



**INSTALLATION MANUAL**

**VICOWL**

**PRODUCT NUMBER: VC5900**

**APPLICATION: 2023 FORD SUPER DUTY F250**



## **IMPORTANT SAFETY GUIDE** | Your safety and the safety of others is very important.

In order to help you make informed decisions about safety, we have provided the following warnings, safety precautions, installation instructions, and other important information to alert you to potential hazards that could hurt you or others.

Please do a job safety analysis before each task to identify potential hazards for your situation and remove/protect against them. Use own good judgment and take your time.

Check packaged materials immediately upon arrival to ensure that all listed parts are included and undamaged.

**Read and understand all warnings, safety precautions, and instructions before installing this product.**

SENSORS FIELD OF VIEW MAY BE ALTERED WITH USE OF THE REPLACEMENT BUMPER.

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### **WARNINGS**

- Failure to observe the following warnings and instructions provided in this manual could lead to severe injury and/or death.
- For professional installation only. Careless installation and/or operation can result in serious injury, death, and/or equipment damage. All liability for installation and use rests with the user or consumer.
- Fab Fours, Inc. only approves installing this product according to these written instructions with the hardware provided. Failure to install according to these instructions will invalidate the warranty. This includes, but is not limited to, using alternative installation methods, hardware, or materials.
- This product is for off road use only.

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### **SAFETY PRECAUTIONS**

- Always remove jewelry and wear eye protection.
- Always use extreme caution when jacking up a vehicle for work. Set emergency brake and use tire blocks. Locate and use the vehicle manufacturers designated lifting points. Use jack stands.
- Always use appropriate and adequate care in lifting components into place.
- Always ensure components will remain secure during installation and operation.
- Always wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause serious eye injury.
- Always use extreme caution when drilling a vehicle. Always disconnect power before welding. Thoroughly inspect the area to be drilled (on both sides of material when possible) prior to drilling, and relocate any objects that may be damaged.
- Always use extreme caution when welding a vehicle. Thoroughly inspect the area to be welded (on both sides of material when possible) prior to welding, and relocate any objects that may be a fire hazard. When welding in a cab, make sure the interior surfaces are covered (e.g., welding blanket) and a fire extinguisher is at hand.
- Always use extreme caution when cutting and trimming during fitting.
- Always tighten all nuts and bolts securely per installation instructions.
- Always route electrical cables carefully. Avoid moving parts, components that become hot, and rough or sharp edges.
- Always insulate and protect all exposed wiring and electrical terminals.
- Perform regular inspections and maintenance on mounts and hardware.

# TABLE OF CONTENTS

2	SAFETY / DISCLAIMER
3	TABLE OF CONTENTS
4	A MESSAGE FROM THE OWNER
5	GETTING STARTED
6	PROVIDED MATERIAL
8	INSTALLATION
20	CONTACT

# A MESSAGE FROM THE OWNER



Fab Fours' was born out of a passion for customizing vehicles and a love of the outdoors. Our engineering team uses the latest 3D design software to turn new product ideas into reality. In our factory, designs come to life with the combination of cutting edge technology for metal cutting and forming and an American workforce that puts its' heart and pride into every product.

From design and manufacturing, to quality and delivery, Fab Fours' mission is to be the market leader for steel truck and jeep accessories. We make sure a quality product is delivered on time, more than expected, better than expected to our customers.

Enjoy your new Fab Fours product. Welcome to the family!

*Greg Higgs*

FOUNDER, FAB FOURS

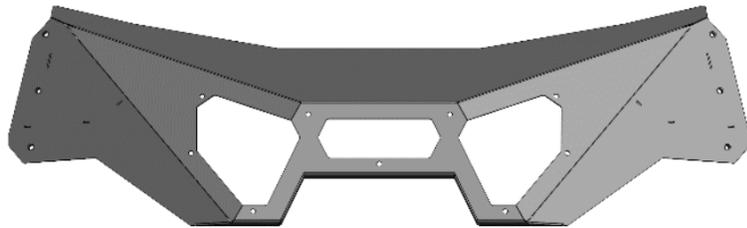
# GETTING STARTED

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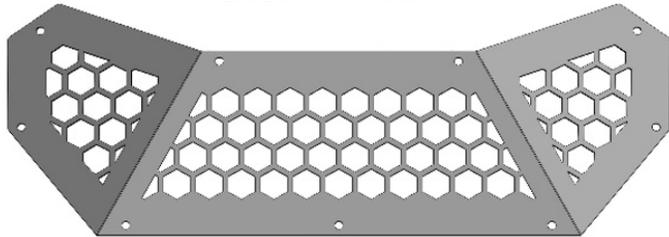
Before you begin the installation process of your new Fab Fours product, we suggest laying out all materials and parts on a pad or protective surface.

Failure to fully account for all components before beginning installation may leave vehicle immobile until part is acquired. Refer to the next pages as an inventory check.

# PROVIDED MATERIALS



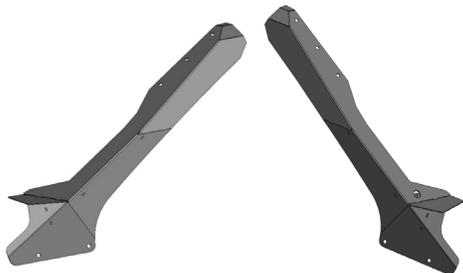
23167 - VISOR



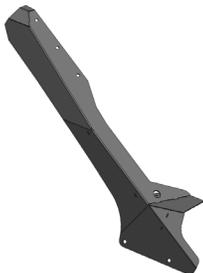
21313 - VISOR MESH



23094 - COWL



23092 - DRIVER  
SIDE ARM



23093 - PASSENGER  
SIDE ARM



61720 (QTY:2) -  
RUBBER BUMP  
STOPS



23097 - DRIVER SIDE  
UPPER HINGE



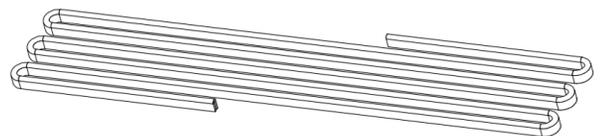
23098 - PASSENGER  
SIDE UPPER HINGE



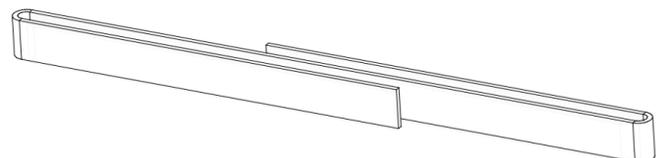
23096 - PASSENGER  
SIDE LOWER HINGE



23095 - DRIVER SIDE  
LOWER HINGE



61723 - RUBBER EDGE TRIM



61724 - FOAM STRIP

## ASSISTANCE

We recommend two people perform the installation as items are heavy and may need to be held in place while installing.

## ORGANIZATION

Disassemble the vehicle where you can catalog and store everything. We suggest labeling and bagging all the OEM bolts when removing from the vehicle. Failure to keep track of parts could lead to an inability to properly reinstall components.

## HARDWARE KIT | 50435-HW

IDENTIFICATION NUMBER	COMPONENT DESCRIPTION	QTY
50435-HW	3/8" EMBEDDED THRUST WASHER	2
50435-HW	3/8" EMBEDDED FLANGED SLEEVE BEARING	2
50435-HW	M6 X 1.00 HEX HEAD BOLT	3
50435-HW	M6 HEX NUT	3
50435-HW	M6 FLAT WASHER	6
50435-HW	M6 LOCK WASHER	3
50435-HW	3/8"-16 YELLOW ZINC HEX HEAD BOLT, GRADE 8	6
50435-HW	3/8" YELLOW ZINC FLAT WASHER, GRADE 8	8
50435-HW	3/8" YELLOW ZINC LOCK WASHER, GRADE 8	6
50435-HW	3/8" YELLOW ZINC NYLOCK HEX NUT, GRADE 8	4
50435-HW	3/8" EXPANDABLE RIVET TOOL	1
50435-HW	3/8" KNURLED RIVET NUT	2
50435-HW	3/8"-16 STAINLESS STEEL BUTTON HEAD SCREW	10
50435-HW	3/8" STAINLESS STEEL BONDED WASHER	10
50435-HW	3/8 SAE FLAT WASHER, 18/8 SS	2
50435-HW	3/16-16 NYLOCK NUT, 18/8 SS	2
50435-HW	5/16"-18 STAINLESS STEEL BUTTON HEAD SCREW	9
50435-HW	5/16" STAINLESS STEEL BONDED SEALING WASHER	9
50435-HW	5/16"-18 NYLOCK HEX NUT	9
50435-HW	5/16" STAINLESS STEEL FLAT WASHER	9
50435-HW	1/2" CLEAR ZINC FLAT WASHER	2
50435-HW	17/32" DRILL PIT	1
50435-HW	M8 X 1.25 BALL STUD	2
50435-HW	M8 NYLOCK HEX NUT	2

# INSTALLATION

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1. Place blue painters tap across the hood and fender seam and draw one or two lines across the seam using a marker. These lines will help with hood alignment after the new brackets are installed. Cut the tape with a razor and raise the hood for removal steps. Figure 1-2.

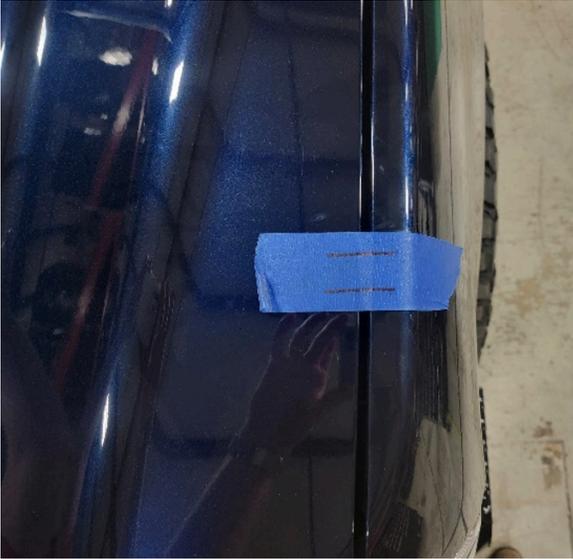


Figure 1.



Figure 2.

2. Remove the clip holding the gas strut holding the hood up. Use a 10mm socket wrench to remove the two (2) nuts holding the hood to the OE brackets, set the nuts aside for later use. With assistance, remove the hood from the truck. Figure 3.



Figure 3.

3. Pull the small lock clip on the side of the windshield wipers and pull them off their spindle. Figure 4.



Figure 4

4. Remove the plastic cowl from the truck by releasing the 6X clips along the edge. Figure 5.



Figure 5

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5. Use a 10mm and 13mm socket wrench to remove the five (5) bolts holding the hood hinge assembly to the truck. Remove the gas strut from the OE hood hinge assembly for later use. Figure 6.

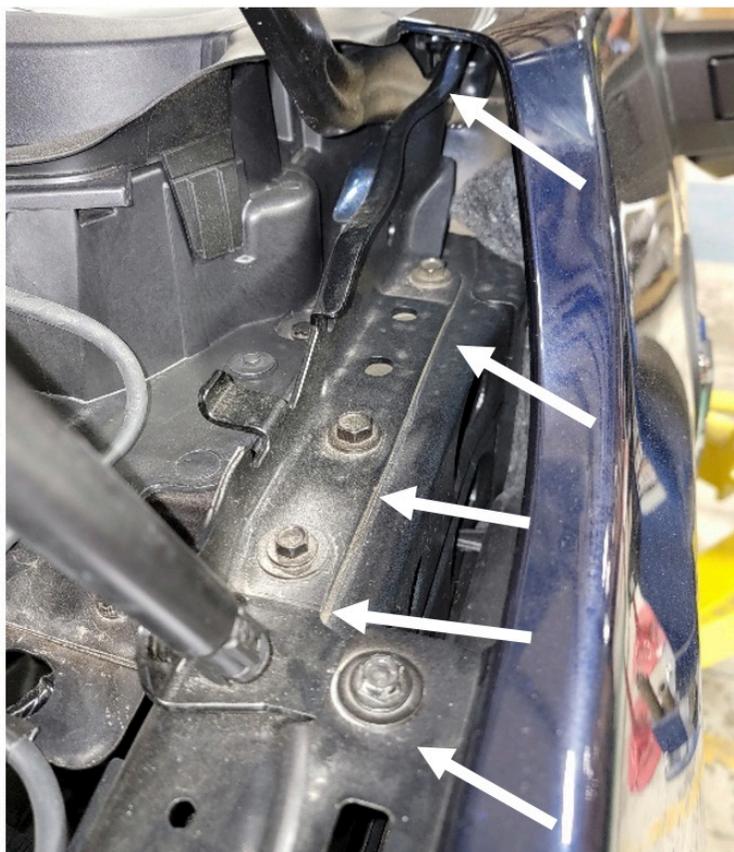


Figure 6.

6. Assemble the driver and passenger side hood and base brackets as shown below:
- Install the brass bushing by pressing it into the upper hole in the hood bracket as shown in Figure 7.
  - Attach the hood bracket to the base bracket using the 3/8" hex head bolt with flat washers, thrust washer and nylock nut as shown in Figure 7.
  - Fasten the assembly together being careful to keep the thrust washer on the brass bushing. Tighten until the hood bracket rotates smoothly against the thrust washer.
  - Install the ball joint mount for the OE gas strut onto the base bracket.

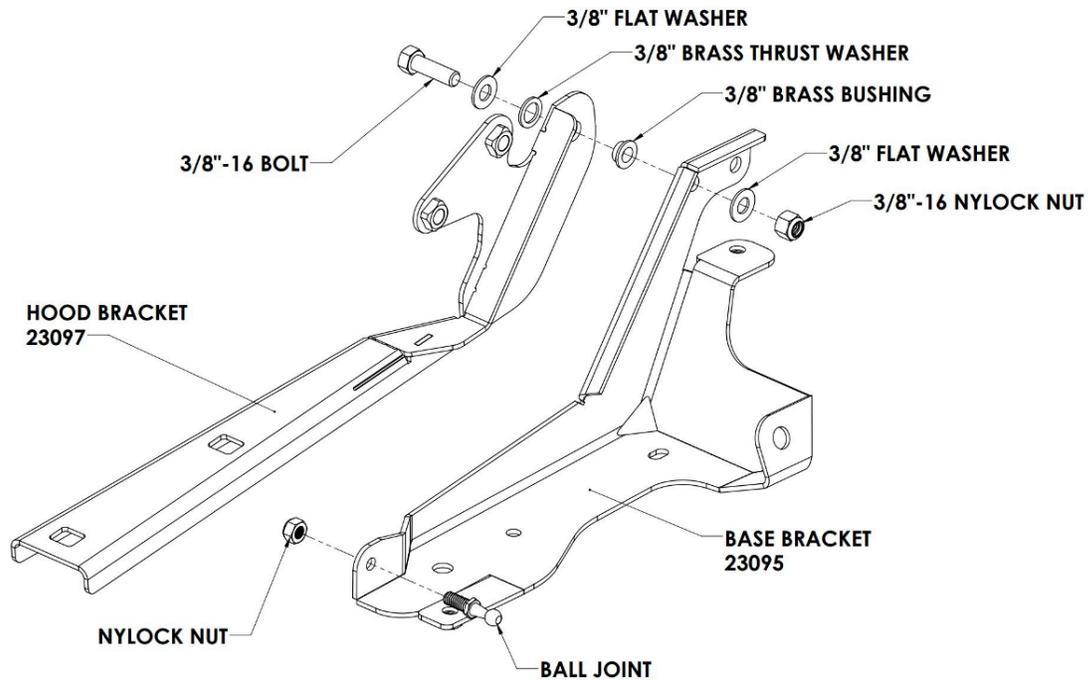


Figure 7

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7. Install the driver and passenger side hood bracket assemblies onto the truck reusing the OE hardware taken off during step 5. Use a 10mm and 13mm socket to fasten the brackets in place. Figure 8.

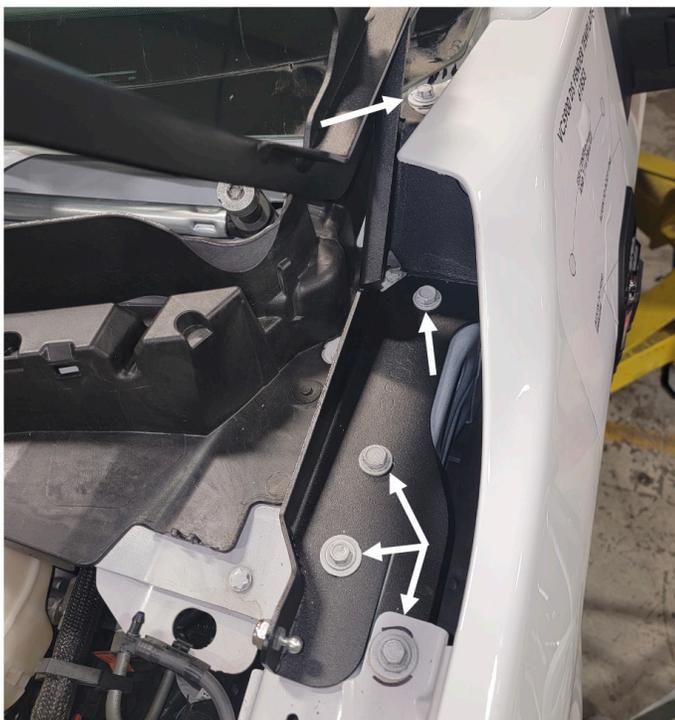


Figure 8.

8. With assistance, install the hood onto the hood bracket assemblies using the hardware removed during step 2. Reinstall the hood gas struts using the hood mount and the ball joint installed during step 6. Figure 9



Figure 9.

9. While the hood nuts are loose, carefully close the hood and inspect the tape set in step 1 for hood to fender alignment. Adjust the hood until the tape lines match up and then tighten the hood nuts installed during step 8.

10. Use a center punch to mark the forward drilling location for the vicowl arm on both the driver and passenger side fenders. Use the punch on the inside of the fender, this will create a raised nib on the outside of the fender, use the center punch again on the outside of the fender on the created nib for your pilot hole. Figure 10.



Figure 10

11. Hold the vicowl arm up to the and install it to the hood brackets using a 3/8" hex head bolt at the top. Line the forward arm hole up with the fender center mark created in step 10, and mark the center of the rear vicowl arm mounting hole. Figure 11-12.

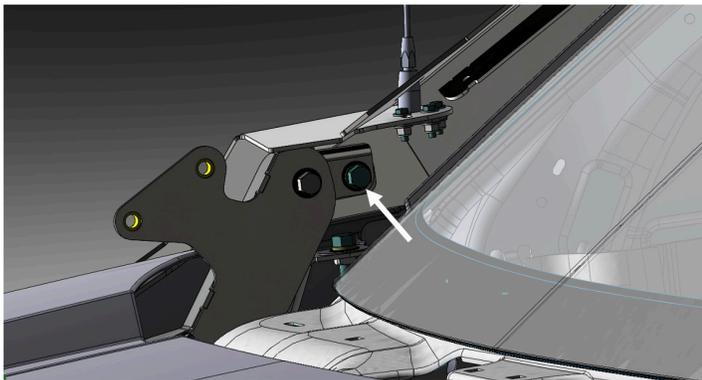


Figure 11

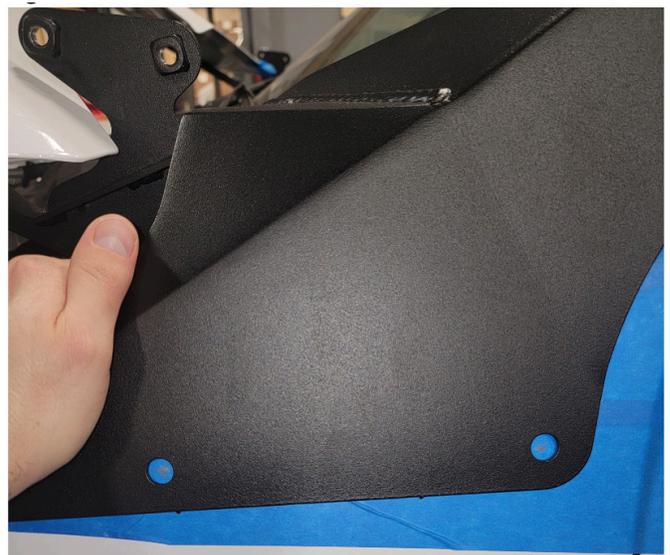


Figure 12

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12. Remove the arm from the truck and use a  $\frac{1}{4}$ " drill bit to drill the two arm mounting holes. Step up bit sizes until you finish the mounting holes with the provided  $\frac{17}{32}$ " drill bit.

13. Place a provided  $\frac{3}{8}$ " nutsert into the rear vicowl arm fender mounting hole to ensure that it sits flush with the fender. You may need to use a punch or small chisel to push some internal material away from the hole to achieve this.

14. Place the provided nutsert expandable tool onto a  $\frac{3}{16}$ " hex head bolt and thread a  $\frac{3}{16}$ " nutsert on the end for installation (Figure 13). Place the nutsert into the rear fender mounting hole and hold it flush. Place a socket wrench with a  $\frac{9}{16}$ " socket on the bolt head and hold the expandable nutsert tool with box end wrench. Thread in the bolt to set the nutsert. Figure 14.



Figure 13.



Figure 14.

15. Install the OE antenna mount onto the passenger side vicowl arm using the provided 3x MG bolts, washers and nuts. Figure 15.

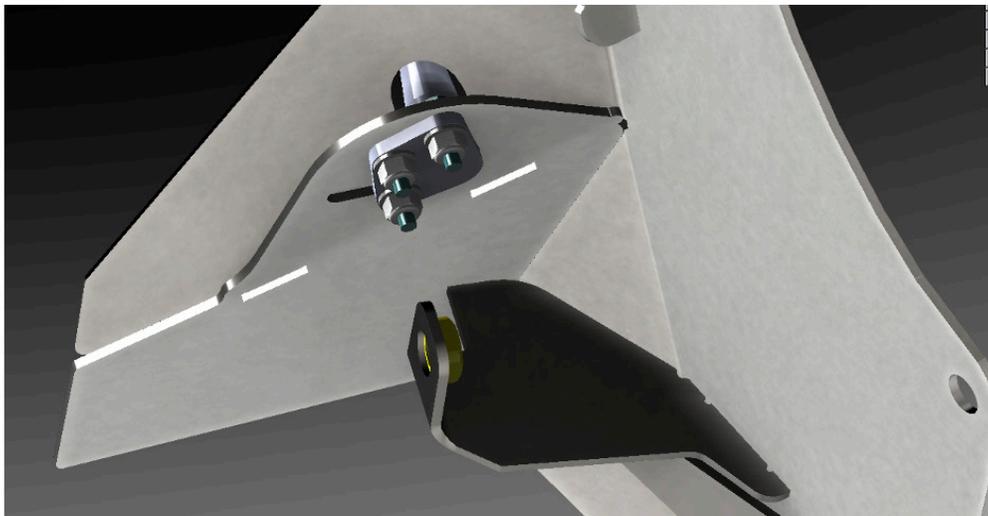


Figure 15.

16. Install the 1" neoprene rubber strip to the inside of both vicowl arms as shown in Figure 16.

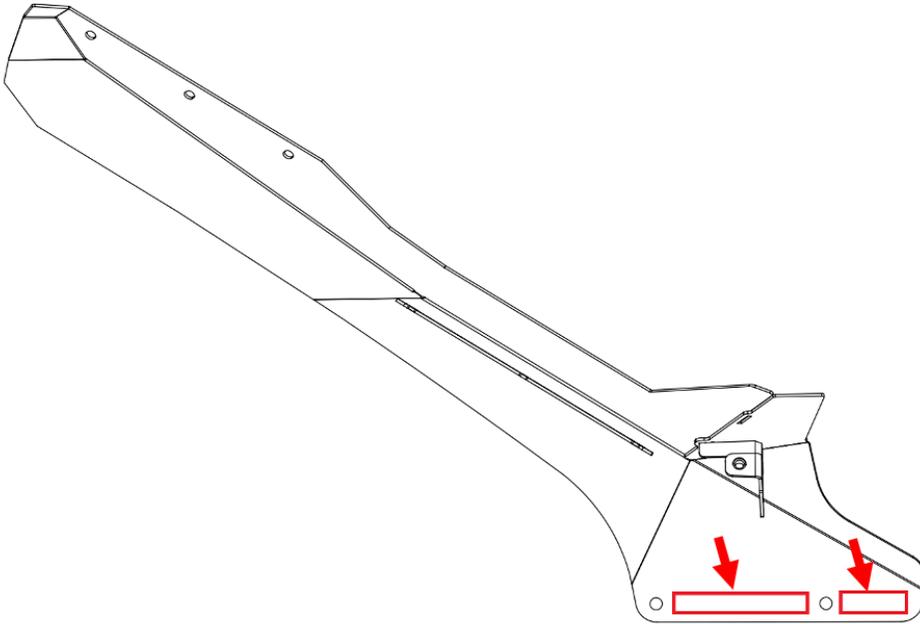


Figure 16.

17. Place the provided edge trim along the edge of the cowl cover as shown below. Figure 17.

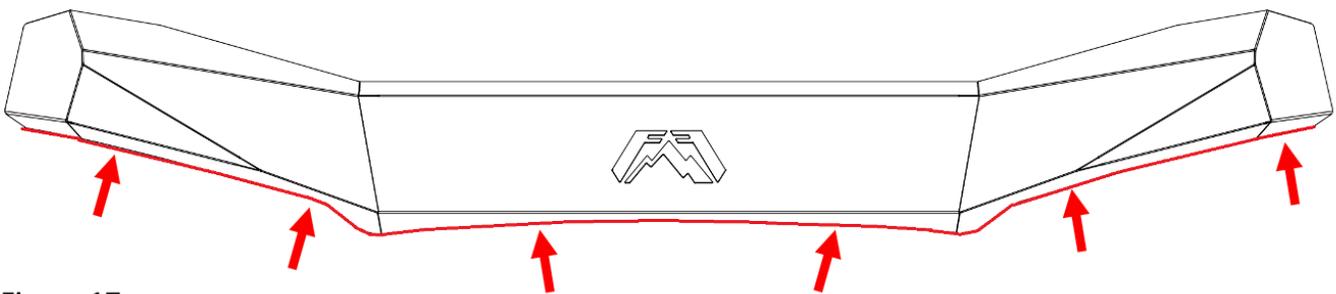


Figure 17.

18. Loosely install the rubber bumpers with  $\frac{1}{2}$ " washers to the visor. Figure 18.

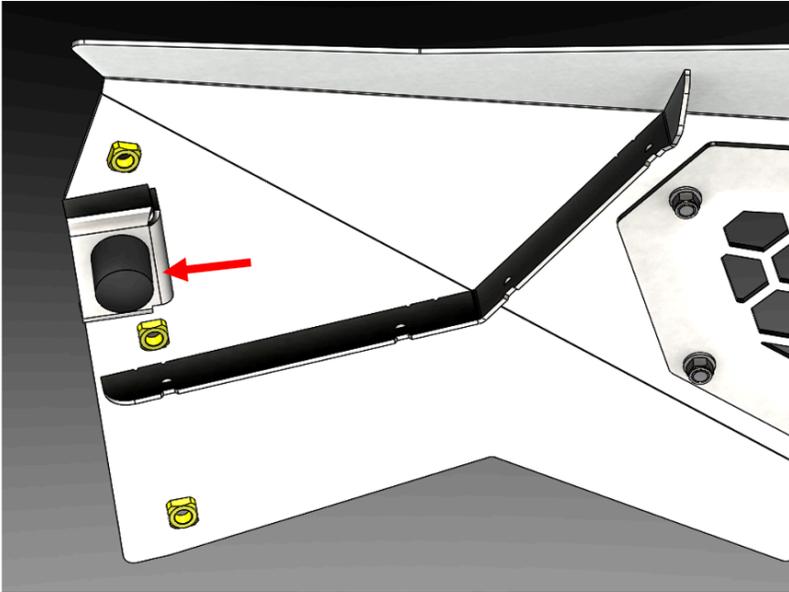


Figure 18.

19. Install the visor mesh insert using the provided 9x stainless steel button head bolts with washer, lock washers and nuts. If installing a light insert (VC4101-VC4102) replace the mesh with the desired insert and install lights before placing the visor on the truck. Figure 19.

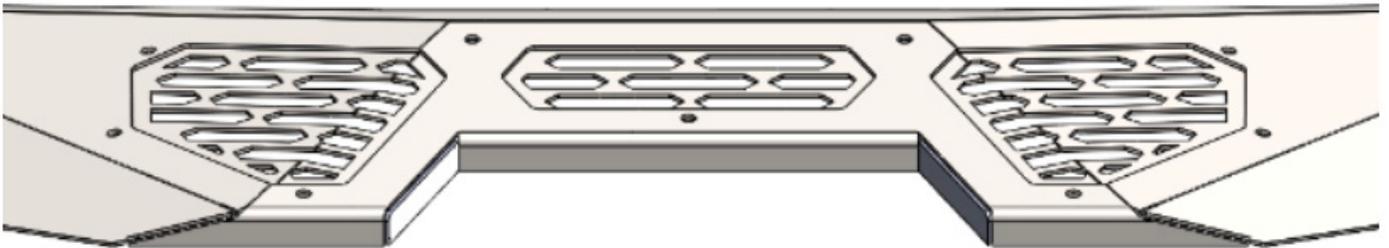


Figure 19

20. Loosely assemble the vicowl arms to the visor using the provided 6x stainless steel button head bolts with bonded washers. Figure 20.



21. Trim both sides of the plastic cowl removed during step 4 to the dimensions shown in Figure 21-22. Reinstall the plastic OE cowl and reinstall the windshield wipers.



Figure 21 (driver side)



Figure 22 (passenger side)

**22. With assistance, hold the visor assembly and arms up to the truck and install them using the 4x stainless steel 3/8" button head screws fender mounts and 2x yellow zinc 3/8" hex head bolt bracket mounts. Figure 23.**

**a. Start by loosely installing the 2x yellow zinc hex head bolts into the how brackets Figure 23.**

**b. Then install the 4x 3/8" button head screws into the fender. One into the nutsert installed in step 14 and one into the forward hole and hood bracket using the 3/8" stainless steel flat washers and nylock nut. Figure 24.**

**c. Adjust the bump stops installed in step 18 until the visor and arms sit as desired, and then fully tighten the mounting hardware.**



Figure 23

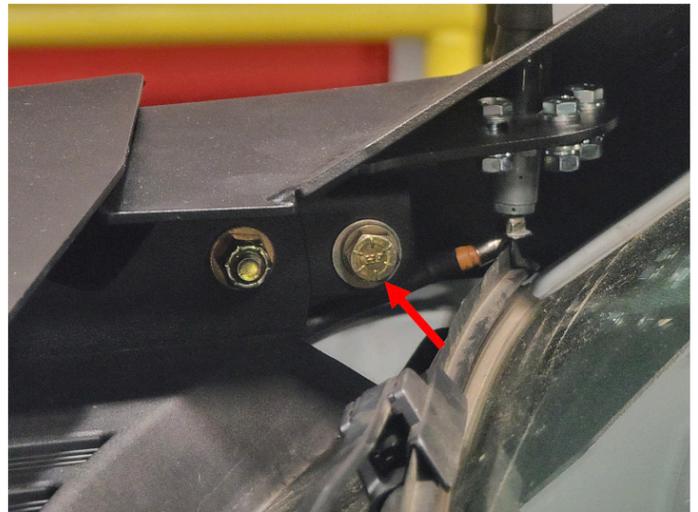


Figure 24.

**23. With assistance, lift the ViCowl assembly up over the hood and slowly lower it down on the mounting surface as shown in the image below indicated by the red arrows. Figure 25.**

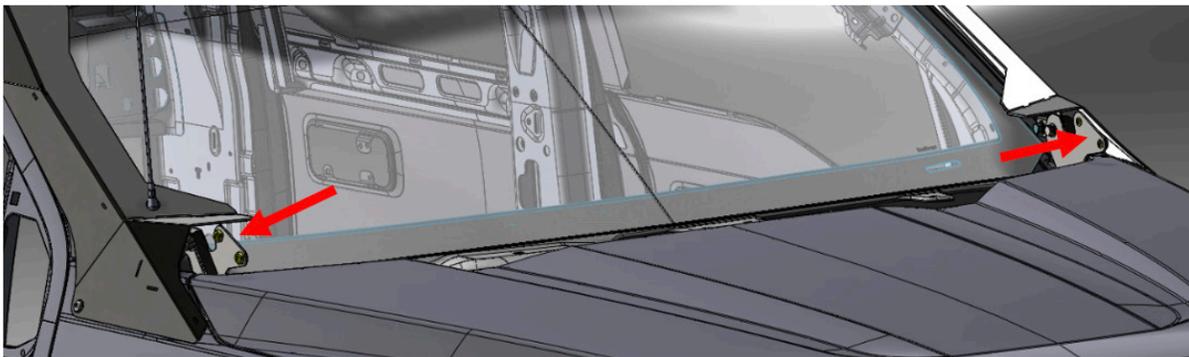


Figure 25.

24. Loosely install the 4x yellow zinc hex head 3/8"-16 bolts, flat washers and lock washers into the cowl as shown in Figure 26 and indicated by the red arrows. Figure 26.

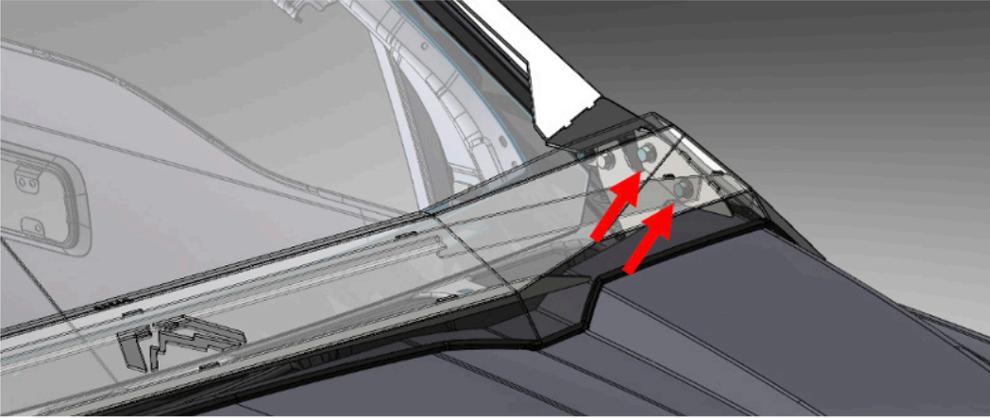


Figure 26.

25. Using a plastic panel pry bar, insert the prybar under the cowl and on top of the arm to maintain a symmetrical gap on each arm. Figure 27.



Figure 27.

26. Push down on the front of the ViCowl to close any gap that may be between the hood and the rubber seal of the cowl and fully tighten down the two bolts on that side. Tighten all mounting hardware.

# CONTACT INFORMATION

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**FABFOURS.COM**



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**“IF YOU’RE LOOKING FOR MORE OF THE SAME,  
THEN YOU’VE COME TO THE WRONG PLACE.”**

**- GREG HIGGS**

