



**INSTALLATION MANUAL**  
**GRUMPER**  
**PRODUCT NUMBER: GR5000**  
**APPLICATION: 2021 FORD F150**



## **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.

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# A MESSAGE FROM THE OWNER

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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

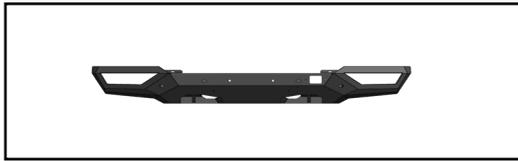
# GETTING STARTED

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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.

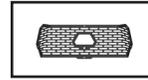
Failure to fully account for all components before beginning installation may leave vehicle immobile until part is acquired. Refer to the next pages as an inventory check.

# PROVIDED MATERIALS



22443 Bumper

50281  
HW-  
KIT



22446 Mesh



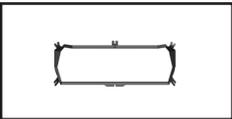
22444 Grill



22447 DS Mount

22448 PS Mount

61632 2 EPOXY



22445 Grill Insert

61784  
Plastic Sheet

22352 L-BRACETS 2

## HARDWARE KIT | 50281

FAB FOURS IDENTIFICATION	COMPONENT DESCRIPTION	QTY
50281-HW	1/4"-20 x 1", Yellow Zinc Hex Bolt, Grade 8	4
50281-HW	1/4"-20, Yellow Zinc Hex Nut, Grade 8	4
50281-HW	1/4" Yellow Zinc Flat Washer, Grade 8	8
50281-HW	1/4" Yellow Zinc Lock Washer	4
50281-HW	1/4"-20 x 3/4", Stainless Steel Button Head Bolt	2
50281-HW	1/4" Stainless Steel Nylock Hex Nut	2
50281-HW	1/4" Stainless Steel Flat Washer	4
50281-HW	5/16"-18 x 1", Yellow Zinc Hex Bolt, Grade 8	13
50281-HW	5/16" Yellow Zinc Lock Washer, Grade 8	13
50281-HW	5/16" Yellow Zinc Flat Washer, Grade 8	16
50281-HW	5/16" Yellow Zinc Fender Flat Washer, Grade 8	5
50281-HW	5/16"-18 Yellow Zinc Hex Nut, Grade 8	8
50281-HW	1/2"-13 x 1.75", Yellow Zinc Hex bolt, Grade 8	12
50281-HW	1/2"-13, Yellow Zinc Hex Nut, Grade 8	8
50281-HW	1/2" Yellow Zinc Flat Washer, Grade 8	20
50281-HW	1/2" Yellow Zinc Lock Washer, Grade 8	12
50281-HW	Plastic Plug	6
50281-HW	7/16"-14 x 1.5" Button Head Bolt, Stainless Steel	2
50281-HW	7/16"-14 Hex Nut, Stainless Steel	2
50281-HW	7/16" Lock Washer, Stainless Steel	2
50281-HW	7/16" Flat Washer, Stainless Steel	4
50281-HW	3/8"-16 x 1" Yellow Zinc Bolt, Grade 8	10
50281-HW	3/8" Yellow Zinc Lock Washer, Grade 8	10

## TOOLS REQUIRED

- 8mm T6 Torx Bit
- 10mm Body Pry Tool
- 13mm Cutting Tool
- 18mm
- 7/16"
- 1/2"
- 3/4"

## 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.

# DISASSEMBLY

1. Use a body pry tool to remove the 15 push pins that hold the grill cover on the truck. Remove the grill cover. Figure 1



Figure 1

2. Use a body pry tool to remove the 5 push pins from the top of the grill. Use a 10mm socket to remove the 4 bolts holding the louver system onto the engine bay. Figure 2



Figure 2

3. Use an 8mm socket wrench to remove the two bolts on both sides of the truck that attach the valence to the fender well. Carefully pull the valence off the truck by disconnecting the clips along the top of the valence. Figure 3-4.



Figure 3



Figure 4

4. With the valance removed; Use an 8mm socket to remove the lower bolts holding the louver system and grill onto the truck. Remove the grill and louver system from the truck. Figure 5



Figure 5

5. Remove the louver system from the grill by using a 10mm socket to remove the 4 nuts from the side of the louver. Use a 8mm socket to remove the bolt in the center of the louver system. Figure 6-7



Figure 6



Figure 7

# INSTALLATION

6. Reinstall the louver system and valance back onto the truck by reversing steps 2-4.

7. Use a T6 torx bit to remove the 3 bolts holding the camera housing in the grill. Remove the camera from the housing and set aside for later use. Figure 8.



Figure 8

8. From underneath the truck, use an 18mm socket wrench to remove the three (3) mounting nuts from both sides of the trucks frame horns. Figure 9

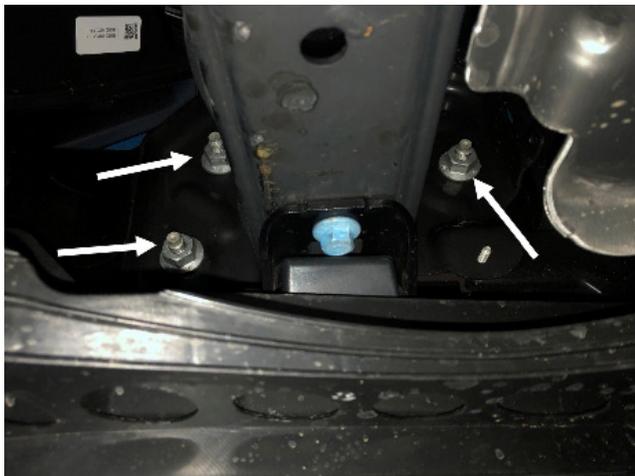


Figure 9

9. If you intend to install a winch or 30" light bar you will need to remove the front air dam skirt from the lower louver system. Use a body pry tool to disconnect the clips long the air dam boarder. Figure 10



Figure 10

10. Use an 8mm socket wrench to remove the four bolts holding the lower louver system to the frame. Use a cutting tool to trim the front face off of the louver system. Reinstall the louver system onto the frame again. Figure 11-12



Figure 11



Figure 12

11. With the OEM bumper removed: Remove the mount plates, fog light bracket brackets and wing structure to access the wiring harness and sensor housings. Carefully remove the sensor from their housings by gently pushing the housing clips outward while pushing the sensor out of the bumper. Figure 13



Figure 13

**12. Remove and label the sensor housings by compressing the locking clips and pushing the housing of the bumper shell. Figure 14**



*Figure 14*

**13. If your truck is equipped with Adaptive Cruise Control (ACC) remove the sensor from the OEM bumper and set aside for later install.**

**14. Use an 18mm socket wrench to remove the two (2) bolts holding the tow hooks onto the frame. Remove the tow hooks from the truck. Figure 15**



*Figure 15*

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15. If your truck is equipped with ACC: remove the ACC sensor from its bracket. Trim the bracket at the line shown below. Reattach the ACC sensor to the trimmed bracket. Figure 16-17



Figure 16



Figure 17

16. Take the sensor housings removed during step 7 and install them into their respective holes making sure to put the correct housing back into its OEM location. Figure 18



Figure 18

17. Run the wire harness through the bumper making sure to keep the plug on the passenger side. Carefully install each sensor into its respective housings. Use the provided epoxy packs to secure the housings and sensors in place.

18. Cut and drill the provided plastic sheet to cover the ACC sensor hole using the 1/4" stainless steel button head bolts with flat washers and lock nuts (50281-HW). Figure 19

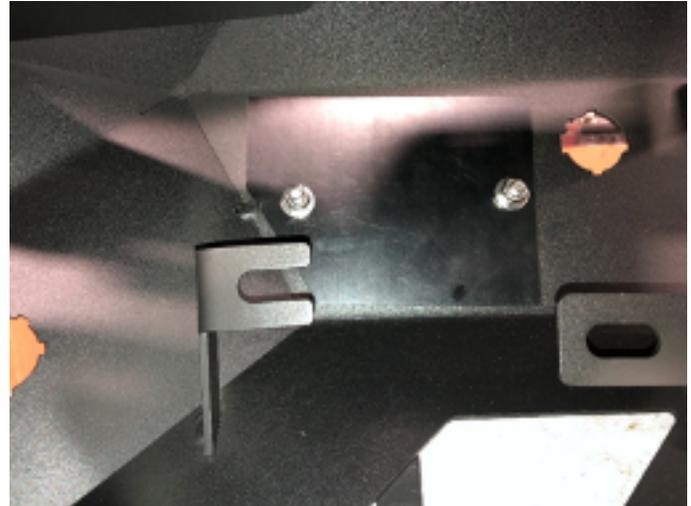


Figure 19

19. Install the mounting brackets (22447 and 22448) into the bumper and use a 1/2"-13 bolt, flat/lock washers and a nut on the lower hole to hold it in place (50281-HW). Leave the bolt loosely installed so that the bracket can be manipulated later in the install. Figure 20



Figure 20

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20. Place the ACC sensor on the sensor mounts and use the provided 5/16" yellow zinc hex head bolts with flat/lock washers and nuts to secure it in place (50281-HW). Figure 21

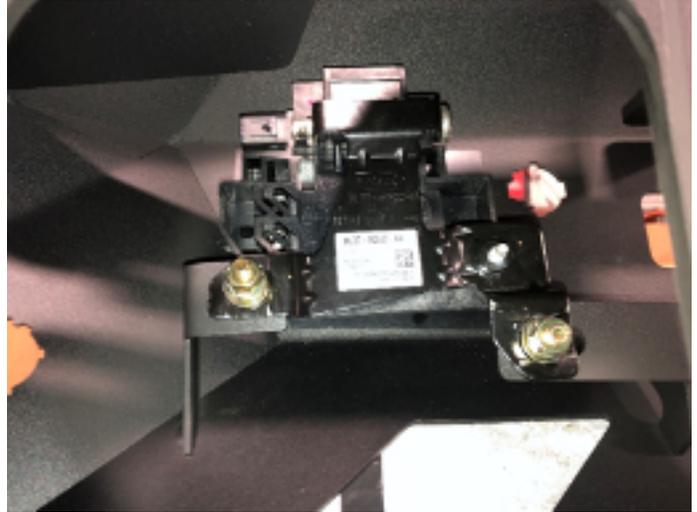


Figure 21

21. If installing the OEM fog light from your OEM bumper: Trim the lower fog light mounting points as shown. Figure 22



Figure 22

22. Install the OEM fog light in the bumper now using the provided 5/16" bolts, flat/lock washers and nuts (50281-HW).  
Figure 23



Figure 23

23. Install the grill insert into the grill using the provided 5/16" bolts, fender washers and lock washers (50281-HW). Leave the hardware loosely installed until the mesh is in. Figure 24



Figure 24

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24. Install the mesh into the grill using the 3/8" yellow zinc bolt, flat washers and lock washers (50281-HW). Center the grill insert and mesh and fully tighten the mounting hardware. Figure 25

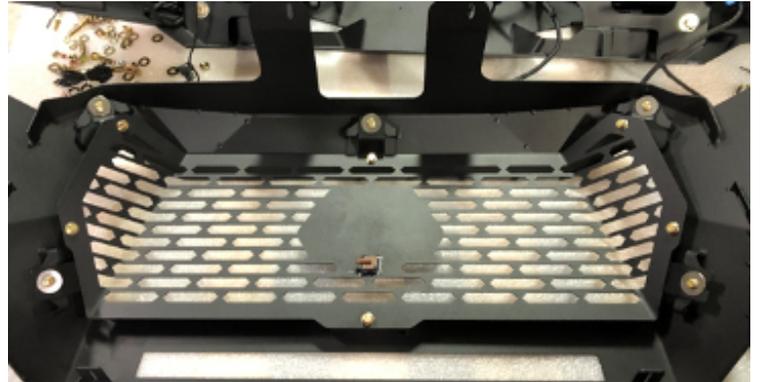


Figure 25

25. Install the camera removed in step 7 into the grill mesh using the provided epoxy packets. Figure 26



Figure 26

26. With assistance, hold the bumper up to the frame and use the 1/2"-13 yellow zinc bolts, flat/lock washers and nuts to attach it to the frame (50281-HW). Figure 27

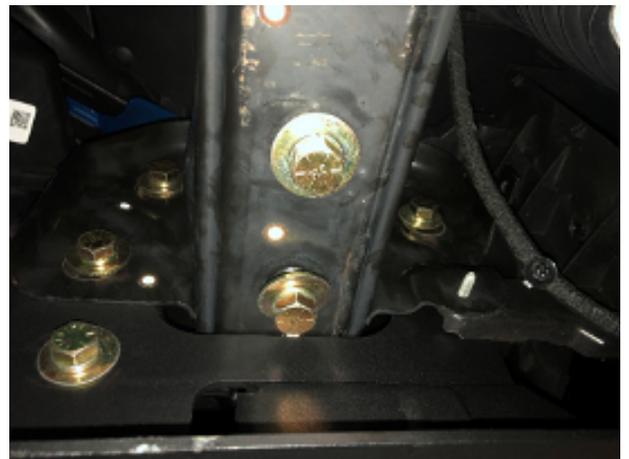


Figure 27

27. With the grill still off, plug in the sensor harness and lower louver system.

28. Place the grill on the truck and use 4 of the 3/8" yellow zinc bolts, flat and lock washers to attach it to the lower mounting (50281-HW). Figure 28



Figure 28

29. Use the two 1/4" yellow zinc bolts with flat/lock washers and nuts to attach the top section of the grill to the engine bay (50281-HW). Figure 29

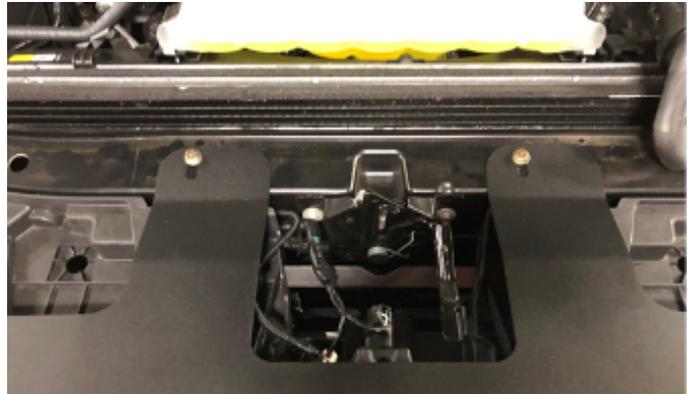


Figure 29

30. Use the two 7/16" stainless steel button head bolts with flat and lock washers and nuts to fasten the center of the grill to the bumper (50281-HW). Figure 30

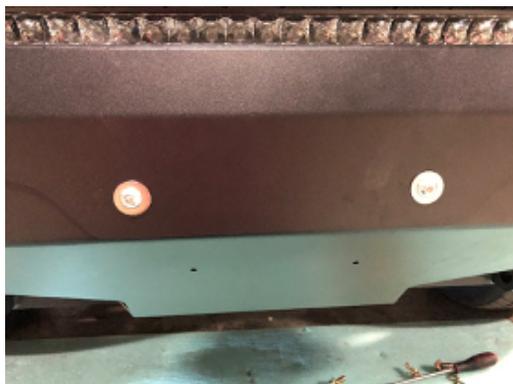


Figure 30

31. Position the grill and bumper as desired and fully 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**

