



INSTALLATION MANUAL
GRUMPER
PRODUCT NUMBER: GR5200
APPLICATION: 2021 FORD BRONCO



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.

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.

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
7	DISASSEMBLY
9	INSTALLATION
12	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

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.

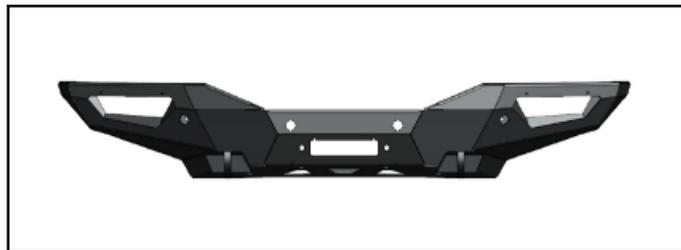
Failure to fully account for all components before beginning installation may leave vehicle immobile until part is acquired. Refer to the next pages as an inventory check.

PROVIDED MATERIALS



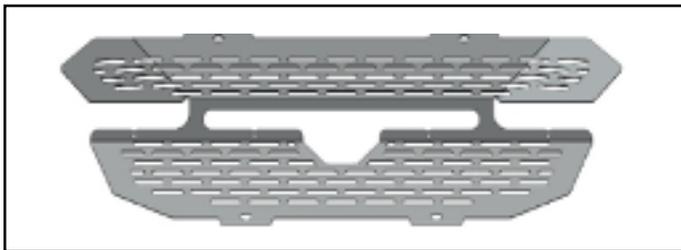
22566 - BUMPER

50312 -
GRUMPER
HARDWARE
KIT



22567 - GRILL

GR5200-IM -
INSTRUCTION
MANUAL



22568 - MESH

61784 -
ACC PLASTIC
SHEET COVER



22569 - LIGHT MOUNT



22570 -
ACC BRACKET



22583 -
CAMERA MOUNT

61632 -
EPOXY QTY:2



22584 -
CAMERA CLAMP

TOOLS REQUIRED

- Body Pry Tool
- 3/8 Drill Bit
- 10mm Wrench
- 9/16 wrench
- 13mm Wrench
- 7/32 wrench
- 15mm Wrench
- 1/2 wrench
- 18mm Wrench

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.

ASSISTANCE

This manual shows the six sensor configuration for illustration purposes but your specific installation may vary.

HARDWARE KIT | GR5200

FAB FOURS IDENTIFICATION	COMPONENT DESCRIPTION	QTY
50312-HW	10-24 X 3/4", Black Button Head Bolt 18/8SS	6
50312-HW	10-24 Hex Nut 18/8SS	6
50312-HW	#10 Lock Washer 18/8SS	6
50312-HW	#10 Flat Washer 18/8SS	6
50312-HW	1/4"-20 x 1", Yellow Zinc Hex Bolt, Grade 8	5
50312-HW	1/4"-20, Yellow Zinc Nylon Hex Nut, Grade 8	5
50312-HW	1/4" Yellow Zinc Flat Washer, Grade 8	10
50312-HW	3/8"-16 x 1" Yellow Zinc Bolt, Grade 8	8
50312-HW	3/8" Yellow Zinc Lock Washer, Grade 8	8
50312-HW	3/8" Yellow Zinc Flat Washer, Grade 8	8
50312-HW	5/16"-18 x 1" Yellow Zinc Hex Head Bolt, Grade 8	2
50312-HW	5/16"-18 Yellow Zinc Hex Nut, Grade 8	2
50312-HW	5/16" Yellow Zinc Flat Washer, Grade 8	4
50312-HW	5/16" Yellow Zinc Lock Washer, Grade 8	2
50312-HW	M12x1.75, 30mm, Yellow Zinc Flange Head Bolt	6
50312-HW	7/16" Yellow Zinc Flat Washers, Grade 8	10
50312-HW	Black Plastic Sensor Plug	4
50312-HW	Black Rubber Grommets	4
50312-HW	Black Plastic Winch Plug	2
50312-HW	Black Plastic Camera Plug	1

1. Open the hood and remove all the push pins holding the plastic radiator cover on. Figure 1.



Figure 1

2. Use a 10mm socket to remove the four (4) bolts holding the top of the grill to the radiator frame.
Figure 2.



Figure 2

3. Removed the OEM grill by carefully pulling the clips free at the base and sides of the grill.

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4. Using the panel pry tool remove the eight (8) push pins attaching the two (2) tow hook cover plates to the bumper. Figure 3.

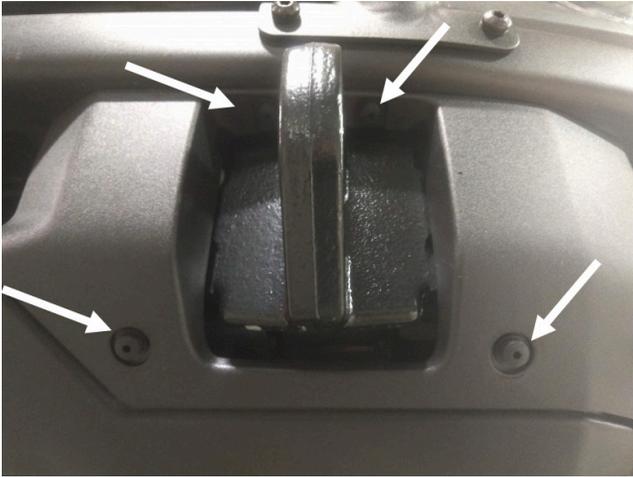


Figure 3

5. Using the 15mm socket wrench remove the six (6) bolts that attach the factory bumper to the frame. Figure 4.



Figure 4

6. Unplug the wiring harness and remove the OEM bumper from the Bronco.

7. Remove the OEM electrical harness from bumper by removing the push pins.

(Figure 5-6)

NOTE: Document the location of each sensor housing for reference when reinstalling into your bumper.



Figure 5



Figure 6

8. Remove the sensor from the sensor housing by expanding both sides of the sensor housing and lifting. (Figure 7-8)



Figure 7



Figure 8

9. Remove the sensor housing from the bumper by depressing the four (4) tabs while pulling outward from the outside of the bumper. (Figure 9-10)



Figure 9



Figure 10

10. Remove the intercooler shroud from the vehicle by depressing the tabs around the perimeter of the shroud and then separating the shroud from the intercooler. Figure 11.

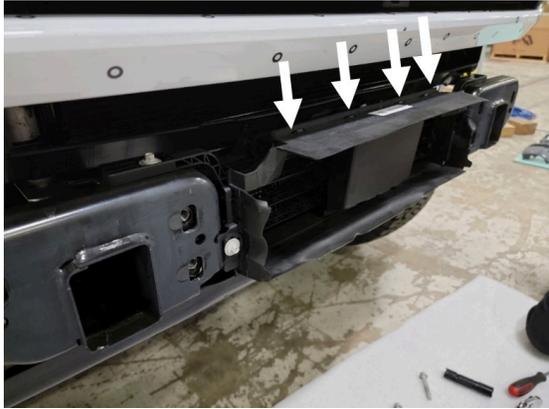


Figure 11

11. Using the 15mm socket wrench, remove the two bolts at the front of the OEM skid plate and then loosen the two bolts at the rear of the OEM skid plate to remove it from the vehicle.



12. Using the 15mm socket wrench, remove the front bolt and loosen the rear bolt that attaches the skid plate mounting brackets to the frame letting the two brackets hang down.



13. Remove the adaptive cruise control (ACC) sensor shroud from the vehicle using a panel pry tool to release the plastic clips. Using an 8mm socket wrench remove the ACC sensor with bracket from the intercooler. Figure 12.

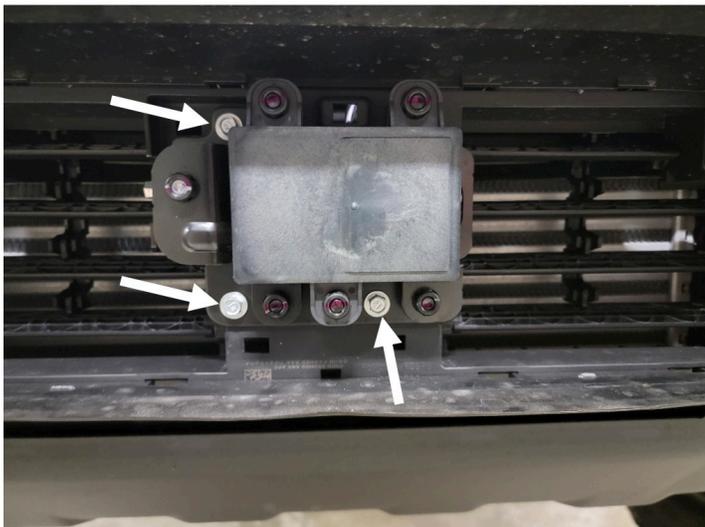


Figure 12

14. Using a 10mm socket wrench remove the four (4) bolts around the intercooler louvers to remove the louvers from the frame. Figure 13



Figure 13

15. With the louvers removed, remove the wiring harness from the back side of the louvers by releasing the plastic clips with a panel pry tool. These clips can be reused later to reinstall the louver harness with new zip ties. Figure 14



Figure 14

16. Disconnect the plug at the louver motor by pulling back on the red tab and then depressing the black tab underneath. Figure 15 Set the louvers aside for now they will be reinstalled later.

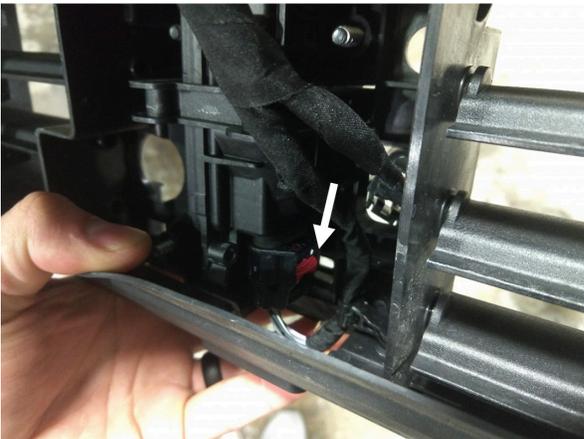


Figure 15

17. Using a utility knife, remove the tape on the louver harness to separate the ACC harness from the louver harness. Figure 16



Figure 16

18. Using electrical tape or wire loom, recover the two-harnesses separated previously and reinstall the louver harness to its original location. Figure 17 leave the ACC harness loose. Figure 18



Figure 17



Figure 18

19. Take the OEM front camera out of the grille by removing the two bolts and plastic housing and set aside for later installation. Disconnect the camera wiring harness from the OEM grille to be installed into the Grumper grille. Figure 19.

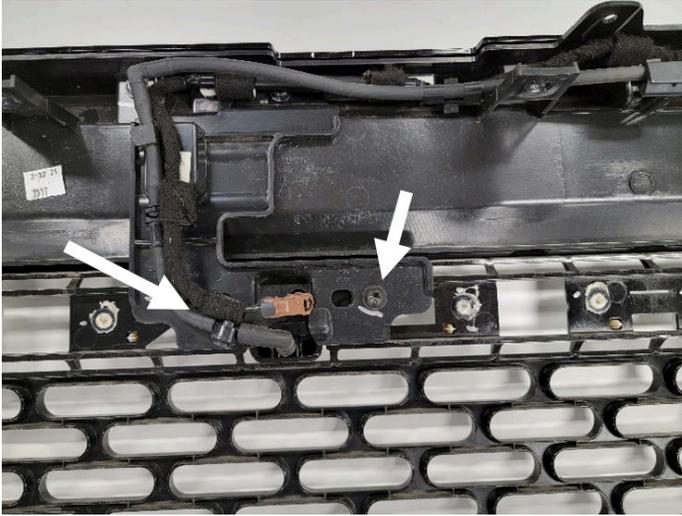


Figure 19

20. Install the OEM camera into the Grumper grille using the provided camera mounts 22583 and 22584. Carefully sandwich the camera between the brackets and use the provided #10 hardware to fasten it in place. Figure 20.



Figure 20

21. Use 2x #10 bolts, nuts, and washers to fasten the camera brackets to the Grumper grille. Figure 21.



Figure 21

22. Install the sensor housings into their respective locations in the bumper base and use the provided epoxy to fasten them in. Figure 22. Plug the Sensors harness into the sensors and run the harness through the bumper using zip ties to fasten it in place. Make sure to keep the harness plug on the driver side of the bumper when installing. Figure 23.



Figure 22



Figure 23

23. If your Bronco does not use sensors install the provided rubber grummets and plugs to fill the sensor holes. Figure 23.



Figure 23

24. With assistance, hold the bumper up to the frame and use the provided M14 flange bolts with 7/16" flat washers to fasten it in place. Hold the bumper as high as it can go before tightening the hardware. (It is suggested to test fit the grill at this time to insure proper fitment, the bumper may need to be adjusted to insure the grill sits properly). Figure 24.



Figure 24

25. If installing an Adaptive Cruise Control sensor: start by cutting the provided plastic sheet using the provided cutting template. Figure 25.



Figure 25

26. Once cut, install the plastic into the light pod point assembly (22569) using 2x Black #10 button head bolts with nuts and washers. If installing pod lights, do so at this time. Figure 26.



Figure 26

27. Use the 1/4" yellow zinc hardware to attach the ACC sensor to the mounting bracket and light pod assembly. Figure 27.

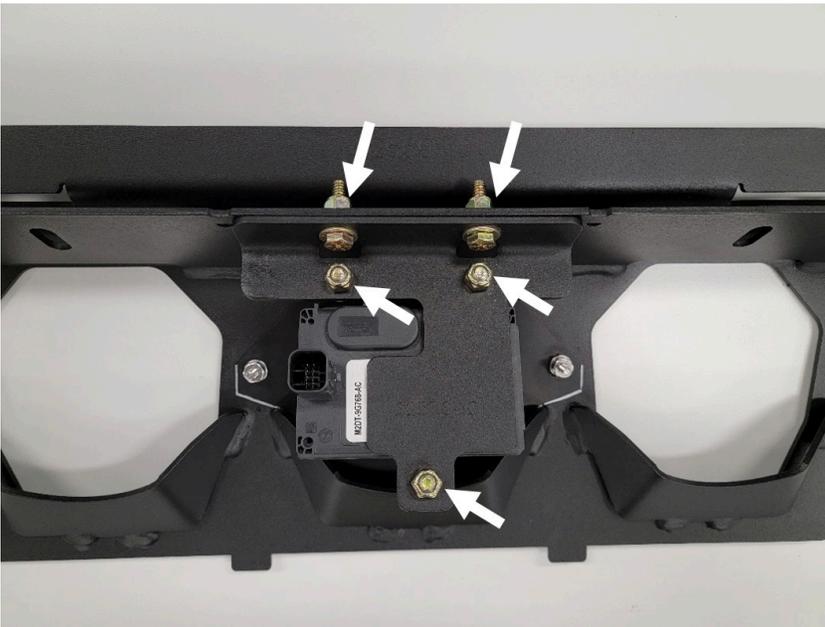


Figure 27

28. Install the mesh (22568) into the grille and place the light pod insert on top by sliding the lower tabs into the slots and using the provided 3/8" zinc hardware to fasten them down. Figure 28.



Figure 28

29. With assistance, hold the grille up to the bumper and vehicle and use the provided 3/8" zinc hardware to loosely fasten it to the bumper. while installing the grille make sure to plug the camera into the hardness as you will not have access after the grille is installed. Figure 26.



Figure 28

30. Position the grille as desired and use the provided 5/16" zinc hardware to fasten the top section in place. Once happy with fitment, fully secure the top and bottom grille mounts. Figure 27.

***NOTE: Hood bump stops and/or latch location may need to be adjusted for proper hood fitment to the Grumper grille. Use caution when first closing the hood on the Grumper to ensure fitment is correct. ***

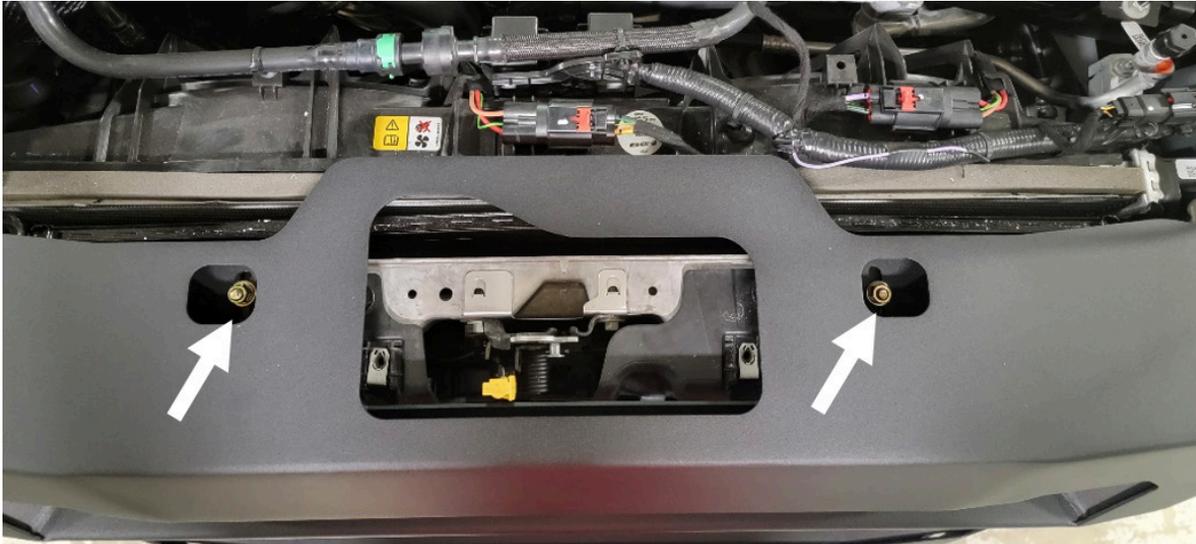
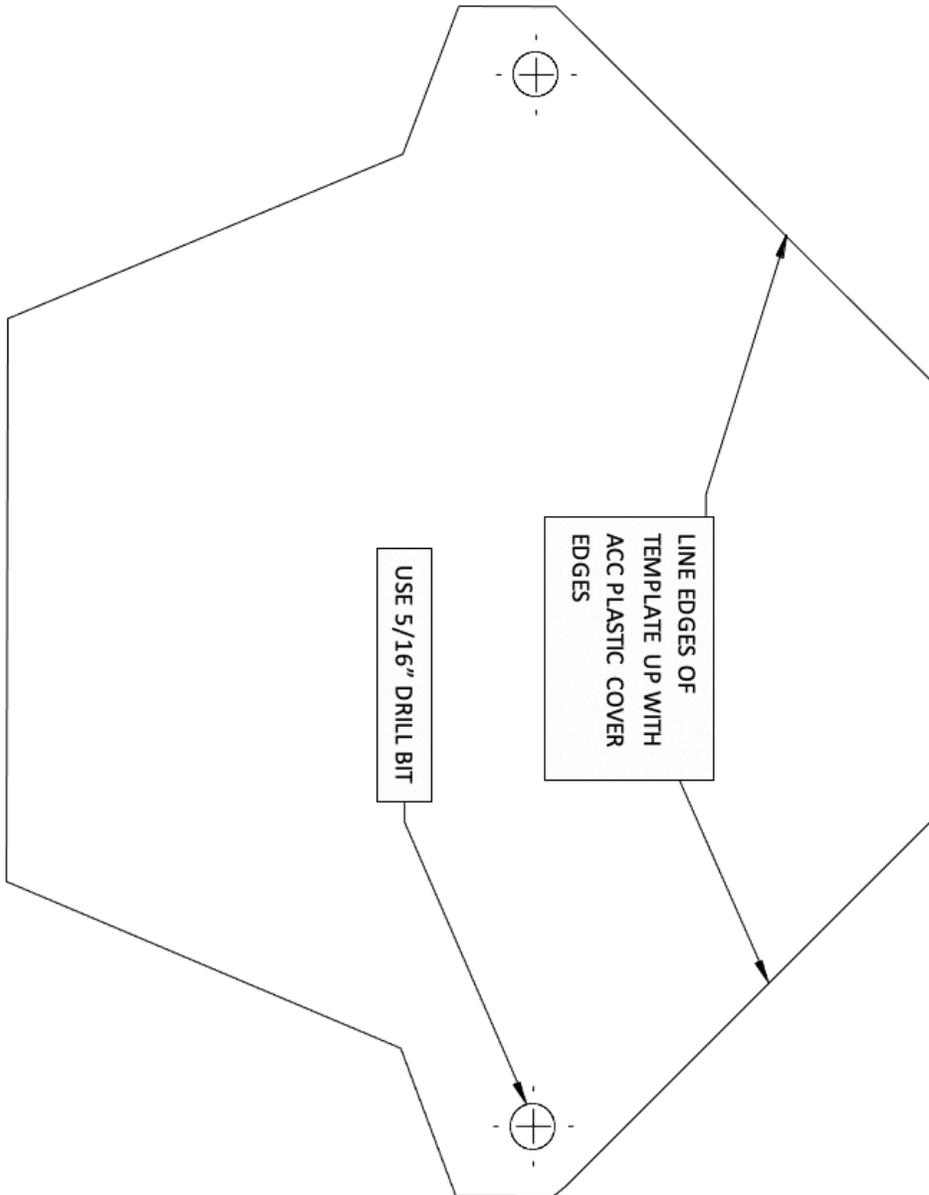


Figure 27

31. Reinstall OEM or Fab Fours skid plate at this time using the OEM hardware along with the provided 7/16" zinc washers.

32. Plug in all sensors and wiring harnesses and make sure all mounting hardware is fully tightened.



CONTACT INFORMATION

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

- GREG HIGGS

