

ALTA

MINI PERFORMANCE

FRONT R53 SWAY BAR ENDLINKS

09282010

Thank you for purchasing the ALTA Performance end links. Installation of this kit should only be performed by persons experienced in the installation and proper operation of MINI Cooper Suspension systems.

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

Checked By _____

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.



SPECIAL NOTES ABOUT THIS PRODUCT: Many modifications (and combinations of modifications) are not recommended and may NOT be permitted in your country, state or other form of local government. Consult your owner's manual, instructions for each product and all laws before undertaking these modifications. The owner and user are solely responsible for the legality and safety of the vehicle you modify using these components! ALTA and PERRIN Performance are not responsible for any physical or financial damages as result of proper or improper installation, usage or ownership of this product.

Use of this suspension product will result in a change in the handling characteristics of your vehicle. As with ANY vehicle, extreme care must be taken to prevent loss of control or roll-over during all driving 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! Once installed do NOT drive the vehicle unless you are familiar with its unique handling characteristic and confident in your ability to maintain control under all driving conditions.

Questions? Please contact us prior to proceeding with installation or use. Contact information is located on this page.

PARTS TO GO WITH YOUR ENDLINKS:

- ALTA control arms
- ALTA 19mm or 22mm rear swaybars
- ALTA PSRS front control arm bushing replacement.

For questions & comments please contact
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AIM contact ALTAPERRINSALES