

# Fitting Instructions #TRC4307LNKIS

Nissan Patrol GU/GQ Y61

**Swaybar Link Pin for Rear Driver, Front Passenger and Front Driver Positions**

Note: This is the suggested method of installation for the sway bar link pins. This upgrade/repair should be undertaken by a skilled technician or mechanic.

Contents:

- 1 x 270mm Link Pin Rod
- 2 x SPF2755 Polyurethane Pin Mount Bushings
- 1 x M10 Nyloc Nut
- 1 x M14 Lock-Nut
- 2 x Cupped Washers
- 1 x Rod End (w/ Grease Nipple)
- 1 x Ø10mm Bolt and Nut Assembly (w/ Ball Joint Cuffs) (For Rear)
- 1 x Ø12mm Bolt and Nut Assembly (w/ Bal Joint Cuffs) (For Front)



Preparation:

This kit can be fitted to three of the four positions on the vehicle; these are listed in the heading and installation procedures differ between the three. The link's length is also dependant on the vehicle's ride height and as such, careful attention is required when ensuring the correct length is utilised in the vehicle. Please follow the appropriate instructions below.

## **Rear Driver's Side Position:**

Note: It is recommended to replace, one side at a time.

- Raise the vehicle to allow for ease of access to the link pin. (Optional)
- Remove the pre-existing link pin.
- Identify the amount of thread required to be removed from the 270mm Link Pin Rod. This can be done by installing the upper assembly to the vehicle. (See Figure 01.)



Figure 1. Rear Driver's Side Upper Assembly

- Once the bushings show signs they are bulging, align the Rod End eye to the sway bar mounting eye and wind the lock nut to meet the Rod End and mark the thread with a marker (See Figure 2)



Figure 2. Installed Rear Driver's Side Link Pin

- If your sway bar is loose, the position the bar to point to a 10 o'clock position when facing the rear driver side wheel from the axle. If your sway bar is fixed by the pre-existing left link pin then you can proceed.
  - Remove the assembly from the vehicle, measure approximately 28mm from the marked point down and cut. (See Figure 3)

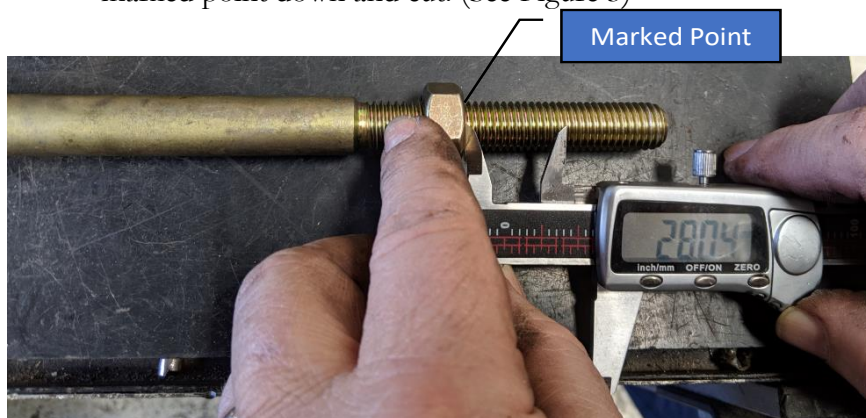


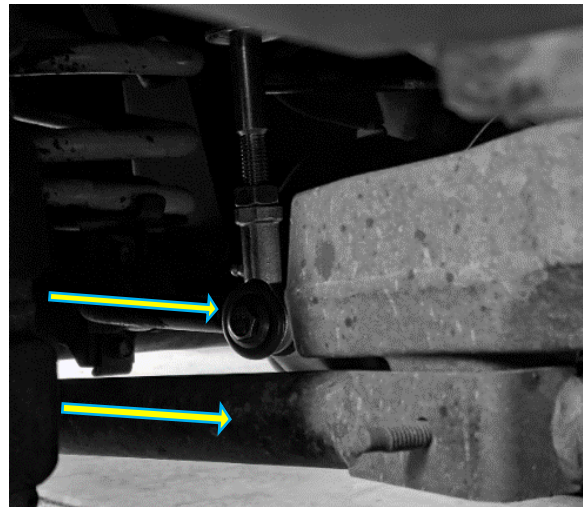
Figure 3. Trimming the Link Pin to Vehicle Specifications

- The Sway Bar Link Kit is now ready to install to your vehicle's specifications.
- Attach the resized Link Pin Rod to the vehicle; beginning with the upper assembly. (Again paying attention to only tighten until the bushes begin to bulge noticeably) (See Figure 02.)

(Note: Ensure that the grease nipple is facing towards the rear of the vehicle for protection. (See Figure 2)

- Screw on the Rod End assembly until the supplied Ø10mm bolt can be inserted through the two eyes and wind down the Ø14mm Lock nut and tighten.

Once your vehicle is sitting at ride height again, your sway bar should be positioned parallel with the nearby trailing arm. (See Figure 04) Adjust if necessary.



*Figure 4. Parallel Link Pin and Trailing Arm.*

### **Maintenance:**

Now that the hardware has been installed, the ball joints must be lubricated with grease via the grease nipples. This should be done **regularly** to maximize the lifetime and performance of the link pins.

It is imperative that care is taken whilst greasing the grease nipples as any failure in the grease nipple will limit the performance and lifetime of the link pin.

**All nuts must be re-tensioned after 1000km.**

## Front Driver's and Passenger Side:

Note: It is recommended to replace one side at a time. Driver's and Passenger's installation is identical and mirrored.

- Raise the vehicle to midway between ride height and full droop and loosen the link pin's nuts.
- Fully raise the vehicle and remove the pre-existing pin.
- Identify the amount of thread required to be removed from the 270mm Link Pin Rod. This can be done by installing the upper assembly to the vehicle. (See Figure 05.)

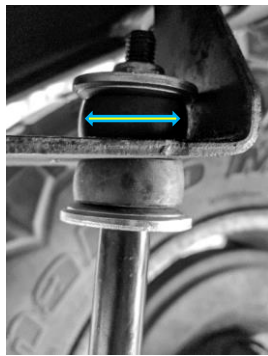


Figure 5. Rear Driver's Side Upper Assembly

- Once the bushings show signs they are bulging, align the Rod End eye to the sway bar mounting eye and wind the lock nut to meet the Rod End and mark the thread with a marker (See Figure 6)

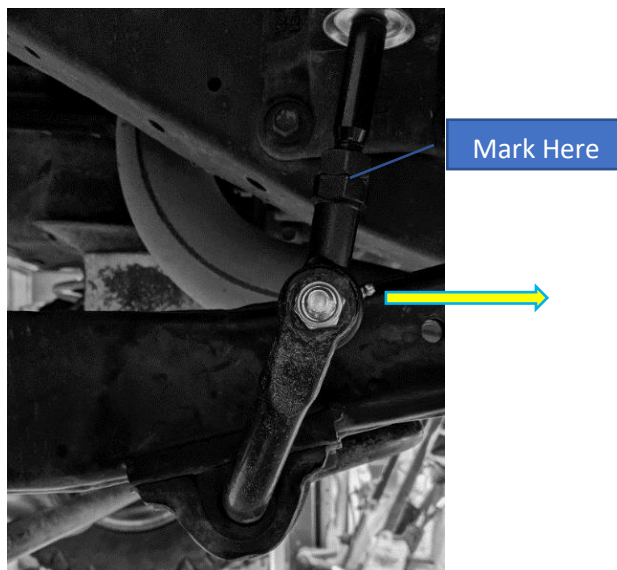
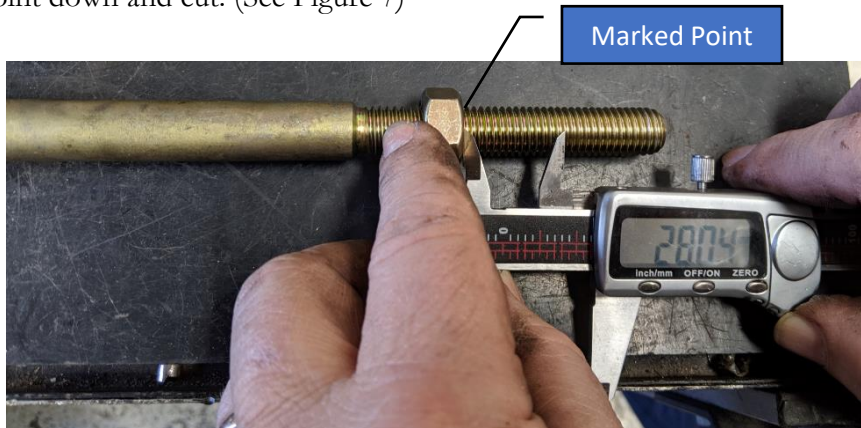


Figure 6. Installed Rear Driver's Side Link Pin

- If your sway bar is loose, the position the bar to point to a 1 o'clock position when facing the rear driver side wheel externally. If your sway bar is fixed by the pre-existing left link pin then you can proceed.
- Remove the assembly from the vehicle, measure approximately 28mm from the marked point down and cut. (See Figure 7)



*Figure 7. Trimming the Link Pin to Vehicle Specifications*

- The Sway Bar Link Kit is now ready to install to your vehicle's specifications.
- Attach the resized Link Pin Rod to the vehicle; beginning with the upper assembly. (Again paying attention to only tighten until the bushes begin to bulge noticeably) (See Figure 05.)
- Screw on the Rod End assembly until the supplied Ø12mm bolt can be inserted through the two eyes and wind down the Ø14mm Lock-Nut and tighten.

(Note: Ensure that the grease nipple is facing towards the rear of the vehicle for protection.)

### **Maintenance:**

Now that the hardware has been installed, the ball joints must be lubricated with grease via the grease nipples. This should be done **regularly** to maximize the lifetime and performance of the link pins.

It is imperative that care is taken whilst greasing the grease nipples as any failure in the grease nipple will limit the performance and lifetime of the link pin.

**All nuts must be re-tensioned after 1000km.**