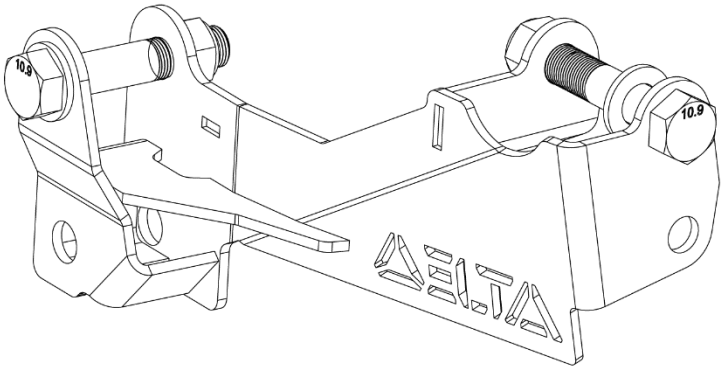
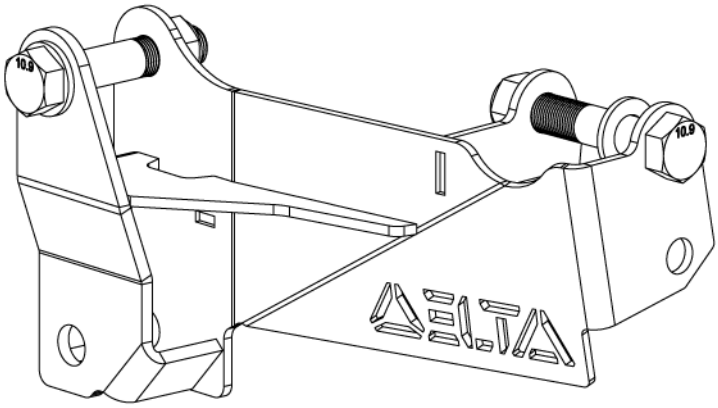
1991-1997 Toyota FJ80/FZJ80/LX450 3-5 Inch Panhard Lift Bracket





Overview

Congratulations on your purchase of the DELTA Vehicle System Panhard Lift Bracket. This DELTA product was designed in CAD, CNC laser cut, formed, fabricated, and powder coated 100% in the U.S.A. Enjoy the fit-up and finish of a DELTA Vehicle Systems product improving your vehicle handling and ride quality.

Product Features

- Panhard link geometry improvement
- Re-center the axle to the frame after a 2-4 inch lift
- Improved ride quality after a suspension lift
- Retain OEM bushing to reduce road noise
- Simple Installation with new high-strength 10.9 Metric Hardware
- Eliminate the need for an aftermarket adjustable Panhard (Lateral) link

Product Compatibility

This model mounts on 91-97 FJ80/FZJ80/LX450 rear axle housings. This bracket is intended for use with vehicles with a 2-4 inch lift.

Parts List

ID Number	Description	Quantity	
10404	Panhard Lift Bracket-3 inch	1	☐
or			
10443	Panhard Lift Bracket-5 inch	1	☐

Hardware Pack - 11734

ID Number	Description	Quantity	
10403	M18 Washer	2	☐
10445	M18 x 90mm Hex Bolt	1	☐
10446	M18 x 100mm Hex Bolt	1	☐
10447	M18 Nyloc Nut	2	☐

Packaged by_____

Tools Required

- 24mm & 27mm sockets & socket wrenches
- 24mm and 27mm box end wrenches
- Torque wrench
- Alignment bar may be required

NOTE: The panhard lift bracket is intended to be used with 2-4 inch lifts. The bumpstops on the frame should be lowered one inch less than the lift kit height. If the vehicle does not have the bumpstops lowered, ensure the bracket does not contact the frame under full compression or articulation by test cycling the suspension before driving.

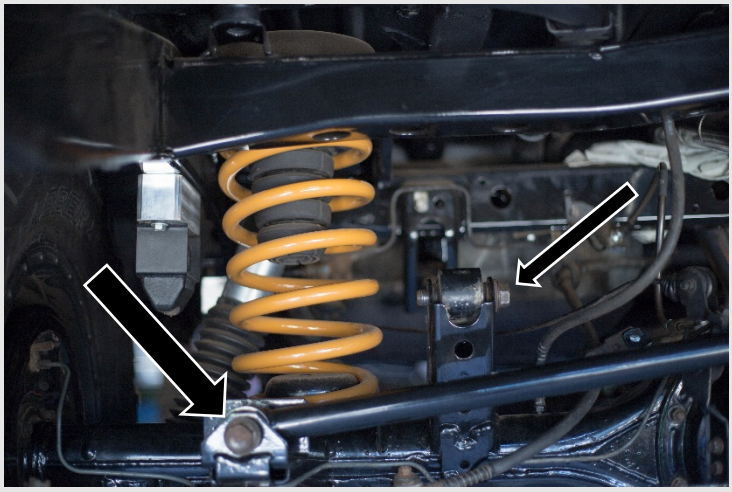
1 Support Vehicle Frame

Before working on the vehicle, lift the vehicle a few inches and put jack stands under the frame towards the rear of the vehicle, the wheels should remain in the ground**.**

Once the stock panhard bolt is removed (Step 2), the vehicle suspension can move if not supported properly, damaging the vehicle and/or causing great injury.

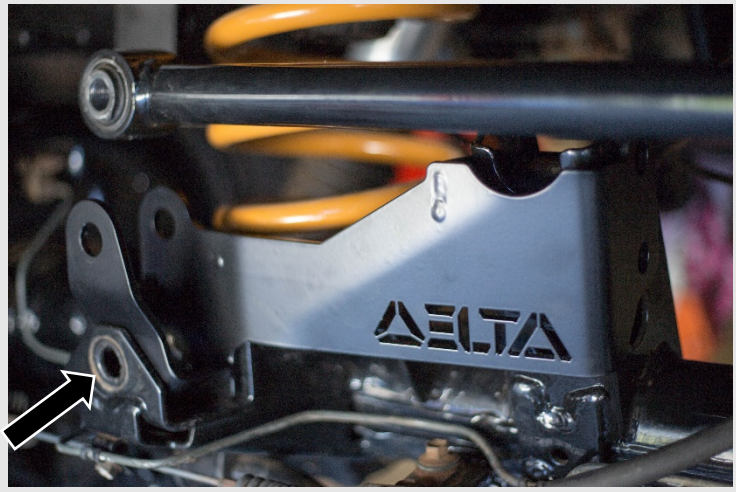
Note the angle of the panhard link due to the suspension lift. In stock form the panhard is almost horizontal.

2 Unbolt Panhard



Remove the panhard axle bolt and upper 4 link bolt (24mm Socket). Do not discard the stock panhard bolt (big arrow). It will be reused on the installation of the panhard lift bracket.

3 Position DELTA Bracket



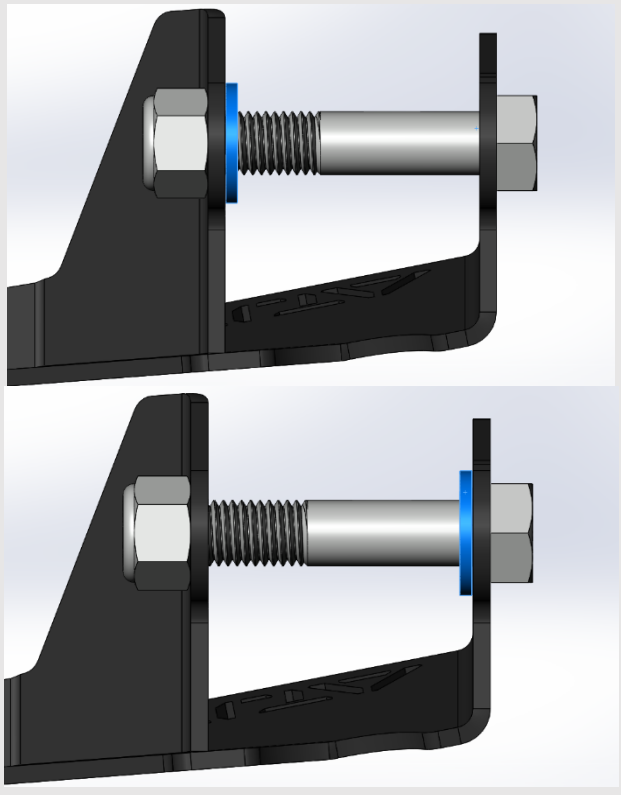
Remove the bolts and single washer from the DELTA bracket and set them aside. With the panhard link lifted out of the way, position the lift bracket into the original axle link point and around the upper left 4 link brace.

Tip: Prop the bar up with a block to hold it out of the way.

Re-install the stock panhard bolt into the stock axle pocket location. Tighten all the way down and until snug. Do not torque until all bolts are in place.

Install top bolt with head facing the front of the vehicle. If spring is in the way, remove wheel and pry spring up or down a little, it should not be necessary to remove the spring for this step.

4 Shim Delta Bracket



The bracket is made wide to account for variance in the Toyota axle bracket locations. While installing the bolt (100mm) through the new bracket, axle upper link mount, and the upper link, place the washer in between the side of the bracket that has a gap.

The washer should be a tight fit and act as a crush washer so the lift bracket fits snug around the upper link mount. If the bracket holes are not aligned there is an alignment point built into the bracket to ease installation.

Using an alignment bar or solid rod, pivot the bracket against the rear link tower mount hole to ease installation of the upper link bolt. Make sure the washer does not fall out while installing the upper bolt.

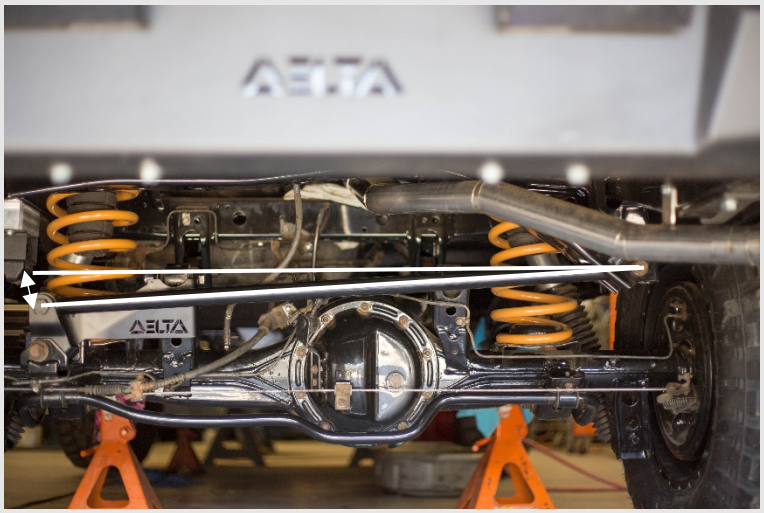
5 Install Panhard in Bracket and Torque Bolts

Install the panhard into the remaining saddle of the lift bracket and bolt in with provided hardware (90mm bolt).

If you find there is contact between the bolt and your spring, it is ok to install with bolt head facing toward the front of the vehicle.

Torque all 3 bolts to 181 ft-lbs (245 Nm).

6 Lower Vehicle



Lower the vehicle and enjoy your improved handling and recentered axle.

With the bracket installed the panhard link should be at or close to horizontal. This reduction in angle puts the link back within the factory geometry, greatly improving ride quality.