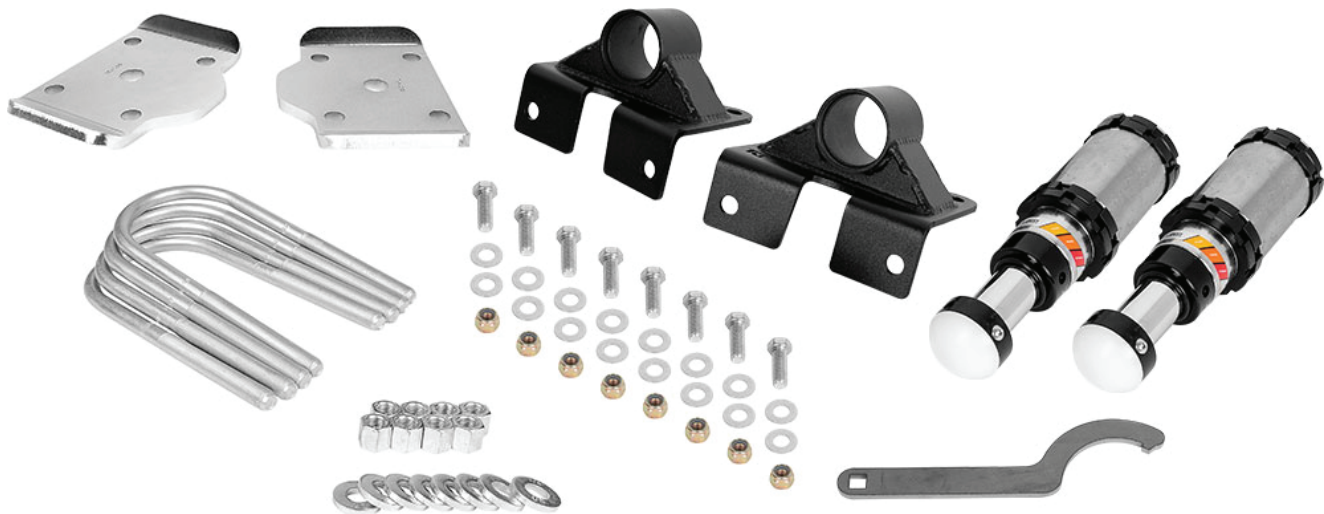


2005+ TACOMA REAR PERFORMANCE BUMP STOP KIT

TGI-311089 KIT, 05+ TACOMA, REAR AIR BUMPS AND MOUNTS, 2 INCH STROKE, STOCK SPRING STRIKERS
TGI-311090 KIT, 05+ TACOMA, REAR AIR BUMPS AND MOUNTS, 3 INCH STROKE, STOCK SPRING STRIKERS
TGI-311091 KIT, 05+ TACOMA, REAR AIR BUMPS AND MOUNTS, 4 INCH STROKE, STOCK SPRING STRIKERS
TGI-311092 KIT, 05+ TACOMA, REAR AIR BUMPS AND MOUNTS, 2 INCH STROKE, FLIP KIT
TGI-311093 KIT, 05+ TACOMA, REAR AIR BUMPS AND MOUNTS, 3 INCH STROKE, FLIP KIT
TGI-311094 KIT, 05+ TACOMA, REAR AIR BUMPS AND MOUNTS, 4 INCH STROKE, FLIP KIT

KIT CONTENTS



TGI-311137

RECOMMENDED TOOLS

Angle Grinder

- Cut off wheel
- Flap wheel (or other Abrasive wheel)

Hammer

Air Hammer

Punch (Pin or Center)

Cold Chisel

Small Prybar or Large Flathead Screwdriver

Appropriate Size Socket for U-bolts

5/8" Wrench and Socket

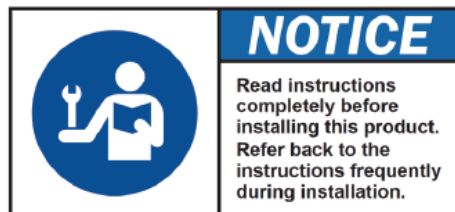
Eye and Hearing Protections

Gloves

Spanner Wrench (Included in kit)

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 product is for off-road use only. It is recommended that the installation steps below be performed by a competent mechanic. Buyers and users of this product hereby expressly assume all risks associated with the installation and use of this product.



INSTALLATION INSTRUCTIONS



STEP 1

Jack up the vehicle and support the vehicle with jack stands. Be sure that the rear axle is well supported, as we will be unbolting the u-bolts as part of this installation.

STEP 2

Remove the rear wheels and tires.



STEP 3

Use the grinder with a flap wheel to remove as much of the exposed rivet head on the front of the original bracket as possible. Ideally, the rivets will be ground flush with the original bracket.



STEP 4

Cut the back flange of the original bracket with the grinder and cut off wheel, taking care not to cut into the frame behind.



INSTALLATION INSTRUCTIONS



STEP 5

Using the hammer, flatten the back flange to access the rear rivet head with the grinder.



STEP 6

Use the grinder with a flap wheel to remove as much of the exposed rivet head on the back of the original bracket as possible.



STEP 7

With the grinder and flap wheel, remove as much of the rivet heads on the bottom of the original bracket as possible. Take care not to throw sparks in the direction of the gas tank on the driver's side.



INSTALLATION INSTRUCTIONS



STEP 8

With all the rivets flush with the original bracket, pry the original bracket from the frame with the hammer and chisel.



STEP 9

Once the original bracket is removed, use the grinder and flap wheel to grind all rivets flush with the frame of the truck.

STEP 10

Using the hammer and punch, punch the rivets through the back of the frame.



STEP 11

With all rivets out, paint all exposed metal to match the rest of the frame.

INSTALLATION INSTRUCTIONS



STEP 12

Once the paint is dry, loosely install the new bracket with supplied hardware. The TG logo is oriented towards the front of the truck on both driver and passenger sides.



STEP 13

After all bolts are loosely installed, tighten down the bolts with the 5/8" wrench and socket.



STEP 14

Next, after making sure your axle is still supported, remove the u-bolts from axle and spring.

STEP 15

Depending on which option you chose on the product page, you will now install either the stock spring configuration striker pad or our u-bolt flip kit. Both can be seen in place here:



INSTALLATION INSTRUCTIONS



STEP 16

Reinstall u-bolts with new plate in place and tighten.



STEP 17

Last, install the bump stop and tighten the locking rings to the desired height. This will be done with the spanner wrench supplied in your kit.



INSTALLATION INSTRUCTIONS



STEP 18

Tuning instructions:

For a softer feel, release pressure thru the Schrader valve.

For a firmer feel, add nitrogen through the Schrader valve. Note: Use only clean, dry nitrogen. The use of regular compressed air or any other gas will damage the internal components and void the warranty.

Minimum Pressure = 120 psi (do not charge bump stops with a pressure lower than this)


Maximum Allowable Pressure = 300 psi (do not charge bump stop beyond this pressure)

We recommend using a high-precision shock charging manifold, similar to this one. —→

STEP 19

Periodically check pressure and top off with nitrogen if needed.



	<p>NOTICE</p> <p>Charge bump stops with clean, dry nitrogen only. The use of regular compressed air or any other gas will damage the internal components and void the warranty.</p>
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