



T4R5 4RUNNER Front Bumper

installation instructions

IMPORTANT:

Thank you for purchasing this CBI product. Please read through this entire document before proceeding with installation. If you are not confident in your mechanical skills, please seek the help of a professional to perform the installation. Check your packages immediately upon arrival to ensure that everything listed is included, and to check for damage during shipping. If anything is missing or damaged, or if you need technical assistance with any aspect of this installation, call CBI at (208) 528-0664 as soon as possible.

Hardware:

- (4) – 3/8 U-Nuts
- (4) – 3/8 x 3/4 Bolt
- (4) – 3/8 SAE Washer
- (4) – 5/16 x 3/4 Bolt
- (4) – 5/16 Flange Lock Nut
- (2) – M12 x 35mm Bolt
- (2) – 1/2 SAE Washer
- (4) – #8 x 3/4 Truss Head Phillips Machine Screws
- (4) – 1/4 x 1/2 Button Head
- (4) – 1/4 Flange Lock Nut
- (2) – 5/16 x 3/4 Hex Head Bolt
- (2) – 5/16 Flange Lock Nut
- (2) – 5/16 SAE Washers
- (2) – Fog Light Brackets



Fog light mounting brackets

Tools Required:

- 10mm socket
- 14mm socket
- 17mm socket
- 19mm socket
- 10mm end wrench
- 12mm end wrench
- 14mm end wrench
- phillips screwdriver
- 7/32 allen wrench
- 3/8 & 1/2 ratchet
- 4" grinder with cutoff wheel
- masking tape
- tape measure

For questions or further help:

Call: 866-522-0697
Email: info@cbioffroadfab.com



Applications

These installation instructions apply to the following CBI Off Road products

T4R5-FBPRM	2014-2018 4Runner Frunt Bumper
T4R5-FBPRM-CGP	2014-2018 4Runner Frunt Bumper W/Center Grill Guard
T4R5-FBPRM-FGP	2014-2018 4Runner Frunt Bumper W/Full Grill Guard
T4R5-FBPRM-CGP-SH	2014-2018 4Runner Frunt Bumper W/Short Center Grill Guard

IMPORTANT INFO:

If your CBI product comes as unpainted, bare steel or aluminum. You will want to either powder coat or paint prior to final installation, however it is very important to PRE-INSTALL the unpainted product first, following these instructions, BEFORE painting or powder coating any of the components! This will ensure that all parts are correct and any incidental trimming or drilling will have been done prior to coating. Also, it will give you a practice run to familiarize yourself with the process, to lessen the likelihood of damaging the finish during final installation. CBI Off Road is NOT RESPONSIBLE for paint or powder coating costs, damage to paint or powder coating, or costs associated with inadvertently painting or powder coating components that are defective or were shipped or assembled in error. It is the customer's responsibility to pre-install and verify that all parts are correct prior to paint or powder coat.

Installation

1) Remove bolts under the bumper as shown in photos – A, B, C



2) Unplug driving lights by turning the bulb socket counter clockwise until free, about 1/4 turn **photo – D**



3) Lay out the cut line by measuring as shown in photos – E, F,



stretch a piece of masking tape around the bumper on each side to middle grill, (a laser can be helpful with this step, they can be found inexpensive at Harbor Freight). **Photo – G** shows where to cut the grill. Once the cut is complete the bottom half of the bumper should fall off.

G

CENTER SECTION OF STOCK BUMPER

4) Now that the bumper is gone you can now prep the rest of the front for install.

5) To start with, remove the aL. impact bumper using a 14 mm socket **photo - H,I,J** so that the frame looks like this **photo - K** save all hardware.



6) Remove plastic vertical air dams on each side of the radiator.

7) Wrap power steering cooling line with old piece of heater hose to protect it and tie to the center support **photo - L**.

Note: it may be necessary to force these loops up a bit on each side to relieve tension on the soft lines
photo - M.



8) Cut the plastic mounting that the bumper clips into on the sides even with the original cut. Do not cut too deep, the metal pinch weld will stay.

9) Wrap rubber trim around cut plastic.

Inserts

Now it's time to prep the bumper for install.

First install the mesh inserts around the fog light opening using the #8 x ½ button head bolts and lock nuts.

Now you can install your fog lights. Most 4 inch aftermarket lights fit in the CBI bumper. Your factory driving lights fit as well with the supplied brackets.

Factory driving lights

First, two of the four tabs on the light housing must be removed **photo - N, O**, these are the tabs that face the inside of the bumper. These can be removed with a sander or hacksaw blade real easy.



N Double check to make sure you are cutting the correct tabs



Now bolt the CBI bracket to the light using two $\frac{1}{4}$ x $\frac{1}{2}$ button head bolts & nuts as shown in **photos - P, Q**.

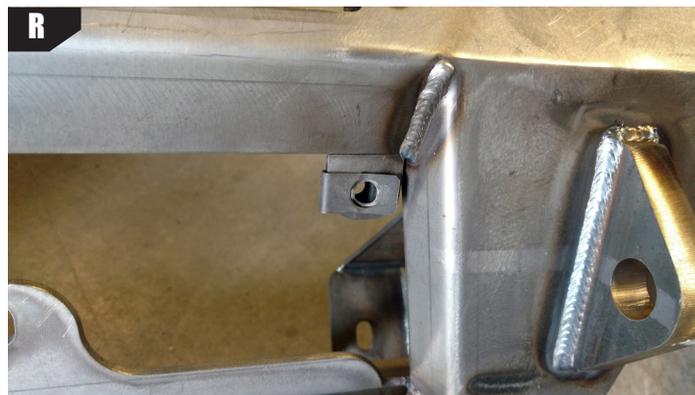


You can now bolt this assembly into the bumper and adjust. The CBI Premium bumper accepts most modern winches. If mounting a winch, now is the time before the bumper is mounted to the truck. **NOTE: if mounting a winch leave the center plate off the bumper with the fairlead, this will be installed later.**

The bumper can now be help up to the truck and bolted on using the bolts removed from the impact bumper, also install the two 12mm bolts supplied with the bumper on the side mounts. Once all the mounting bolts are in loosely, adjust the bumper to fit the truck and tighten down all the mounting hardware.

NOTE: Watch the a/c line from the condenser to make sure there is clearance. If the line makes contact with the bumper then carefully bend out of the way. You want at least a $\frac{1}{2}$ inch of clearance.

Now that the bumper is on the truck, you can bolt up the front plate. Install the 4 - $\frac{3}{8}$ "U" nuts on the tabs on the bumper as shown in **photo - R**



Now bolt the plate on using 4 $\frac{3}{8}$ x $\frac{3}{4}$ button head bolts.

NOTE: If mounting a winch the fairlead will have to be mounted at this time.