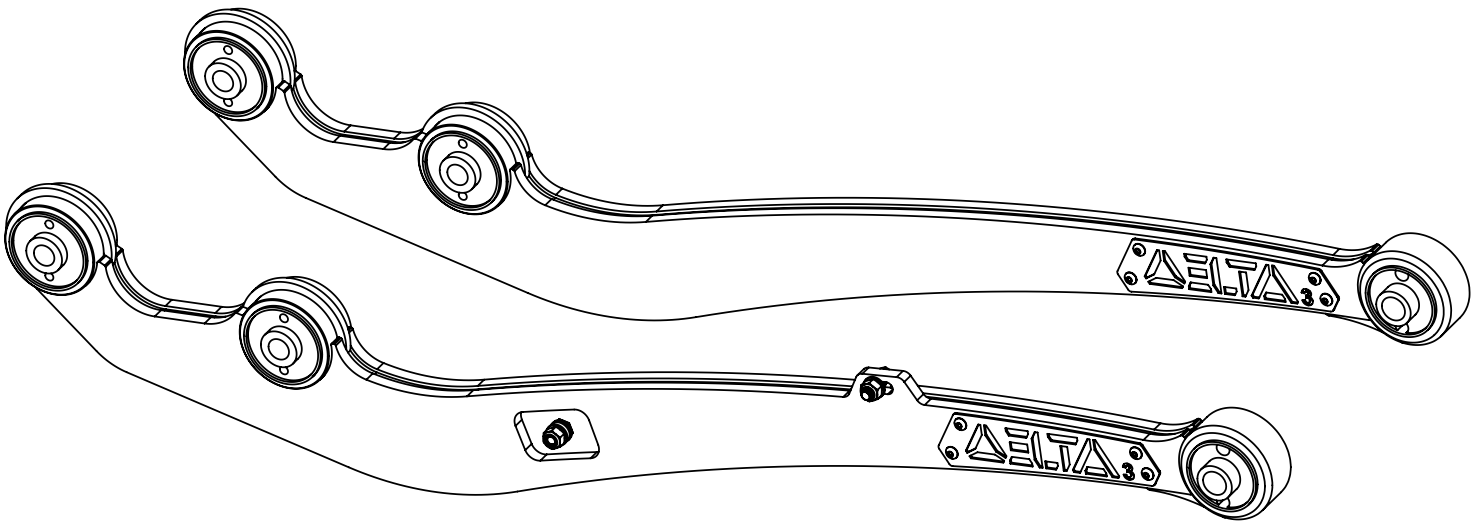




- 12280 – 3 INCH ___
- 12286 – 5 INCH ___
- 12292 – 3L INCH ___
- 12298 – 5L INCH ___

1991-1997 Land Cruiser and LX450 High Clearance Caster Correcting Front Radius Arms – 3, 5, 3L, & 5L Inch



Product shown is 3 inch set with optional OEM bushings installed

Overview

Congratulations on your purchase of the DELTA Vehicle Systems Land Cruiser and LX450 High Clearance, Caster Correcting Radius Arms. Foremost, these arms add the much-needed steering caster angle back into the axle which is lost from a suspension lift for GREATLY improved vehicle drivability and handling. Added clearance for steering rod, the sway bar, and the axle/chassis brackets increase front axle articulation and the off-road ability of your vehicle. The arms are manufactured with three layers of steel plate welded together in a laminate form for high strength. This design gives the arms a low profile and increasing clearance for larger than stock wheels and tires.

Packing List

ID Number	Description	Quantity	<input type="checkbox"/>
12277	3 Inch Radius Arm	1	<input type="checkbox"/>
12278	3 Inch Radius Arm ABS	1	<input type="checkbox"/>
12284	5 Inch Radius Arm	1	<input type="checkbox"/>
12285	5 Inch Radius Arm ABS	1	<input type="checkbox"/>
12290	3L Inch Radius Arm	1	<input type="checkbox"/>
12291	3L Inch Radius Arm ABS	1	<input type="checkbox"/>
12296	5L Inch Radius Arm	1	<input type="checkbox"/>
12297	5L Inch Radius Arm ABS	1	<input type="checkbox"/>
12279	ABS Hardware Pack	1	<input type="checkbox"/>
Optional:			
11694	OEM Hardware Kit	1	<input type="checkbox"/>
11695	OEM Bushing Kit (Pre-Installed)	1	<input type="checkbox"/>
Included in 12279 Hardware Pack:			
10821	M8x1.25 Nyloc Nut	2	<input type="checkbox"/>
10978	M8x1.25x25L Hex Bolt	1	<input type="checkbox"/>
11043	M8 Washer	5	<input type="checkbox"/>

Packaged by: _____

Required Tools

- 22mm or 7/8" socket
- 22mm or 7/8" box end wrench
- 24mm or 15/16" socket
- 24mm or 15/16" box end wrench
- Socket wrench
- Torque Wrench; Must be able to torque to 130 ft-lb. (177 N-m)
- 2 jack stands
- Jack

If your vehicle has ABS, you will also need the following:

- 12mm socket
- 1/2" or 13mm socket
- 1/2" or 13mm box end wrench

1

Support the vehicle frame with jack stands.

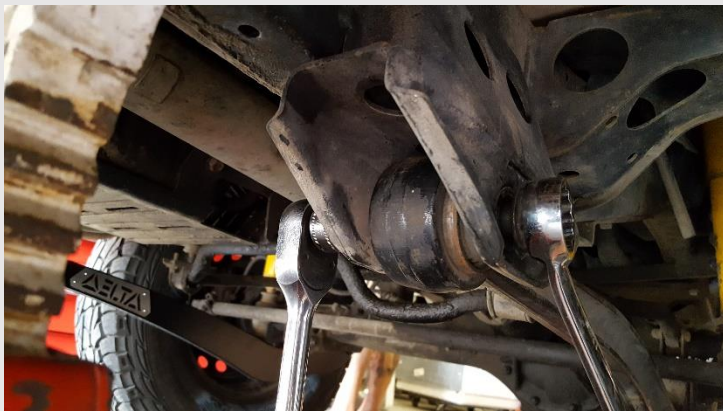


Jack the vehicle up slightly and place jack stands under the frame.

NOTE: The wheels should still be on the ground, the vehicle only needs to be supported by the jack stands, not held up completely.

2

Remove Chassis Side Fastener



With a 24mm or 15/16" socket and box end wrench, loosen the rearward radius arm nut; be sure to keep the bolt from rotating (i.e. spin the nut, not the bolt). Remove chassis side radius arm bolt.

If you have the 93-94 ABS wire on your left stock radius arm, unbolt it now with the two 12mm bolt holding it in place. Let the sensor wire/bracket dangle. These bolts can be discarded.

NOTE: If new OEM hardware was not purchased, the radius arm hardware will be reused, so be careful to not damage the threads during removal.

3

Remove Axle Side Fasteners



With a 22mm or 7/8" socket and box end wrench, loosen the forward radius arm bolts. In the case of the two forward fasteners, be sure to spin the bolt, while keeping the nut stationary (opposite of the rearward fastener).

4

Installation of DELTA Radius Arms: Rearward end



Place the rearward end of the DELTA radius arm into the mount on the frame.

Align holes and insert the largest (M18) bolt.

Thread the nut on but do not make it tight.

NOTE: Washer is placed against the nut.

5

Installation of DELTA Radius Arms: Forward end



Move the forward end of the DELTA radius arm into the mount on the axle.

Align holes and insert the two smaller bolts (M16).

Torque the forward fasteners to 130 ft-lbs. (177 N-m).

6

Torque Rear Fastener



Torque the rearward fastener to 130 ft-lbs. (177 N-m).

If you have 91, 92, 95-97 year vehicles then you are done and ready to hit the trail!

If you have a 93-94 with the ABS still dangling on the side of the arm then move to step 7.

7

ABS Sensor Wire Attachment



The arm has been removed for clarity. These steps will take place with your arm attached to the vehicle.

Remove the hardware zip tied to the ABS tab on the arm.

Pry the nut tab off the upper sensor bracket and discard. Bend the tab up so it can sit flush to the radius arm.

8

Torque Rear Fastener



Space 1 or 2 washers under the ABS bracket mount holes so that the metal bracket is spaced away from the arm.

Use the 1IN bolt and a washer in the pocket.

Use the 1.25IN bolt and washer with the provided nyloc nut and washer to mount the back of the sensor bracket to the ABS tab on the arm.

Torque both bolts to 13 ft-lbs.

Now you are ready for the trail!