

INSTALL INSTRUCTIONS



ROCK ASSAULT™ TRUNNION BEARING ELIMINATOR KIT

(140254-1-K)

KIT CONTENTS

2 ct.

Steering Pins



4 ct.

Bushings



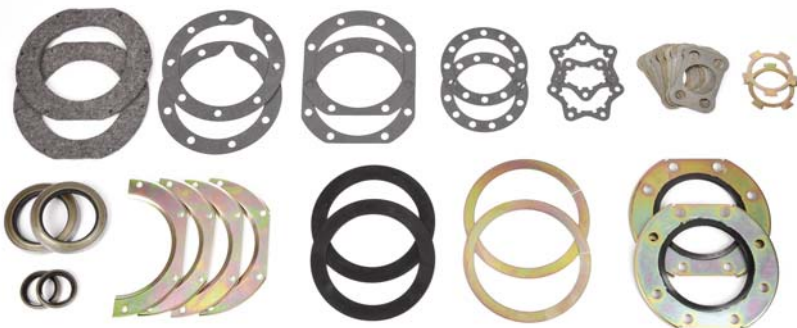
2 ct.

Trunnion Bearing Caps with
Pin Pressed In



1 ct.

Knuckle Service Kit





RECOMMENDED TOOLS

Hammer

3/8" Drive Ratchet

1/2" Drive Ratchet

Jack

Jack Stands

Press

Side Cutters

Needle Nose Pliers

Knuckle Pull Scale

Torque Wrench

Grease gun with zerkl adapter

Wrenches

5/16"

Sockets

10mm

12mm

13mm

14mm

17mm

19mm

54mm

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.
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.)



STEP 1 - INSTALLATION PREP

Chock rear tires, put front axle on jack stands and remove wheels and tires. Remove locking hub cap, outer birfield snapping and locking hub body. Remove spindle nuts and remove hub from vehicle. Remove spindle from vehicle and remove birfield. Remove (8) 10mm head bolts from back of knuckle and disengage felt, rubber and metal ring from knuckle. Remove tie-rod and drag link from steering arm. Remove nuts, washers, cone washers and steering arm from knuckle. Remove lower bearing cap nuts and washers and remove cap from knuckle. Remove knuckle from vehicle.

STEP 2 - REMOVE RACES

Remove races from the knuckle ball and clean the race pocket.



STEP 3 - INSTALL BUSHINGS

Install new bushings supplied in the Rock Assault™ Trunion Bearing Eliminator Kit.



STEP 3 (CONT'D) - INSTALL BUSHING

Ensure bushings are fully seated in pocket before continuing.



STEP 4 - INSTALL BEARING CAP

Install shims and new bearing cap with pin in bottom of knuckle. As a good starting point, we recommend 60 thousandths.



INSTALL INSTRUCTIONS (CONT'D.)



STEP 5 - PRESS OUT OLD PIN

Press out original pin from steering arm.



STEP 6 - PRESS IN NEW PIN

Press new pin into steering arm.



STEP 7 - GREASE PINS AND BUSHINGS

Grease both pins and bushings before installation.

STEP 8 - INSTALL KNUCKLE

Install knuckle on vehicle with shims and steering arm.



STEP 9 - CHECK STEERING PRELOAD

Check steering preload (15-25 ft/lbs).



STEP 10 - REASSEMBLY

Once preload is in specified range (15-25 ft/lbs), install axle and birfield back in the vehicle. Install metal ring, rubber ring, felt ring, and rock rings in the back of the knuckle. Install spindle on knuckle. Install hub and spindle nuts making sure to bend tabs over on the locking ring. Install locking hub body. Install snap ring and locking hub cap. Install tie-rod and drag link with cotter pins. Install tire and torque lug nuts. Repeat instructions for opposite side.