



# ALL-PRO MODULAR LONG TRAVEL KIT

## INSTALL INSTRUCTIONS

### BRAKE & CLUTCH SYSTEM MODIFICATION

4-CYLINDER MANUAL TRANSMISSION 2<sup>ND</sup> GEN TACOMA



#### RECOMMENDED TOOLS

- Safety Glasses
- Metric Ratchet & Socket Set
- Box End Wrench Set
- Hex Key Set
- Brake Fluid

*(Use the type specified in your Tacoma Owner's Manual)*

**ALL-PRO OFF-ROAD**

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**AP-313336**



**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 or e-mail tech@trail-gear.com 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 All-Pro at 1.877.4X4.TOYS or 559.252.4950 or e-mail tech@trail-gear.com.
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.
5. This installation is typical for most Toyota Tacoma vehicles. Some vehicles may vary. If necessary, refer to the proper Factory Service Manual for the year and model of your vehicle.

	<b>NOTICE</b>
	<p>Read instructions completely before installing this product. Refer back to the instructions frequently during installation.</p>

	<b>CAUTION</b>
	<p><b>Flying Object Hazard. Fluid Splash Hazard.</b> Wear safety glasses at all times when working on vehicle.</p>



# INSTALLATION INSTRUCTIONS

## STEP 1

Drain all brake fluid from your master cylinder reservoir. We recommend carefully removing the factory clutch feed line and allowing the fluid to drain into a small container placed below the port. Recycle the brake fluid in accordance with all local laws.

## STEP 2

Push the clutch feed line to the side so it is safely out of the way. You will be reusing your factory line for this installation.

## STEP 3

Remove the brake fluid sensor plug that is located on the side of the brake fluid reservoir. Tuck the sensor plug wire along the firewall for later reinstallation.

## STEP 4

Following the procedure in the Toyota Factory Service Manual, remove the stock Master Cylinder and replace it with the included Automatic Transmission Master Cylinder.

## STEP 5

Connect the brake fluid sensor plug to the new Master Cylinder.

## STEP 6

Fill the Master Cylinder to the fill line with the brake fluid specified in the Tacoma Owner's Manual. Bleed the brake system per the procedure specified in the Factory Service Manual. Recheck the fluid level after bleeding and fill as needed.

## STEP 7

Remove the rearmost bolt securing the fuse box and discard the bolt.

## STEP 8

Install the mounting bracket for the Power Flow Power Steering Filter Reservoir. This will be used to mount both Power Steering reservoir & the Clutch Fluid reservoir. It will also allow routing of your factory clutch line. Install the bracket with the (3) bolts provided. The two matching larger bolts secure the bracket to the side of the engine bay. The third smaller bolt secures the bracket into the top of the fender, passing through the factory fuse box mount.


**STEP 1**

**STEP 3**

**STEP 5**

**STEP 8**


**STEP 9**

Install the clutch reservoir onto the mounting bracket with the two bolts supplied.

**STEP 10**

Mockup the factory clutch line with the included fitting and cut your clutch line to the appropriate length.

**STEP 11**

Install the 90-degree push-on fitting onto the clutch fluid line. Install the 90-degree fitting to the bottom of the Clutch Fluid reservoir.

**STEP 12**

Fill the clutch reservoir with the brake fluid specified in Toyota Tacoma Owner's Manual. Fill to about 1/4-3/8" from the bottom of the threads.

**STEP 13**

Install the Power Flow Power Steering Filter Reservoir onto the mounting bracket as shown. Complete the remainder of the power steering system installation in accordance with Part 10 of the Modular Long Travel instructions.



## INSTALLATION NOTES

### NOTE 1

Refer to the photo below for recommended hose routing. The large feed line runs direct to the pump, and the longer, smaller return line goes down to the power steering cooler.



### NOTE 2

Use the clamp on the corner to secure the return line and prevent it from rubbing on the bracket.



### NOTE 3

To install the pump, install the pump adapter into the stock pump mount and reinstall the stock pump mounting screws. Install the pump into the pump adapter using the (2) bolts provided.



## NOTE 4

If you do not wish to replace the entire stock Master Cylinder, you can purchase a replacement 4-cyl Master Cylinder tank from Toyota (Toyota P/N 47220-0C040) and replace the tank as follows:

- Using a small punch or a small bolt, carefully punch out the pin that holds the brake reservoir to the brake master cylinder. Consider the easiest direction to drive it out for you before you begin, as the end can become mushroomed and it will not want to slide back in the opposite direction. Remove & discard the reservoir once completed.
- Make sure you have seals in both ports on the bottom of the reservoir and install the new reservoir onto the brake master cylinder.
- Drive a new pin into the bottom retaining hole of your new brake reservoir.

