

Dobinsons 2016+ Tacoma 4x4 Front Bumper Installation Instructions

Will work with 9500LB low mount winches with a movable solenoid control box. "i" model winches won't work in this bumper.

This bumper is supplied as raw steel. It is recommended that you have it and all supplied brackets sandblasted and powder coated or painted by a quality shop prior to installation. Any customization to the bumper should be done before that process. Extra sanding of the welds, custom light tabs, or holes for CB antennas or any other custom work should be considered before sending the bumper to paint. Full test fitting of the bumper is recommended before paint though, to ensure there are no issues.

Approximate install time for bumper alone is 2.5 hours (depending on skill level). Add an extra hour for winch install. An extra 30 mins for fog light wiring and driving light wiring.

Tools Required/Recommended

Basic Tool Kit

Jigsaw for trimming of OE plastic and metal parts

Metric socket set and/or Metric wrench set

Painter's masking tape

File for plastic and metal

Sharp utility blade

OE Bumper Removal

- A. Remove license plate, if installed.
- B. Remove front grille, including the top bolts and the clips near the headlights, and push the tabs to release it.
- C. Using a M10 socket remove 6 "8 in some cases" inner fender flare bolts (don't forget the 2 bolts hidden inside the fender flare lining. Carefully remove pop pin from fender and save for reuse.
- D. Pull away the fender flare (it's clipped in) from the bumper.
- E. Remove lower valance using a 10mm socket (there are 13 bolts).
- F. Remove 6 pushpins from top of the bumper.
- G. Remove all screws in the plastic pieces.
- H. Remove side of the bumper where it meets fender flares.
- I. There are 2 x 10mm bolts on the center bottom of the bumper, remove them.
- J. Disconnect fog lamp wiring, then pull the bumper off.
- K. Once you have removed the bumper, remove the plastic crush beam cover and aluminum crush beam from the frame and unbolt 3 bolts holding the plastic frame to truck.
- L. Remove the plastic piece on either side of the radiator
- M. Remove the plastic piece under the headlights and reuse bolts to secure headlight
- N. Make sure you have removed everything protruding from the frame, and frame should be ready to receive your Dobinsons bumper

Installing New Bumper

- O. Mount fender flares back up (if they were fully removed) and plastic bumper cover and mark them to proceed cutting. There is a series of photos in the last 3 pages. There is a line about 3-4" below the headlight, near the grille, and that is used as a guide to trim/cut all the way around under the headlight and to the edge of the fender, including the fender flare. Using painter's tape, make a line from that existing line to tape all the way around that corner to make the trim. Once trimmed, clean up the plastic with a file, and either leave it as is, or you could add some push-on trim material (not supplied) for a cleaner look. A 3/8" gap must be left between the bumper and the plastic and fender flare. If the

bumper is pushed up too high, contact will be made which could cause noise and wear off the paint. Paint any metal that was trimmed prior to installing the bumper, to prevent future rust.

- P. Mount supplied frame brackets on truck using OEM hardware (6 x M10 nuts), make them snug but keep them loose.
- Q. If fog lights are fitted to the original bumper, remove the OE wiring harness from the bumper at this time, ready for the use with the new bumper. You will be able to splice that wiring to work with the new LED fog lights, or whichever lights you want to install into the new bumper. The connectors will not match up, so cutting/splicing is required.
- R. Install the new fog lights into the bumper, leaving the hardware snug but still loose, so that they can be aimed once the bumper is in the final position. LED fog lights need to be aimed towards the ground as much as possible to avoid glare to oncoming traffic.
- S. Install the new LED turn signal and parking lights into the bumper. These do not come with a wiring harness. They will need to be spliced into the factory wiring if you want them to be functional by tapping into it using wire taps.
- T. Install the winch and control box into the new bumper, if desired, before mounting the bumper onto the vehicle. You won't be able to get the winch in there after the bumper is mounted. Control box mounting will vary depending on the winch used, so take some measurements and figure out the best location for it, and also so that you can access the control box when needed. A winch can be installed at a later date by simply removing the bumper from the brackets, and should take under 10 minutes to remove.
- U. Mount the new bumper to brackets using the provided hardware, leave all hardware snug, but still loose for fitment adjustment.
- V. Adjust bumper height so it is even on both sides, leave a 3/8" gap to let the body flex, and so that the bumper doesn't hit the fenders or flares with flex. The easiest way to do this is with a floor jack and some wood blocks to hold the weight of the bumper and set it even from side to side.
- W. Fully tighten all bolts on the frame brackets first, then the bolts that hold the bumper to the brackets when done adjusting, checking alignment as you go.
- X. Reinstall the factory grille back onto the truck.
- Y. Reassemble inner fender completely, and once it's all in place, using a sharp blade, trim the plastic inner fender to your liking so that it is not hanging down below the bumper line.
- Z. Driving lights can be installed onto the bumper at this time.
- AA. If a license plate is required, it will need to be mounted in front of the winch opening. Trimming of the license plate and new holes may need to be drilled to achieve this.
- BB. Check all hardware after 200 miles and retorque if necessary.

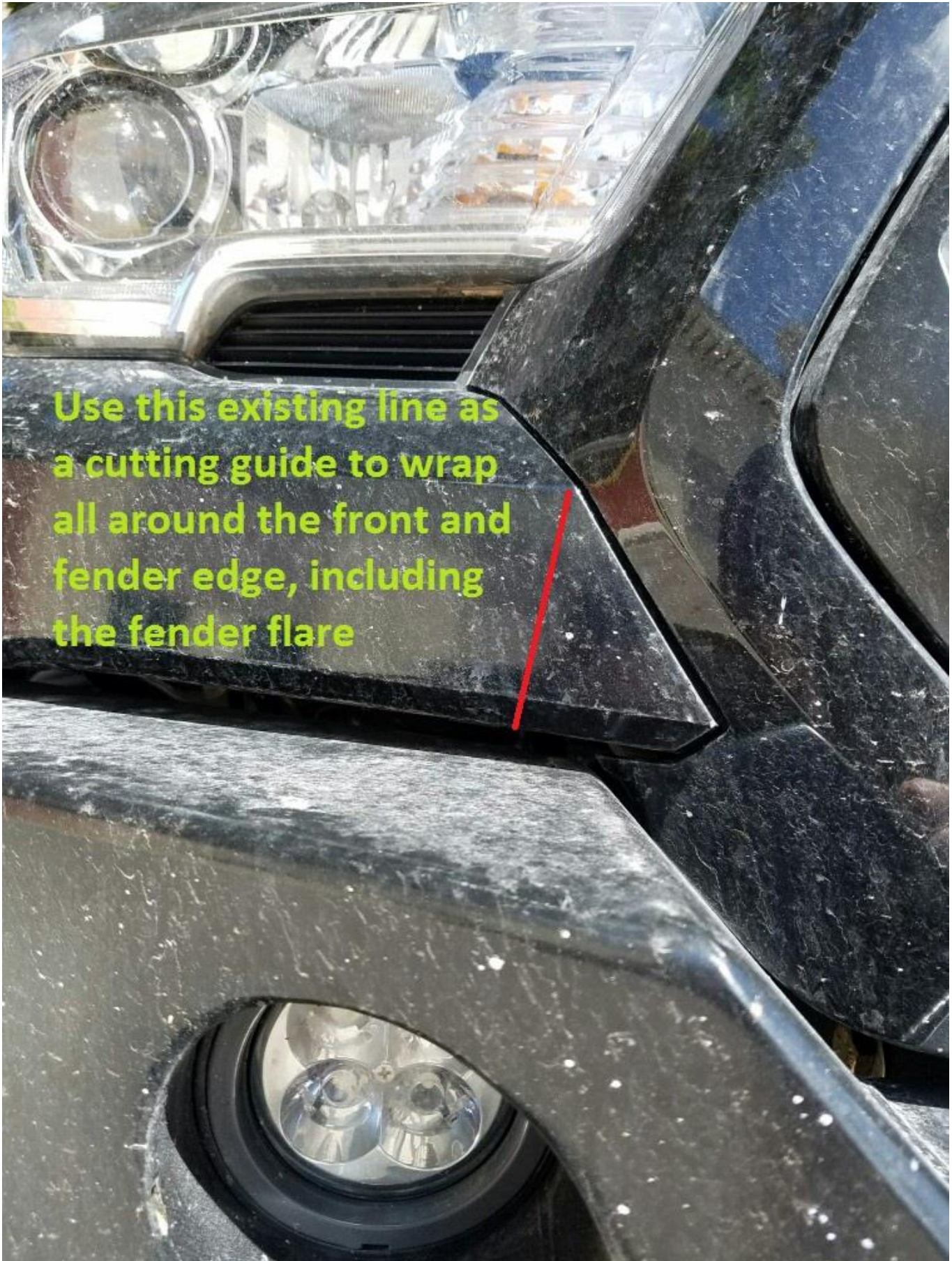


Dobinsons

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Final installed bumper on a 2016 TRD Offroad Tacoma



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