

INSTALLATION INSTRUCTIONS



TACOMA COMPLETE 3" LIFT KIT

300830-1-KIT (1995-2004 TACOMA PRERUNNER/4WD)

KIT CONTENTS





RECOMMENDED TOOLS

Ratchet & Socket Set	Floor Jack
Torque Wrench	Strut Compressor
Combination Wrench Set	Vise Grips
Adjustable Wrench	Large C-Clamps
Jack Stands	Hacksaw

CAUTION

1. Read all instructions completely and carefully before you begin. If anything is not clear, please call our tech support line at 1.877.4X4.TOYS or 559.252.4950 before proceeding.
2. Check to make sure the kit is complete and that no parts are missing (refer to the Kit Contents Section on the first page of these instructions). If anything is missing, please contact Trail-Gear at 1.877.4X4.TOYS or 559.252.4950.
3. Park vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
4. This kit is for off-road use only. It is recommended that the installation steps below be performed by a competent mechanic. Installation of this kit may change the handling characteristics of your vehicle. Buyers and users of this product hereby expressly assume all risks associated with the installation and use of this kit.

INSTALLATION INSTRUCTIONS



TACOMA COMPLETE 3" LIFT KIT

STEP 1

Place the vehicle securely on jack stands.

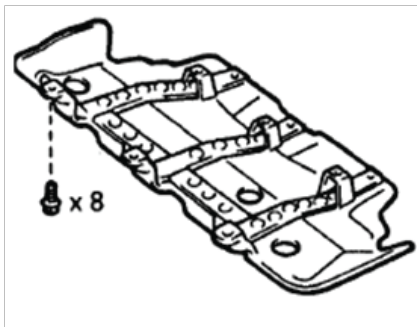
STEP 2

Remove both front wheels.



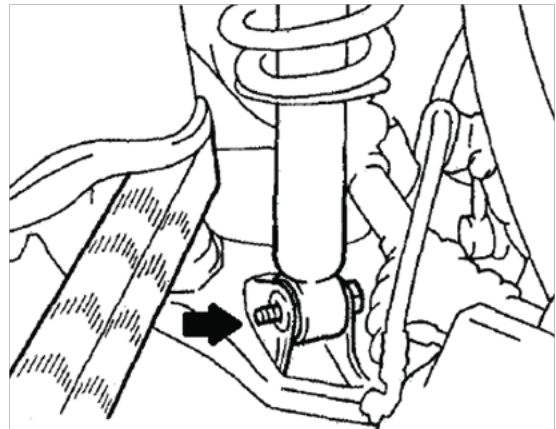
STEP 3

Remove the bolts holding the Skid Plate onto the vehicle. 4WD Vehicles: Save the Skid Plate and all but (2) of the stock M8 bolts for reinstallation. Discard the remaining (2) stock M8 bolts. Prerunners: Save the Skid Plate and all of the stock M8 bolts for reinstallation.



STEP 4

Loosen & remove the lower shock mounting bolt, nut, and washer. Save the nut, bolt, and washer for reinstallation.



STEP 5

Remove the (3) nuts holding the shock absorber/coil spring assembly to the shock tower. Remove the shock absorber/coil spring assembly from the vehicle. Save the (3) nuts for reinstallation.



STEP 6

Remove the shock/coil spring assembly from the vehicle. Mark the bottom of the shock in relation to the top of the shock/coil spring assembly. The shock eyelet should be rotated 90° in relation to the stud on top of the strut that is nearest to the engine.



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STEP 7

Repeat Steps 4 through 6 for the opposite side of the vehicle.



WARNING – IT IS HIGHLY RECOMMENDED THAT STEPS 10 THROUGH 15 BE PERFORMED BY A COMPETENT MECHANIC EXPERIENCED IN USING A STRUT COMPRESSOR. THE COIL SPRING IS UNDER COMPRESSION, AND IMPROPERLY DISASSEMBLING THE COILOVER ASSEMBLY MAY RESULT IN INJURY OR DEATH. Many automotive repair shops and some auto parts stores provide this service for a nominal fee.

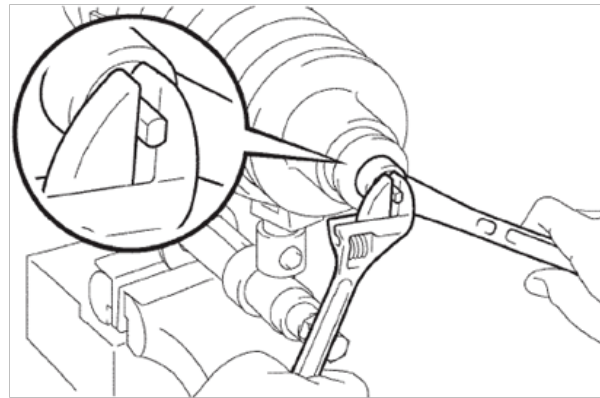
STEP 8

Verify that the strut is marked correctly and that the markings are still visible. Place the shock/coil spring assembly in a strut compressor and compress the coilover spring.



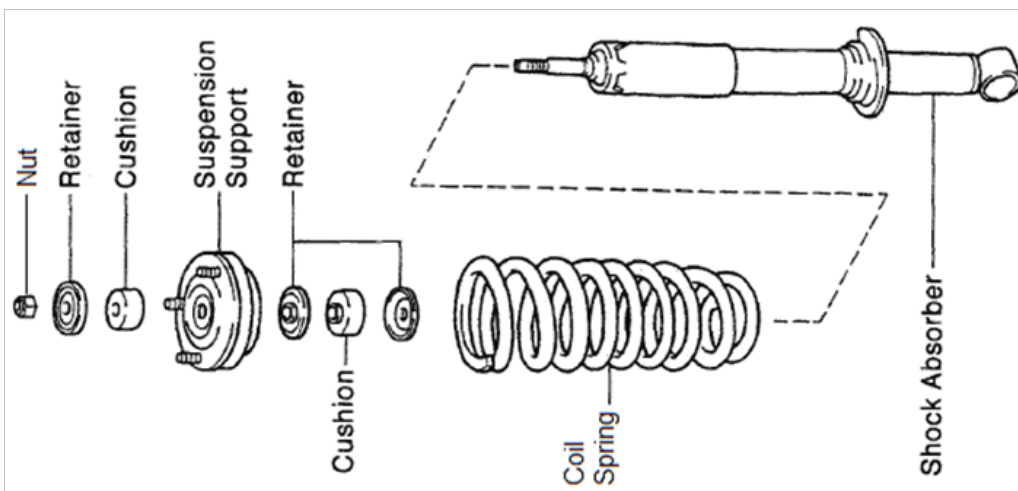
STEP 9

Remove the nut on the top of the shock/coil spring assembly. Make sure to hold the shock rod in place with an adjustable wrench when you are removing the nut. Save the nut for reinstallation.



STEP 10

Disassemble the shock/coil spring assembly in the order shown below. Save all components for reassembly.



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STEP 11

Disassemble the Front Suspension Support Sub-assembly. Press out the studs in the top plate and discard the studs. Replace the studs with (3) of the hex head bolts provided in the kit. Reassemble the support with one of the Lift Spacers between the steel plate & the rubber pad.



STEP 13

Repeat Steps 8 through 12 for the other shock/coil spring assembly.

STEP 12

Reassemble the shock/coil spring assembly in the reverse order of Step 10. Make sure that the top plate bolt is correctly aligned with the bottom of the shock during assembly. Torque the nut to 22 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual.



STEP 14

Install the top spacer plate on top of the shock/coil spring assembly. Repeat for the other shock/coil spring assembly.



STEP 15

Install the shock/coil spring assembly back into the top mount, and secure to the shock/coil spring assembly to the mount using (3) of the nuts removed in Step 5. Make sure you orient the shock/coil spring assembly according to the markings applied in Step 6. Torque the nuts to 47 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual. Repeat for the other side of the vehicle.

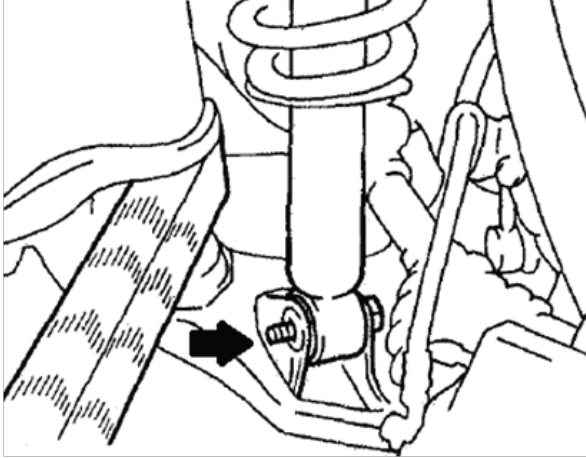


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STEP 16

Secure the shock eyelet to the lower shock mount using the bolt, nut, and washer removed in Step 4. You may need to push the upper control arm down to accomplish this. Torque the nut to 101 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual. Repeat for the other side of the vehicle.



STEP 17

(4WD Vehicles Only) Place a floor jack or jack stand under the differential to support the differential.



STEP 18

(4WD Vehicles Only) Unbolt the (2) M14 bolts & nuts that secure the differential mount to the crossmember. Save the rubber OEM mounts for reinstallation. Discard the (2) M14 bolts & nuts.



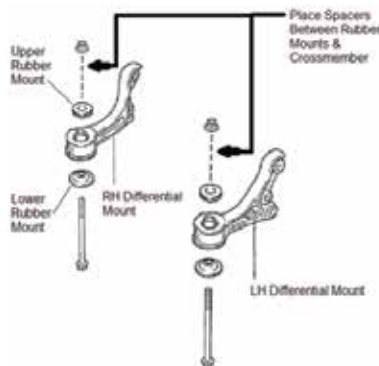
STEP 19

(4WD Vehicles Only) Lower the differential and install one of the 1" tall spacers between the rubber OEM mount and the crossmember.



STEP 20

(4WD Vehicles Only) Loosely install the provided 1/2-20 x 8" bolt, washer, and Toplock nut to secure the differential mount and spacer to the crossmember. Make sure that the rubber OEM mounts are in the proper position.



STEP 21

(4WD Vehicles Only) Repeat Steps 19 & 20 for the other differential mount.

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STEP 22

(4WD Vehicles Only) Using a 3/4" socket and wrench, tighten the (2) 1/2-20 x 8" bolts to 77 ft-lbs of torque. Remove the floor jack or jack stand from the differential.

STEP 24

(4WD Vehicles Only) On some years and/or models, trimming of the Skid Plate may be required. Trim as needed.

STEP 26

Remove both rear wheels.

STEP 23

4WD Vehicles: Using 12mm & 13mm sockets, reinstall the Skid Plate using the stock M8 bolts in the front and the new M8 bolts, washers, and 1/2" tall spacers in the rear. The spacers should be placed in between the frame and the Skid Plate. Tighten all bolts to 22 ft-lbs of torque or to the torque value specified in the Toyota Tacoma Factory Service Manual. Prerunners: Using 12mm & 13mm sockets, reinstall the Front Skid Plate using the stock M8 bolts. Tighten all bolts to 22 ft-lbs of torque or to the torque value specified in the Toyota Tacoma Factory Service Manual.

STEP 25

Reinstall both front wheels. Torque the lug nuts to the torque specified in the Toyota Tacoma factory service manual or your Toyota Tacoma Owner's Manual.

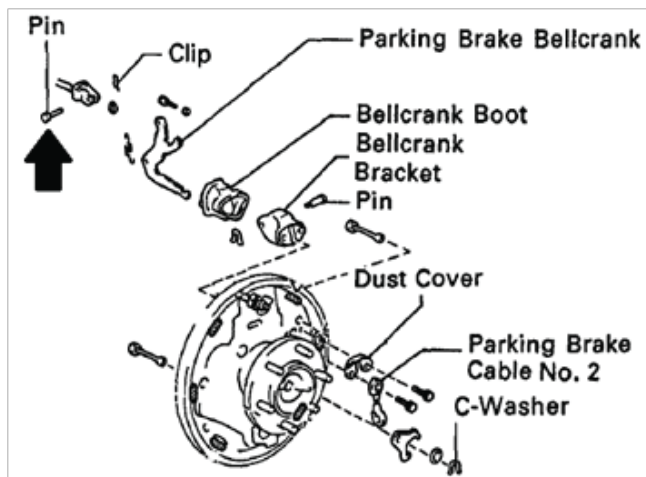
STEP 27

Using a floor jack under the center section of the rear axle, lift the rear axle and place a jack stand under each side of the axle for support. Make sure that the axle is completely supported.



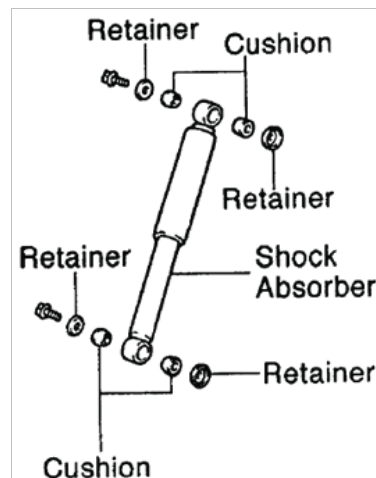
STEP 28

Disconnect the Parking Brake Cable from the Parking Brake Bellcrank. Save the pin & clip for reinstallation. Repeat for the other side of the axle.



STEP 29

Remove the rear shock absorbers on both sides of the vehicle. Save the bolts and retainers for reinstallation. Discard the stock shock absorbers and rubber bushings.

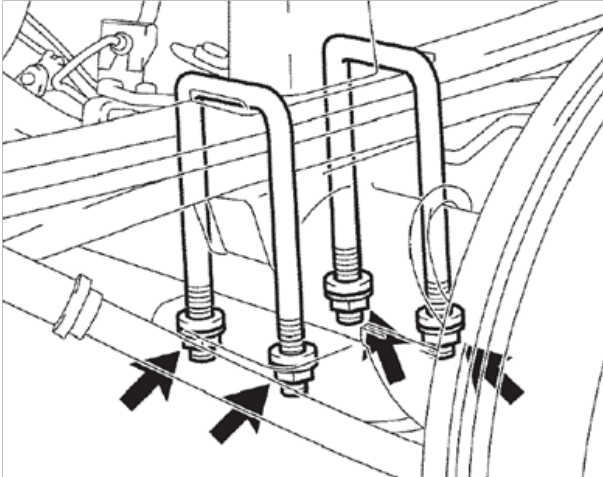


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STEP 30

Remove the U-bolts, nuts, washers, U-bolt seat, & rear spring bump stop from the leaf spring. Save the U-bolts, nuts, washers, U-bolt seat, & rear spring bumper for reinstallation. Repeat for the other leaf spring.



STEP 31

Lower the rear axle to move the leaf springs away from the axle. Use care to avoid stretching the brake lines.

STEP 32

Using (2) large C-clamps, clamp the leaf pack assembly securely together.



STEP 33

Remove the spring center bolt and nut. Vise grips may be needed to keep the head of the bolt from rotating during removal of the nut. Discard the center bolt & nut.



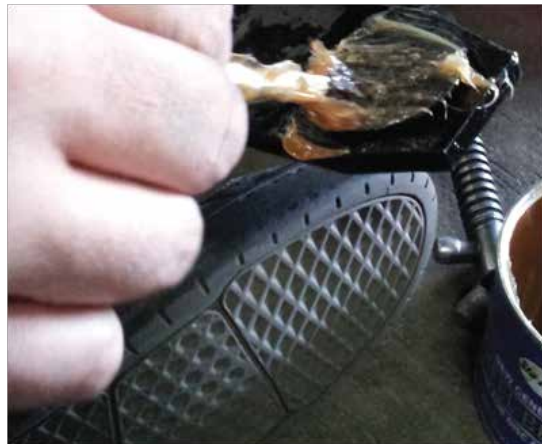
STEP 34

Carefully loosen and remove the (2) C-clamps from the spring pack. Make sure to note the order of the individual leaves and the placement of any shims or dividers. If the stock leaf spring has a roll pin through the leaves, remove and discard the roll pin.



STEP 35

Apply wheel bearing grease to the plastic leaf spring pads.

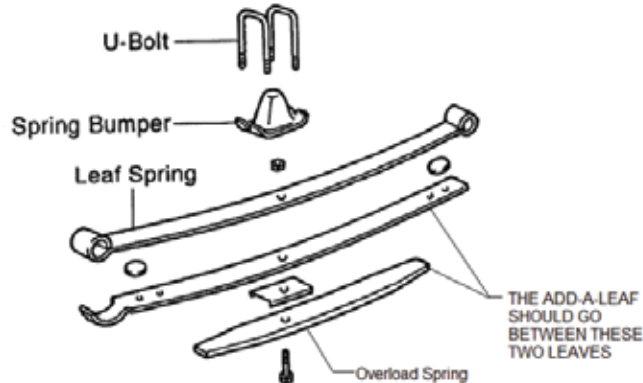


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STEP 36

Insert the Add-A-Leaf into the spring pack. The leaves should be in order of length, with the longest leaf on top and the shortest (the overload spring leaf) on bottom. In most cases, the Add-A-Leaf will be placed between the overload spring and the rest of the spring pack. The end of the Add-A-Leaf with the longest distance between the end of the spring and the center pin hole should be facing the rear end of the truck. Under no circumstances should the Add-A-Leaf be below the overload spring.



STEP 37

Verify that the Add-A-Leaf is correctly oriented within the spring pack. Place the (2) C-clamps back onto the spring pack and slowly squeeze the leaf pack back together. Use one of the new center pin bolts provided with this kit as an alignment tool to help keep the center pin holes aligned.



STEP 38

Make sure that any shims or dividers are reinstalled into the correct position and completely compress the leaf spring back together using the C-clamps. Install the new center pin into the spring pack and secure with one of the nuts provided with the kit. Torque the nut to 33 ft-lbs. or to the torque specified in the Toyota Tacoma factory service manual.



STEP 39

Cut off the excess length of the center pin. Paint the cut surface to prevent corrosion.

STEP 40

Repeat Steps 32 through 39 for the other leaf spring pack.

STEP 41

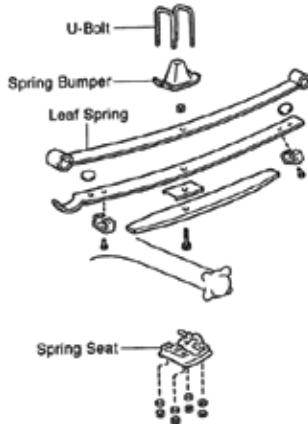
Carefully lift the axle back in place. Make sure the head of each center bolt pin is seated in the hole on the axle spring perch.

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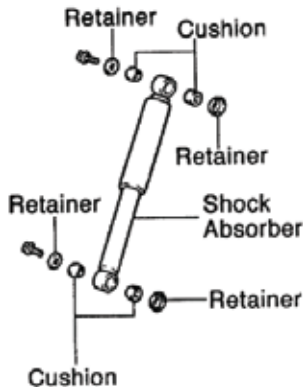
STEP 42

Reinstall the U-bolts, nuts, washers, U-bolt seat, & rear spring bumper. Torque to U-bolt nuts to 90 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual.



STEP 44

Install the new Bilstein shocks using the hardware removed in Step 29. Torque to the shock mounting bolts to 53 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual.

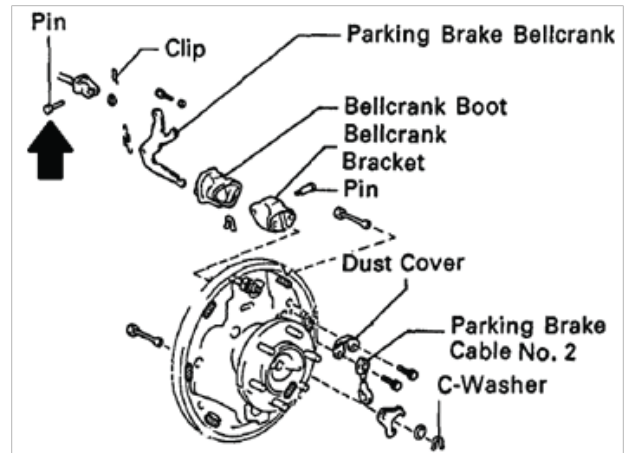


STEP 46

If you use your vehicle in an area where there is corrosion due to salt, such as a coastal area or on roads where salt is used to melt roadway snow, clean the relocation bracket thoroughly, apply a coat of spray paint suitable for use on galvanized steel, and allow the paint to dry. Otherwise, skip this step and proceed to Step 47.

STEP 43

Reconnect the Parking Brake Cable to the Parking Brake Bellcrank using the pin & clip removed in Step 28. Repeat for the other side of the axle.



STEP 45

Reinstall the rear wheels. Torque the lug nuts to the torque specified in your Toyota Tacoma Owner's Manual.

STEP 47

Using a 12mm socket, remove the (2) M8 bolts holding the Brake Proportioning Valve Bracket to the Rear Axle. Save the stock M8 bolts for reinstallation.



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STEP 48

Using a 12mm socket, mount the Relocation Bracket to the Rear Axle using the (2) M8 bolts removed in Step 47. Torque the bolts to 13 ft-lbs or to the torque value listed in the Toyota Tacoma Factory Service Manual.



STEP 50

Lower the vehicle and make sure both the front and rear suspension cycles. Take the vehicle for a short test drive. After the test drive, check the torque on all the hardware and tighten as necessary.

STEP 49

Using the M8 bolts, nuts, and washers provided in the kit, secure the Brake Proportioning Valve Bracket to the Relocation Bracket with a 13mm socket & 13mm wrench. Torque the bolts to 16 ft-lbs.



STEP 51

A front-end alignment should be performed immediately after installation of this kit. Failure to properly align the front end will lead to premature and uneven wear on the tires, damage front suspension components, and may cause an unsafe driving condition.

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REPLACEMENT PARTS

