

Z1 OFF-ROAD FRONT SWAY BAR END LINKS INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2005-2015	Titan A60
2016+	Titan A61

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Off-Road Front Sway Bar End Links, consult with a Professional Mechanic or contact Z1 Off-Road for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	2	Assembled End Link
2	4	Nylon Locknut
3	4	Washer

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets (up to 22mm)
- Assorted Metric Wrenches (up to 22mm)
- Torque Wrench
- Hammer
- Grease Pump
- Grease

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Only operate drivetrain in safe space and well-ventilated areas.

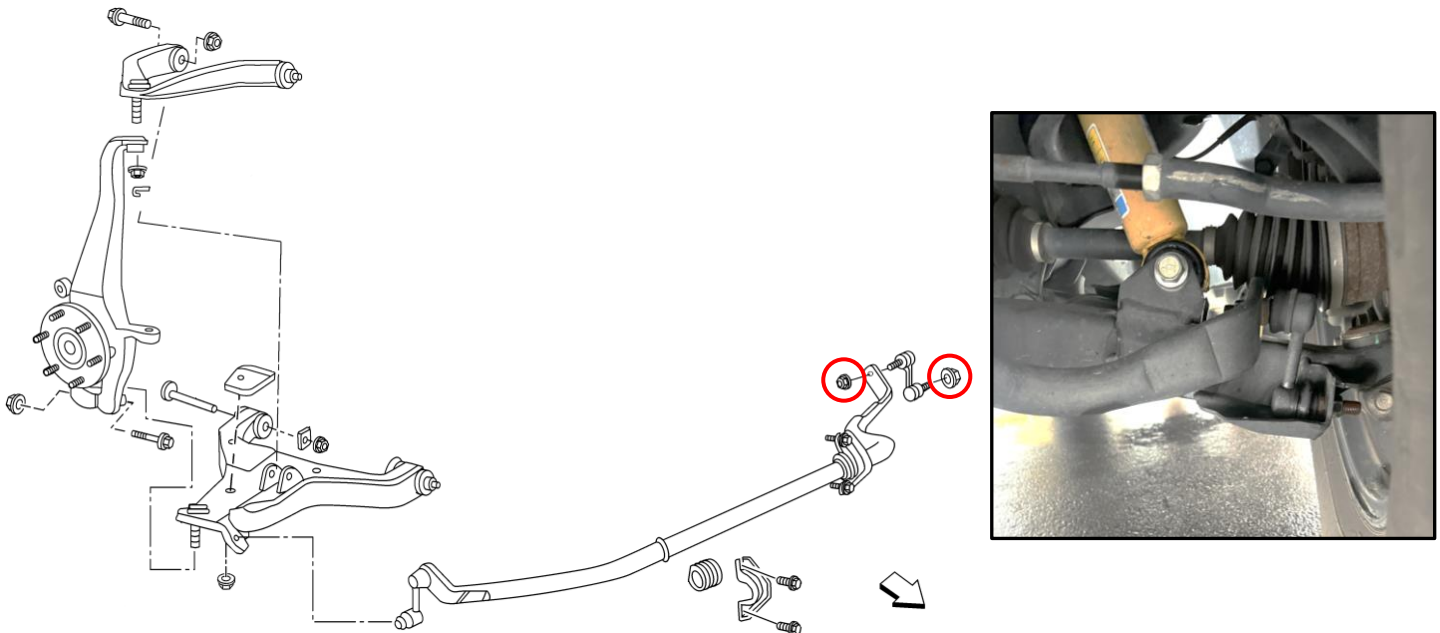
BEFORE YOU BEGIN:

Remove contents from the Z1 Off-Road Front Sway Bar End Links and verify that ALL necessary hardware is present.

PROCEDURE:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.

Use the diagram and picture below as reference for the following steps:



3. Remove the (2) nuts on each side of the vehicle securing the OEM sway bar end links to the sway bar and the lower control arms (the nuts are circled in the diagram above).
4. Remove OEM end links. You may need to hit the end with a hammer if they are stuck.
5. Locate Z1 Off-Road End Links. Remove the provided nuts and washers from the threaded ends and ensure the grease fittings on the ends are tight.
6. For stock ride height trucks, set the Z1 end links next to the OEM end links and adjust the Z1 end links length to match the OEM ones. To do this you will need to loosen the jam nut in the middle, then rotate the bottom half to thread it in or out. Once the length is set, tighten the jam nut. For lifted trucks, you should extend the length so that when the vehicle is on the ground the sway bar is parallel to the ground.
7. Position Z1 end links onto vehicle with the female end (the one with the Z1 Off-Road logo) on top, as shown at right.
8. Secure the Z1 end link to the sway bar and lower control arm with the provided washer and nut. Torque nuts to 62ft-lbs for A60 Titans (2005-2015) and 68ft-lbs for A61 Titans (2016+).
9. Using red axle grease or equivalent, add grease into both grease fittings on each end link until you notice some grease come out of the boot or the boot start to swell up. Do not overfill the boot to the point that it tears.
10. Check vehicle for loose tools/items.
11. Properly lower vehicle from jackstands.
12. Perform a final test drive of vehicle.



END

Additional Technical Support:

Contact Z1 Off-Road at info@z1offroad.com
Or call 678-839-8019 between 9am and 6pm ET