

## 2.7L TACOMA ROCK ASSAULT POWER STEERING KIT

130101-1-K

### KIT CONTENTS



**Note: This power steering upgrade kit only works after you have removed your rack and pinion steering system and have replaced with an 85-96 IFS steering box.**



## RECOMMENDED TOOLS

3/8" Drive Ratchet

3/8" Extension

11/32" drill bit

Drill

### Wrenches

1/2"

7/8"

17mm

18mm

19mm

Crescent

### Sockets

12mm

14mm

## CAUTION

1. Read all instructions completely and carefully before you begin.
2. Check to make sure the kit is complete and that no parts are missing (refer to the Kit Contents List on the first page of these instructions). If anything is missing, please contact Trail-Gear at 559.252.4950 or 1.877.4X4.TOYS.
3. Park vehicle on a clean, dry, flat, level surface and block the tires so the vehicle can not roll in either direction.

# INSTALL INSTRUCTIONS



## STEP 1

Disconnect battery.

## STEP 3

Grill must be removed at this point.

## STEP 5

Remove radiator.

## STEP 7

Remove ps pump and ps pump bracket.



## STEP 2

Drain radiator.

## STEP 4

Remove the lower fan shroud - 2 clips.

## STEP 6

Remove belt.

## STEP 8

Disconnect and plug vacuum ports.



## STEP 9

Install new pump bracket.



## STEP 10

Install new pump.



# INSTALL INSTRUCTIONS



## STEP 11

Using the reservoir bracket as a template, mark holes on fender and drill (11/32") Note: The top of the bracket should be just above the fuse box.



## STEP 12

Install reservoir.



## STEP 13

Temporarily install suction line, and barbed fitting. Mark the hose to the proper length, and trim.



## STEP 14

Apply light grease to barbed fitting and push hose over fitting.



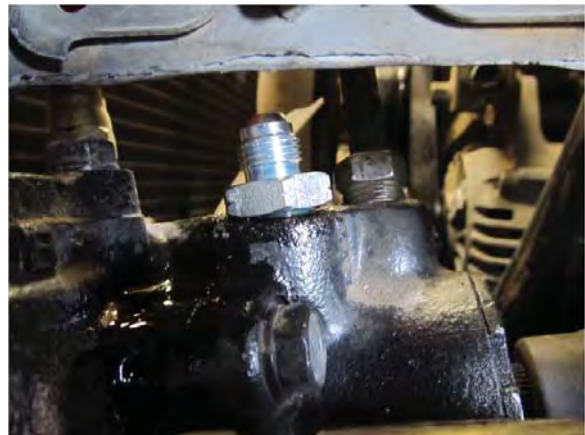
## STEP 15

Install new hose.



## STEP 16

Install high pressure fitting onto the high pressure port on the steering box



# INSTALL INSTRUCTIONS



## STEP 17

Install high pressure hose.



## STEP 18

Install cooler with round rubber spacers between the cooler and the A/C condenser .



## STEP 19

Route the hoses through a hole in the radiator support.



## STEP 20

Using hose clamps route steering box return line to top of cooler port and clamp.



## STEP 21

Route lower hose to power steering reservoir

## STEP 23

Re-install radiator and lower shroud.

## STEP 25

Fill radiator.

## STEP 26

Fill the power steering system with synthetic power steering fluid. We recommend Royal Purple full synthetic fluid. When filling the reservoir, do not fill to the top, allow about 1/2" for fluid expansion due to heat. It will take some time to fully bleed the system the first time. With the vehicle on jack stands and tires completely off the ground, engine not running, turn steering wheel from lock to lock several times and then refill the power steering reservoir with fluid. Note, this is done so that the power steering pump does not get started dry, which can cause damage to the pump. Now you're ready to start the engine and turn the steering wheel from lock to lock, we recommend that you run the motor for about 5 minutes at a time during the bleeding. Allow the oil to set until all the bubbles have separated out of the oil, then run the motor again for 5 minutes. Repeat this procedure until the oil runs without foam or bubbles.

## STEP 22

Re-install belt.

## STEP 24

Re-install grill.