



INSTALLATION MANUAL
PREMIUM REAR BUMPER
PRODUCT NUMBER: W6951
APPLICATION: 2026 DODGE RAM 1500



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.



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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



23530 – RAM 1500 PREMIUM REAR SHELL



21843 – PASSENGER SIDE
MOUNTING BRACKET
AND GUSSET



21844 – DRIVER'S SIDE
MOUNTING BRACKET
AND GUSSET



23532 – PASSENGER SIDE
TAG LIGHT BRACKET



23531 – DRIVER'S SIDE
TAG LIGHT BRACKET



23557 – PASSENGER'S
SIDE BSM BRACKET



23563 – DRIVER'S SIDE
BSM BRACKET

61784 – PLASTIC SHEET
QTY:2

61733 – FOAM SHEET

61632 – EPOXY PACKETS
QTY: 2

REQUIRED TOOLS

- PLASTIC PANEL PRY TOOL
- FLAT HEAD SCREW DRIVER
- 5/8" SOCKET WRENCH
- 11/16" DEEP SOCKET WRENCH
- 3/4" SOCKET WRENCH
- 7MM SOCKET WRENCH
- 9MM SOCKET WRENCH
- 10MM SOCKET WRENCH
- 15MM SOCKET WRENCH
- 16MM SOCKET WRENCH
- 3/32" ALLEN WRENCH
- RUBBER Mallet
- ZIP-TIES
- RECONNECT THE WIRING HARNESS

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 | 50538-HW

IDENTIFICATION NUMBER	COMPONENT DESCRIPTION	QTY
50538-HW	#8-32 STAINLESS STEEL FLAT WASHERS	4
50538-HW	#8-32 NYLOCK HEX NUT	4
50538-HW	#8-32 STAINLESS STEEL BOLT	4
50538-HW	SNAP-IN ROUND PLUGS	6
50538-HW	LICENSE PLATE NUT, NYLON	2
50538-HW	7/16"-14 BOLT YELLOW ZINC STEEL	4
50538-HW	7/16"-14 HEX NUT YELLOW ZINC STEEL	4
50538-HW	7/16"-14 LOCK WASHER YELLOW ZINC STEEL	4
50538-HW	7/16"-14 FLAT WASHER YELLOW ZINC STEEL	8
50538-HW	1/2"-13 BOLT YELLOW ZINC STEEL	2
50538-HW	1/2" LOCK WASHER YELLOW ZINC STEEL	2
50538-HW	1/2" FLAT WASHER YELLOW ZINC STEEL	4
50538-HW	1/2"-13 NUT YELLOW ZINC STEEL	2
50538-HW	1/4"-20 X 0.75" HEX CAP SCREW YELLOW ZINC	8
50538-HW	1/4"-20 HEX NUT YELLOW ZINC STEEL	8
50538-HW	1/4" X 0.625" YELLOW ZINC STEEL FLAT WASHER	16
50538-HW	1/4" SPLIT LOCK WASHER YELLOW ZINC STEEL	4
50538-HW	10-24 X 3/4" BLACK 18/8 STAINLESS STEEL BUTTON HEAD SCREW	4
50538-HW	10-24 18/8 STAINLESS STEEL SCREW NUT	4
50538-HW	#10 18/8 STAINLESS STEEL FLAT WASHER	4
50538-HW	LOCTITE 0.5ML THREAD LOCKER	1

OEM DISASSEMBLY

1. Using the appropriate screwdriver or socket, remove the license plate.
2. Using a 15mm socket wrench, remove the two (2) bolts behind the license plate (Figure 1).

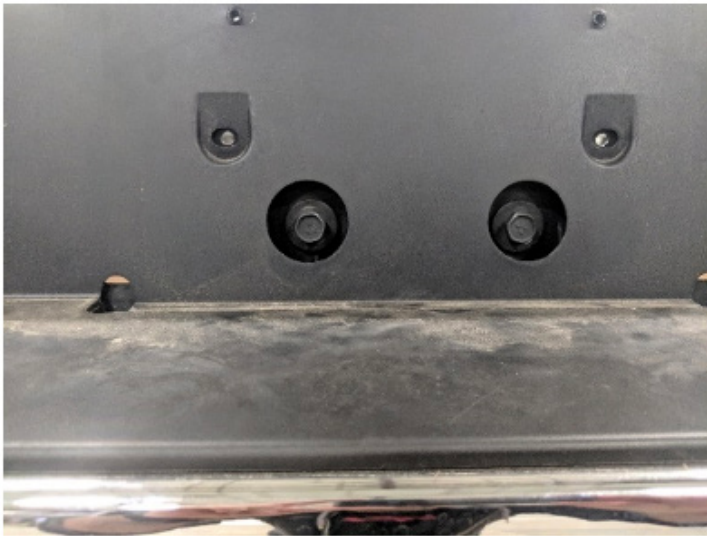


Figure 1

3. Disconnect the rear bumper wiring harness at the quick disconnect by pulling out on the yellow lock tab (Figure 2) and extracting the red lock bar from the housing (Figure 3).



Figure 2



Figure 3

4. Using a plastic panel pry panel tool, remove the wiring harness. (Figure 4)



Figure 4

5. With assistance, hold the bumper securely to the frame rail. Using a 13mm socket wrench, remove the four (4) OEM bumper nuts. (Figure 5)



Figure 5

6. Remove the factory bumper and set aside for extraction of license plate lights, sensors, trailer plug, and keyless entry module

NOTE: The 2026 Dodge Ram may have six (6), four (4), or no sensors in the rear bumper. This manual shows the four sensor configuration for illustration purposes but your specific installation may vary.

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7. Disconnect the factory wiring harness from parking sensors, license plate lights, trailer plug.
 8. Using a 10mm socket, remove the two (2) factory license plate lights and set aside. (Figure 6).



Figure 6

9. To remove the 2 Blind Spot Monitoring (BSM) sensors, start by removing the 4x push pins holding the plastic cover. Figure 7.



Figure 7

10. Remove the BSM sensors from the bumper by pulling the grey clip out and sliding the sensor out of its housing. Figure 8.



Figure 8

11. Remove the keyless entry sensor from behind the license plate using a 7mm socket wrench. Remove all parking sensors from the OEM bumper carefully and set aside for later install.

NOTE: Sensors are extremely delicate and must be handled with care! Do not push on face of sensors to remove!

12. Remove the trailer plug by compressing the two (2) chrome spring tabs and extracting the plug from the bumper shell. (Figure 9)



Figure 9

FAB FOURS BUMPER ASSEMBLY

13. Use the provide cut and drill template (pg. 21) to mark and drill the plastic sensor cover sheets (61784).

NOTE: Print the template out and ensure measurements given are accurate before cutting. Figure 10.

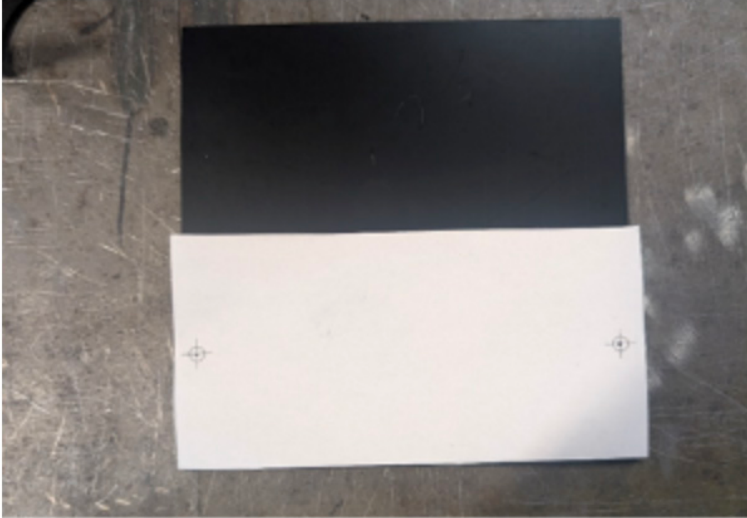


Figure 10

14. Use 2x of the provided black button head hardware with washers and nuts to install the plastic sheets from step 13. Figure 11.



Figure 11

15. Cut small pieces from the provided foam sheet (61733) and place them on the top and bottom of the BSM sensor mounts. Place foam on the BSM Brackets provided (23556 and 23558). Figure 12-13.

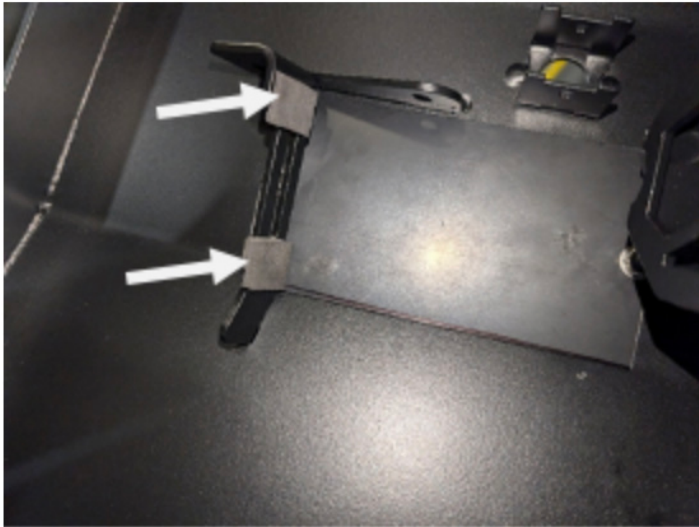


Figure 12

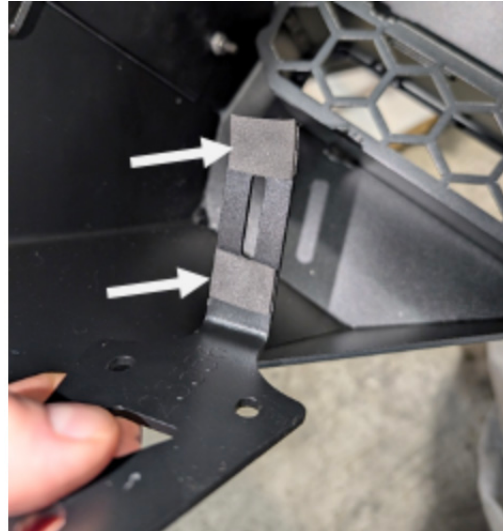


Figure 13

16. Run the wiring harness through the Fab Fours rear bumper making sure to have the harness plug by the driver side mount. (Figure 14)



Figure 14

-
17. Place the BSM sensors between the mount and brackets from step 15 and use the provided $\frac{1}{4}$ " hex head bolts with washers and nuts to fasten the brackets in place. Figure 15.

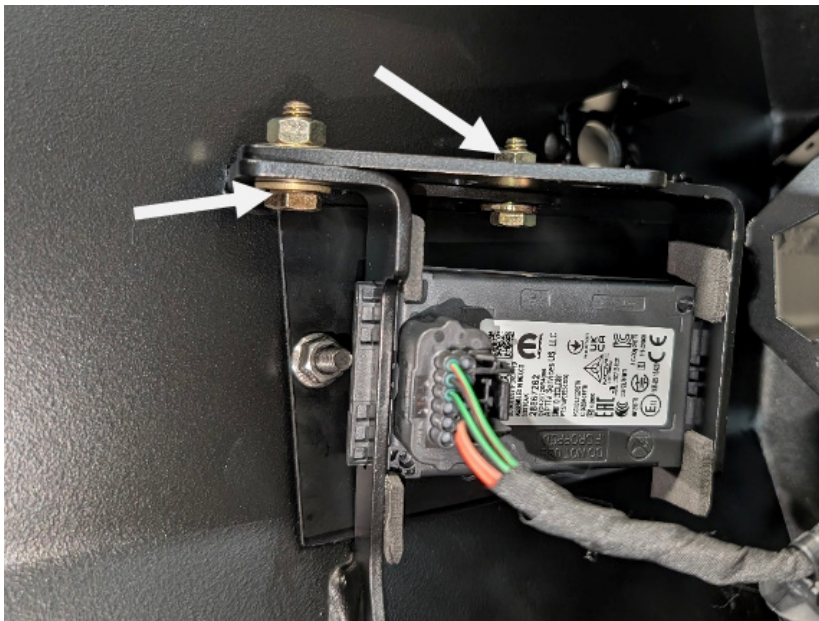


Figure 15

18. Using a flat head screwdriver, slightly bend out the side tabs on all sensor cups to allow for easy insertion and minimize possible damage to sensor (Figure 16).



Figure 16

19. Carefully place the sensors into the sensor clips and use a pair of needle nose pliers to close the clip around the sensors. Inspect each sensor front and back after install to insure that it is fully seated in the clip and that the rubber grommet that surrounds the sensor face is not wrinkled. Figure 17-19.

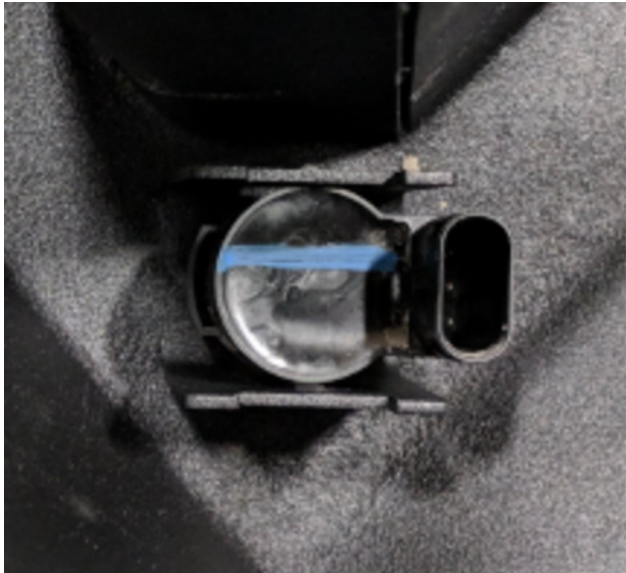


Figure 17



Figure 18



Figure 19

NOTE: The rubber seat of the sensor must not be pinched or distorted in any way for proper sensor installation. Failure to use the rubber seat or pinching of the sensor may result in false readings or non-responsive sensors. Figure 19 shows a slight pinch that should be adjusted out before proceeding.

NOTE: If your OEM bumper doesn't have all six sensors, then install the provided black plastic plugs in the unused sensor holes.

20. Using a rubber mallet, align the plastic plug and hammer handle square with the sensor hole (50538-HW). (Figure 20)



Figure 20

21. Firmly slap the hammer head with your hand to seat the plastic plug in the hole. (Figure 21)



Figure 21

NOTE: To ensure that the harness is safely stored away from the truck's exhaust, it is recommended that it be zip tied to inside shell of the bumper on each side. (Figure 22)



Figure 22

22. Install the tag light brackets (23531) and (23532) into the bumper using the $\frac{1}{4}$ " hex head bolts with washers and nuts. Leave loosely install until the tag light is attached. (Figure 23)

23. While the tag light brackets are loose, attach the tag lights to the top of the brackets and use a 10mm socket to fasten them with their OEM bolts. Hold the tag light firmly in position and tighten down the $\frac{1}{4}$ " bracket bolts to fasten them in place. (Figure 23)

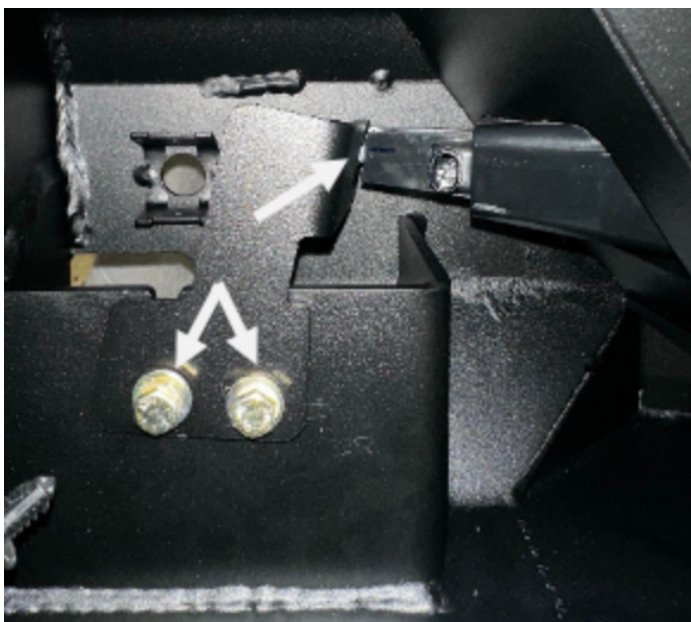


Figure 23

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24. Install the trailer plug into the bumper using a flat head screwdriver to help engage the clips. (Figure 24)



Figure 24

25. Make sure all sensors, trailer plug, and tag lights are plugged into the rear harness.
26. Zip tie or secure the keyless entry module to the frame located right behind where the license plate mounts. (Figure 25)



Figure 25

27. Using a 3/4" socket wrench, install the provided mounting brackets (21843 and 21844) onto frame rails with the provided two (2) 1/2" yellow zinc bolts with two flat washers, lock washer and nuts (50538-HW). (Figure 26)



Figure 26

28. With assistance, hold the bumper up to the mounting brackets and use the 4x 7/16"-14 hex head bolts with washers and nuts to fasten the bumper in place. Adjust bumper as desired and fully tighten all mounting hardware. (Figure 27, 28)

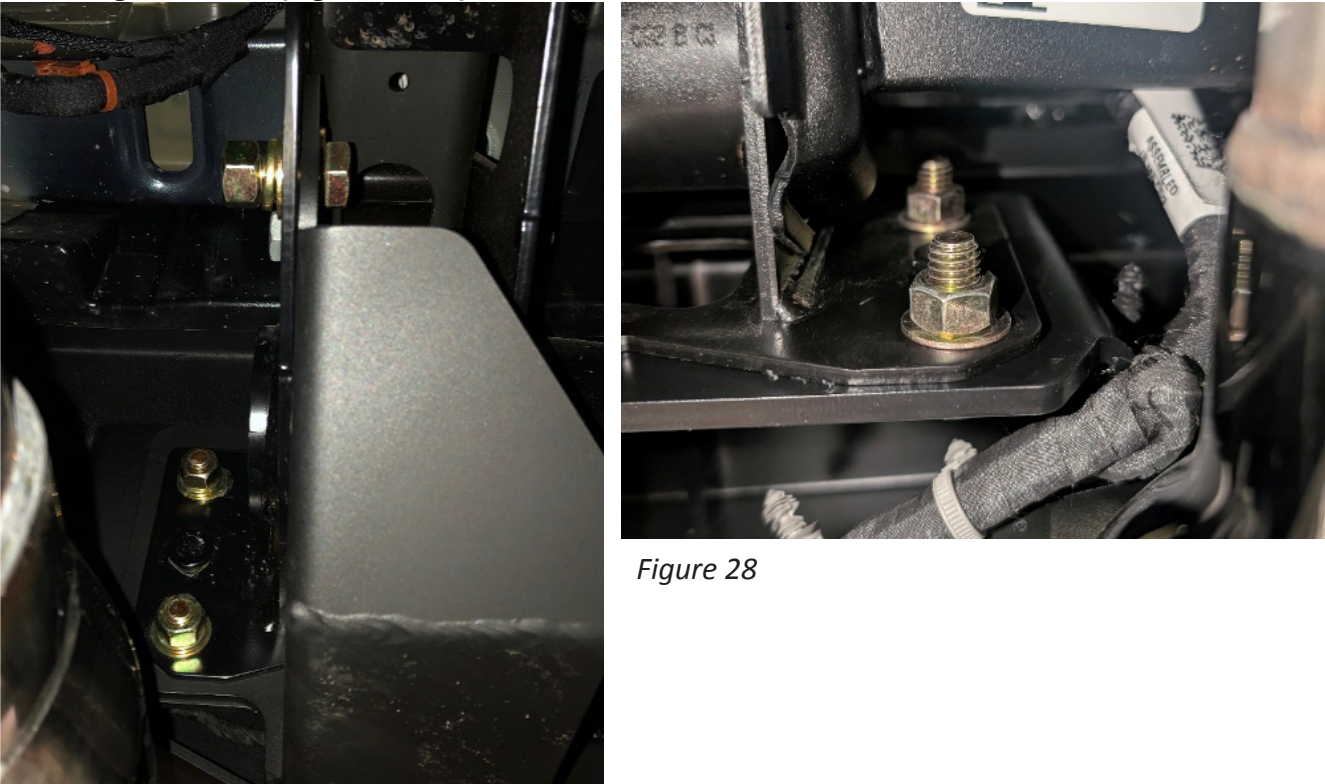


Figure 28

Figure 27

29. Reconnect the wiring harness to plug attached to the truck.

30. Insert the provided two (2) nylon license plate nut inserts into the two holes on the bumper (50538-HW).

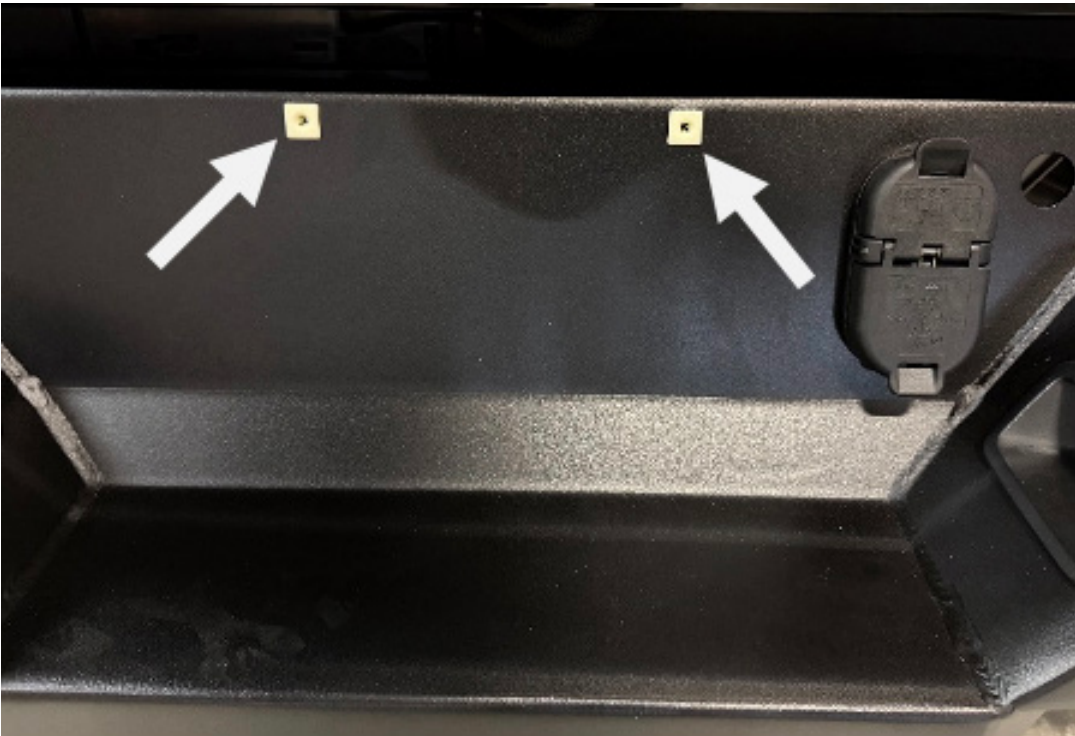
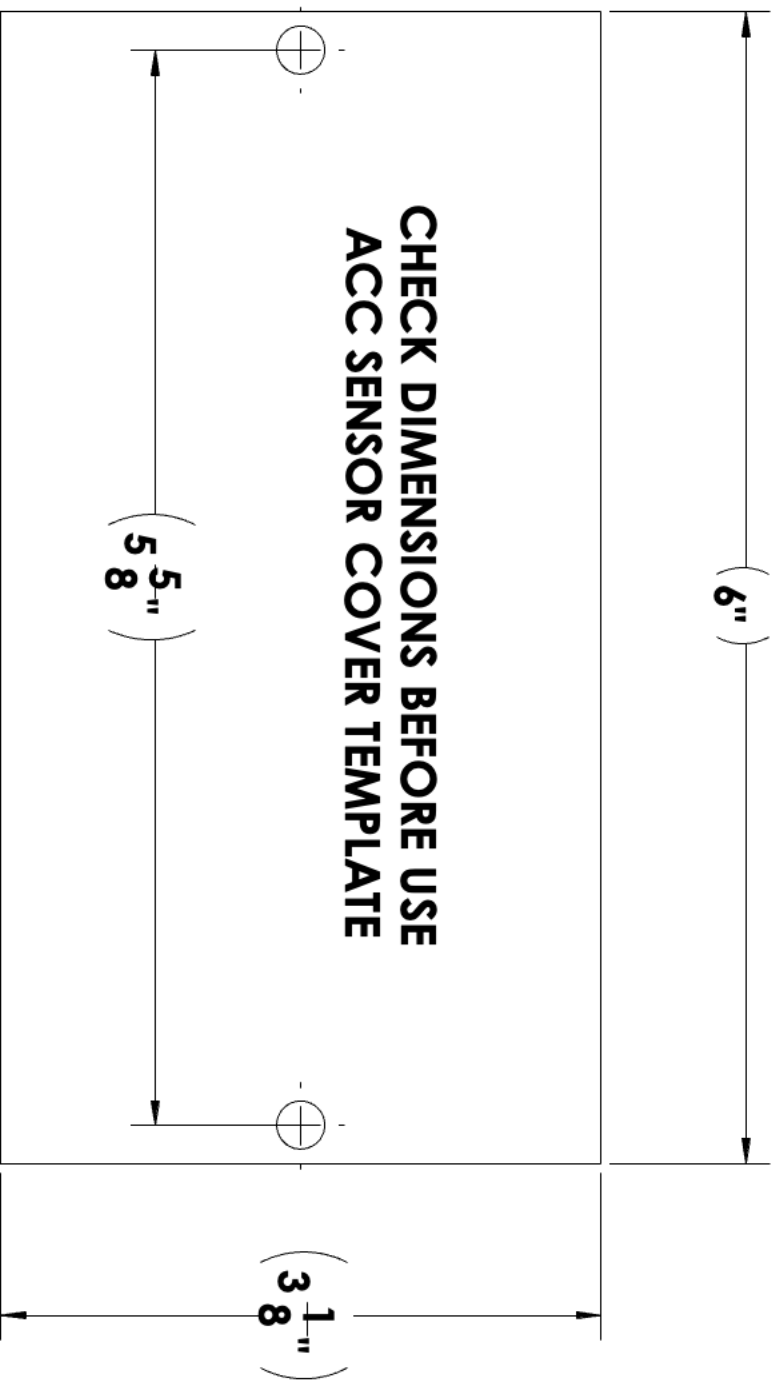


Figure 29



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

