



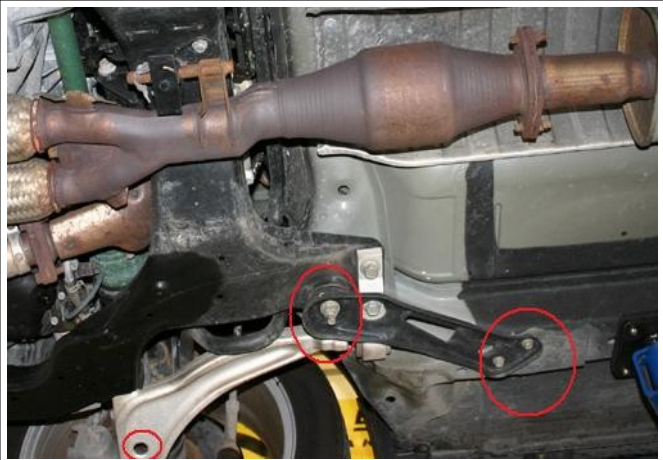
## Installation Instructions--Racingline 02-06 Altima/04-08 Maxima--TR-31 Traction Rods

### Included Items

- 2 turnbuckles
- 2 Aluminum spacers
- 2 LH Hiem Joints
- 2 RH Hiem Joints
- 4 bolts
- 4 nuts
- 8 Safety Washers
- 4 Reg. Washers

### Tools Needed:

- Ratchet + 12mm,19mm or 3/4" sockets
- 19mm, 16mm and/or adjustable wrench
- Jack Stands
- Floor Jack



1. Best way to install the TR31 kit is with the car lifted on ramps however a lift or jacks stands will work also. If using a jack safely raise and support the vehicle with 2 jack stands, placing them on the frame rails behind support brace shown at right.

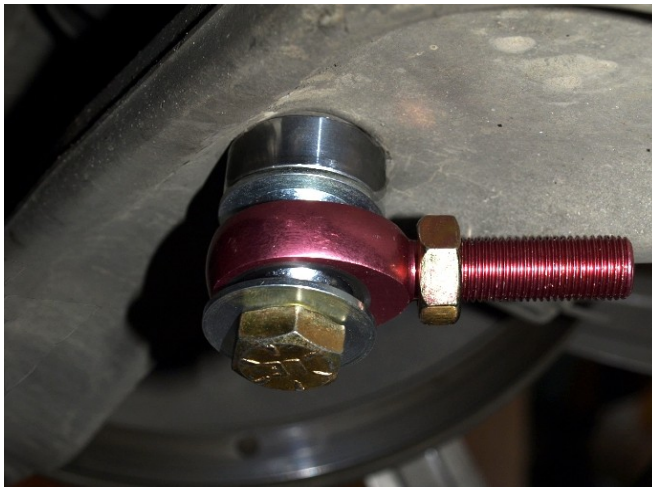
2. Remove the large 19mm subframe nut (center circle), and loosen the 2 12mm bolts at the rear of the brace



3. Insert the supplied black bracket in between the subframe and the brace shown above. **DO NOT RE-TIGHTEN THE 19MM NUT AT HIS TIME.** Simply finger tight will do.



4. Due to the Control arm being a CAST part, the hole pictured above may be slightly different in each application. Check that your spacer will fit freely and securely. If not you may have to file or dremel this hole very slightly (less than 1mm overall).



**5.** The above illustration shows the correct sequence of parts for the front assembly. Bolt--Safety Washer--Hiem Joint--Safety Washer—Spacer--Control Arm.  
NOTE: the spacer has a flat edge which is ment to go against the ridge shown on the left side of the above image.



**6.** On the top side of the control arm install the washer and nut. Note that the washer will need to bend to the shape of the control arm on one side, This will happen naturally as you tighten it down. Please ensure that the washer is completely flat to the surface of the control arm and tight before driving the vehicle.



**7.** Lower the car and install the remaining pieces of the TR31 assembly as shown above. Be sure to position the black bracket so that the Hiem Joint inside is perfectly centered and not leaning to one side. You may need to shorten or expand the assembly. Once positioned properly both sides should spin feely. You may now tighten the 19mm nut and 2x12mm bolts from the chassis brace as well as any other harware pieces that remin loose.



**8.** You can now also tighten the 2 nuts that are on the shaft and lock the rod to the turn buckle using a 16mm wrench or adjustable wrench and a 19mm or 3/4”.

The final assembly should be tight with the joints allowed to spin freely if you turn them by hand.

Depending on the necessary settings needed, you may extend or retract the traction rod assembly to hold certain toe-in or toe-out characteristics that may be desired based on current alignment settings or vehicle/track setup

You are now ready to drive the vehicle but please be responsible to those that share the road/track with you.