

POSITIVE STEERING RESPONSE SYSTEM

for 2002+ Mini Cooper S and Standard

2013-01-22

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 whickes. If which needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional which looks for salety of the installation are installation. The installation are installation are installation and the property. 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 out set he 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

SUSPENSION INSTALLATION NOTE

Suspension 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 relieved wings share pursons a product in a modification to the vehicle may be required. Failure to drive this which safely may result in serious injury or death. Do not drive this which even less you are familiar with its unique handle characterizations and are confident of or during this control was a familiar with its unique and may not be permitted in your status or country. Country your overwind. Interesting extremalizations commanding that prefixed in the commandation of the production. You are responsible for the legislity and safety of the vehicle you modify using these components.

SPECIAL NOTES:

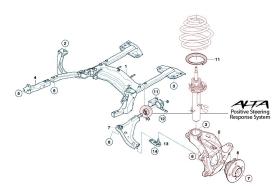
- L. N. U.E.:

 A hydraulic press is needed for removal and installation of F.S.fl.S.

 A profusional 4 wheel alignment is necessary after installation. Its recommended that vehicle be towed to alignment shop before driving. If any driving is required before alignment, take extreme care, ASMIC TDs not reprosible for any damage that may occur prior to alignment of vehicle.

Parts Included with ALTA PSRS

- (2) PSRS bodies (2) PSRS Urethane ball joints (1) Grease Packet



Removal and Installation:

- 1) Park car on a smooth level surface. Using suitable commercial vehicle hoist or floor jack, raise vehicle onto jack stands. NEVER WORK UNDER A VEHICLE SOLLEY SUPPORTED BY A JACKI DEATH OR NUJEW MAY OCCUR.

 2) Using factors service manual for reference remove both front control arms from vehicle. This will require the use of proper ball joint removal tools and or air hammer with proper inserts.

- 3) Locate black steel mount containing rubber OEM control arm bushing (This is bolted to sub frame). Sub frame will have to be lowered to access botts holding rear control arm mount. Carefully place jack under each side of sub frame and remove bolts holding it to chassis. Remove (8) bolts at the back, (2) large bolts next to strut. Remove (2) bolts securing control arm mounts to chassis.

 1) Lower sub frame roughly 3–47. Some pulling down may be needed to gain access to hardware holding mount to subframe. NOTE: Take care not to pull too far, as this can damage other items still connected to sub frame like the power steering system.

 5) Remove (2) bolts on each side securing sway bar, and control arm mounts to sub frame. Push sway bar up and out of way, and remove mounts. Make sure to keep track of orientation of mounts left to right, and front to back.

 1) Using a hydraulic press and proper sized bushing, press OEM rubber bushings out of mount. NOTE: You can purchase proper bushing from your Mini dealer to make installation easier.



7) The ALTA PSRS can be pressed into the mount in many ways. See below pics demonstrating the different effects. Once you have determined where you want to press the PSRS into the set PSRS with logo facing the front of the car, and press completely into bushing mount. It is important to press on the body of the PSRS not bushings.



Option #1 provides most caster, roughly (1.5 degrees)

Option #2 provides added caster, roughly (.75 degrees), and added anti-lift.

- | Install PSSS and mount back to subframe, same orientation as it was removed earlier. Reinstall hardware holding swaybar bushings and brackets to subframe. Igibten blots factory specs.
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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