









Toyota 4Runner/Tacoma/PreRunner/FJ Cruiser

IMPORTANT!

Read ALL WARNINGS and information contained in these instructions PRIOR to installing this product. Vehicle Owner MUST be provided the IMPORTANT VEHICLE OWNER'S INFORMATION section of these instructions after installation of this product.

Bill of Materials

(1) Installation Instructions & Warnings								
(2) Upper Strut Primary Spacers (Ill. #1)								
(2) Upper Strut Secondary Spacers (Ill. #2)								
(6) Stud Extenders (Ill. #3)	#1		#2		#3		#4	
(2) Differential Drop Spacers (Ill. #4)								
(2) Differential Drop Bolts (Ill. #5)								
(2) Skid Plate 0.85" Spacers (Ill. #6)	#5		#6		#7		#8	
(2) Skid Plate 0.5" Spacers (Ill. #7)								
(4) Replacement Skid Plate Bolts (Ill. #8)								

ALWAYS WEAR PROPER EYE PROTECTION & USE TOOLS SPECIFIC TO THE JOB!

Step 1: Measure ORIGINAL ride height. Take a measurement from the wheel/rim to the lip of the fender on **each side** of the vehicle, **front & rear**. Write down measurements to help in determining ride height for new kit being installed in step 11. **Make special note of any differences in side-to-side front ride height. (Figure A)**



(Figure A)

Step 2: Position vehicle on a flat surface or automotive lift. Suspend front wheels, lifting by the frame with a floor jack or lift jack. Secure using jack stands and wheel chocks. Be sure engine is turned OFF and vehicle is in PARK. **Mark wheel lug location and remove front tire/wheel assemblies.**

INSTRUCTIONS TO RELOCATE THE SKID PLATES & INSTALL THE DIFFERENTIAL DROP KIT

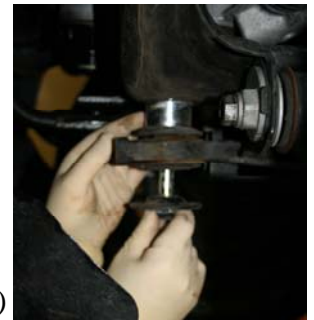
Removing the Skid Plate(s), as explained below, will help with accessing Lower Control Arm Bolts & the installation of the Differential Drop kit.

- Remove the (4) mounting bolts from the FORWARD Skid Plate and remove. (Figure B)
- If vehicle has a 2nd Skid Plate, remove FRONT fastener bolts of the REARWARD Skid Plate.
- Remove large front differential bolts, retaining OE washers to be used in next step.
- Install Large Differential Drop Spacers using new bolts, supplied, and the OE washers from step c. Tighten to OEM specifications. (Figure C)
- SKID PLATE(S) WILL BE REINSTALLED LATER IN THESE INSTRUCTIONS



(Figure B)

Step 3: Loosen, but don't remove, the lower control arm mounting bolts. (Figure D)



(Figure C)

Step 4: Remove the lower ball joint bolts. (Figure E)

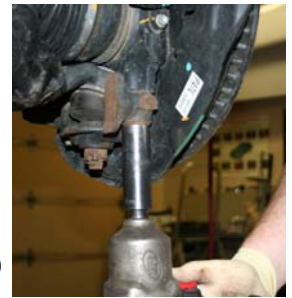
Step 5: Remove the lower strut mount bolt. (Figure F)

Step 6: Remove the three upper strut mount fasteners. (Figure G)



(Figure D)

Step 7: IMPORTANT! IF THE VEHICLE IS EQUIPPED WITH AN OE HYDRAULIC DAMPENING STRUT SYSTEM, disconnect the hydraulic hose from where it attaches near the frame, NOT THE END CONNECTING TO THE STRUT. THE END NEAR THE FRAME HAS A QUICK-DISCONNECT THAT WILL AUTO-DAMPEN UPON RECONNECTION. TAKE CARE NOT TO DAMAGE THE HOSE DURING REMOVAL & REINSTALLATION.



(Figure E)

Step 8: Remove the strut assembly from the vehicle. (Figure H)

Step 9: IMPORTANT! Thread the 3 OE upper strut mount nuts back onto each of the 3 OE upper strut mount studs until finger-tight. Then, using the OE nuts as a spacer, trim each stud using a cutting wheel, as shown. Remove OE nuts to chase the threads after trimming. (Figure I)



(Figure F)

Step 10: Install the new Primary Upper Strut Spacer and secure to the trimmed OE upper strut mount studs using 3 of the included Stud Extenders, as shown. Secure the new Primary Upper Strut Spacer by tightening each Stud Extender to OE torque specifications. (Figure J)

Step 11: IMPORTANT! Based on your ORIGINAL ride height measurements from step 1, refer to the chart below to determine spacer orientation for your desired front lift. NOTE: The secondary spacer MAY be positioned unevenly on each side of the vehicle to correct for side-to-side leveling issues, as determined in step 1. (Figure K)



(Figure G)

Model	Year	With Primary Spacer Alone	Plus Secondary Spacer w/Extrusions DOWN	Plus Secondary Spacer w/Extrusions UP
4Runner	2003-09	1.5"	2.0"	2.5"
	2010-up	2.0"	2.5"	3.0"
FJ Cruiser	2007-up	1.5"	2.0"	2.5"
Tacoma & PreRunner	2005-up	1.5"	2.2"	2.75"

Step 12: Reinstall the strut assembly by reusing the OE Upper Strut Nuts, finger-tight only at this time. Then, using a bottle jack or floor jack, raise the lower control arm until the lower strut bolt can be installed. Tighten all upper & lower fasteners to OE specifications. (Figure L)



(Figure H)

Step 13: Apply an appropriate thread-lock compound, then reconnect the lower ball joint bolts, tightening to OE specifications.

Step 14: If disconnected in step 7, reconnect hydraulic dampening system hose. **NOTE: Make sure that this system Auto-Dampens upon reconnection.**

Step 15: Reinstall front wheels in original marked wheel lug locations from step 2.

Step 16 Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.



(Figure I)

Step 17: PERFORM A COMPLETE WHEEL ALIGNMENT, utilizing a Certified Alignment Technician with experience working on lifted vehicles.

IMPORTANT! A SAS (steering-angle sensor) Reset MUST BE PERFORMED in order for traction control & anti-lock brake system to perform properly.

Step 18: Reinstall the front of the rearward skid plate using supplied fasteners and the (2) small 0.5" spacers, Supplied with this kit.

Step 19: Reinstall the front skid plate using OE fasteners at the FRONT connecting point, and supplied fasteners and the (2) medium 0.85" spacers, at the rear connection point

Step 20 ADJUST HEADLIGHTS to accommodate new front ride height position.



(Figure J)



(Figure K)



(Figure L)



(Before)



(After)

IMPORTANT VEHICLE OWNER'S INFORMATION

Toyota 4Runner/Tacoma/PreRunner/FJ Cruiser

WARNING

This product should only be installed by an ASE certified professional mechanic with proper tools and safety equipment.

Installation of this product modifies vehicle ride height. The driver of this vehicle should avoid unnecessary or abrupt maneuvers, sharp turns and other driving conditions that could lead to rollover or other serious accident. This product will affect vehicle center of gravity resulting in less than the original OE stability characteristics.

The manufacturer of this product releases itself from any liability or consequence, inclusive but not limited to personal injury, failure of components or damage to vehicle or person as a result of installing this product.

Warranties may be declined for any parts installed by any person other than an ASE certified professional. No warranty will be made for any other OEM or aftermarket components that may be affected by the installation of this product either in use or during installation. This kit is intended for use on stock suspensions WITHOUT any previous modifications whatsoever. Installation of this kit in conjunction with other aftermarket products will be done at vehicle owner's own risk, and voids any and all warranties.

Installation of this part MAY limit or void some vehicle manufacturer's warranties!

ALWAYS DRIVE SAFELY, REDUCE SPEED, AND WEAR YOUR SEAT BELT.

LIMITED LIFETIME WARRANTY

This product is warranted to be free of defects in materials and workmanship to the original purchaser on the vehicle in which it is originally installed. This warranty does not cover loss of time, labor, or any other components as a result of damage. This warranty may be void if this product is installed by any person other than an ASE certified professional.