



22mm Rear Sway Bar

2015-02-20

SUSPENSION INSTALLATION NOTE

Installation of this product is a modification to the vehicle suspension. As a result, the vehicle may handle differently than that of factory-equipped vehicles. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive this vehicle safely may result in serious injury or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state or country. Consult your owner's manual, service manual, instructions accompanying this product, and local laws before undertaking these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

Thank you for purchasing this ALTA product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation. We can be reached in any of the following methods:

Email Tech@ALTAperformance.com

Instant Chat off the main page of www.ALTAperformance.com

Or simply call our tech team at 503-693-1702

SPECIAL NOTES:

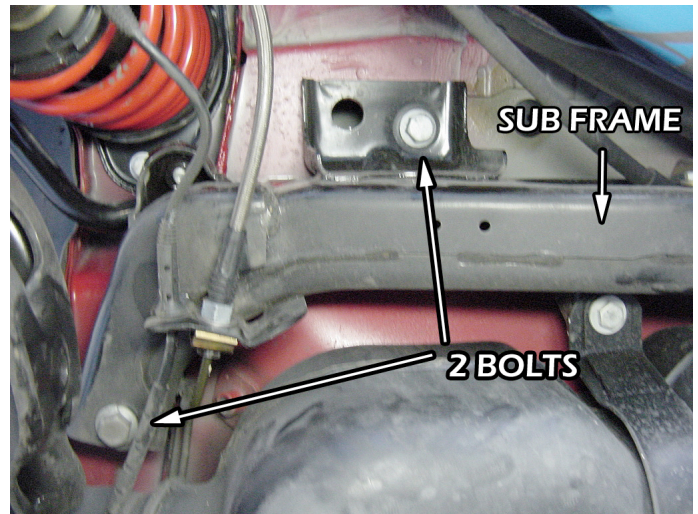
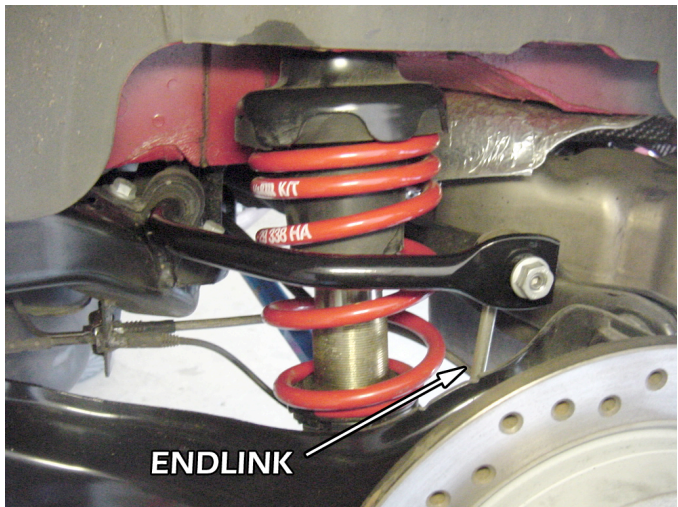
- Use of the factory service manual can be very helpful during the installation. These can be purchased at the dealership or online. <http://www.realoem.com> has diagrams for the entire car, which can also be helpful.
- It is critical that all bolts and nuts are tightened; improper tightening can cause serious injury or death.
- Take extra precaution when driving car after sway bar is installed. The handling of your car will change dramatically!

Parts Included with your Sway bar

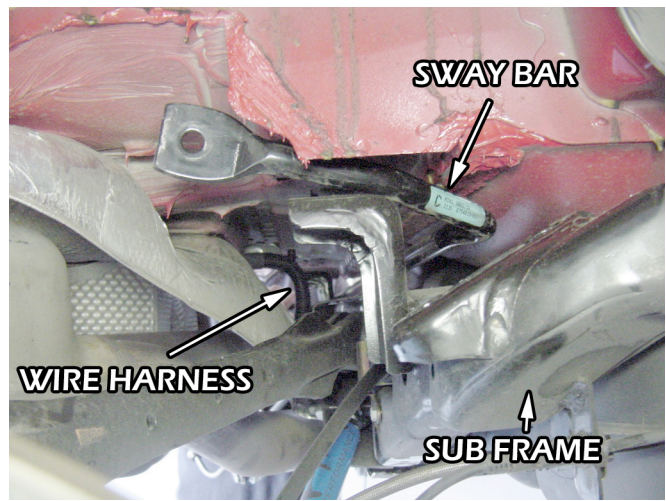
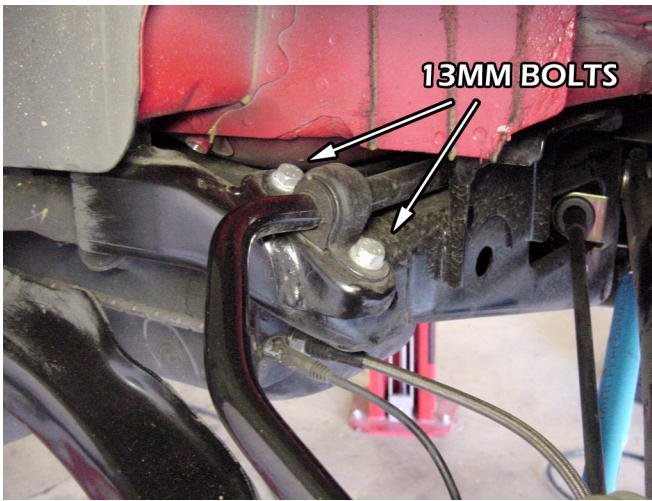
- (1) 22mm Alta 3 setting rear sway bar.
- (1) 22mm (9.5177) Bushing packet.

Removal of factory sway bar:

1. Raise rear of vehicle onto jack stands or use commercial vehicle hoist.(NEVER WORK ON A VEHICLE SOLELY SUPPORTED BY A JACK!)
2. Remove both rear wheels.
3. Remove factory end links from both sides of vehicle. Endlink is indicated in left picture below.
4. Remove passenger side strut/spring assembly. (2) 13mm bolts and (1) 21mm bolt. Use care when disconnecting ABS and brake fluid lines from clips on strut. Repeat strut removal on driver side. Left picture below shows strut.
5. Remove (4) 16mm bolts connecting rear sub frame to chassis. Right picture bellows indicates bolts to be removed. NOTE: Convertibles have one extra bolt securing sub frame to chassis that needs to be removed. This is located in the center of the sub frame.



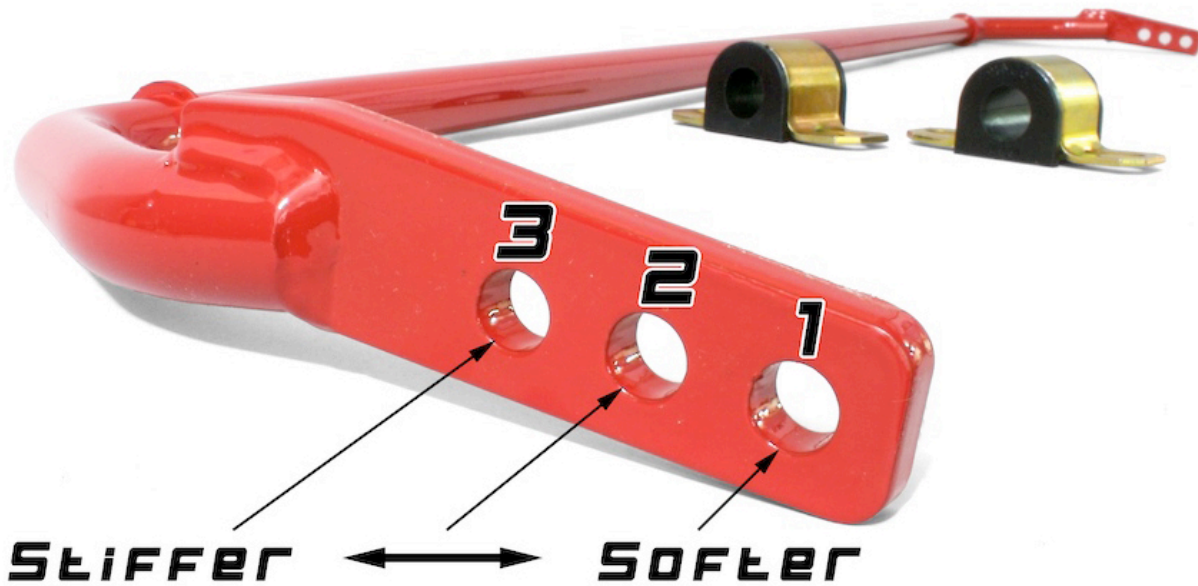
6. Remove sway bar bushing clamps from both sides of vehicle.(2) 13mm bolts each side. Left picture below indicates bushing clamps.
7. Remove sway bar through drivers' side of car. Use caution not to snag wire harness. Note: Rear sub frame may need to be pulled down to help facilitate ease of removal. Right picture below indicates, wire harness, and how far sub frame needs to be pulled down.



Installation of new bar:

1. Route new bar through same area as stock bar was removed. Again, rear sub frame may need to be moved to help ease the installation, and use care around factory wire loom. **Install sway bar as shown in the picture below, with small flange on top.**
2. Place new bar in the approximate final installed position.
3. Generously lube each bushing inside and out with supplied grease and place each over new sway bar. Note: Place each bushing in same position as factory bushings removed prior!
4. Install new sway bar bushing clamps over new bushings using factory hardware removed prior. (2) 13mm bolts each side.
5. Re-install (4) 16mm bolts through sub frame and into uni-body. Tighten to factory specs prior to proceeding!
6. Re-install both strut/spring assemblies removed in step 4 above. Note connect both sides to the body (2) 13mm bolts each side before connecting (1) 21mm bolt each side to sub frame. This will aid in installation and tightening of sub frame in step 6 below. Tighten all fasteners to factory specs.
7. Connect factory end links to desired position on sway bar. There are 3 settings to the sway bar. The hole closest to rear of vehicle will result in less oversteer, settings closer to the front of vehicle will result in more oversteer.
8. Re-install rear wheels and tighten lug bolts to factory specs.
9. Lower vehicle and test drive! If squeaks are present in the rear of vehicle after install, add additional lubrication to sway bar bushings.

NOTE: THE HANDLING OF YOUR VEHICLE WILL BE AFFECTED DRAMATICALLY WITH THE INSTALLATION OF THIS SWAY BAR AND THE END LINK POSITION YOU CHOOSE. DRIVE VEHICLE CAUTIOUSLY UNTIL YOU BECOME FAMILIAR AND ACCUSTOMED TO THE NEW HANDLING CHARACTERISTICS OF YOUR VEHICLE!



Percentage Increase in stiffness over OEM 17mm bar

	Setting #3	Setting #2	Setting #1
ALTA 22mm	330%	260%	213%

Questions, Comments and Suggestions Contact: Tech@ALTAperformance.com
 Visit Our Website for Instant Chat Options at <http://www.ALTAperformance.com>
 Call Our Tech Team at 503-693-1702