

# INSTALLATION GUIDE

Toyota Tundra 14+





Included Hardware:

- (8) 1/2"x 1.5-13 Grade 8 Zinc Plated Bolt
- (24) 1/2" USS Grade 8 Zinc Plated Flat Washers (use as spacers/shims)
  - (12) 1/2"x 13 Grade 8 Zinc Plated Nylon Lock Nuts
- (4) 1/2"x 4.5-13 USS Grade 8 Zinc Plated Flat Washers
- (2) Frame Reinforcement Brackets (left and right)
  - (1) Main Internal Mounting Bracket

Tools:

- Standard and Metric Socket set
- Standard and Metric Wrenches
- Hex Keys/Allen Keys (wrenches)
  - 1/2" drill bit

Skill Level:

4/5 stars (Professional install recommended)

1. All needed tooling included in shipment 2. Some tools required assemble 3. Some drilling required 4. Some drilling, light welding and grinding required. 5. Heavy fabrication require

### Remove Stock Bumper

Take off the plastic on the inner fenders by removing the clips using a 10 mm socket or wrench. You do not have to completely remove the plastic that is part of the bumper, as it will come off with the bumper.



### Remove Stock Bumper (Cont)

Now that you have unbolted the plastic inner fender well piece (see picture), you can unhook any oem fog lights or sensors.



### Remove Front Bumper

Remove the oem recovery hook (see pictured). Above the oem recovery hook you can see the factory nuts that hold the stock bumper. There are 4 on each frame horn (3 on the outside and 1 on the inside respectively).

Remove these bolts with a 14mm socket or wrench. Once all 4 bolts are removed the stock bumper will come off. This bumper is a little heavy so be careful when removing.



### Remove Front Bumper (Continued)

If desired you can also remove the grill. This can make it a little easier to get the bumper off and position your Expedition One bumper during the install.



### Remove Front Bumper (Continued)

Now the stock bumper should be removed and you can begin to install your Expedition One bumper.



### Drill Holes

Mounting the frame reinforcement brackets require drilling a hole on the inner side of the frame. There is a pre-existing hole on the outside of the frame you can use as a pilot hole to drill through (as pictured to the right).

Make sure to drill straight through using a 1/2" drill. Be careful when you break through the frame not to damage any hoses or components of the engine bay.



### Mount Brackets

Locate the internal mounting brackets (pictured to the right). Install utilizing the oem flange nuts, it is recommended you install just the nuts on the inside of the frame initially.

\*\*Keep all the bolts relatively loose so you can fit everything in place before tightening.



### Mount Brackets (Cont)

Next, install the frame reinforcement brackets utilizing the factory bolts for the front 3 bolts on the frame, and the 1/2" long bolts. Install the 1/2" long bolts with a washer on both sides (nut side and bolt side). Repeat this step on the other vehicle side.

- Once you have the frame reinforcement brackets located and the frame reinforcement mount centered as best as possible, we recommend tightening all the bolts.



### Mount Brackets (Cont)

If you plan on mounting a winch in your bumper and you haven't already done so, this is the time to mount it. This particular winch mount is foot forward and shares mounting location with the fairlead bracket on the back side mounting holes of the winch.

- Install your E1 bumper by sliding it into place, we recommend a friend to help you get everything lined up properly (especially if you are mounting a winch at the same time).



### Mount Brackets (Continued)

Use 4, 1/2" bolts on each side of the bumper in the internal mounting locations.

- Helpful hint\* Do not install the lights in the ports yet, you will utilize this space for install (pictured right).



### Remove Front Bumper (Continued)

To properly level your bumper, we recommend installing a nut, bolt, and washers on one side towards the top, then move to the other side. You will likely need to adjust it several times before getting the location and fit you want. We recommend maintaining a gap of at least 1/2" between the bumper and the grill to accommodate for frame body flex.

- Adjust the bumper as desired then tighten all your bolts. Tighten all bolts to standard torque specs.



### Lights

Lights can then be installed per manufacturer instructions. Because all lights vary in size some will fit better than others. You may want to use washers as spacer shims to get the height you desire.

- Re-tighten and check all bolts approx. 500 miles after initial install.