



INSTALLATION INSTRUCTIONS



COMPONENT: ADJUSTABLE REAR LINKS

PART #: 87450

FITS: 2008-2020 TOYOTA LAND CRUISER 200 SERIES

PARTS LIST:			
ITEM #	PART #	QTY	ITEM DESCRIPTION
1	87451	2	UPPER LINK: LC 200 (EACH)
2	87452	2	LOWER LINK: LC 200 (EACH)
3	87453	1	PANHARD: LC 200
4	68051	2	INNER SLEEVE: REAR LOWER LINK
5	69708	2	INNER SLEEVE: REAR UPPER LINK
6	60684	6	BUSHING UNIVERSAL HALF - URETHANE: RED - 1.00" ID
7	60292	2	BUSHING UNIVERSAL FULL - URETHANE: RED - 1.00" ID
8	99875	4	HEIM SPACER: UPPER LINK - LC 200
9	99876	4	HEIM SPACER: LOWER LINK - LC 200
10	99877	4	HEIM SPACER: PANHARD - LC 200
11	11081	1	NUT: 8MM - 1.25 FLANGE HEAD NUT (ZINC)
12	FK-JMX14T770	2	HEIM: RHT 7/8 X 7/8
13	11378	2	NUT: 7/8" - 14 RHT JAM (ZINC)
14	FK-JMX16T	4	HEIM: RHT 1 1/4
15	FK-SJNR16	4	JAM NUT: 1.25" RHT
16	10005	5	ZERK FITTING: 1/4" - 28 90 DEGREE

REQUIRED TOOLS

- 12mm Wrench
- 24mm Wrench
- Hammer
- Ratchet Strap
(not required but very helpful)

IMPORTANT

- Before starting install, make sure the vehicle is supported securely on jack stands.
- When installing the bushings and inner sleeves, make sure that you install the sleeves with the large hole (Part # 68051) in the lower links and the sleeves with the small hole (Part # 69708) in the upper links.
- Apply generous amounts of grease to the outside of sleeves, outer face of urethane bushings and I.D. of the urethane bushings prior to install.
- When installing the zerk fittings take care not to over tighten them as they are hollow and can snap off. When fully installed they will not sit all of the way flush with the pivot, just insert them two or three rotations until they are snug. Don't forget to have them pointing in the right direction so you can get a grease gun onto them once the arms are installed onto the vehicle.
- If excess powder coat is in the zerk holes, re-tap using a 1/4"-28 tap to clean up the threads.

STEP 1

Lower Link Removal/Install: A ratchet strap or similar will be helpful in this section. Place the ratchet strap on the axle away from the lower link bar with the other end connected the frame or bracket close by. This is to ensure the axle from moving or rotating. With the ratchet strap in place make sure it is snug. You will be removing one side of the link at a time.

STEP 2

Loosen the front and rear link hardware on the side that the ratchet strap is on. Remove the hardware from the front and rear of the lower links.



STEP 3

Install the new lower link re-using the factory hardware. (we recommend using lock tight or thread lock on all hardware installed.) Tighten hardware with a torque wrench to 100ft/lbs. Repeat this process for the other side lower link arm.



STEP 3 CONTINUED

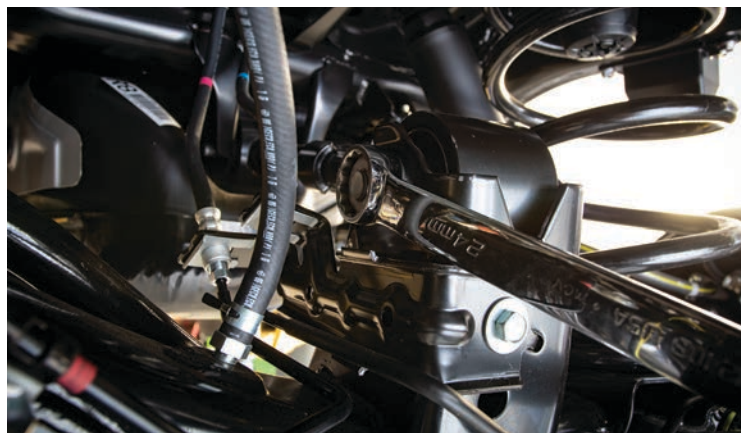


STEP 4

Upper Link Removal/Installation: Place the ratchet strap on the upper link bracket and other end to the frame or bracket close by. Tighten the strap until it is snug.

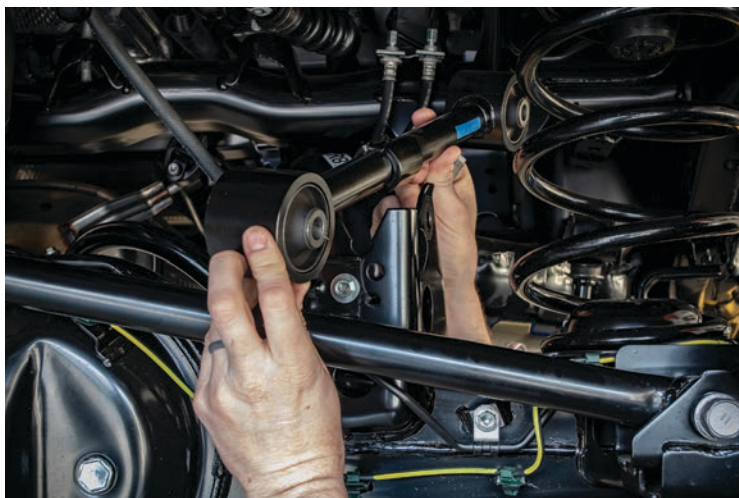
STEP 5

Remove the hardware from the upper link on the side you are working on, as well as the ride height sensor hardware (if applicable).



STEP 6

Remove the upper link from the brackets.



STEP 7

NOTE: Only follow this step if you have the ride height sensor on the left upper link. With the link removed from the vehicle, you will need to mark along the bracket on the link and use a disk cutter to cut off the stock bracket. Once removed you will also need to cut off the nut that is welded onto the bracket. With the tab cleaned up, you can bolt the bracket to the tab on the new upper link.



STEP 8

Install the new upper link with the existing hardware and torque to 85ft/lbs. Repeat this process for the other side upper link arm. (Gas tank side is harder to install, less room for working.)

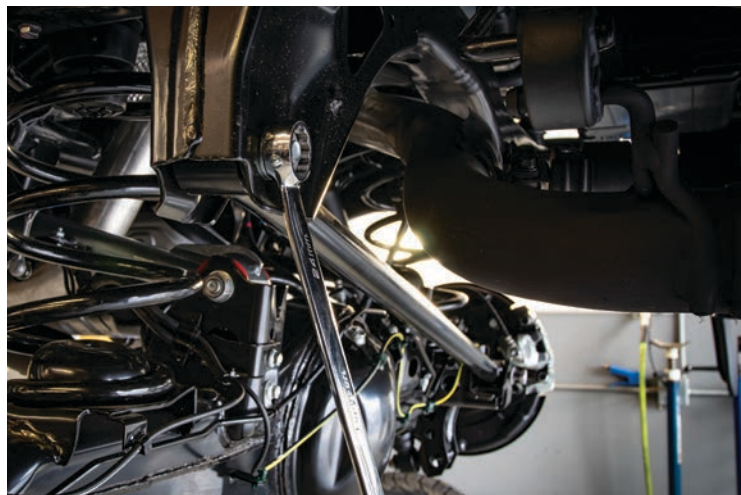


STEP 9

Panhard Bar Removal/Installation: Place the ratchet strap on the panhard bracket to the other panhard bracket and snug tight. This will ensure the distance is correctly maintained.

STEP 10

Remove the hardware from the panhard bar mount.



STEP 11

Remove the panhard bar.



STEP 12

Install the new panhard bar with the existing hardware. Use lock tight or thread lock on hardware to be installed. Torque to 100 ft/lbs.

Note: In most applications no adjustment will ever be necessary, only in cases of extreme lift where the amount of lift requires lengthening of the panhard bar to correct axle alignment at ride height.



ADJUSTABLE REAR LINK INSTALLATION IS NOW COMPLETE!

- Re-torque all hardware after the first 500 miles.
- You **MUST** grease the bushings with a grease gun upon the completion of install.
- Re-greasing is required every 3,000-5,000 miles to maximize bushing life and keep noise down.



FOR INSTALL QUESTIONS OR CUSTOMER SERVICE INQUIRIES:

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