



## MINI FRONT SWAY BAR ENDLINKS

2012-08-14

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](mailto:Tech@ALTAperformance.com)

Instant Chat off the main page of [www.ALTAperformance.com](http://www.ALTAperformance.com)

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

### 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.

### 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.
- Lowered Mini's need the front endlinks lengthened in order for proper rod end to swaybar alignment.
- Endlink mounting point (at swaybar) needs to be parallel to endlink rod while at normal ride height.
- Damage can occur if endlinks are not lengthened to allow swaybar mount to become parallel to endlink rod.

### Parts Included with R53 Front ALTA Endlinks:

- (2) Red Wrinkle Finish Aluminum hex rods 9" long
- (2) Studded Right hand threaded rod ends and jam nuts
- (2) Studded Left hand threaded rod ends and jam nuts
- (8) 3/8" washers
- (4) 3/8-24 nuts
- (4) 3/8 split washers



## ***ENDLINK INSTRUCTIONS:***

- 1) Raise vehicle onto jack stands or use commercial vehicle hoist. NOTE: NEVER WORK ON A VEHICLE SOLELY SUPPORTED BY A JACK!
- 2) Starting on one side of the vehicle, loosen and remove (2) 14mm nuts connecting end link to sway bar and control arm.
- 3) Remove end link.
- 4) Adjust new end link to same length as original or longer if on a lowered car.
- 5) Using (Fig 1) Bolt one end onto sway bar. NOTE: Order of spacers, washers, bolts and nuts is critical to proper function.
- 6) Repeat steps 2) through 5) on opposite side.
- 7) Double check tightness of all hardware and connections. Tighten nuts to 25ft-lbs.
- 8) Lower vehicle from jack stands. Test-drive vehicle carefully. Listen for any new noises from rear suspension. If noises are noted raise vehicle again and check installation.

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