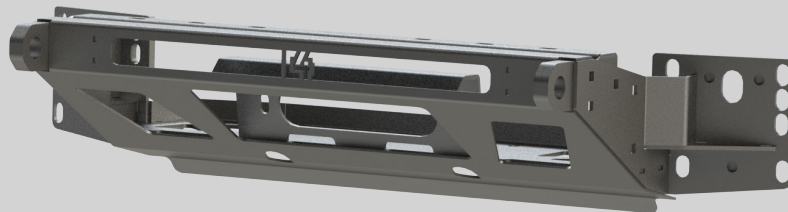




## Installation Instructions

# 2024+ 250 Series Land Cruiser Lo-Pro Bumper



# Step 1

Remove the top radiator cover (Figure 1) by depressing the heads of the 8 clips. Once the clips have been depressed, they can then be removed along with the cover.



Figure 1: Left - Radiator cover to be removed. Right - Plastic clip depressed so it can be removed and the radiator cover removed.

# Step 2

Remove the 3 bolts (10mm) securing the top of the grille (Figure 2).

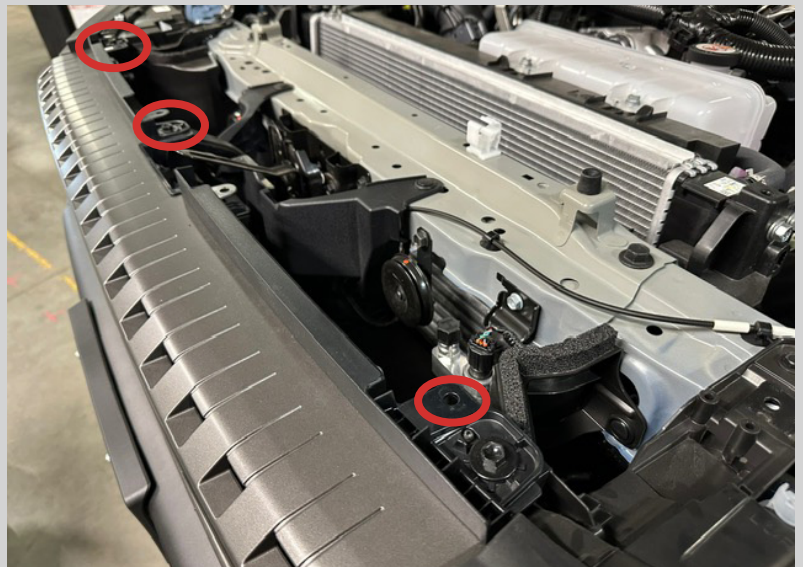


Figure 2: Bolts removed that secure the top of the grille.

## Step 3

Remove the clips and screws along the front of the fender flares shown in Figure 3.



Figure 3: Clips and screws to remove along the front of the fender flares.

## Step 4

Remove the lower air deflector by removing the 3 screws (10mm) on the bottom (Figure 4) and the 2 clips on the back side in the wheelwell.



Figure 4: Lower air deflector to remove.



## Step 5

Remove the 3 white plastic clips. Next remove the lower screw that attaches the bumper cover to the fender liner and the bolt (10mm) seen in Figure 5.

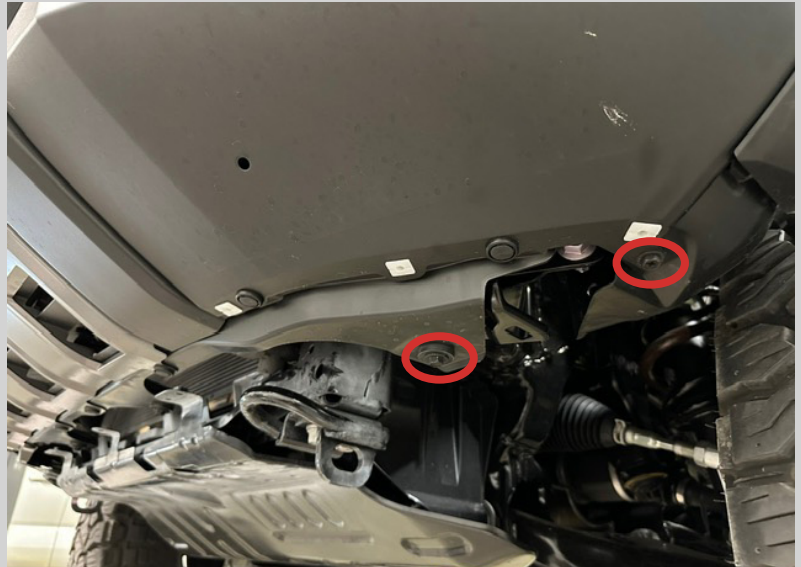


Figure 5: Bolt (center of the photo) and Screw (right) to remove.

## Step 6

Remove the 2 bolts (10mm) in the center of the bumper cover in front of the skid plate (figure 6).



Figure 6: 2 lower bolts (10mm) to remove.

## Step 7

Remove the factory front skid plate by removing the 6 bolts that secure it using a 12mm socket.

## Step 8

Unclip the front of the fender flare by depressing the black clip (Figure 7) from behind the bumper cover and pulling the flare outward. This clip can be difficult to reach.



Figure 7: Clip on the fender flare.

## Step 9

Remove the plastic clip that secures the fender liner behind the fender flare (Figure 8). Also remove the screw at the top corner of the bumper cover (Figure 8).



Figure 8: Left photo shows the screw (top of photo) and the clip to remove. Right photo shows the clip and screw removed.



## Step 10

On the passenger side, pull back the front of the fender liner to find the large plug (Figure 9) on the wiring harness connecting the bumper to the body and unplug it. On the driver's side, do the same but the connector is smaller (Figure 10).

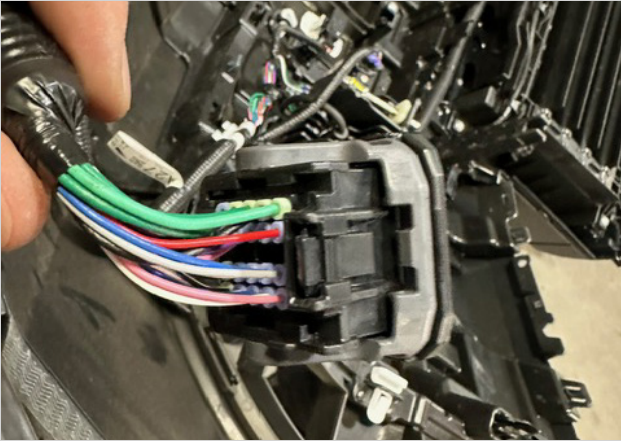


Figure 9: Plug behind passenger side fender liner



Figure 10: Plug behind driver side fender liner

## Step 11

Remove the bumper cover by pulling outward behind the flare and then forward. You may need to use a plastic trim removal tool to release the clips underneath the headlights (Figure 11).



Figure 11: Removing the bumper cover.

## Step 12

Set the bumper cover face down on a blanket so the lower center cover can be removed from it. Find the two white clips securing the cover in place and remove them (Figure 12). Note, you only need to remove the clip toward the center on each side. Next, remove the two phillips screws in the center of the lower cover (Figure 13).



Figure 12: Remove the white clip on each side



Figure 13: Remove the two screws in the center

## Step 13

Remove the four plastic clips on the lower face of the center cover (Figure 14).



Figure 14: Remove the 4 plastic clips along the bottom edge.



# Step 14

Unclip the tabs along the bottom portion of the grille that hold the top edge of the lower center cover (Figure 15). Use a screwdriver to pry the locking tab down (Figure 16).

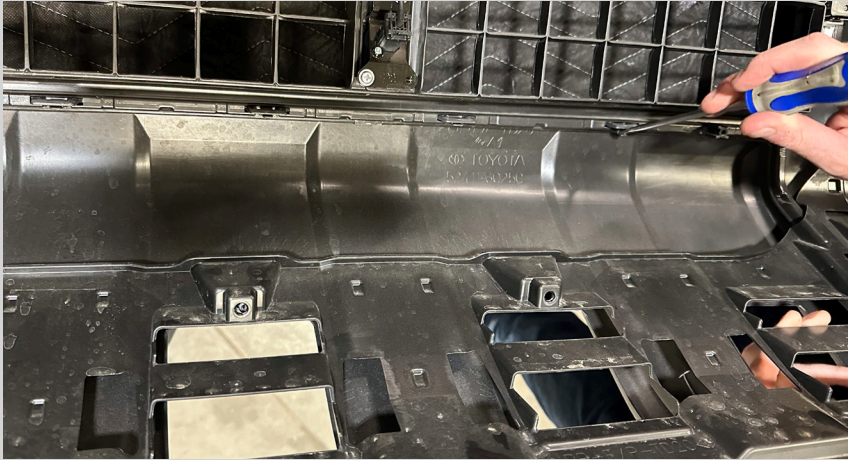


Figure 15: Release the clips along the top edge of the lower cover

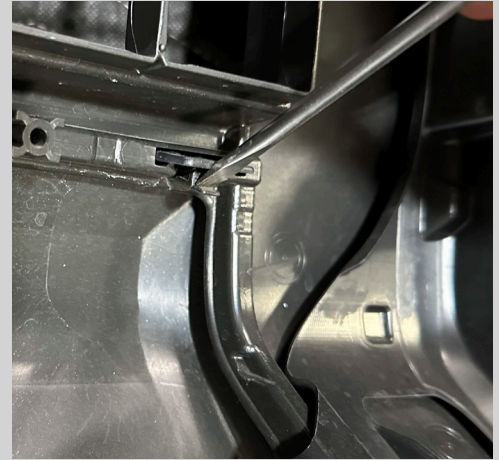


Figure 16: Pry the tab down to release



# Step 15

Prepare to cut the bumper cover by marking the cut along the inside corner of the lip where the lower cover was (Figure 17). Using an angle grinder with a cutoff wheel, dremmel, body saw or other tool, cut the center of the bumper cover out. You will want to cut the bumper on the inside corner so the cut is not visible (Figure 18). It is easiest to cut in the flat portion to remove the unneeded plastic and come back later with a sanding disc to clean up the edge and sand it back to the finished edge.



Figure 17: Cutline on the bumper cover.



Figure 18: Make sure to cut in the corner along the sides and top of the bumper cover or down in the flat spot (red line) and sand the edge back to the molded edge of the bumper cover (blue arrows).

## Step 16

Using a 9/32" drillbit, drill a hole about 1" over from the cut edge and 1" up from the lower back edge of the center black trim panel and structure behind (Figure 19). Repeat this on both sides and insert one of the black plastic clips that was previously removed from the lower center cover to secure the trim to the structure behind.

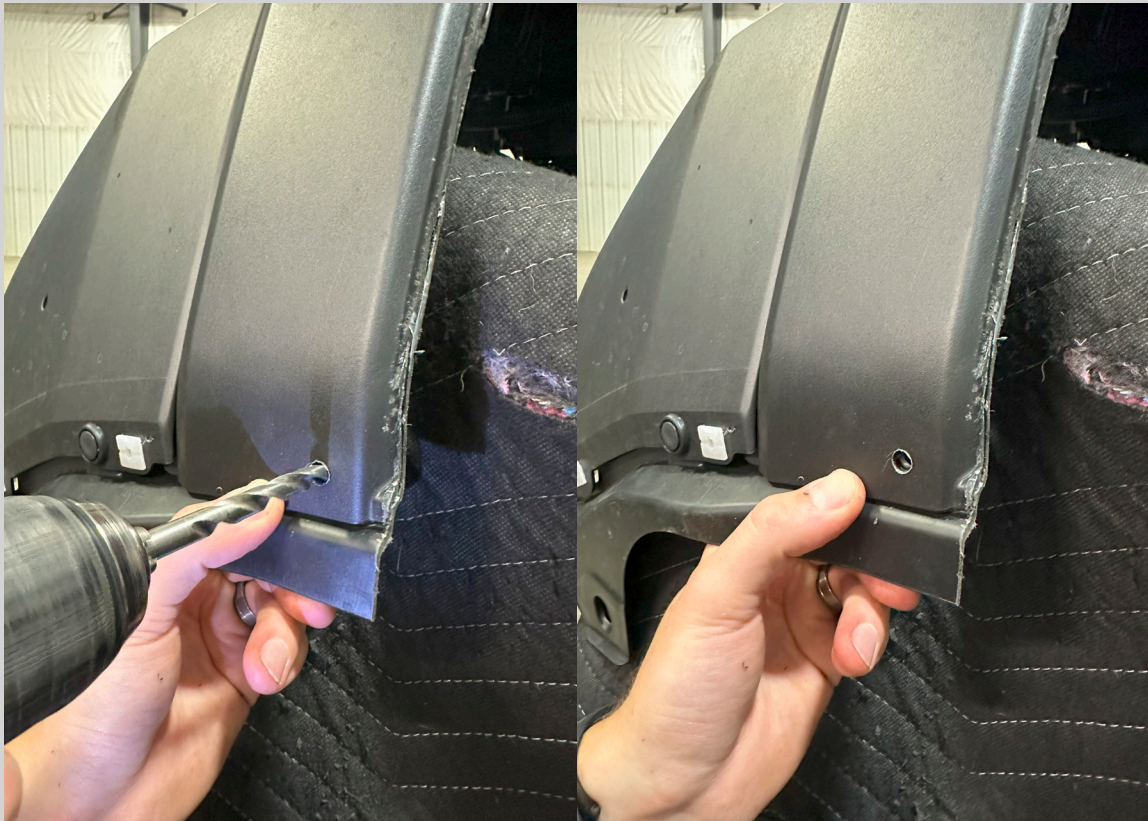


Figure 19: Drill a 9/32" hole about 1" in and up from the lower back inside edge of the center black trim panel.



## Step 17

Remove the crashbar from the frame by removing the 4 bolts on the top and 4 bolts on the bottom using a 17mm socket (Figure 20).



Figure 20: Remove the 8 bolts securing the crash bar and remove it.

## Step 18

Remove the plastic air deflectors on each side by removing the 2 clips that secure them to the frame (Figure 21).

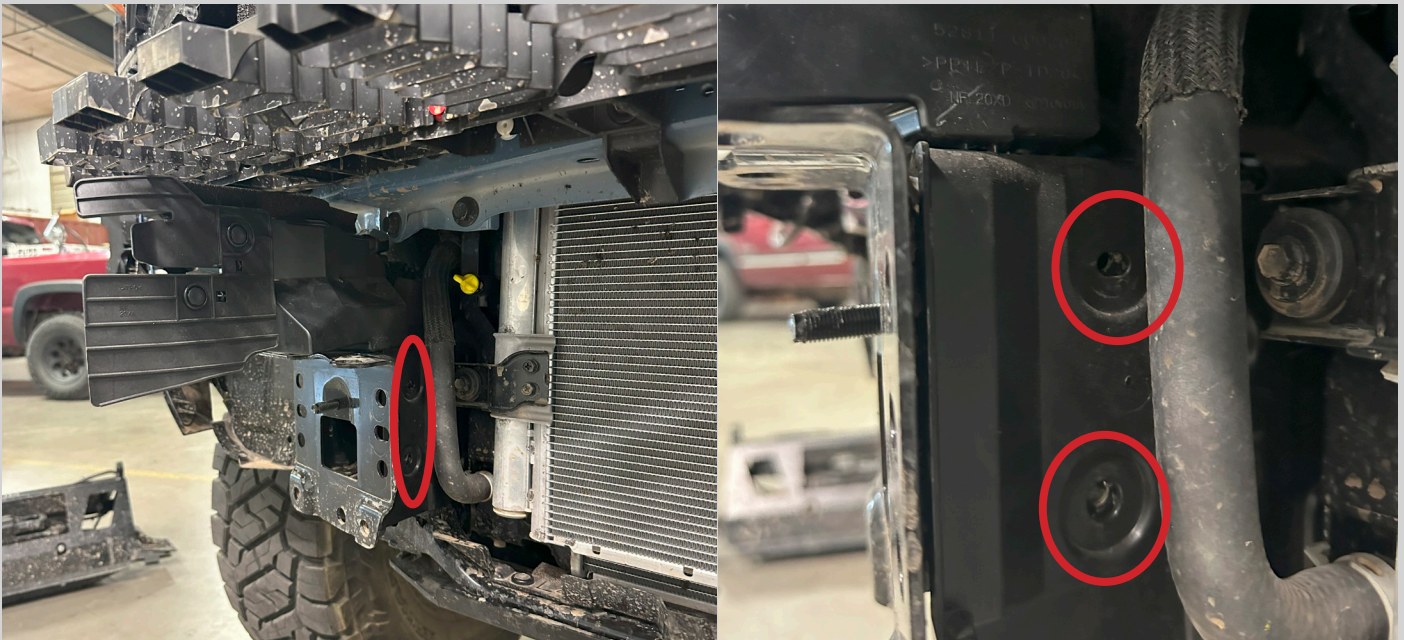


Figure 21: Remove the clips securing the air deflectors to the frame and remove the air deflectors.



## Step 19

Remove the bolt securing the keyless door lock “beeper” and relocate the unit above the plastic air deflector. You will need to flatten the tab on the “beeper” bracket so it can mount flat. Bolt the “beeper” to the hood latch support through the exististing hole using the supplied 1/4” bolt, washer, and lock nut (Figure 22).



Figure 22: Keyless door lock “beeper” relocation.

## Step 20

Prepare the lo-pro bumper for installation. If you have a lightbar, install it into the bumper first using the hardware supplied with it. No mounting brackets are needed to install the light bar.

If you are installing a winch, install the fairlead first, then install the winch and tighten the hardware.

## Step 21

The bracket used to mount lights behind the grille is optional and not necessary to install if you are not adding lights behind the grille. If you are, begin by mounting the lights on the bracket first using the hardware supplied with them. Note, the flanges on the bracket face forward. Once the lights are mounted, bolt the bracket into the lo-pro using 4 of the supplied 3/8" carriage bolts, washers, and flange nuts. Make sure to insert the bolts from the outside so the nuts are on the inside of the lo-pro (Figure 23).



Figure 23: Grille light bracket mounted in the lo-pro.

## Step 22

The lo-pro bumper is now ready to install. Hang the bumper on the studs protruding from the frame and loosely install the two factory M12 bolts and all six 3/8" bolts with flat washers on the front and flat washer, lock washer, and nut on the back (Figure 24) on the driver and passenger side. Once all the hardware is started, raise the bumper so it is in the middle of the adjustment in the slotted frame plate holes and snug the top and bottom outer bolt on each side. You will want to leave the rest loose until the final fitment is confirmed.



Figure 24: Hardware loosely installed, bumper raised to center of adjustment and top and bottom outside hardware snug.



## Step 23

Reinstall the bumper cover and check the clearance around the lo-pro bumper. When reinstalling the bumper cover, make sure the three center clips slide into the female clip on the body and work your way outwards under the lights. After the bumper is completely clipped in place, you want to have about 1/4" gap above the bumper to account for movement between the body and the frame. If you need to adjust the bumper up or down, you can either remove the cover to easily adjust it and repeat this process until it is properly adjusted, or you can reach the hardware from the back side of the bumper cover and make any needed adjustments.

## Step 24

Once the bumper is where you like it, tighten all of the mounting hardware. You can do this with the bumper cover on or off. If you do it with the cover on, it helps reduce the possibility of breaking the clips that secure the bumper to the body.

## Step 25

Plug in the wiring harness on the driver and passenger side. Next, reinsert the screw and clip removed in Step 9. Then, clip the fender flare back into place and reinstall the clips and screws removed in Step 3.

## Step 26

Cut off the front center tab on the factory skid plate. Mark the cut using a piece of masking tape by running it flush with the edge on each side of the tab (Figure 25). Once marked, cut the tab off and paint the edge to prevent rust.



Figure 25: Mark and cut off the center tab on the skid plate.

## Step 27

Reinstall the factory front skid plate using the original hardware.

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