

INSTALL INSTRUCTIONS



TACOMA REAR DISC BRAKE KIT

(144039-1-K)

KIT CONTENTS

2 ct.

Brake rotors



2 ct.

Brake calipers



2 ct.

Freeze plugs



2 ct.

(1) Long brake line
(1) Short brake line



2 ct.

Brackets



8 ct.

(6) M10x1.5x40 Bolts
(2) M10x1.5x35 Bolts
M10x1.5 Toplock Nuts





RECOMMENDED TOOLS

Hammer

Jack

Jack Stands

3/8" Drive Ratchet

1/2" Drive Ratchet

Torque Wrench

Press

Bearing Puller

Seal Puller

Brake Fluid (DOT 3)

Wrenches

10mm

11mm

12mm

14mm

17mm

Sockets

3/8" Allen Socket

17mm

19 or 21mm Lug Nut Socket

CAUTION

This installation removes your factory emergency brake. We strongly recommend installing an aftermarket e-brake or line lock.

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.
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 (CONT'D.)



Your ABS sensor must be removed in order to install this kit.

STEP 1

Remove the wheels and drums from your vehicle.



STEP 2

Disconnect the brake lines (10mm) and the e-brake cables.



STEP 3

Remove the 4 nuts holding bearing pocket in place on each side.



STEP 4

Slide the axle assemblies out of the housing. A small amount of gear oil may leak from the housing, so have a oil pan ready to catch the fluid.



STEP 5

Remove ABS sensor so that bracket will clear and install the provided freeze plug into the ABS sensor hole.



STEP 6

If you are installing new Trail-Gear chomoly axles, bearing pockets and bearings, skip to step 8. If you are reusing your axle shafts, bearings, and bearing pockets, remove the bearing retaining ring from the axle.



INSTALL INSTRUCTIONS (CONT'D.)



STEP 7

The drum brake assembly and backing plate should be removed with a press and a bearing puller according to your Toyota owners manual. If you do not have the correct tools or mechanical experience to complete this step we advise that you find a qualified automotive shop or an authorized Trail-Gear installer to complete this step for you in a safe and professional manner. If you have any questions about this step, please call Trail-Gear tech support at 559.252.4950 or 877.4X4.TOYS.

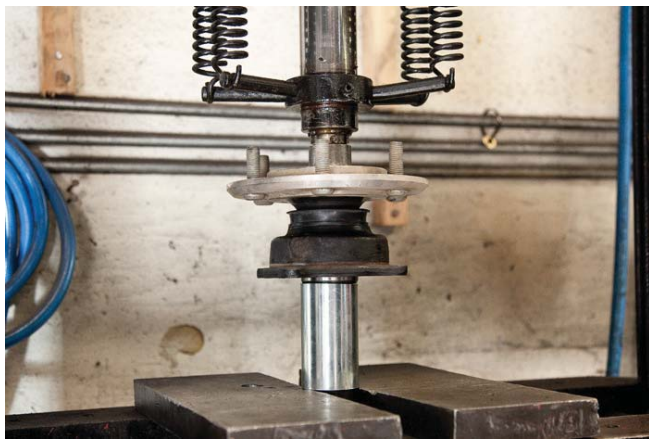
STEP 8

Press out the 4 studs holding the bearing pocket to the backing plate. Remove the old bearing and seal from the bearing pocket if you plan on installing new ones.



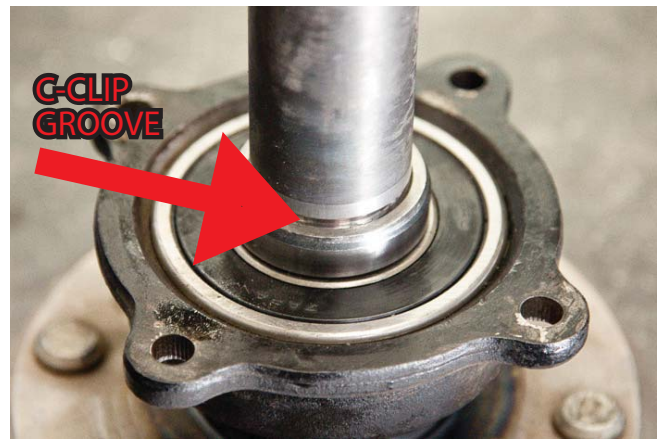
STEP 9

Install new seal and bearing in the bearing pocket and using a press, install the assembly on the axle. Install the bearing spacer and the snap ring on axle.



STEP 10

Install c-clip securely into groove. Take care to ensure that c-clip is completely seated in the groove.

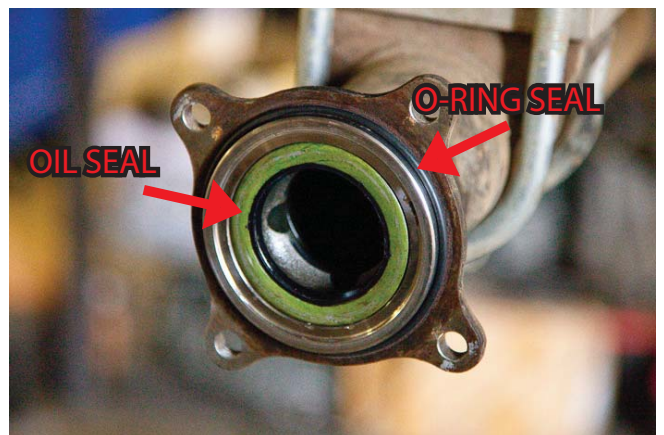


STEP 10 CONT'D



STEP 11

If you are installing new seals (recommended), remove the old o-ring from the axle housing and install new o-ring seal and oil seal.

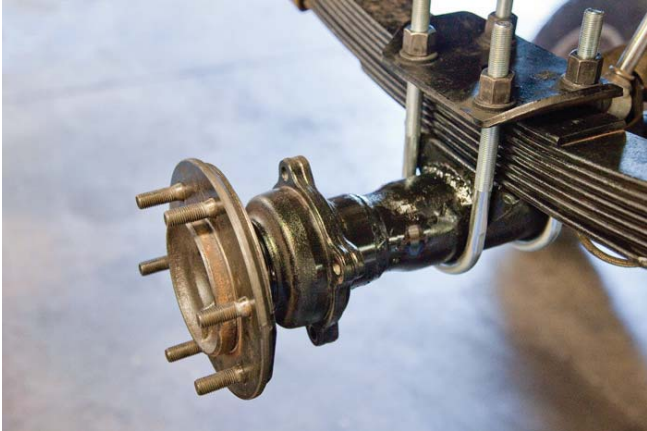


INSTALL INSTRUCTIONS (CONT'D.)



STEP 12

Install axle assembly into the axle housing.



STEP 14

Install one M10x35mm bolt in the remaining hole on each side. Torque all M10 bolts to 45-50 ft-lbs.



STEP 16

Install brake lines in calipers using the banjo bolt and 2 copper washers (1 per side) that were supplied with the caliper. The bend in the fitting needs to be facing up (away from the bolt head) so that the brake line can be routed over the leaf spring and on top of the axle.



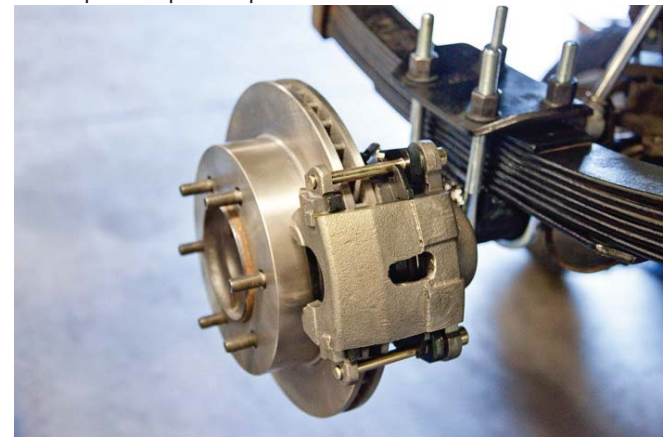
STEP 13

Using 3-M10x40mm bolts (per side), install the brake caliper bracket on the back side of the axle flange. The bracket needs to be clocked to the 2 o'clock position, or above the axle to the rear of the vehicle. The brake line enters the caliper from the bottom and the bleeder is on the top on both sides of the vehicle.



STEP 15

Place rotors over the wheel studs and install the calipers with the special fasteners that are supplied with the caliper. There is a right hand and a left hand caliper. The left side is shown, brake line on the bottom, bleeder on the top. Torque caliper bolts to 30-35 ft-lbs.



STEP 16 CONT'D

Note: If installing this kit with leaf springs, we recommend routing the brake line over the leaf spring pack and then covering the brake line with a piece of hose or flexible tubing to keep the brake line from chafing.



INSTALL INSTRUCTIONS (CONT'D.)



STEP 17

Install brake lines in the factory "T" mounted on the axle and secure the lines to the axle



STEP 17 CONT'D

Note: When installing disc brake conversion kit brake lines onto a factory Tacoma "Y", the brake lines are exposed and could be damaged by rocks as shown in step 17. We recommend cutting the factory bracket off of the axle housing and rotating it back toward the front of the axle tube so that the brake lines are moved out of harms way. An example is shown below.



STEP 18

Install wheels and torque lug nuts.

STEP 19

Completely bleed brakes so that all air is removed from the system and test for leaks.

ALL TRAIL-GEAR PRODUCTS ARE FOR OFFROAD USE ONLY