. Bushings should be inspected and re-greased as needed, especially in harsh driving conditions or high-use applications.

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