

Rusty's Adjustable Front Track Bar RC-TB122-UV INSTALLATION INSTRUCTIONS

Last Revised: 01/04/2017

Introduction:

Rusty's recommends that this installation be performed by a certified automotive technician or a person with professional mechanical knowledge. Installing this kit without this expertise may jeopardize the handling and safety of the vehicle.

Read instructions several times before starting. Be sure you have all the needed parts and know where they install. Read each step completely as you go. Exhaust modifications may be necessary. Prior to drilling or cutting, check behind the surface being worked on for any wires, lines, or hoses that could be damaged. After any drilling or cutting, remove burrs and grind smooth any surfaces. An inclinometer or similar tool may be needed to measure driveshaft angles before and after the installation.

Warning:

- It is the owners' responsibility to inspect all Rusty's products for proper torque specs to prevent loosening of components.
- Seat belts and shoulder harnesses should be worn at all times.
- Re-check all bolts and nuts after the first 100 miles and after any off-road usage during the first 300 miles.
- Although all of our products are made from the highest quality materials possible, they are not a substitute for Safe and Careful driving. In other words, have good safe on-road / off-road sense. Know the terrain, the speed limitations, and any obstacles that may lie ahead. Please remember to preserve our right to enjoy public land through the proper use of off-road vehicles.

Before Starting Installation:

1. Carefully Read all warnings and instructions completely before beginning.
2. Verify all parts have been received in this kit by checking the parts list on page#2 of this document.
3. Only install this kit on the vehicle for which it is specified.
4. Park the vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
5. Be certain the vehicle is safely secured on jack stands or a vehicle lift prior to working around or under a vehicle. Never rely on a jack alone to support a vehicle's weight; use appropriately rated stands to support the vehicle's frame and any other heavy components.

Parts List:

Note: Please be sure that you have all the provided parts listed below before continuing with the installation.

Part #	DESCRIPTION:	Quantity
RC-TB122-UV	Rusty's Adjustable Front Track Bar (2.75"-5" of Lift)	1
52005739L	Steering Tie Rod End (M22 x 1.5 LH Thread) (Pre-Installed) (Contents Below)	1
05895719	1/2"-20 Castle Nut (Qty:1 Per Pack)	
67979724	3/32" Diameter x 1-1/2" Long Cotter Pin (Qty:1 Per Pack)	
03244860	1/4"-28 Thread Straight Head Standard Grease Fitting (Qty:1 Per Pack)	
RS-JN22M-L	Rusty's Jam Nut (M22 x 1.5 LH Thread) (Qty:1 Per Pack)	
MO2327	Track Bar Replacement Bushings (MO2327) (Pre-installed) (Contents Below)	1
MO2327-H	MO2327 Bushing Half (Qty:2)	
MO2327-10S	10mm I.D. x 5/8" O.D. x 1-5/8" Length Bushing Sleeve (Qty:1)	



NOTE: Refer to this chart for Rusty's track bars manufactured prior to December 1st 2007 for replacement tie rod end.

52005740	MOOG Part # ES3095R	RH Threaded	Overall Length: 6-1/8"
52000599	MOOG Part # ES2223R	RH Threaded	Overall Length: 5-3/8"
J8136600	MOOG Part # ES140R	RH Threaded	Overall Length: 3-7/8"



For Questions or Suggestions, contact our Tech Department (256-442-0607)

Installation Instructions

Note: Save all factory components and hardware for reuse, unless noted.

- 1.) Properly block and secure vehicle prior to installation.
- 2.) Remove the cotter pin and nut securing the factory track bar to the frame bracket.
- 3.) Remove the bolt and nut securing the factory track bar to the axle.
- 4.) Remove the tapered end of the track bar with a puller or pickle fork and remove the factory track bar from the vehicle.
- 5.) Install the new track bar at the axle mount by reusing the factory bolt and tab nut. (Torque Specs: 45 ft. lbs.)
- 6.) Before bolting to the frame, you will need to center the body over the axle. Look at the front of the vehicle to see if the axle is centered, if not unlock the steering wheel. Turn the steering wheel in order to shift the body over the axle until centered. Once centered lock the steering wheel and adjust the adjustable end of the track-bar to the proper length. Fasten to the frame mount using the supplied hardware. (Torque spec: 35 Ft. lbs.) Do not install the cotter pin at this time.
- 7.) Verify that the body is centered over the axle and that the track bar is adjusted correctly by taking measurements. This can be done several ways. We recommend measuring from the frame rails to the ball joints on opposing sides (i.e. driver side frame rail to passenger side ball joint, passenger frame rail to driver ball joint). Adjust the length of the track bar as necessary until the measurements are equal. Once satisfied with the adjustment, tighten the nut at the frame a final time (35 ft -lbs) and install the supplied cotter pin.
- 8.) Once adjusted to the correct length, add a drop of thread-locking compound to the jam nut and tighten. (Torque Specs: 55 ft. lbs.)

Final Notes:

- 9.) Important: After the track bar is adjusted to the correct length and all hardware is torqued to specs, verify adequate thread engagement in the track bar. The tie rod end has approximately 2.5 inches of threads, while at least one inch of thread needs to be engaged in the bar. Measure the amount of exposed threads outside the jam nut. The amount of threads showing should not exceed 1.25 inches. If there is more than 1.25 inches of exposed threads beyond the jam nut, double-check your measurements to ensure the axle is centered. If there is still more than 1.25 inches of exposed threads, then the vehicle is lifted more than this track bar is intended to accommodate. Contact Rusty's technical support for further assistance.
- 10.) Lubricate the adjustable end of the track bar's grease fitting with a non-petroleum based grease. Service the end as part of every oil change and chassis service
- 11.) Installation is now complete. At this point there should be no remaining new parts except for any supplied stickers.
- 12.) We recommend keeping any remaining factory components and hardware until the vehicle is test-driven and verification that all components operate as intended and desired.
- 13.) We strongly recommend having a professional wheel alignment performed, as an adjustable track bar can impact certain alignment adjustments. At minimum the toe needs to be checked, and often the steering wheel needs to be re-centered. Toe should be set to factory specifications. Steering wheel centering can be done by adjusting the drag link. If unfamiliar with how to make these adjustments, take the vehicle to a professional.



WARNING

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