

INSTALLATION INSTRUCTIONS



ROCK ASSAULT™ REAR AXLE TRUSS KIT

302549-1-KIT, 79-95 TOYOTA PICKUP/4RUNNER 85-95 4RUNNER, 95-04 TACOMA

302550-1-KIT, TG ROCK ASSAULT TOYOTA HOUSING

302551-KIT, ROCK ASSAULT 9 (3 INCH TUBE)

302552-KIT ROCK ASSAULT 9 (3.5 INCH TUBE)

KIT CONTENTS:

ROCK ASSAULT REAR AXLE TRUSS (BREATHER KIT FOR TOYOTA AND ROCK ASSAULT HOUSING APPLICATIONS)



RECOMMENDED TOOLS

Paint Pen
Welder
Painter's Tape
Spray Paint
Drill
#7 Drill Bit
1/4"-20 Tap

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. Welding in large sections on an axle housing can cause the housing to warp. Weld all components in small, short sections to avoid axle housing warp.

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STEP 1

Prep housing by removing any grease or paint.



STEP 2

Place truss onto housing and mark areas to be welded using a paint pen.



STEP 3

Mask the areas to be welded off with painters tape.



STEP 4

Paint the portion of the axle housing that will underneath the truss to prevent corrosion.



STEP 5

If you are using an axle truss for a Rock Assault nine axle please skip to step 11

STEP 6

For Toyota trusses we included a breather hole and breather relocation kit.

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STEP 7

Install barb fitting into housing.



STEP 8

Install extension hose and clamp onto the barb fitting.



STEP 9

Install Grommet into axle truss.



NOTE: If the grommet hole on top is going to interfere with suspension mounting points a one inch diameter hole can be drilled elsewhere in the truss in order to pass the extension hose.



STEP 10

Place truss onto the housing and run extension hose through the breather hole and grommet.



STEP 11

Tack truss into place and verify that there are no major gaps.

Weld truss in small sections to prevent warping.



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STEP 12

Paint truss and axle housing as desired.

For Toyota trusses the remaining parts for the breather can now be installed.

STEP 13

Install double-ended barb and clamp onto Creeper Breather.

STEP 14

Find a suitable location for the breather and mark desired bolt location.



STEP 15

Drill and tap location for 1/4-20 bolt.



STEP 16

Install bolt.



STEP 17

Cut extension hose to desired length and secure using hose clamp.



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REPLACEMENT PARTS



140207-1



302540



302548



302553



1802013



302541



140208-1



302539

P/N	Description
302539	HOSE, BLACK, 1/4"IDX1/2"OD
302540	FITTING, 1/4"X1/4", BARB, BRASS
302541	GROMMET, 1/2"IDX1"OD, BLACK, RUBBER
302548	SCREW, SELF THREADING, 1/4"-20X1/2"
302553	CLAMP, HOSE, 1/2"OD, STEEL
140207-1	CREEPER BREATHER
140208-1	FITTING, 1/8BSPT TO 1/4" ID
1802013	CLAMP, 3/8, RUBBER LINED