



# INSTALLATION GUIDE

## SPRINTER VAN REAR BUMPER

SP1130B



### TOOLS REQUIRED (NOT INCLUDED)

- |                            |                      |
|----------------------------|----------------------|
| + FLATHEAD SCREWDRIVER     | + 7/16" WRENCH       |
| + AUTO PANEL REMOVAL TOOLS | + T40 TORX           |
| + 18MM WRENCH AND SOCKET   | + 7/32" ALLEN WRENCH |
| + 19MM WRENCH OR SOCKET    | + 5/32" ALLEN WRENCH |
| + 3/4" WRENCH AND SOCKET   | + C-CLAMPS           |
| + 9/16" WRENCH AND SOCKET  |                      |

### INSTALL INFO

TIME TO INSTALL THIS PRODUCT: 2-3 HOURS

Additional help is suggested for a few of the install steps.

### BEFORE YOU START

Please inspect the product and packaging upon delivery to ensure there are no issues and that all parts and hardware are accounted for.

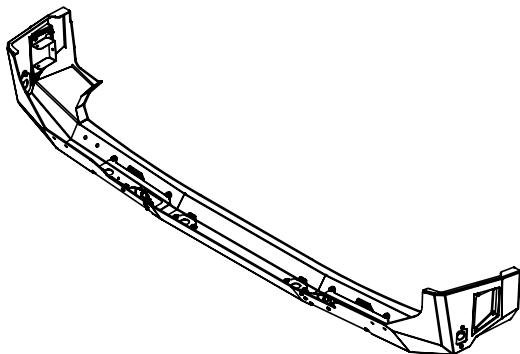
Contact us ASAP if anything is missing at:  
[support@flatlinevanco.com](mailto:support@flatlinevanco.com)

# BEFORE YOU START

All Flatline Van Co products must be properly assembled and secured before attaching to your vehicle. Improper attachment could result in an automobile accident, and could cause serious bodily injury or death to you or to others involved. You are responsible for assembling and securing Flatline Van Co products to your vehicle, checking the mounting points and attachments prior to use, and regularly inspecting the products for wear and or damage. We always recommend you use a professional to install any aftermarket accessories to your vehicle. If you have no mechanical experience and are not thoroughly familiar with the installation procedures, you must have the product installed by a professional installer or other qualified persons. The responsibility is yours and must be taken seriously for everyone's safety.

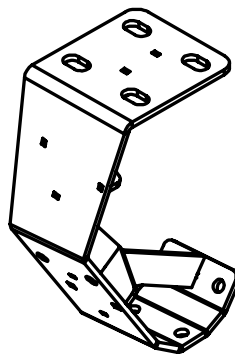


# BUMPER PACKAGE CONTENTS



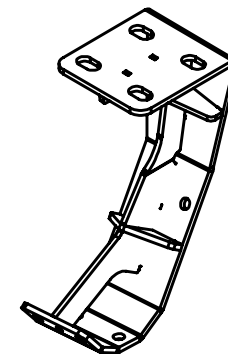
REAR BUMPER ASSEMBLY

QTY: 1



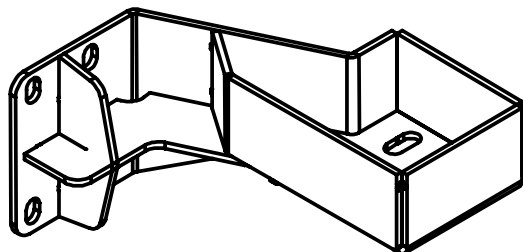
DRIVER SIDE BUMPER BRACKET

QTY: 1



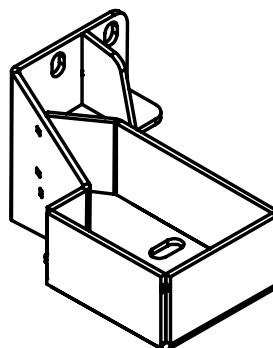
PASSENGER SIDE BUMPER  
BRACKET

QTY: 1



PASSENGER SIDE FRAME  
BRACKET WELDMENT

QTY: 1



DRIVER SIDE FRAME  
BRACKET WELDMENT

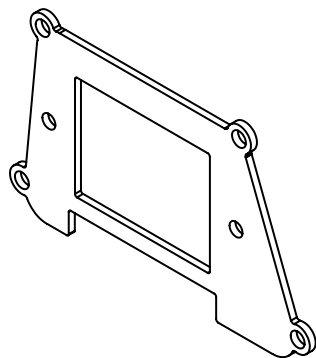
QTY: 1



SPRINTER PARK SENSOR  
BEZEL

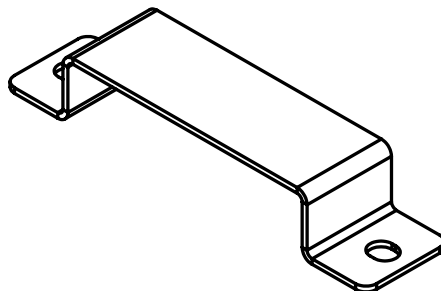
QTY: 6

# 2025+ RADAR SENSOR KIT



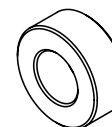
REAR SENSOR BRACKET

QTY: 2



REAR SENSOR STRAP

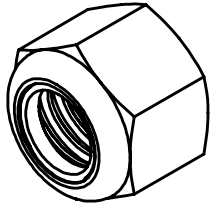
QTY: 2



REAR SENSOR SPACER

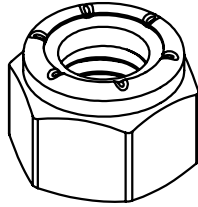
QTY: 8

# BUMPER HARDWARE



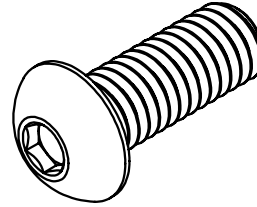
3/8-16 NYLON INSERT  
LOCKNUT

QTY: 12



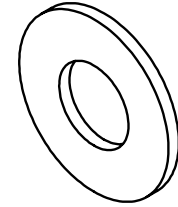
1/2-13 NYLON  
LOCKNUT

QTY: 8



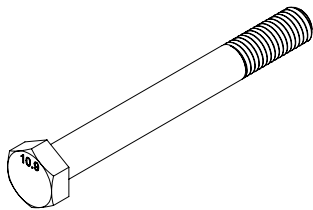
3/8-16 X 1 BUTTON HEAD  
HEX DRIVE SCREW

QTY: 12



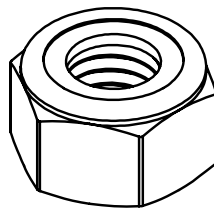
3/8 SCREW FLAT WASHER

QTY: 12



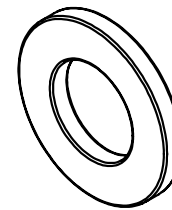
M12-1.75 x 110mm HEX  
HEAD SCREW

QTY: 8



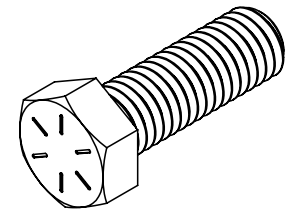
M12-1.75 NYLON  
LOCKNUT

QTY: 8



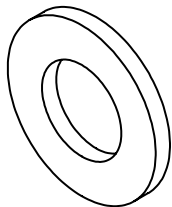
M12 SCREW FLAT  
WASHER

QTY: 16



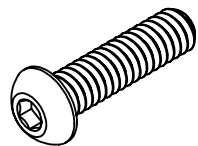
1/2-13 x 1.5 HEX HEAD  
SCREW

QTY: 8



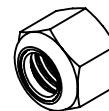
1/2 SCREW FLAT WASHER

QTY: 16



1/4-20 X 1 BUTTON HEAD  
HEX DRIVE SCREW

QTY: 8



1/4-20 NYLON  
LOCKNUT

QTY: 4



1/4 SCREW FLAT WASHER

QTY: 4

# INSTALL

## STEP | 01 LAYOUT AND INSTALL PREP

**1.1 Safety Check:** Disconnect battery (both if applicable) prior to performing any electrical work and ensure you are working on a flat surface.

**1.2 Review Install Outline:** Thoroughly read all instructions and warnings before beginning installation. This product requires modifications to factory parts ***done at your own risk***. If you don't feel comfortable installing this on your own, see our **Find a Builder or Upfitter** page to locate an approved installer near you.

**1.3 Bumper Accessories:** If you plan on running **Off-Road Lights**, waiting to install the **Bumper** until those parts are ready to install as well would be advised.

### TOOLS REQUIRED FOR THIS STEP:



FIG 1



FIG 2

## STEP | 02 REMOVE FACTORY BUMPER

**2.1 Access Upper Rear Bumper Trim:** Using an Auto Panel Pry Tool, unclip the **Rear Side Trim** from the body to gain access to the plastic rivets that hold the **Upper Rear Bumper Trim** to the van body (FIG 3).

**2.2 Remove Upper Rear Bumper Trim:** Pop out the plastic rivets that secure **Upper Rear Bumper Trim** (under the tail light) to the body (FIG 5). Set the trim piece and plastic rivets aside.

**2.3 Repeat On Other Side:** Repeat this process for the other side of the van.

**PRO-TIP:** Use a pry tool to pop the center plastic rivet pin out first before prying from the bottom.

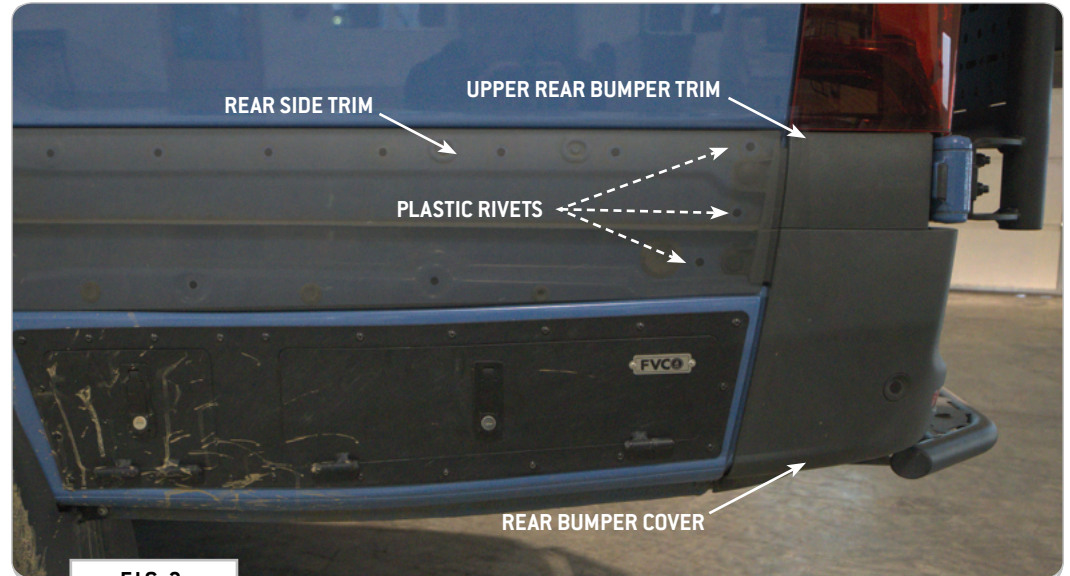
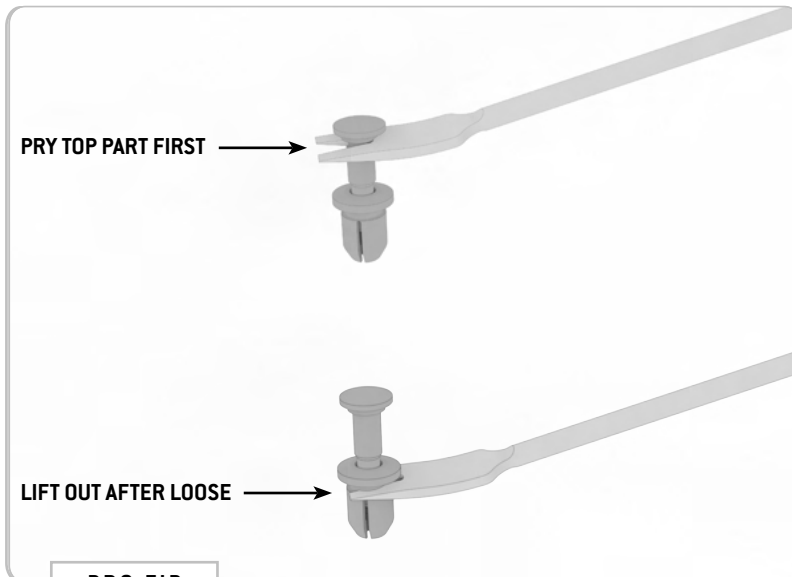


FIG 3



PRO-TIP

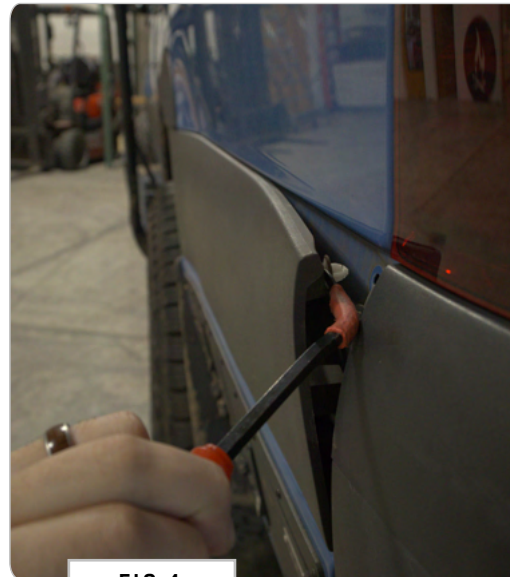


FIG 4

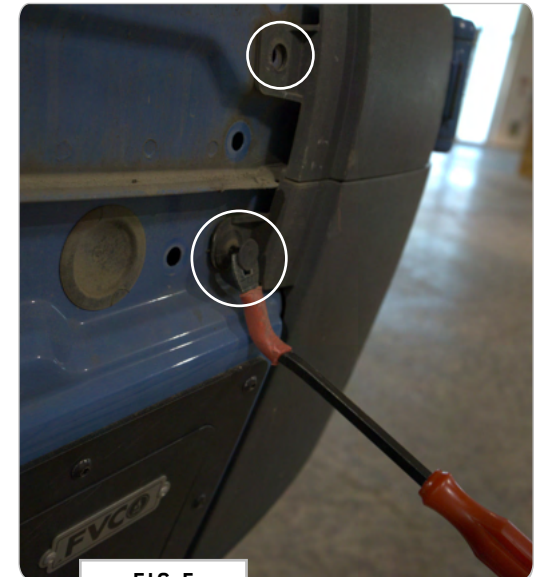


FIG 5



TOOLS REQUIRED FOR THIS STEP: + AUTO PANEL PRY TOOL

## STEP | 02 REMOVE FACTORY BUMPER

**2.4 Underside Plastic Rivets and Clips:** Remove the plastic rivets and clips on the lower side of the bumper cover. There are two rivets on each outer side, two clips on the corners and two more rivets toward the center of the **Factory Bumper Cover** (FIG 6-8).



FIG 6



FIG 7



FIG 8



## STEP | 02 REMOVE FACTORY BUMPER

**2.5 Remove Torx Bolts:** Remove the (7) **Torx Bolts** holding the **Factory Bumper Cover** to the body. These are located just under the rear door weather strip and become visible once you open the rear doors (**FIG 9-10**).

**2.6 Unclip Sensor Harness:** Under the van by the spare tire, using a **Flathead Screwdriver**, gently pry up the tabs holding together the **Sensor Harness** to the **Bumper Cover**. Proceed to disconnect (**FIG 11**).

**2.7 Remove Factory Bumper Cover:** The bumper cover can now be removed. Take care to note the orientation and position of the park sensors, as they will need to be reinstalled to the new bumper as they were in the **Factory Bumper Cover**.

### TOOLS REQUIRED FOR THIS STEP:

- + T40 TORX
- + RATCHET
- + RATCHET EXTENSION
- + FLATHEAD SCREWDRIVER

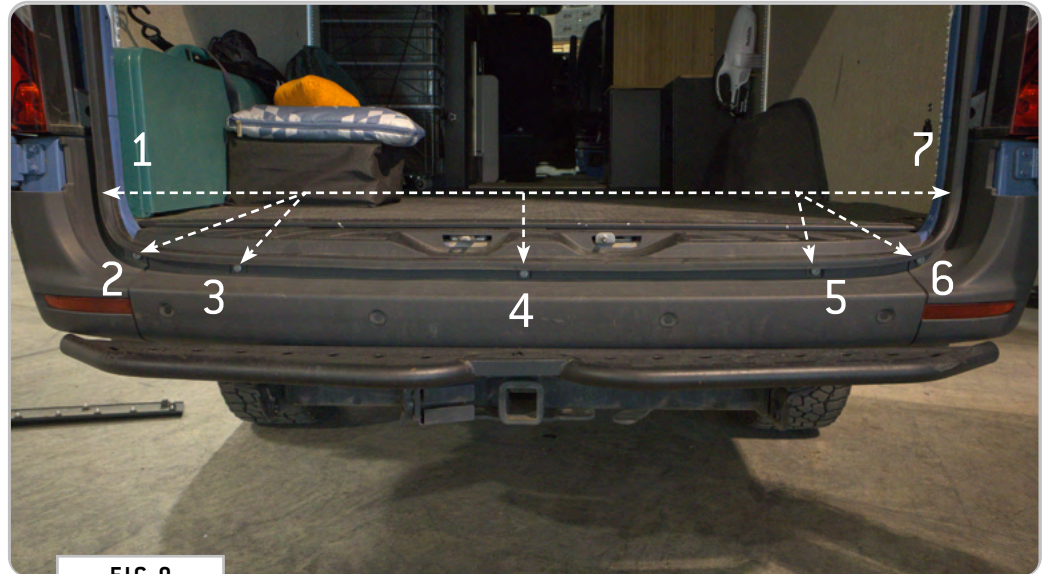


FIG 9



FIG 10

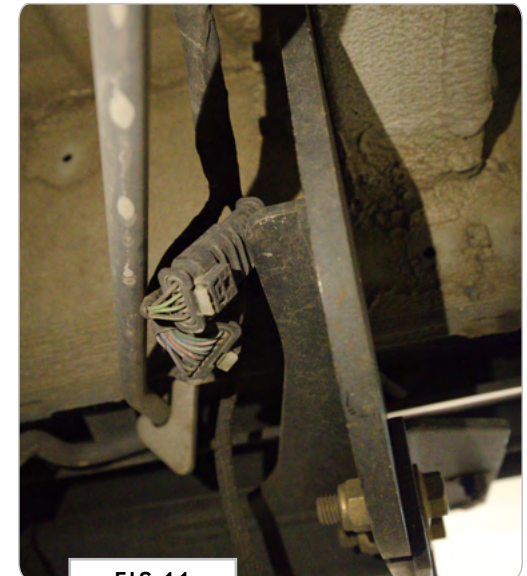
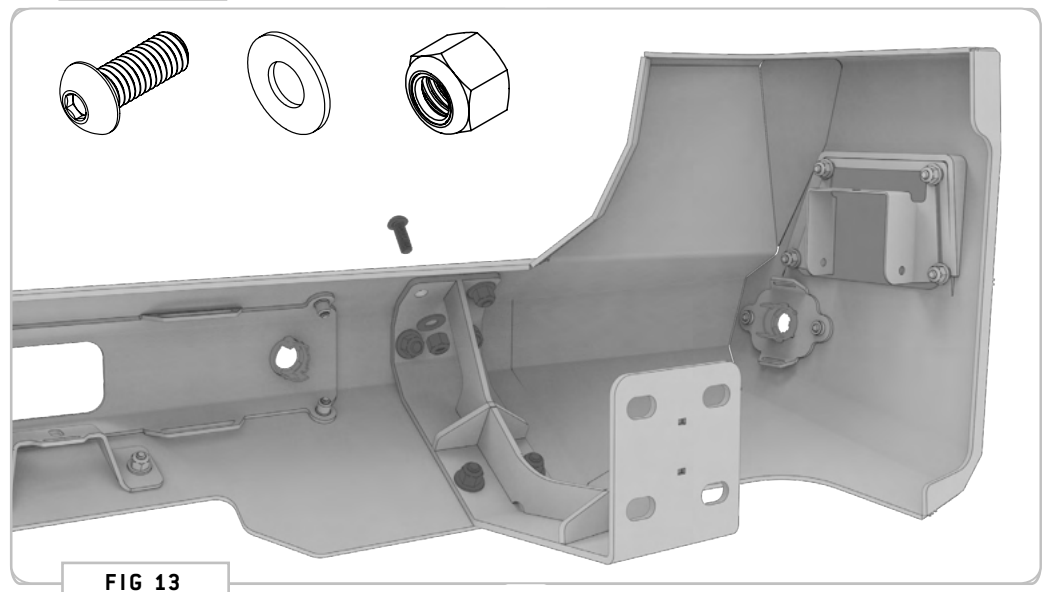
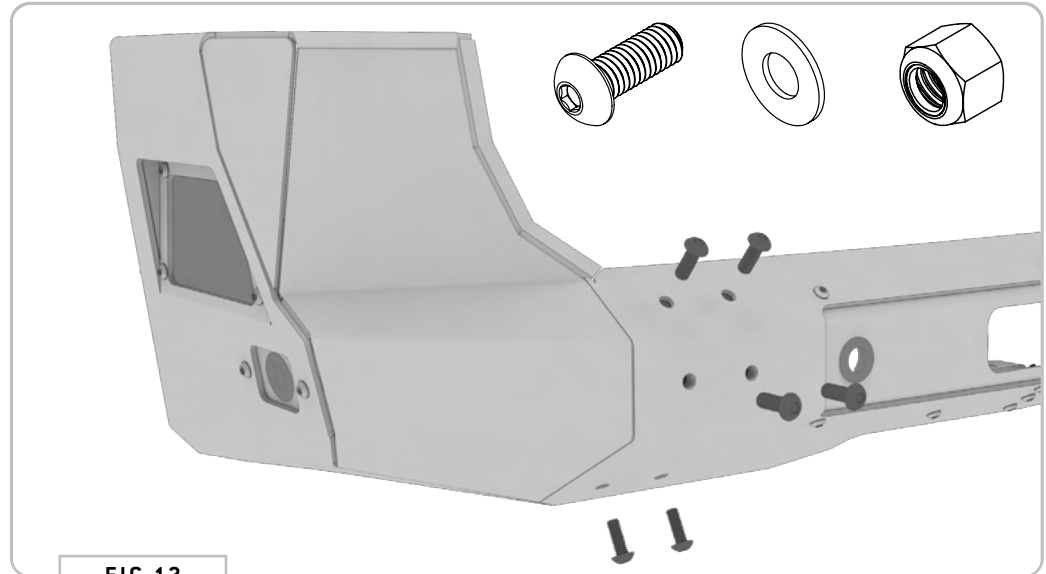


FIG 11

## STEP | 03 PREP FVC BUMPER

**3.1 Install Bumper Brackets:** Install the Driver and Passenger Side Bumper Brackets using (6ea) 3/8-16 x0.75 Button Head Hex Drive Screws, Flat Washers and Nylon Locknuts (FIG 12-13).

**TOOLS REQUIRED FOR THIS STEP:** + 7/32" ALLEN WRENCH  
+ 9/16" WRENCH OR SOCKET

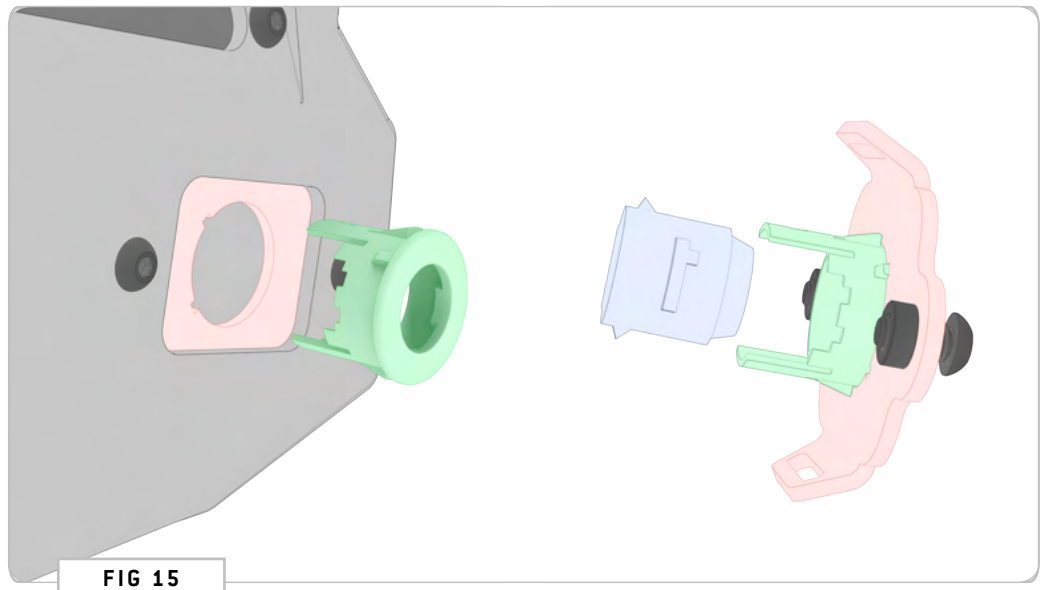
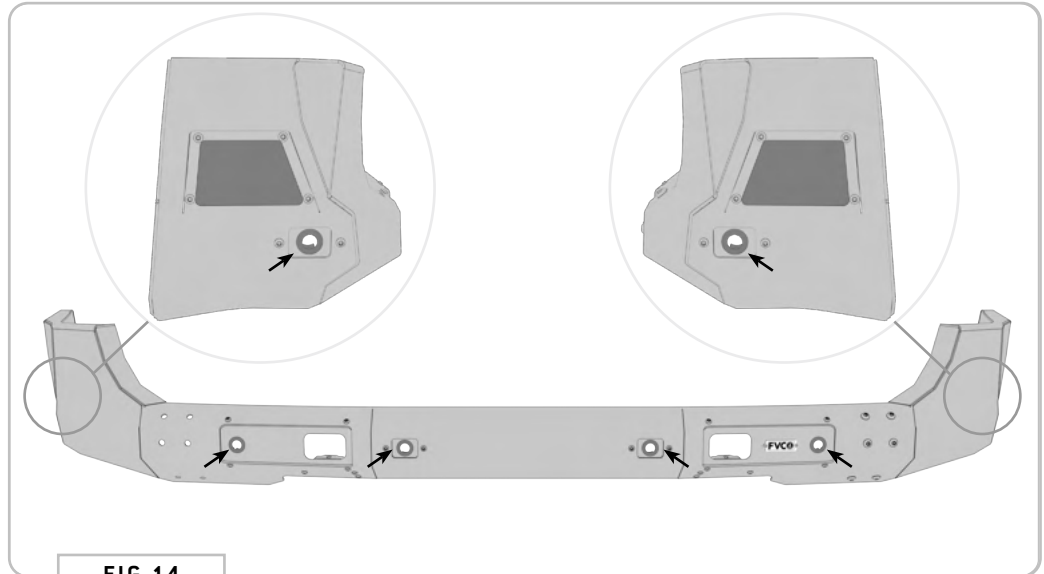


TOOLS REQUIRED FOR THIS STEP:

## STEP | 03 PREP FVC BUMPER

**3.2 Install Park Sensor Bezels:** Install the plastic **Park Sensor Bezels** to the locations shown in **FIG 16**. Install by aligning the notches in the **Park Sensor Bezel** to the cutouts in the **Bumper** (**FIG 14**).

**NOTE -** The orientation of the **Bezel** corresponds to the direction in which the **Park Sensor** will be installed. See **FIG 15** to observe how the molding of the **Park Sensor** aligns to the cutouts in the **Bezel**.





## STEP | 03 PREP FVC BUMPER

**3.3 Reinstall Upper Rear Bumper Trim:** Using the **Plastic Rivets** that you retained in **Step 2.2**, secure the small plastic cover (below the taillights) back to the body (**FIG 16**).

TOOLS REQUIRED FOR THIS STEP:



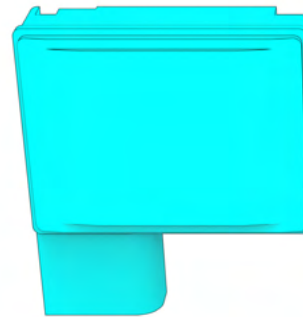
FIG 16

## STEP | 03 PREP FVC BUMPER

**3.4 Determine Rear Blind Spot Sensor Type:** If your van is *newer than* 2024, you'll notice that the **Adaptive Radar Sensors** in your **Rear Bumper Cover** are different the ones depicted in this guide (FIG 16A). Find the **2025 Radar Sensor Kit (FIG 16B)** for the **Adatpter Brackets** and **Hardware** needed to accomodate the new sensor type.

### TOOLS REQUIRED FOR THIS STEP:

2025+ REAR BLIND SPOT SENSOR



2019-2024 (VS30) ADAPTIVE RADAR SENSOR

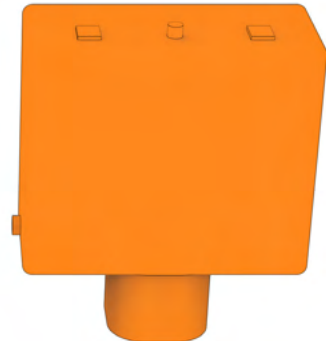
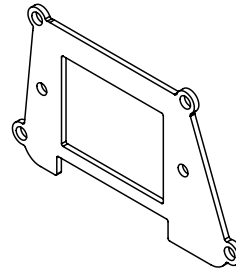
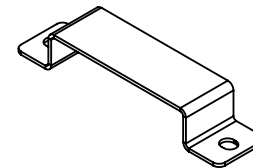


FIG 16A



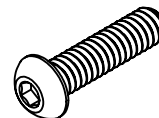
REAR SENSOR BRACKET



REAR SENSOR STRAP



REAR SENSOR SPACER



1/4-20 X 1 BUTTON HEAD  
HEX DRIVE SCREW



1/4-20 NYLON  
LOCKNUT



1/4 SCREW FLAT WASHER

FIG 16B



## STEP | 03 PREP FVC BUMPERR

**3.5 Remove Wiring Harness:** Starting with the **Blind Spot Radar Sensors (FIG 17)**, pry out all of the **Park Sensors** from their **Factory Bezels (FIG 18)**, keeping the entire harness connected as an assembly.

TOOLS REQUIRED FOR THIS STEP:

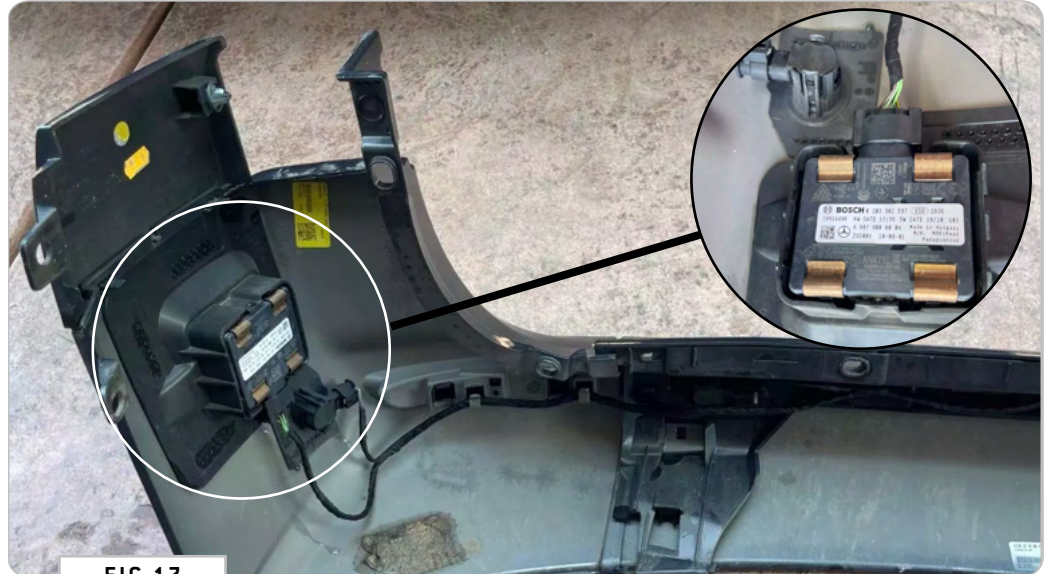


FIG 17



FIG 18

## STEP | 03 PREP FVC BUMPER

**3.6 Disassemble Sensor Bracket Assembly:** Remove the **Sensor Bracket Assembly** from the **FVC Bumper** (FIG 19). This will either be used to seat your **2019-2024 Rear Adaptive Radar Sensor** (FIG 20), or replaced with the **2025+ Rear Blind Spot Sensor Kit**.

**3.7 Install Adaptive Radar Sensors:** Install the **Rear Adaptive Radar Sensor** to the **Bracket Assembly** removed in the last step and reinstall to the bumper.

**NOTE** - Be sure to keep the **Radar Sensor Cover Plate** for 2025+ van installs.

TOOLS REQUIRED FOR THIS STEP:

RADAR SENSOR COVER PLATE

FIG 19

FIG 20

TOOLS REQUIRED FOR THIS STEP:

## STEP | 03 PREP FVC BUMPER

FOR 2025+ VANS:

**3.8a Blind Spot Radar Sensor Bracket Assembly:** Sandwich the **Blind Spot Radar Sensor** between the **Radar Sensor Strap** and **Radar Sensor Bracket**, securing with [2ea] 1/4-20 x 1 **Button Head Screws**, **Flat Washers** and **Nylon Locknuts** (FIG 21).

**3.8b Attach Assembly to Bumper:** Insert [4] 1/4-20 x 1 **Button Head Screws** through the locations shown in FIG 22 and attach the **Radar Sensor Cover Plate**, [4] **Radar Sensor Spacers**, **Blind Spot Radar Sensor Bracket Assembly**, [4] **Flat Washers** and [4] **Nylon Locknuts**.

**NOTE** - Repeat on both sides of van.

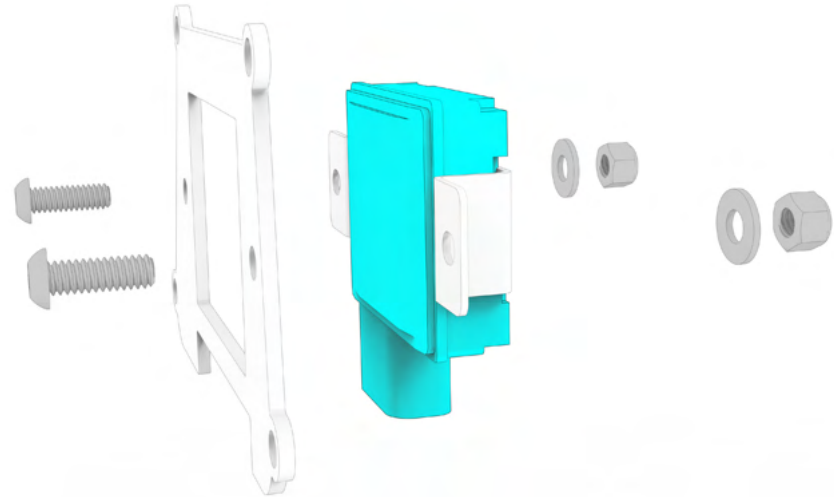


FIG 21

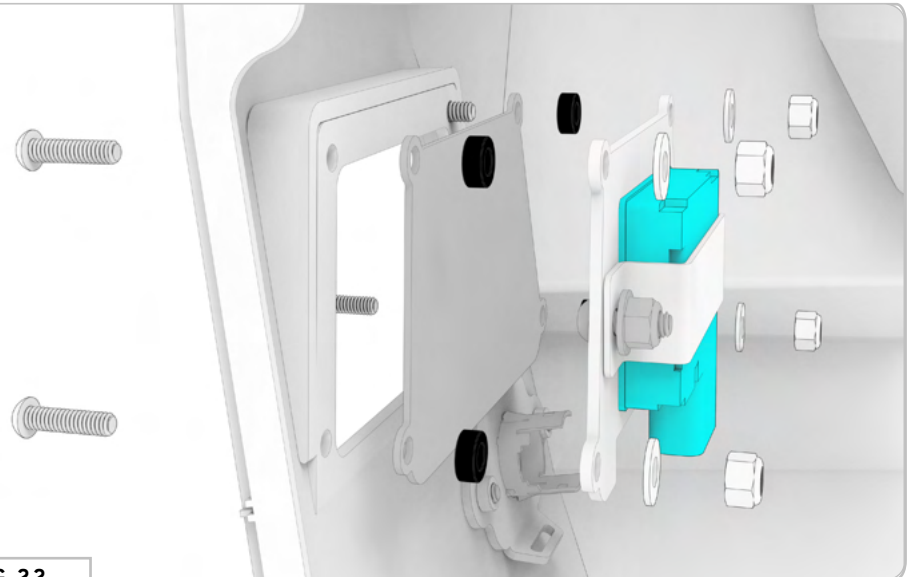


FIG 22



TOOLS REQUIRED FOR THIS STEP:

## STEP | 03 PREP FVC BUMPER

**3.9 Install Park Sensors to Park Sensor Bezels (Passenger Side):** Install the **Park Sensors** to the **Park Sensor Bezels** in the orientation that they were removed as shown in FIG 23.

**NOTE -** There are multiple zip tie locations along the **Park Sensor Bezel Brackets** to keep the **Park Sensor Harness** held securely to the new **Bumper**. See FIG 23-24 for examples.



FIG 23

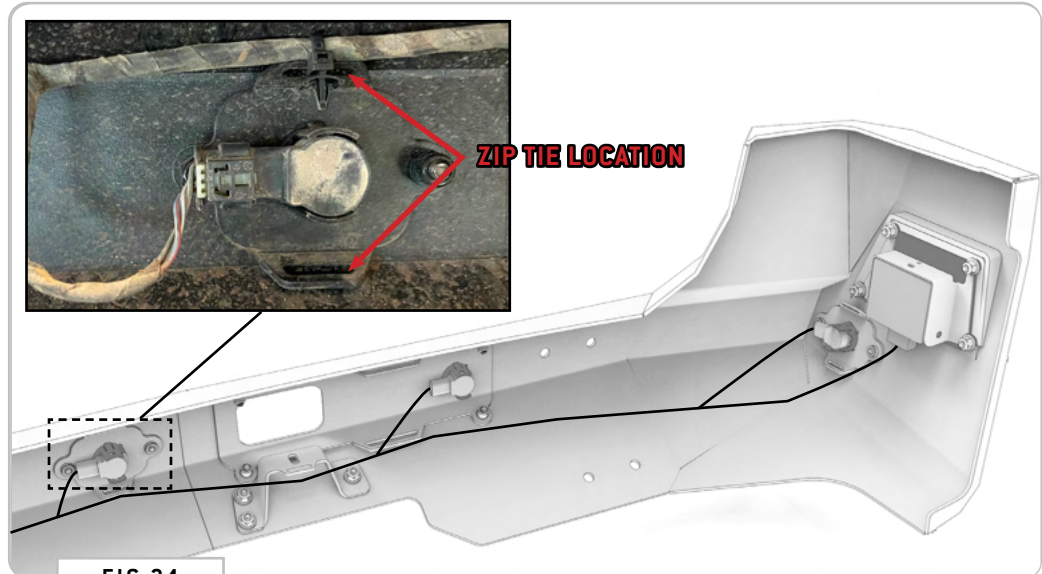


FIG 24

TOOLS REQUIRED FOR THIS STEP:

## STEP | 03 PREP FVC BUMPER

**3.10 Install Park Sensors to Park Sensor Bezels (Driver Side):** Install the Park Sensors to the Park Sensor Bezels in the orientation that they were removed as shown in FIG 25.

**NOTE -** There are multiple zip tie locations along the **Park Sensor Bezel Brackets** to keep the **Park Sensor Harness** held securely to the new **Bumper**. See FIG 25-26 for examples.

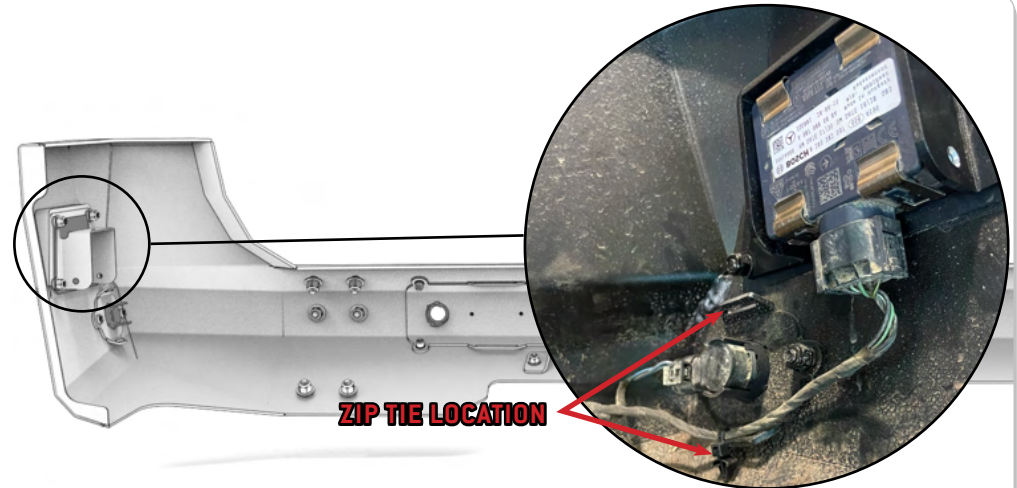


FIG 25

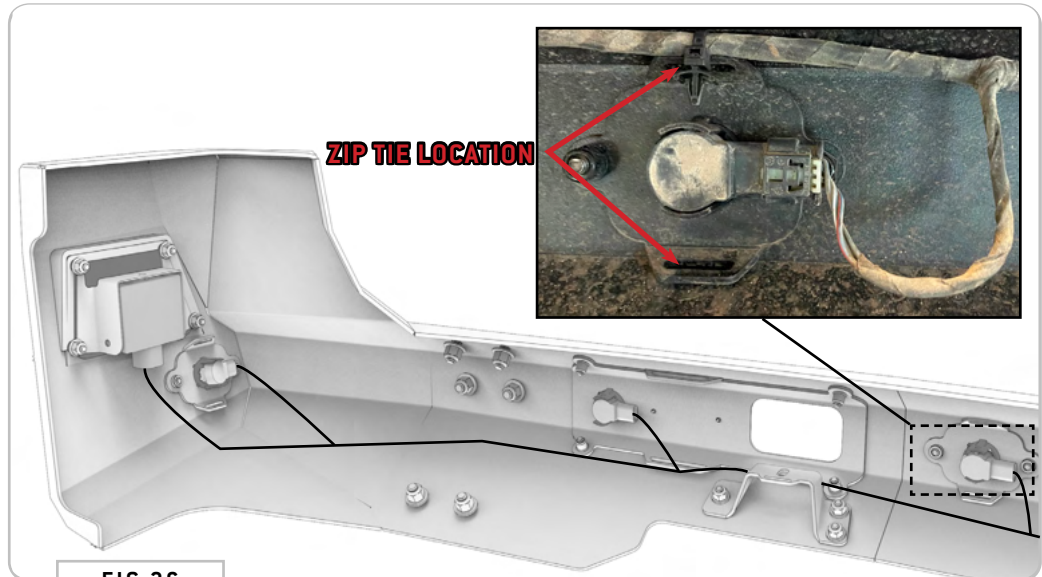


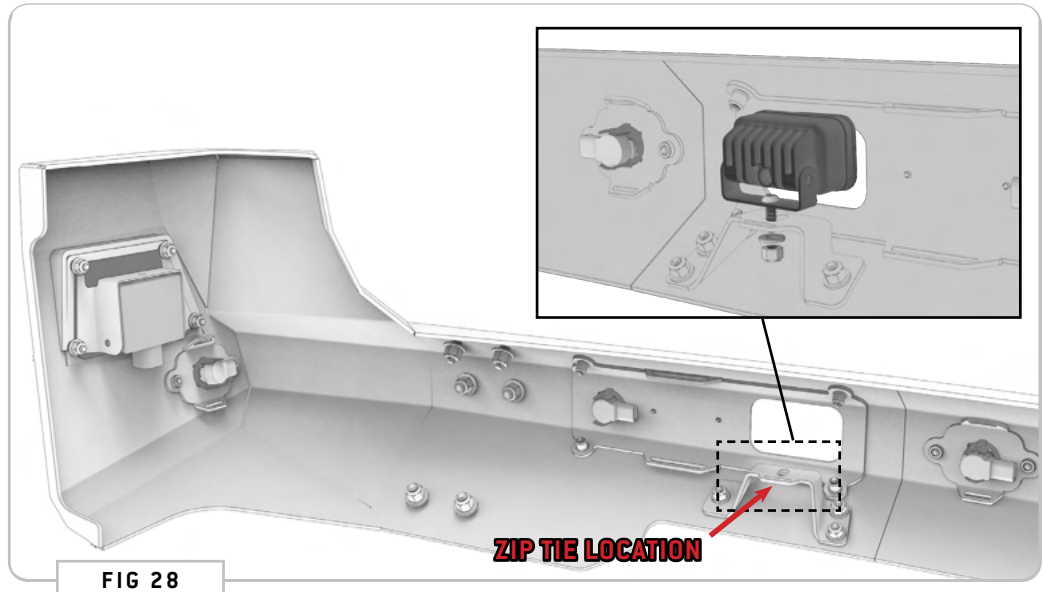
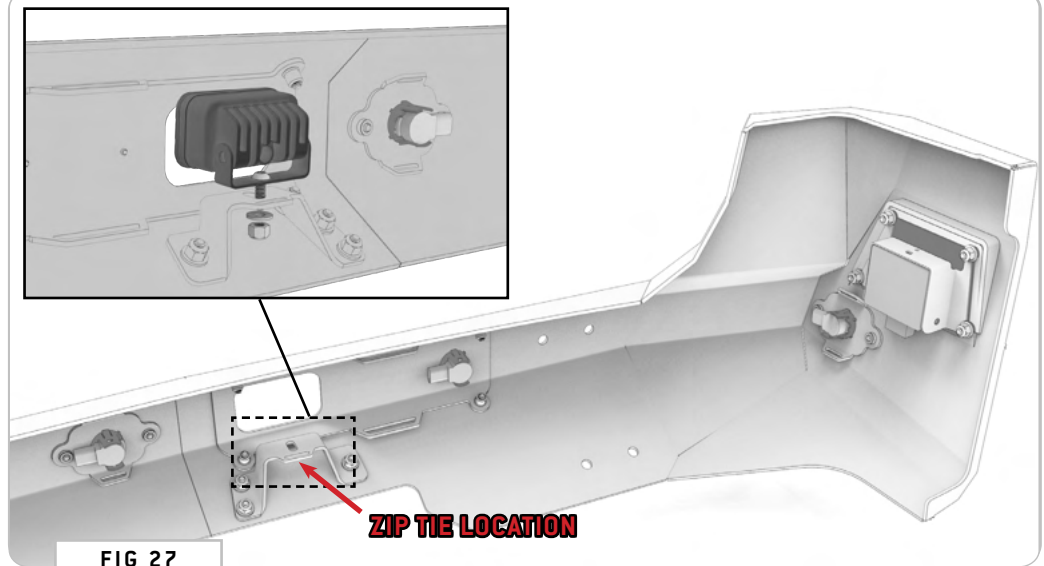
FIG 26



TOOLS REQUIRED FOR THIS STEP:

## STEP | 03 PREP FVC BUMPER

**3.11 Install Off-Road Lights (Optional):** If you purchased Off-Road Lights for this Rear Bumper, install them to the Light Brackets shown in FIG 27-28 at this time.



TOOLS REQUIRED FOR THIS STEP: + 18MM WRENCH OR SOCKET  
+ 19MM WRENCH OR SOCKET

## STEP | 04 FVC BUMPER INSTALL

**4.1 Install Van Frame Brackets:** Install the Van Frame Brackets to the locations shown in FIG 29-32 by removing the factory bolts and replacing them one-at-a-time with **M12-1.75 x 110mm Hex Head Screws, Flat Washers and Nylon Locknuts**.



FIG 29



FIG 30



FIG 31



FIG 32

TOOLS REQUIRED FOR THIS STEP: + 18MM WRENCH OR SOCKET  
+ 19MM WRENCH OR SOCKET

## STEP | 04 FVC BUMPER INSTALL

**4.1b Install Van Frame Brackets:** Install the **Van Frame Brackets** to the locations shown in **FIG 33-36** by removing the factory bolts and replacing them one-at-a-time with **M12-1.75 x 110mm Hex Head Screws, Flat Washers and Nylon Locknuts**.



FIG 33



FIG 34



FIG 35

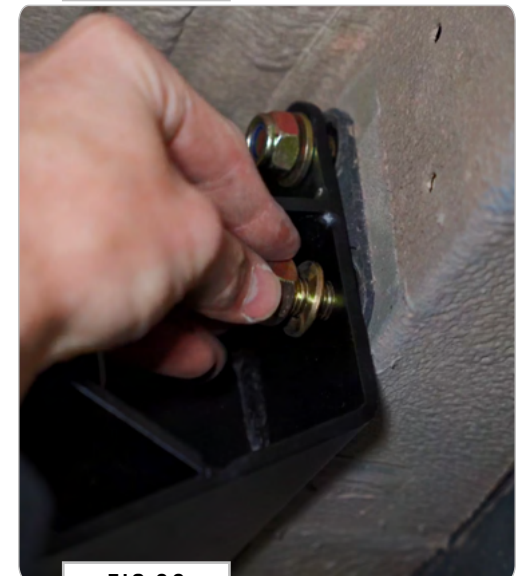


FIG 36

**TOOLS REQUIRED FOR THIS STEP:** + 18MM WRENCH OR SOCKET  
+ 19MM WRENCH OR SOCKET

## STEP | 04 FVC BUMPER INSTALL

**4.1c Install Van Frame Brackets:** Install the **Van Frame Brackets** to the locations shown in **FIG 37-38** by removing the factory bolts and replacing them one-at-a-time with **M12-1.75 x 110mm Hex Head Screws, Flat Washers and Nylon Locknuts**.



FIG 37

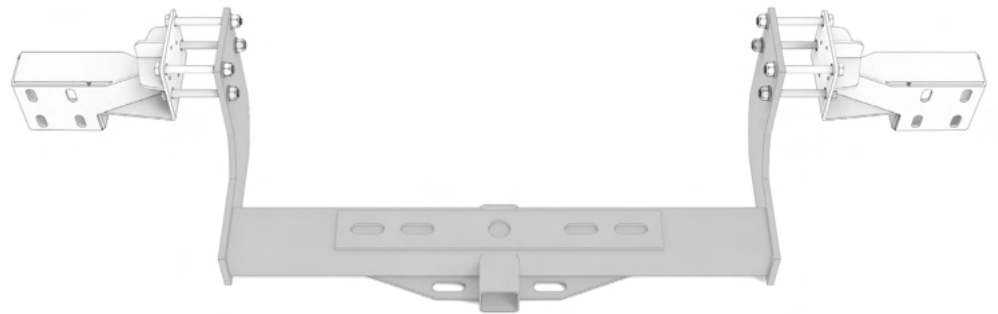


FIG 38



TOOLS REQUIRED FOR THIS STEP: + 3/4" WRENCH AND SOCKET

## STEP | 04 FVC BUMPER INSTALL

**4.2 Position Rear Bumper to Van Frame Brackets:** Position your assembled FVC Rear Bumper to the installed Van Frame brackets. It's easiest to angle it downward from above to clear the Bumper Install Brackets (FIG 39-40).

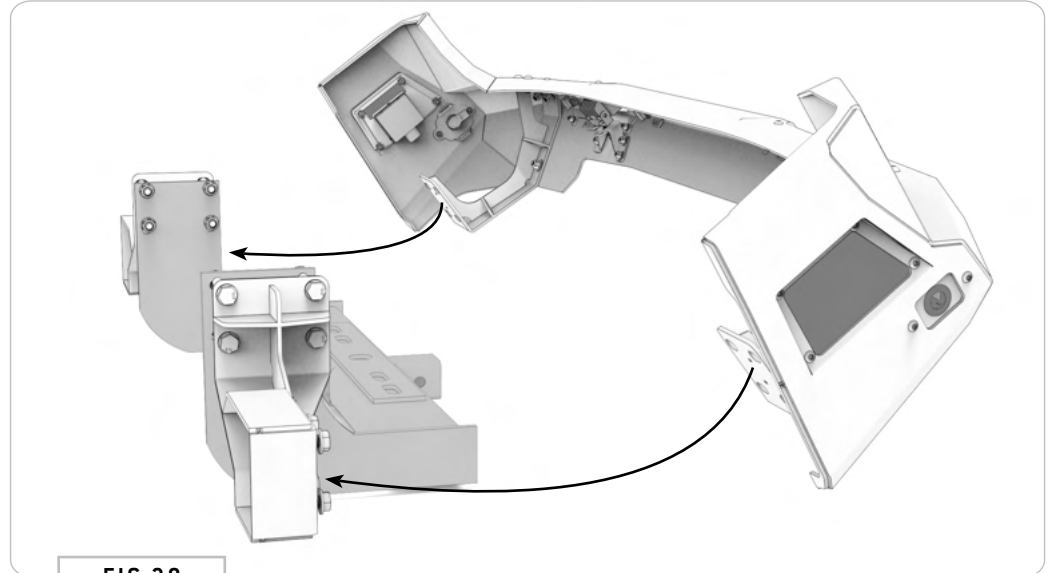


FIG 39



FIG 40



TOOLS REQUIRED FOR THIS STEP: + 3/4" WRENCH AND SOCKET

## STEP | 04 FVC BUMPER INSTALL

**4.5 Install Rear Bumper to Van Frame Brackets:** Install the **Rear Bumper** to the **Van Frame Brackets** using **(4ea) 0.5-13 x 1.5 Hex Head Screws, Flat Washers and Nylon Locknuts (FIG 41-42)**. Reattach the **Park Sensor Harness** to the van and enjoy your new **Rear Bumper**!

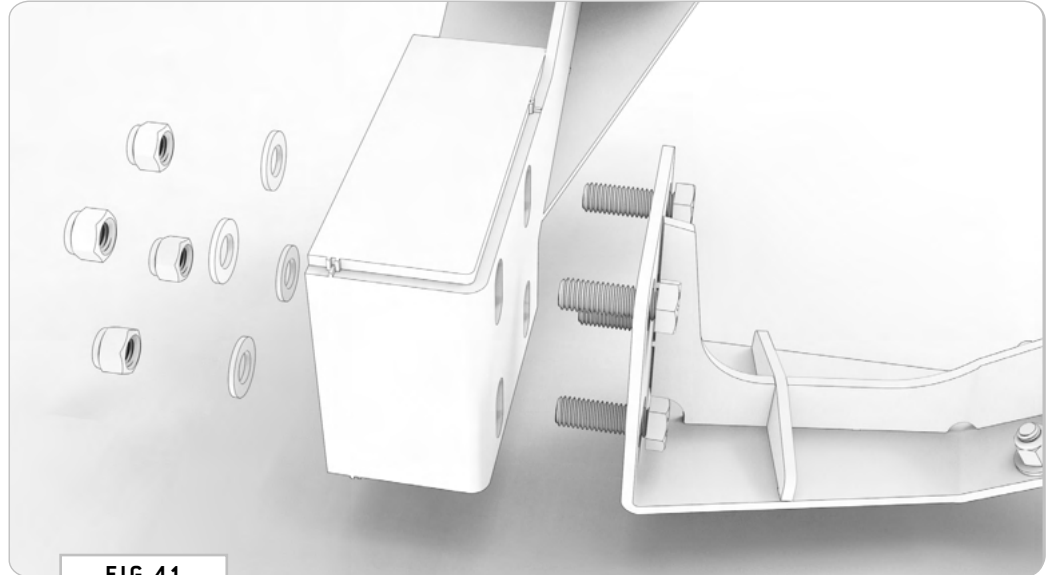


FIG 41



FIG 42

# GET OUT AND EXPLORE!

## + LEAVE US A REVIEW

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Happy with your new FVC product? We would love to hear (and see) from you! Head to the product page and click "Leave Review." Add a short review and upload a few photos to be showcased on the product page.

## + SHARE YOUR PICS

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We love seeing how our customers use their FVC products and following along with your adventures. Tag us in your photos with: @flatlinevanco or send them to us via email. We love posting customer pictures in our feed!

## + NEED ANY HELP?

---

If you are having any issues with your product, please reach out, and we will make it right. FVC is a company of van and outdoor enthusiasts that design and use our own products, so we want you to be as stoked on your new parts as we are!



@FLATLINEVANCO