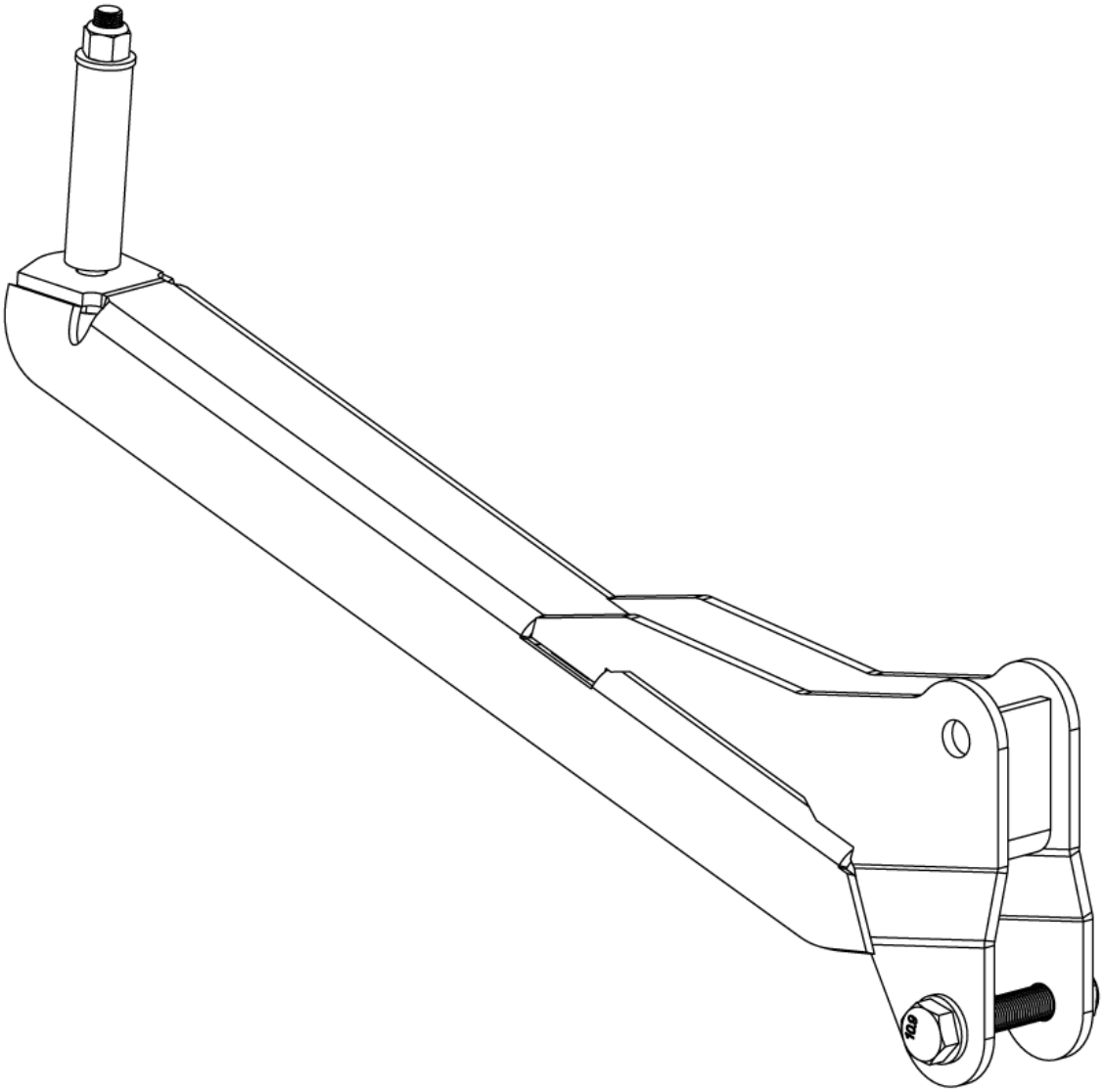
1996-2002 Toyota 4Runner 4 Inch Panhard Drop Bracket



Overview

Congratulations on your purchase of the DELTA Vehicle System Product. Your DELTA Suspension Bracket was designed in CAD, CNC laser cut, formed, fabricated, and powder coated 100% in the U.S.A. This bracket will improve the geometry of your Panhard bar and recenter the axle to the frame on a lifted vehicle. This also eliminates the need for an aftermarket adjustable Panhard bar, and reduces road noise by retaining the vehicle's stock bushings. Enjoy the fit-up and finish of a DELTA Vehicle Systems product improving your vehicle handling and ride quality.

Product Compatibility

This drop bracket has been designed to fit Toyota 4Runners from 1996-2002, and mounts on the rear frame and crossmember. It is intended for vehicles with a 2-6" lift.

Parts List

ID Number	Description	Quantity	
11248	Panhard Drop Bracket Weldment	1	☐
11249	Aluminum Crush Sleeve	1	☐

Hardware List

ID Number	Description	Quantity	
10818	M12 Nyloc Nut	1	☐
11253	3/8" x 4" Hex Bolt (Yellow Chromate)	1	☐
11254	3/8" Nyloc Nut (Yellow Chromate)	1	☐
11255	3/8" Washer (Yellow Chromate)	2	☐
11256	M12 Washer	2	☐
11257	M12 x 70mm Hex Bolt	1	☐

Tools Required

- 9/16" (19mm) socket with socket wrench
- Torque wrench
- Alignment bar or ratchet strap may be required

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 on the ground**.**

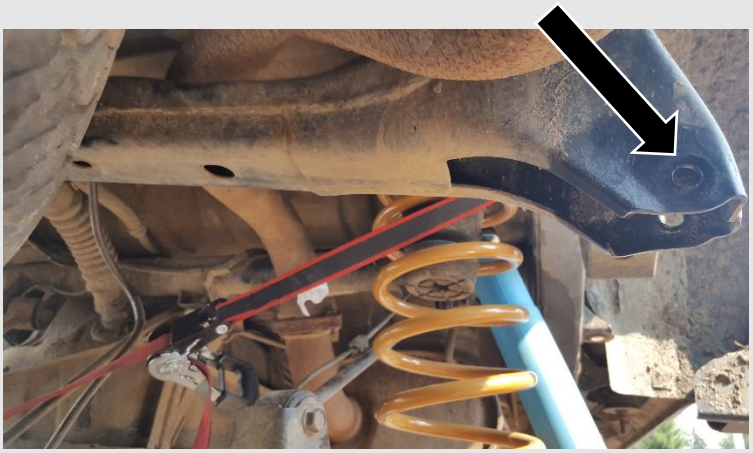
Once the stock Panhard bolt is removed in step 2, the vehicle suspension can move if not supported properly, damaging the vehicle and/or causing great injury.

Note the angle of the Panhard bar due to the suspension lift. From stock, the bar is almost horizontal.

2 Unbolt Panhard

Remove the Panhard axle bolt on the frame side.

Keep this hardware, as it will be reused in the next step.

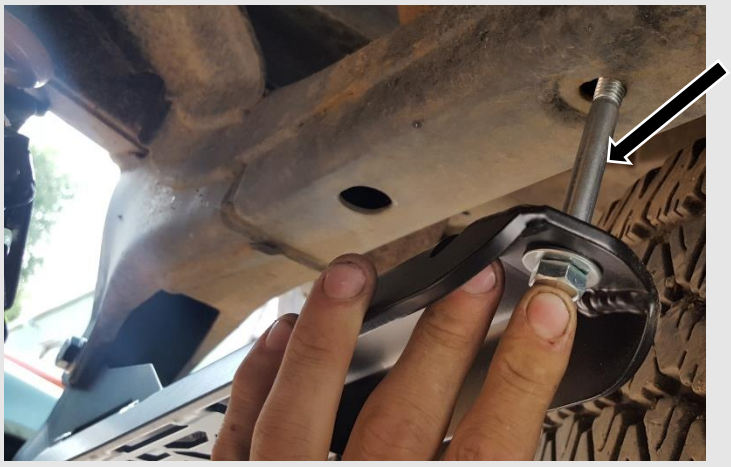


3 Position DELTA Bracket

With the Panhard bar lifted out of the way, position the drop bracket into the original Panhard bar mount point.

Install the factory M12 Panhard bolt into the stock bar mounting hole. Only snug this bolt for now; it will be torqued down later.

4 Install Bracket onto Frame Crossmember



Install the yellow chromate 3/8” bolt with a yellow chromate washer and pivot the bracket into the frame crossmember.

While holding the bracket up, align the aluminum crush sleeve onto the bolt through the access hole in the top of the cross member.

Install the other yellow chromate 3/8” washer and yellow chromate nyloc nut from the top.

Torque the 3/8 nyloc to 33 ft-lbs (44.7 Nm).

5 Install Panhard Bar and Torque Bolts

Install the Panhard into the remaining saddle of the drop bracket and bolt in with provided M12 hardware.

Tip: If the Panhard bar is misaligned, a ratchet strap from the axle to the frame can help pull the axle into alignment with the bracket.

Torque the two M12 bolts to 99 ft-lbs (134.2 Nm).

6 Lower Vehicle

With everything torqued down, your install is complete. Lower the vehicle and enjoy your greatly improved handling and recentered axle!

With the bracket installed, the Panhard bar should be at or close to horizontal. This reduction in angle puts the bar back within the factory geometry, which is what creates the increase in performance.