

## **2016+ Tacoma high clearance rear bumper:**

***NOTE: Installing this bumper onto the truck requires a permanent cut, it must be done right! Have a professional install the bumper if you are not completely confident in making this cut or do not have the tools to do so. We will not be held liable for errors or improper installs of this bumper!***

Remove factory rear bumper- (note it is recommended to remove your spare tire before starting install for ease of access under the truck, especially if you are later putting your spare onto a swing out carrier)

Under the back of the truck near the drivers side frame rail tucked under the bed are 2 large wiring connectors for rear license lights, sensors, and trailer wiring. Disconnect the plugs to free the wiring between the truck and bumper. Next there are 5 bolts per frame rail to be removed with a 17mm ratchet. After the bolts are removed the bumper lifts up slightly and pulls off straight back (there are pins on the hitch brackets, and an L channel in the frame). This can be a bit tight to pull off the frame on some trucks. It is helpful for a person to pull from each side of the bumper together to release it from the truck. Set bumper aside.

To prep for bumper install we'll need to cut the sides of the truck. Here are some pictures of the cut on the sides.

Note that at the front corners at the bottom of the trail light, just below the tail light, there is a small tab of sheet metal left over when trimming the bed, DO NOT cut this portion out, it is needed to hold the bed side at the light.

Also the rear portion of the bed side cut near the tail light does not need to be trimmed up quite as high as the forward sections as the bumper wraps outside of the bedside near the light and mid-way forward between the flare and tail light at the body line. The bed side cut line measurement is 20 1/4" measured down from the bottom edge of the plastic bed rail caps straight down to just behind the fender flares. Lay a tape line and ensure the cut is straight and parallel to the ground/ trucks body lines before starting to cut. \*Live by the 'measure twice, cut once' rule here. This is a permanent cut, it must be done right! Have a professional install the bumper if you are not completely confident in making this cut. After cutting, paint the raw metal edge and once dry slip a piece of door edge trim onto cut edge for protection.

Now remove your sonar sensors (if applicable) and license light wiring from the stock rear bumper- The factory bumper has a lot of clips holding everything together to access all of these plugs. Disassemble until the sensors and license light connectors can be unplugged. Then release the sonar sensors from the bumper cover and pop them into the new bumper (again, if applicable to your bumper). The new bumper comes with aftermarket LED license plate lights. You will need to cut the plugs off the ends of the factory license plate wiring and use connectors to wire up the new license lights. Route the wiring inside the bumper behind the tow hitch backing plate to help hold it inside. If you are connecting the sonar sensors in the bumper use the long ends of the harness and route the wiring through the hole in the bumpers mounting plates and connect the plug into the sensors.

Once all the wiring is routed in the new bumper and the cuts have been made on the truck we can now lift and install the new bumper. Note that this requires either the strength of 2-3 people to lift and secure, or the aide of mechanical lifting methods like a hydraulic lift table. With the bumper on, thread in all the bolts and ensure the bumper can be installed at the height desired (we lift ours level to the edge of the plastic trim under tail lights), level to body lines, and with a 1/4" gap between the bed side cut and the top edge of the bumper. Tighten all

10 mounting bolts to 70 ft-lbs. then connect your wiring plugs and pop in your trailer wire plug if needed to complete the install.



