

INSTALLATION INSTRUCTIONS



ROCK RIPPER™ TACOMA 2.7L HEADER

95-98 TACOMA/4RUNNER HEADER, 2.7L (180308-1-KIT)

KIT CONTENTS



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RECOMMENDED TOOLS

Flat Head Screwdriver
Torque Wrench
Hammer
Ratchet & Socket Set
Adjustable Wrench

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.
4. Any variation from these instructions or parts will void the 50-state smog legal certification.

INSTALLATION INSTRUCTIONS



STEP 1

Unbolt & remove the heat shield covering the stock exhaust manifold.



STEP 2

Unplug the O2 sensor from the wiring harness. Unbolt & remove the O2 sensor from the stock down tube. Do not touch the tip of the O2 sensor with your fingers at any time. Save the O2 sensor & hardware for reinstallation.



STEP 3

Unbolt the stock down tube from the catalytic converter.

STEP 4

Unbolt the EGR tube from the stock exhaust manifold.

STEP 5

Unbolt & remove the stock exhaust manifold & down tube from the engine. Use penetrating oil and take extra care to avoid breaking any fasteners. If you are not installing new hardware, save the flange nuts for reinstallation. (Note: Some components of the Air Intake system may have to be removed to do this step).

STEP 6

Completely remove the old exhaust manifold gasket and any remnants from the engine.



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STEP 7

Now that the stock exhaust manifold is removed, the Rock Ripper Header™ can now be installed. It is highly recommended that you purchase & install new hardware with your header. Anti-seize compound should be applied when installing the new hardware.

STEP 8

Install the new Exhaust Manifold Gasket onto the engine.



STEP 9

Install the Exhaust Header onto the engine. Torque the flange nuts to the 36 ft-lbs.



STEP 9 (CONTINUED)



STEP 10

Install the O2 Sensor/EGR Gasket between the EGR tube and the Exhaust Header.



STEP 11

Using the 5/16" nuts, bolts, and washers supplied in the kit, bolt the EGR tube to the Exhaust Header. If your vehicle does not have an EGR tube, bolt the supplied Block-Off Plate to the Exhaust Header.



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STEP 12

Install the Down Pipe over the Exhaust Header collector tube.

STEP 13

Carefully install the Exhaust Gasket between the Down Pipe flange and the catalytic converter flange.



STEP 14

Using the M10 nuts, bolts, and washers supplied in the kit, bolt the Down Pipe to the catalytic converter.

STEP 15

Install the Stainless Steel Exhaust Clamp centered over the joint between the Down Pipe and the Exhaust Header. Make sure that the joint of the Stainless Steel Exhaust Clamp is located away from the compression slits on the Down Pipe. Torque the Exhaust Clamp Bolts to 48-60 ft-lbs.



STEP 16

Install the O2 Sensor/EGR Gasket onto the down pipe.

STEP 17

Install the O2 Sensor onto the down pipe.



INSTALLATION INSTRUCTIONS



STEP 18

Reconnect the O2 sensor quick disconnect to the vehicle wiring.



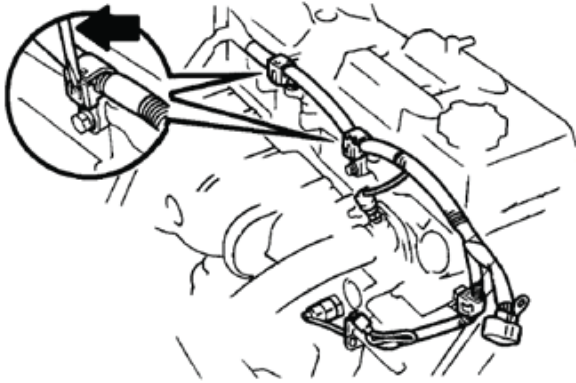
STEP 19

Cut the insulation provided in the kit down the length of the tube.



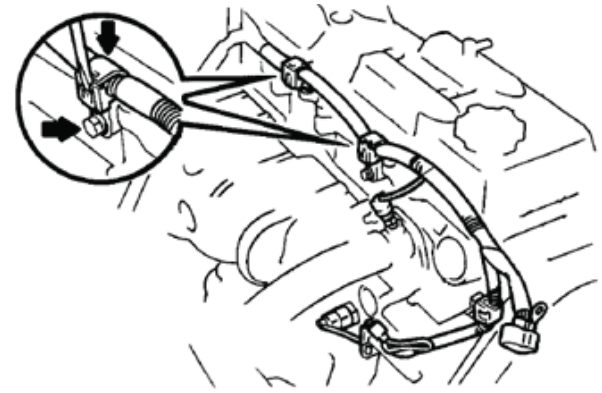
STEP 20

Using a screwdriver, open the plastic engine block clamps. Remove the engine harness from the (2) plastic engine block clamps.



STEP 21

Remove the (2) plastic engine block clamps. Discard the (2) plastic engine block clamps and mounting bolts.



STEP 22

Place the insulation around the engine wiring harness.



STEP 23

Place the new steel clamps around the insulated harness. Using the M8 bolts provided with the kit, fasten the clamps to the engine block.



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STEP 24

Wipe down all the polished surfaces of the Exhaust Header, Down Pipe, and Exhaust Clamp with alcohol.

STEP 26

Apply the provided C.A.R.B. decal to the underside of the hood, under the Vehicle Information Decal.



STEP 25

Start the vehicle and check for leaks. If there are any leaks, allow the vehicle to cool, and retighten the applicable hardware.

STEP 27

Note: The Stainless Steel Header will naturally patina after the first few times of use. This is normal and is not grounds for a warranty return.

