



INSTALLATION GUIDE

21+/DODGE TRX PHANTOM REAR BUMPER



PREPARATION

We recommend reading through the installation instructions in whole before performing the work.

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- When button head bolts are being used, install the supplied washer on the nut side. Then, hold the bolt stationary and only turn the nut to tighten. Do not turn the bolt to tighten hardware assembly, unless otherwise noted.
- Anti-seize is recommended for all fasteners.

SKILL LEVEL

-Easy/Intermediate

****This installation requires 2 people for best results****

TIME REQUIRED

- 2 hours for OEM Removal/Bumper Install
-1 Additional Hour to Wire Cube Lights

****Labor Rates are based on a vehicle with no pre-existing damage. Wiring labor is based on a standard wiring procedure with light switches installed in an easily accessible location. Custom light triggering or switch mounting location will result in a greater labor charge.****

INCLUDED IN KIT

- 4- Nylon Lock Nuts (1/2-13")
- 4- Button Head Bolts (1/2-13 X 1 1/2")
- 4- Flat Washer (1/2")
- 6- Nylon Lock Nuts (1/4-20")
- 6- Button Head Bolts (1/4-20 X 1")
- 6- Flat Washer (1/4")
- 1- Sensor Bezel Set
- 1-Rubber Grommet

TOOLS REQUIRED

- (Sockets) 7/16, 3/4, 10mm, 15mm, 16mm
- (Box end wrenches) 7/16, 3/4, 10mm, 15mm, 16mm
- (Allen wrenches) 5/32, 5/16
- Fastener remover or flathead screwdriver
- Zip ties
- Ratchet
- Silicone

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STEP 1

Disconnect the main wire harness located on the driver side frame rail. Next unplug the trailer plug located behind the spare tire.

REMOVAL



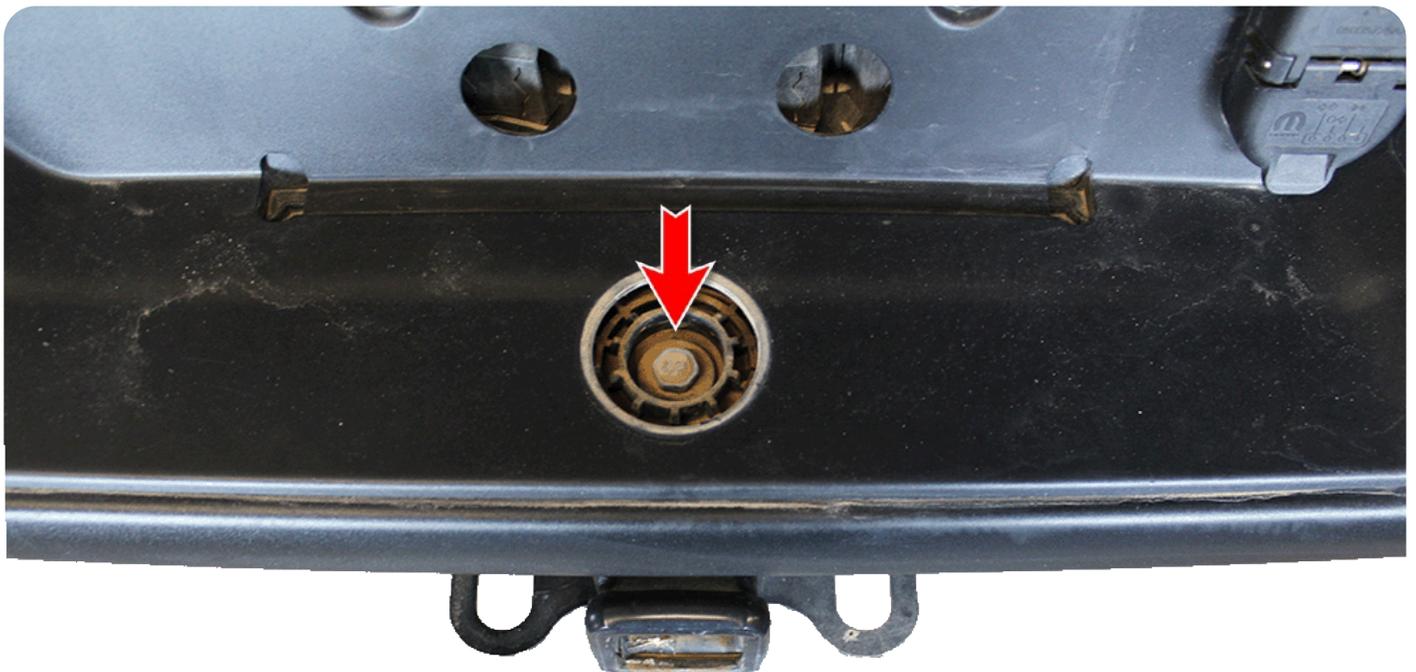
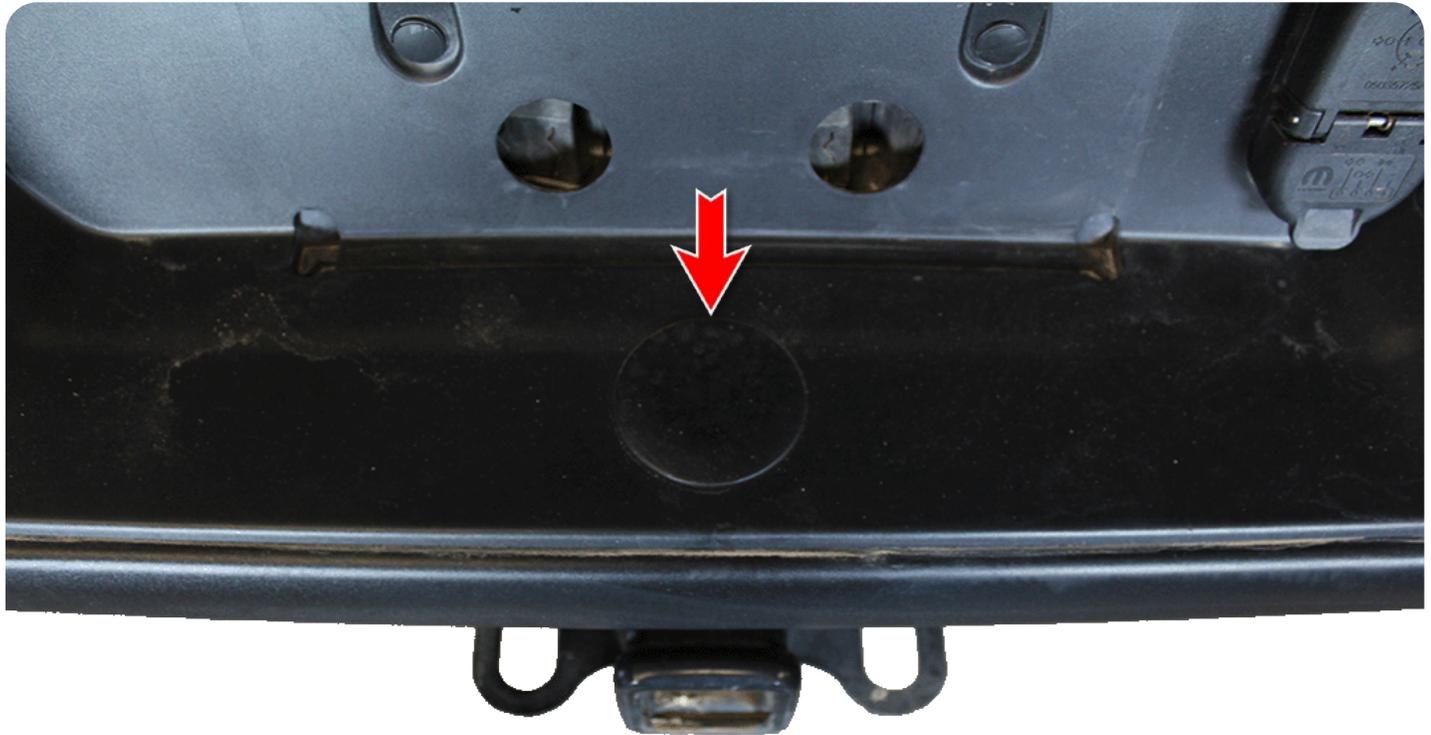
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☐ STEP 2

Using a (flathead screwdriver), remove the plastic cap and remove the bolt holding the plastic to the hitch using a (15mm socket).

REMOVAL



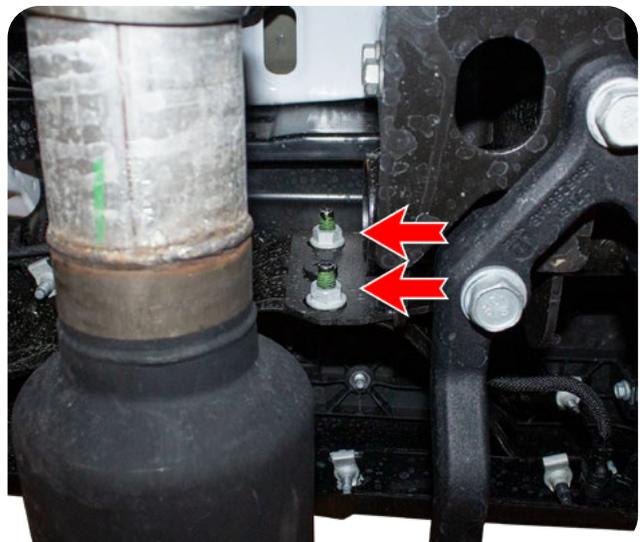
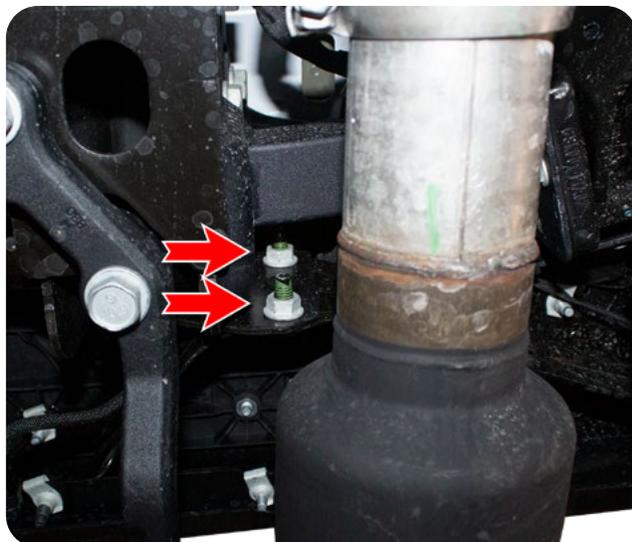
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□ STEP 3

Remove the two plastic clips that sit behind the license plate. Then from underneath the vehicle, use a (16mm Socket) to remove the four bumper mounting bolts. Then, remove the OEM bumper from the vehicle.

REMOVAL



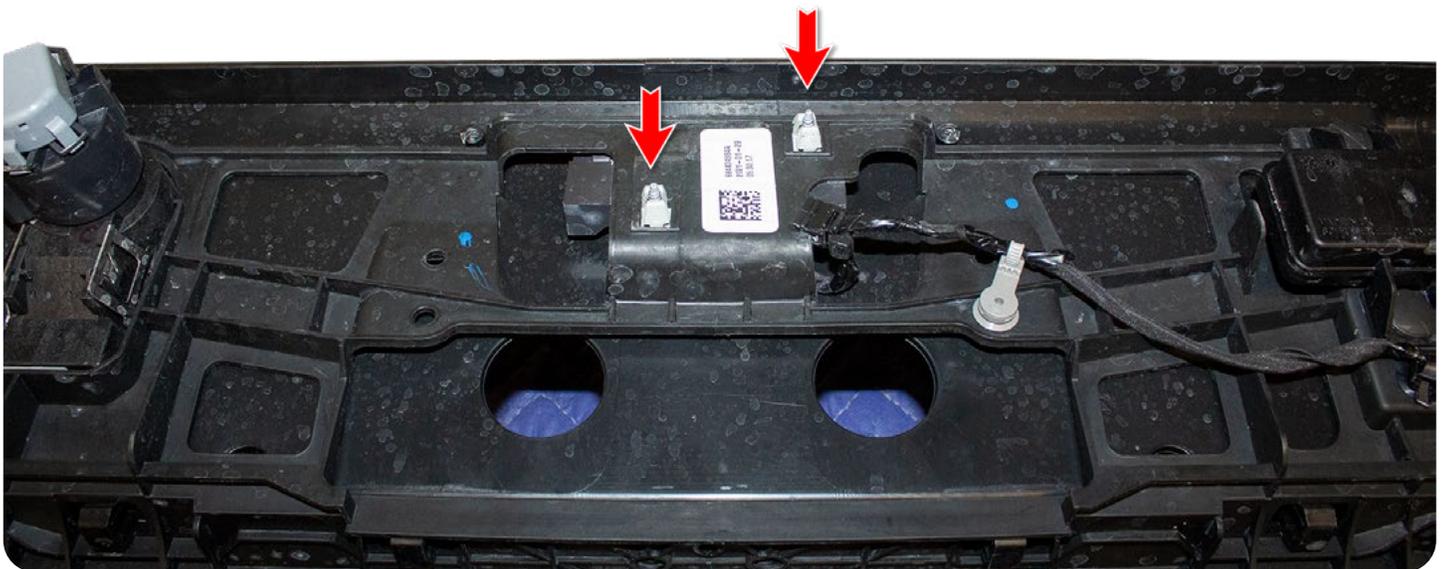
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□ STEP 4

Remove the two plastic clips as shown in the first image. Then, remove the module from the bumper. Squeeze in the two metal tabs as shown in the second image. Then, remove that module from the bumper.

REMOVAL



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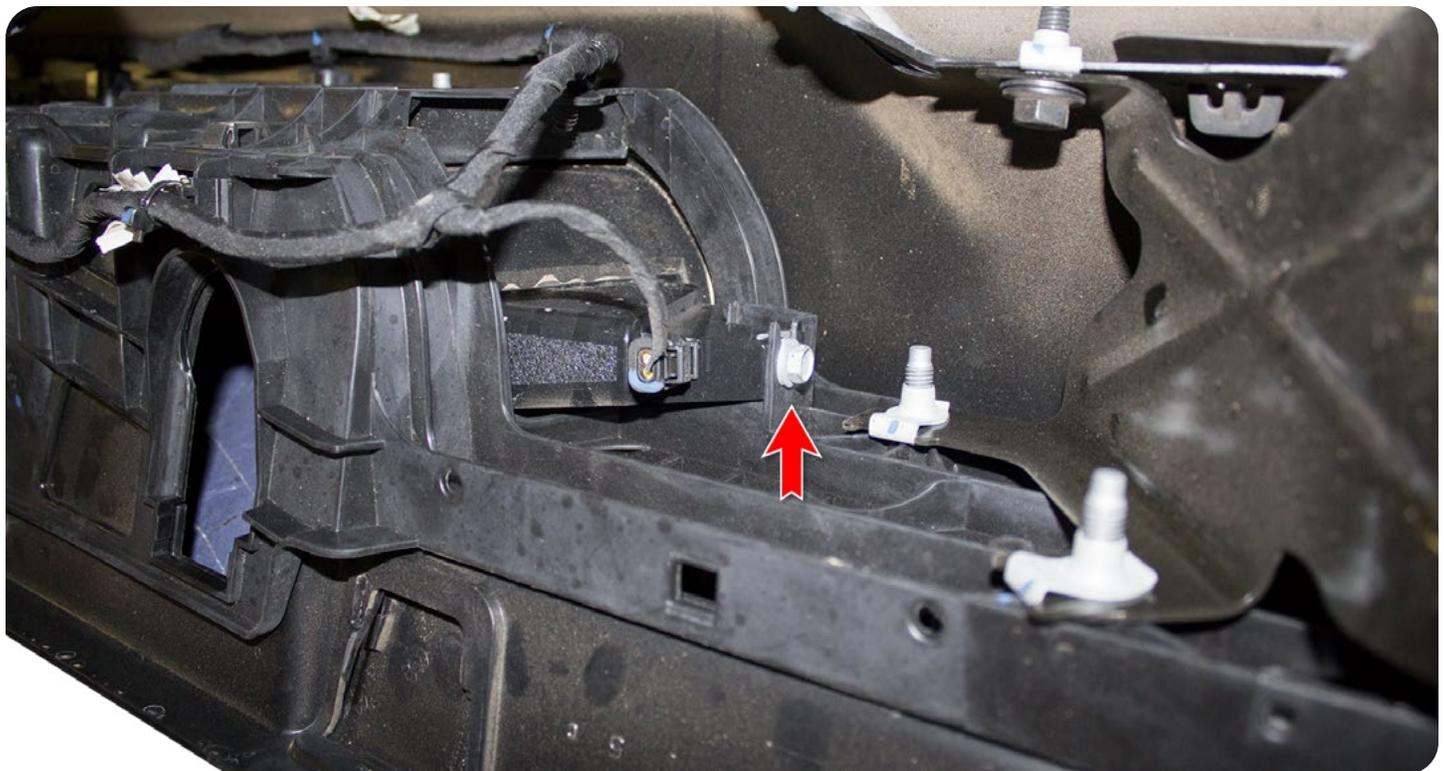
□ STEP 5

Remove the parking sensors from their mounting rings by spreading the two tabs on the back side of the mounting rings. Keep track of what position/orientation these come off the OEM bumper so you can install them on your new bumper in the same position/orientation. ****You do not need to remove the parking sensor mounting rings**** You will not be reusing them. Then using a (10mm Socket), remove the bolt (one per side) that holds the license plate lights into place. Then, remove the license plate lights. ****Save these bolts for reuse****

REMOVAL



Release the parking sensor by spreading these two tabs





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□ STEP 6

Install the parking sensor mounts with the light tabs circled below as shown on page 8 using the 1/4" button head bolts, washers, and nylon lock nuts using a (5/32 allen) and (7/16 wrench). (Repeat on other side)

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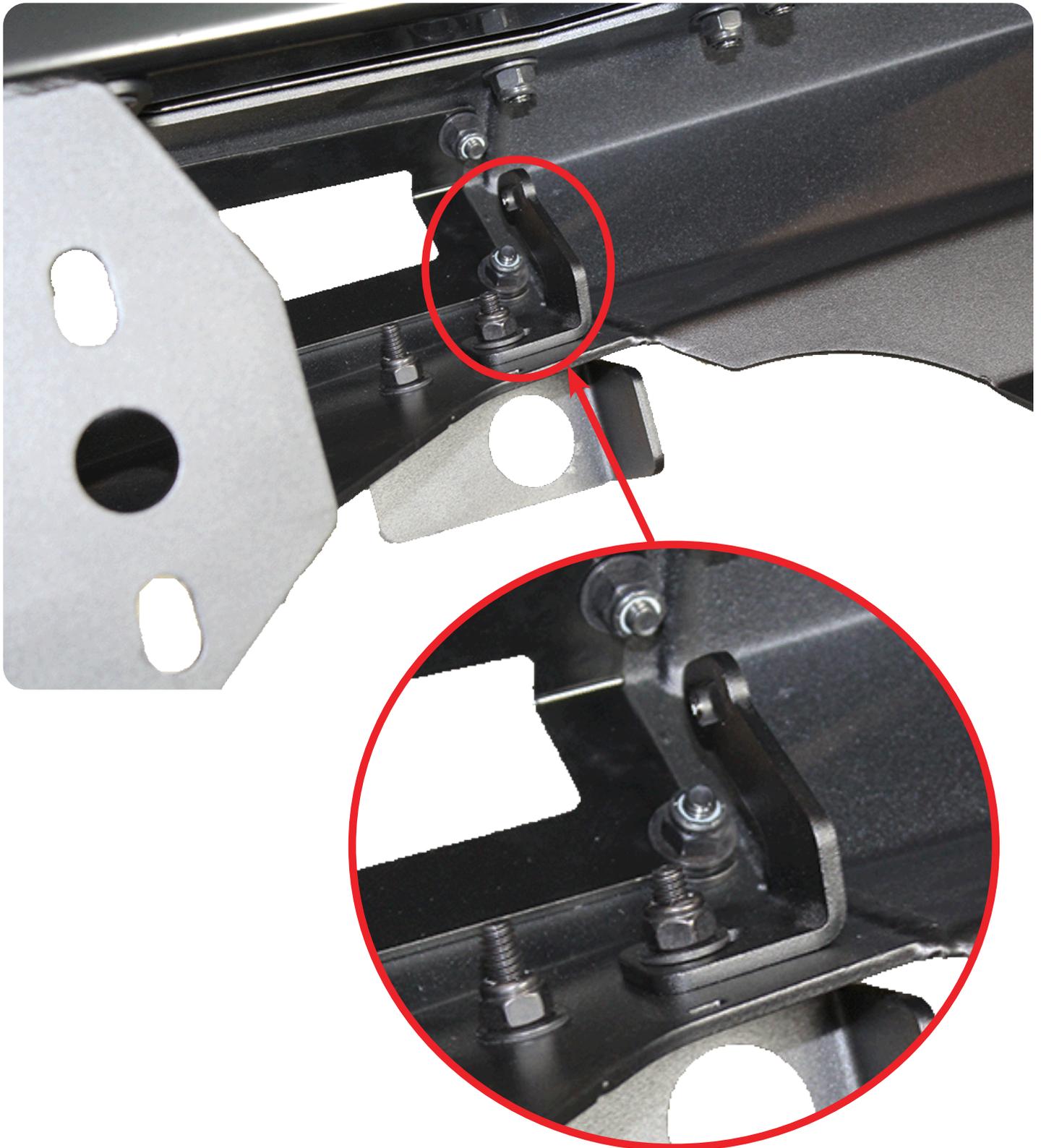


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□ STEP 7

Install the light mount brackets circled below using the provided 1/4" button head bolts, washers, and nylon lock nuts using (5/32 allen wrench) and a (7/16 wrench). (Repeat on other side)

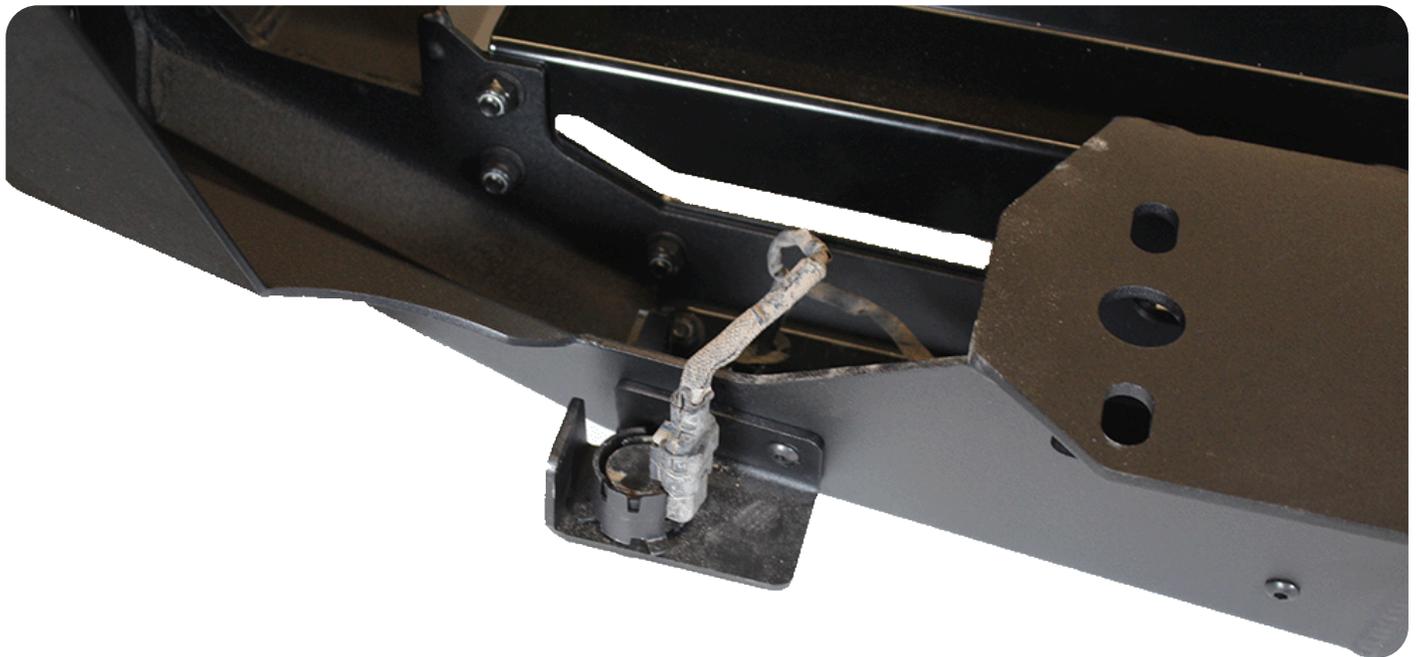


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□ STEP 8

Install the sensors in the provided bezels with the skinny side facing up. You will notice that one side will be oriented the same as factory and the driver side will be 180 degrees opposite. ****Also note that the sensor plug needs to be 90 degrees to the ground**** If your sensor bezel is loose in the bumper and can easily be rotated we recommend applying a small dab of silicone or epoxy to the back side to prevent them from rotating.





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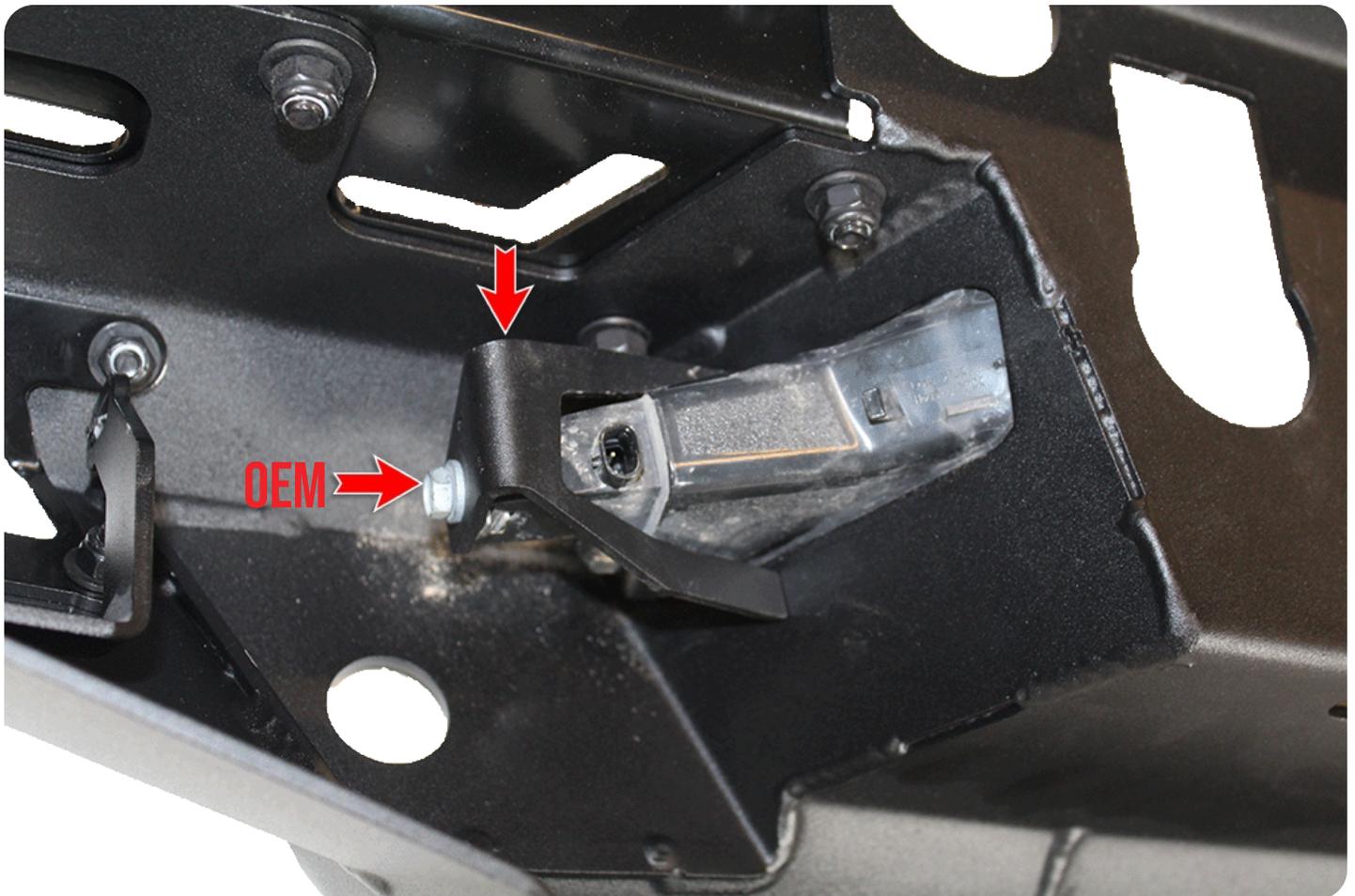
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□ STEP 9

Install the license plate lights with the provided brackets as shown below with the OEM hardware you removed from **step 5** using a (10mm socket).

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STEP 10

Install the trailer plug and pry out the tabs to securely seat plug using a (flathead screwdriver).

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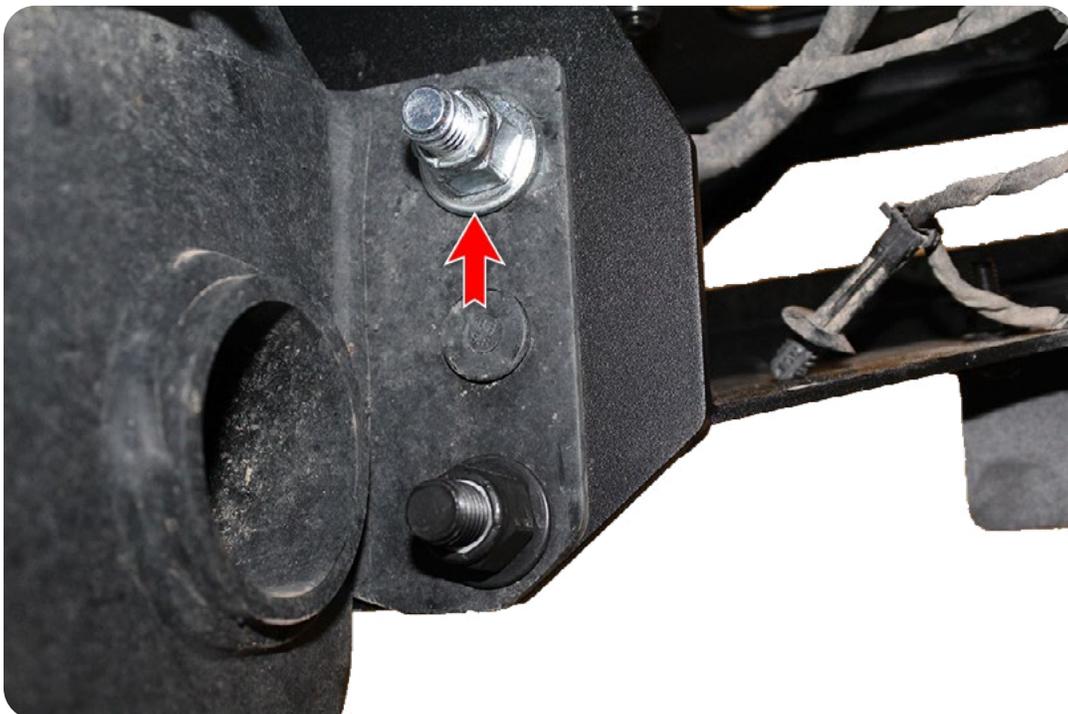
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STEP 11

You can now install your Phantom front bumper with the provided 1/2" button head bolts and hex head bolts, washers, and nylon lock nuts on both top and bottom outer mounting holes using a (5/16 allen wrench) and (3/4 wrench).

INSTALLATION



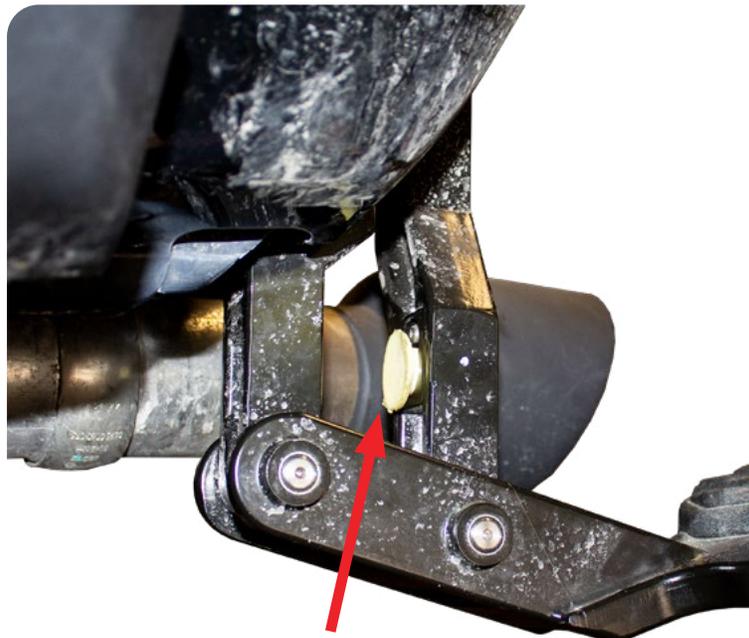
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□ STEP 12

If you have a retracting bed step on your TRX, follow this step. Otherwise, skip ahead. Remove the felt pad that acts as the stop for the retracting step. Then, install one of the supplied rubber grommets and reinstall the pad. You may have to use some RTV or something similar to hold the felt pad in place.

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Remove this plug



Install one of the rubber grommets onto it



Reinstall the plug



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FINAL

STEP 13

Stand back and enjoy your new ADD Phantom™ Rear Bumper.

Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.



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EMAIL INFO@ADDICTIVEDESERTDESIGNS.COM