



2010 - 2023 THUREN REAR BUMPER

These instructions are applicable to the following Trucks:

- 2010 - 2023 Ram 2500
- 2010 - 2023 Ram 3500
- 2010 - 2023 Power Wagon

Applicable Part Numbers:
TF-RBPROEH-1022



Baja Designs S2 lights
Not Included

* Bumper does not have Parking Sensor Provisions

1. Pre-Assembly Notes

- Disconnect license plate lights and factory hitch wiring from factory bumper

WARNING

Install license plate light into the bumper, facing the LED toward the license plate. It is not possible to do this after the bumper is installed. Do not over-tighten the nut! The assembly is somewhat fragile.

- Remove license plate from the OEM bumper and install license plate with (4) 1/4" flange head bolts.

2. Remove Factory Rear Bumper

(<https://youtu.be/hNZJUT-qqFk>)

- Remove hitch wiring plug from factory bumper by depressing spring tabs on plug. Spread tabs approximately 1/2" and push wiring plug into Thuren bumper. Tabs may need spread more or less to snap into place. Use small screwdriver if necessary to pop tab into place from backside of bumper.
- Some trucks have locating nipples that protrude straight back from the factory bumper brackets that index into the factory bumper. If your truck has these, drive the studs out or cut/grind the nipples off flush with the bumper bracket surface.

3. Wire Prep

- Cut off Left Hand/drivers side license bulb holder near the socket and strip the wires.

WARNING

Leave passenger side bulb in the socket, tuck socket up somewhere near spare tire and secure with zip ties. Bulb needs to be left operational or truck will likely have a bulb out message on dash.

4. Installing Bumper

- Set Thuren bumper onto hitch tube.
- It is intended with this bumper you will trim the fender bottoms off for more off-road clearance. You don't have to do this, but it will be odd looking if you don't. The bumper should be sitting by itself in place right now and now is a good time to mark your cut line with masking tape on the fender. Generally, any angle will look great, just shoot for a line right below the bumper down to the fender opening right below any support brackets.

WARNING

The 2019+ trucks have a factory tailgate drop damper shock mounted inside the lower bed corner, that protrudes lower than the bumper. Look underneath inside the corner and you can see the Ball-Socket and bracket. DO NOT CUT ABOVE THIS AREA OR YOU WILL CUT YOUR DAMPER IN HALF!

- Remove bumper, add a few layers of masking tape to protect your paint, and with either a cut off wheel, body saw, or SawZall with a VERY fine tooth blade, make your cuts.
- Secure inner bumper bracket flanges using the (4) 8mm x 24mm flange head bolts, secure but don't fully tighten hardware. (some trucks do not have these flanges. if yours is one of them, proceed to next step.)
- Use (4) 1/2" x 1.25" flange head bolts with flange nuts to secure outer bumper bracket flange to bumper, secure but don't fully tighten hardware.
- Drop 5/8" x 1.5" flange head bolts down through bumper and through factory hitch assembly, thread bolts through flag nuts inside bumper.

WARNING

Check bumper alignment left to right and up and down. There should be roughly 1 3/8" - 1 9/16" gap between the bumper and bottom of tailgate with the gate up.

- If bumper alignment is good, proceed to tighten hardware starting with 1/2" outer bracket flange bolts first, 8mm second and 5/8" bolts last

5. Torque Specifications

- Torque 1/2" hardware to 100 ft lbs, 8mm hardware to 40 ft lbs and 5/8" hardware to 150 ft lbs.
- Install blanking plugs into open holes the 5/8" bolts dropped through on bumper.

6. Wiring

- Connect black factory license light to black Thuren license light wire.
- Slide on 2" piece of heatshrink prior to connection.
- Connect white/blue striped factory license wire to red Thuren license light wire.
- Use heat source (i.e. lighter, heat gun) to fasten heatshrink around wire connection.
- Secure excess wiring with zip ties.



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