



## TACOMA REAR 2" ADD-A-LEAF LIFT KIT

300598-1-KIT (2005-2012 TACOMA PRERUNNER/4WD)

### KIT CONTENTS





## RECOMMENDED TOOLS

Ratchet & Socket Set

Torque Wrench

Combination Wrench Set

Jack Stands

Floor Jack

Vise Grips

Large C-Clamps

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 REAR 2" ADD-A-LEAF

### STEP 1

Park the vehicle on a hard, level surface. Place the vehicle securely on jack stands, with the front tires chocked. The jack stands should be placed directly under the frame, and must be high enough to lift the rear wheels off the ground.

### STEP 2

Remove both rear wheels.

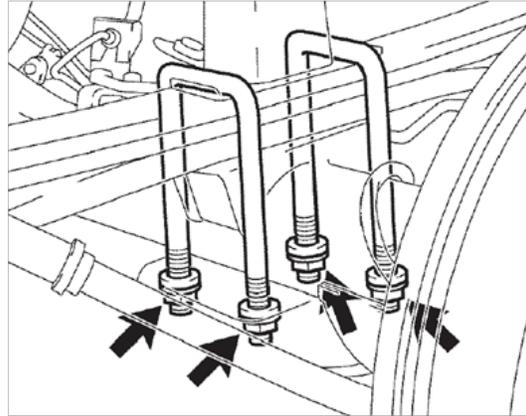
### STEP 3

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.



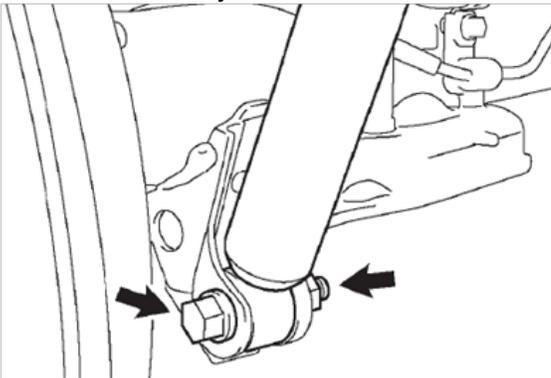
### STEP 4

Loosen, but do not remove, the (4) nuts on the (2) leaf spring U-bolts. Repeat for the U-bolts on the other leaf spring.



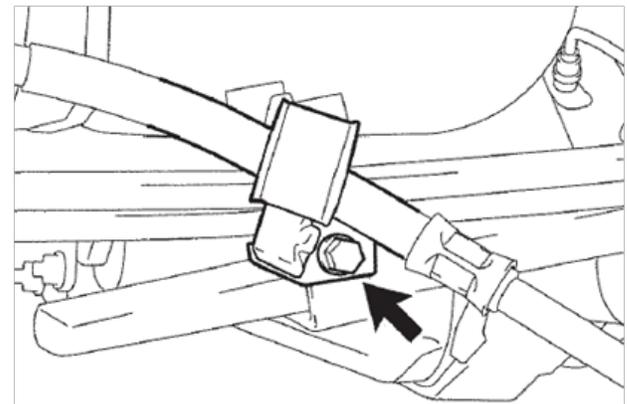
### STEP 5

Using a 14mm socket, remove the bolts & support bracket from both sides of the front sway bar. Remove the sway bar from the vehicle. Save the bolts, support brackets, and sway bar for reinstallation.



### STEP 6

Using a 12mm wrench, remove the bolt from the parking brake cable mount. Save the bolt for reinstallation.

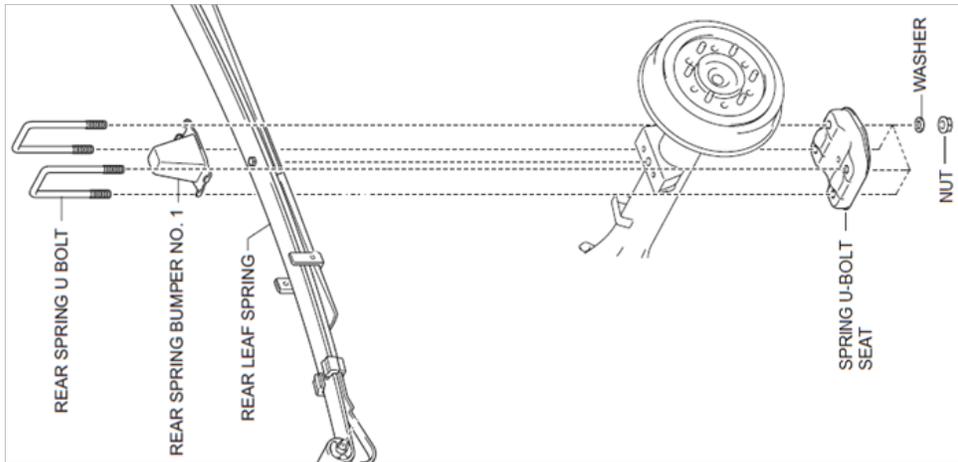


# INSTALLATION INSTRUCTIONS



## STEP 7

Remove the U-bolts, nuts, washers, U-bolt seat, & rear spring bumper 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 8

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

## STEP 10

Using a 14mm socket, 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 9

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



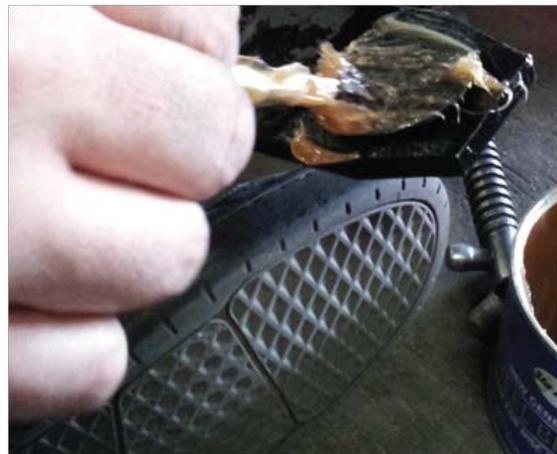
## STEP 11

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.



## STEP 12

Apply wheel bearing grease to the plastic leaf spring pads.

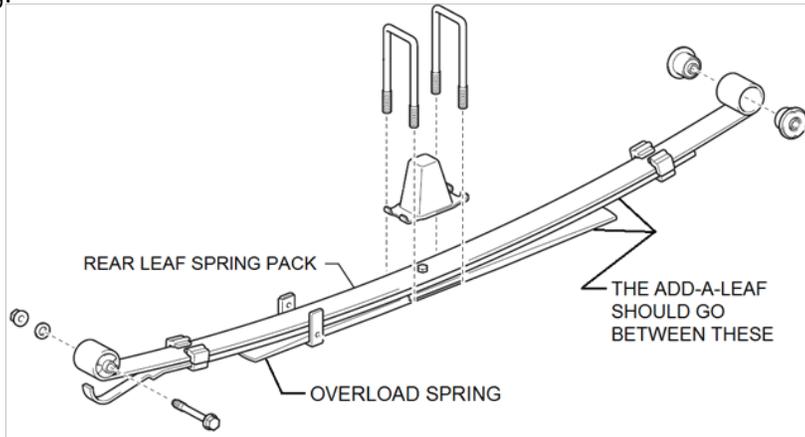


# INSTALLATION INSTRUCTIONS



## STEP 13

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 14

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 15

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 40 ft-lbs.



## STEP 16

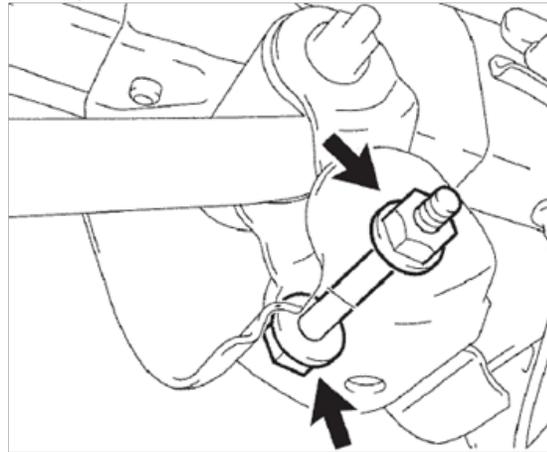
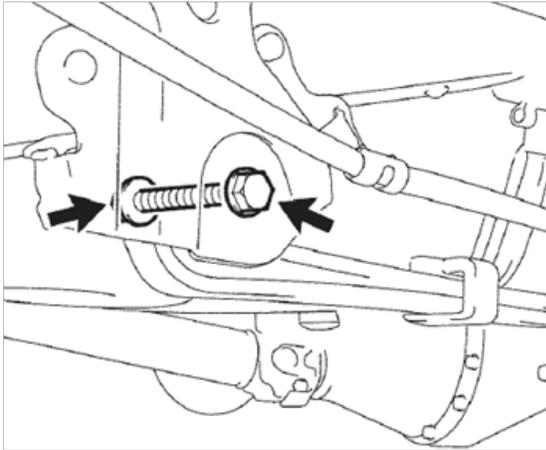
Cut off the excess length of the center pin. Paint the cut surface to prevent corrosion.

# INSTALLATION INSTRUCTIONS



## STEP 17

Repeat Steps 9 through 16 for the other leaf spring pack. Note: For the leaf spring pack on the Driver's side (the side with the rear hydraulic brake line), it may be easier to remove the spring pack from the vehicle to install the Add-A-Leaf. If so, remove the rear leaf spring rear mounting bolt, nut, and washer. Next, remove the leaf spring shackle mounting bolt, nut, & washer. After the leaf spring pack has been fitted with the Add-A-Leaf, reinstall the leaf spring into the vehicle. Install the shackle mounting bolt, nut, and washer, and torque to 89 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual. Install the rear leaf spring rear mounting bolt, nut, and washer and torque to 89 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual.

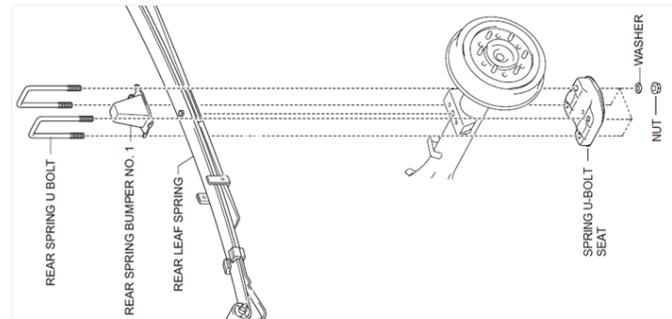


## STEP 18

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

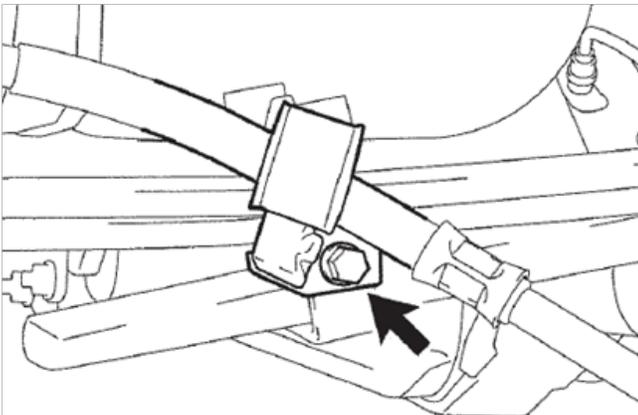
## STEP 19

Reinstall the U-bolts, nuts, washers, U-bolt seat, & rear spring bumper. Torque to U-bolt nuts to 37 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual.



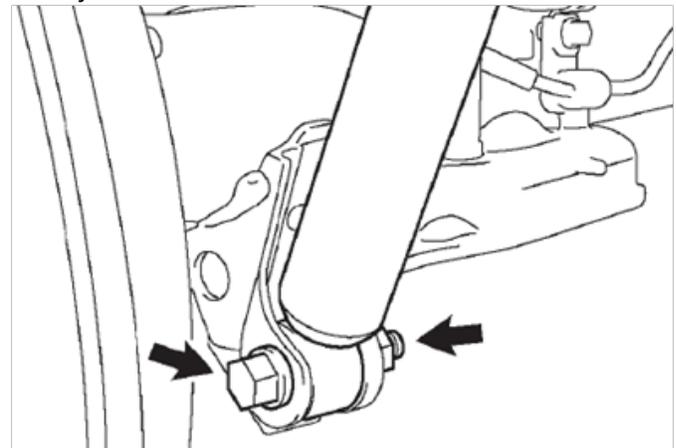
## STEP 20

Reinstall the parking brake line support bracket. Torque to the bolt to 9 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual.



## STEP 21

Reinstall the shock into the lower mount and reinstall the bolt, washer, and nut. Torque to the nut to 74 ft-lbs or to the torque specified in the Toyota Tacoma factory service manual.



# INSTALLATION INSTRUCTIONS



## STEP 22

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

## STEP 23

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

## REPLACEMENT PARTS

