



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

Included Items

- 2 turnbuckles
- 2 LH Hiem Joints
- 4 bolts
- 8 Safety Washers
- 4 polyurethane bushings
- 2 RH Hiem Joints
- 4 nuts
- 4 Reg. Washers

Tools Needed:

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



1. Safely raise and support the vehicle on ramps or a 4 post lift. There must be weight on the front tires for final assembly. If using Jack stands finall tightening must be performed with the tires on the ground (STEP 7)

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

3. Insert The Black bracket supplied with the TR-31 kit in between the subframe and the brace as shown above. Do not install rodend or shaft as this time.

DO NOT TIGHTEN THE 19MM NUT UNDER THE BRACKET AT HIS TIME. Finger tight will do.



4. The illulstration (on left) shows the correct sequence of parts for the front assembly

(Bottom view). Bolt--Safety Washer--Hiem Joint--Safety Washer—bushing--Control Arm.

The bushings should compress roughly 25% of thier original size



5. The above illustration shows the correct sequence of parts for the front assembly (**Top view**) --Control arm—bushing--washer-- nut-- nut.

Be sure to use both nuts supplied to prevent the possibility of the nuts backing out due to pressure from the bushings. With both nuts installed and tight, loosen nut #1 while AT THE SAME TIME tightening nut#2

6. If you are not using ramps or a 4 post lift you can now lower the car to the ground. The front wheels must be on the ground and suspension compressed for the final step.



This is to ensure excessive preload is not placed on the control arm and to make sure the angles are correct.

7. With the rods connected to the control arm, position the remaining components into the black bracket shown in step 3 and ensure the bracket is not shifted to one side. It should be center to the traction rod. (as pictured above)

8. Once aligned, tighten the 19mm nut on the bottom of the subframe and all other hardware



9. **The** turnbuckles should spin loosely and freely at this point. Once at this stage you can expand the Traction Rod assembly to apply some load to the control arm if desired. Only a few turns are necessary.

10. You can now tighten the 2 nuts that are on the ends of the turnbuckle and lock the heim joints to the turnbuckle using a 16mm (or 5/8) wrench and a 19mm (or 3/4").

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