



INSTALLATION MANUAL
MATRIX FRONT BUMPER
PRODUCT NUMBER: X585X
APPLICATION: 2023 GMC 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

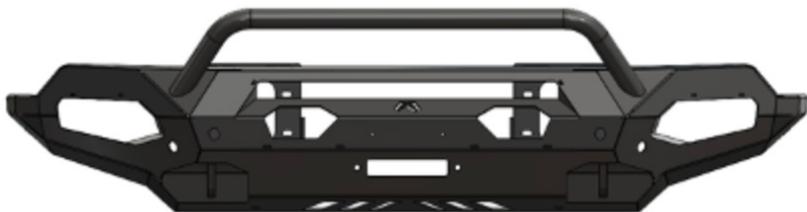
FOUNDER, FAB FOURS

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



23027 - BUMPER SHELL



22985
QTY: 1



21871-10
QTY: 2



22838
QTY: 1



22839
QTY: 1



TOOLS REQUIRED

- T15 TORX
- PANEL PRY TOOL
- 7MM SOCKET WRENCH
- 10MM SOCKET WRENCH
- 13MM SOCKET WRENCH
- 15MM SOCKET WRENCH
- 18MM SOCKET WRENCH
- 7/16" SOCKET AND COMBINATION WRENCH
- 1/2" SOCKET AND COMBINATION WRENCH
- 3/4" SOCKET AND COMBINATION 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.

HARDWARE KIT | 50358-HW

IDENTIFICATION NUMBER	COMPONENT DESCRIPTION	QTY
50358-HW	1/2"-13 X 1.25", YELLOW-ZINC, GRADE 8, HEX HEAD CAP SCREW	12
50358-HW	1/2", SAE, YELLOW-ZINC, GRADE 8, LOCK WASHER	16
50358-HW	1/2", SAE, YELLOW-ZINC, GRADE 8, FLAT WASHER	24
50358-HW	1/2"-13, YELLOW-ZINC, GRADE 8, HEX NUT	8
50358-HW	1/2"-13 X 4", YELLOW-ZINC, GRADE 8, HEX HEAD CAP SCREW	4
50358-HW	1/4"-20 X 1", YELLOW-ZINC, GRADE 8, HEX HEAD CAP SCREW	2
50358-HW	1/4"-20, YELLOW-ZINC, GRADE 8, HEX NUT	2
50358-HW	1/4"-SAE, YELLOW-ZINC, GRADE 8, FLAT WASHER	4
50358-HW	1/4"-SAE, YELLOW-ZINC, GRADE 8, LOCK WASHER	2
50358-HW	5/16"-18X 1.0", YELLOW-ZINC, GRADE 8, HEX HEAD CAP SCREW	4
50358-HW	5/16", YELLOW-ZINC, GRADE 8, LOCK WASHER	4
50358-HW	5/16", YELLOW-ZINC, GRADE 8, FLAT WASHER	4

INSTALLATION

1. Using a T15 Torx bit remove the two (2) screws in the hood latch handle to remove it. Figure 1

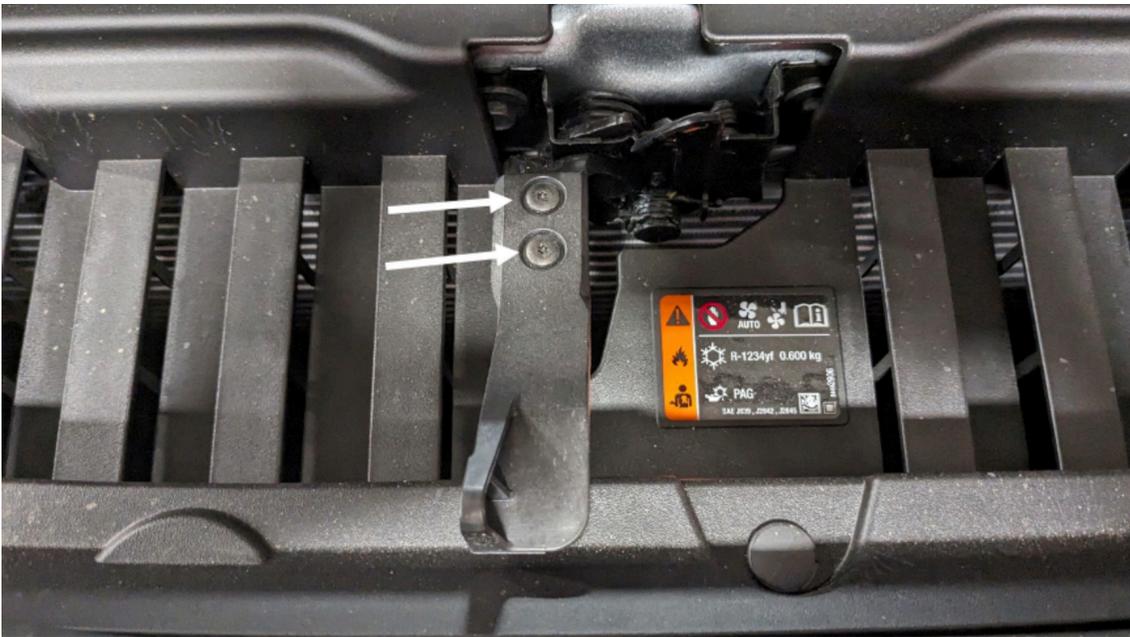


Figure 1

2. Using a panel pry tool, remove the nine (9) push pins in the under-hood cowl to remove it. Figure 2

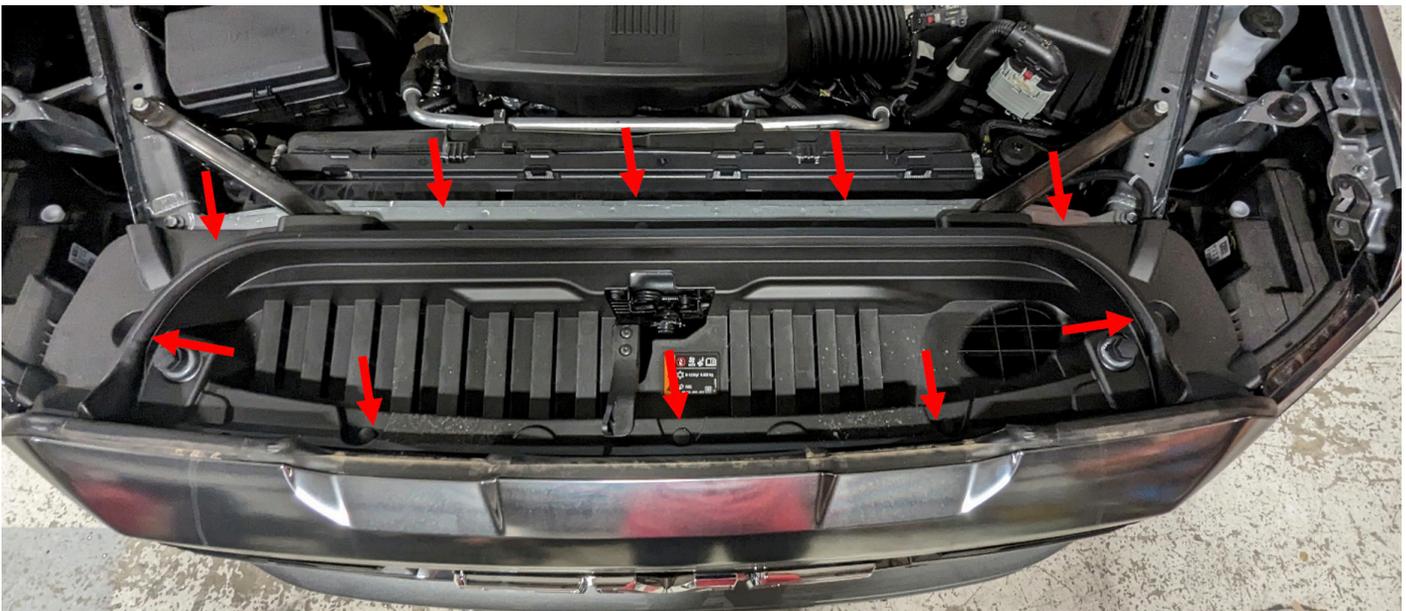


Figure 2

3. Using a 10mm, remove the four (4) screws across the top of the grille. Figure 3



Figure 3

4. Using a T15 Torx, remove the six (6) lowest forward most screws in each front inner fender. Figure 4

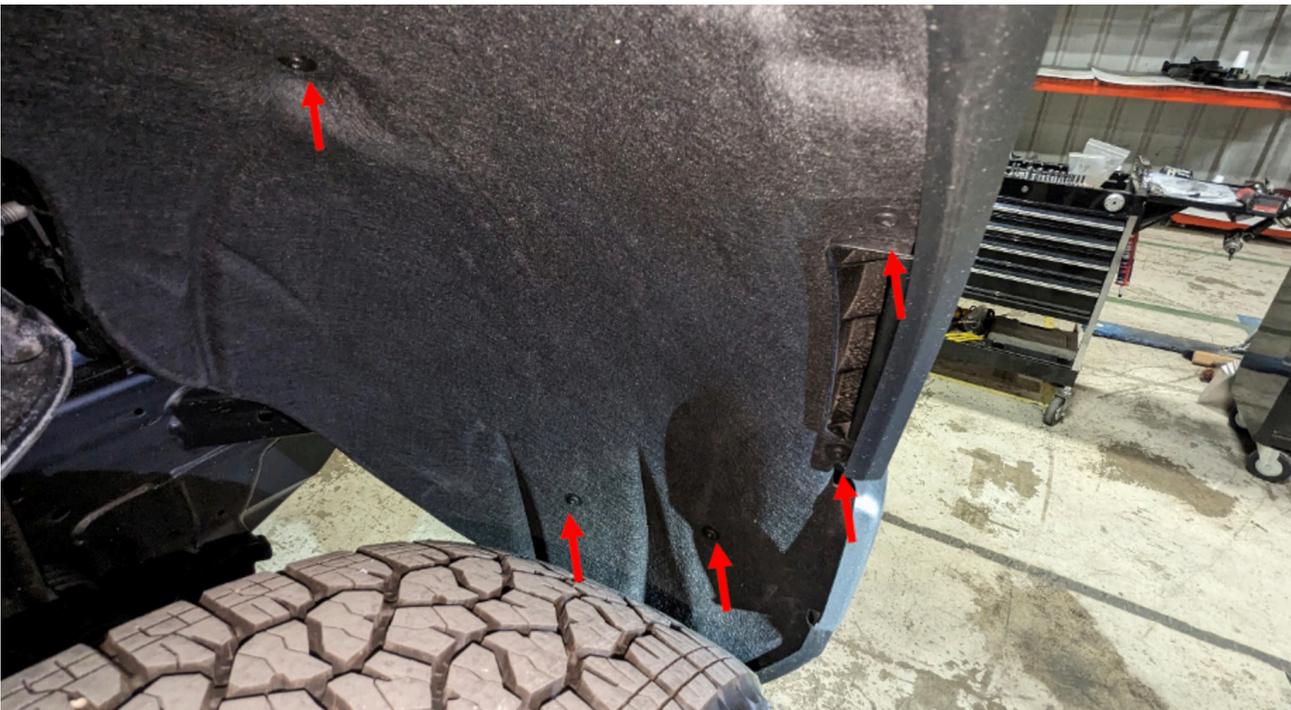


Figure 4

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5. Starting from the front edge of the fender flares, pull outward to detach them from the vehicle past the separation line in the fender. Figure 5



Figure 5

6. Using a 7mm socket wrench, remove the screw in the corner of the valance. Figure 6



Figure 6

7. Starting on one side of the vehicle, pull outward on the valence to release the clips which attach it. The seam where the valence meets the fender has six (6) clips, using a panel pry tool you can help release these clips while pulling outward on the valence. Once the seam clips are released there are several other clips along the valence that can be released simply by pulling outward. Figure 7-8

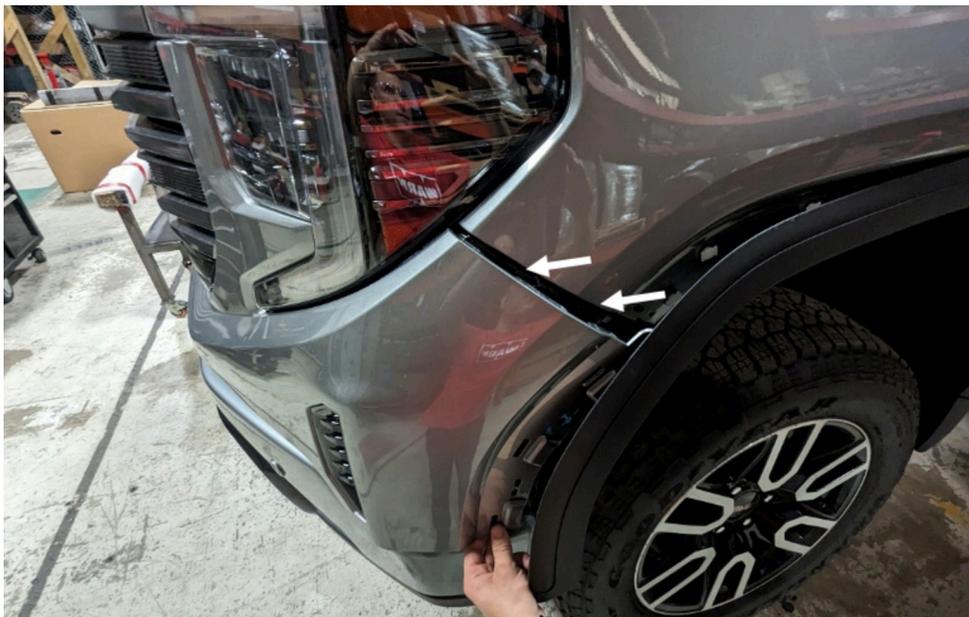


Figure 7

8. Using a 10mm socket wrench, remove the three (3) screws along the bottom of the grille. Figure 8



Figure 8

9. Disconnect the camera wiring and camera washer hose. Figure 9-10



Figure 9

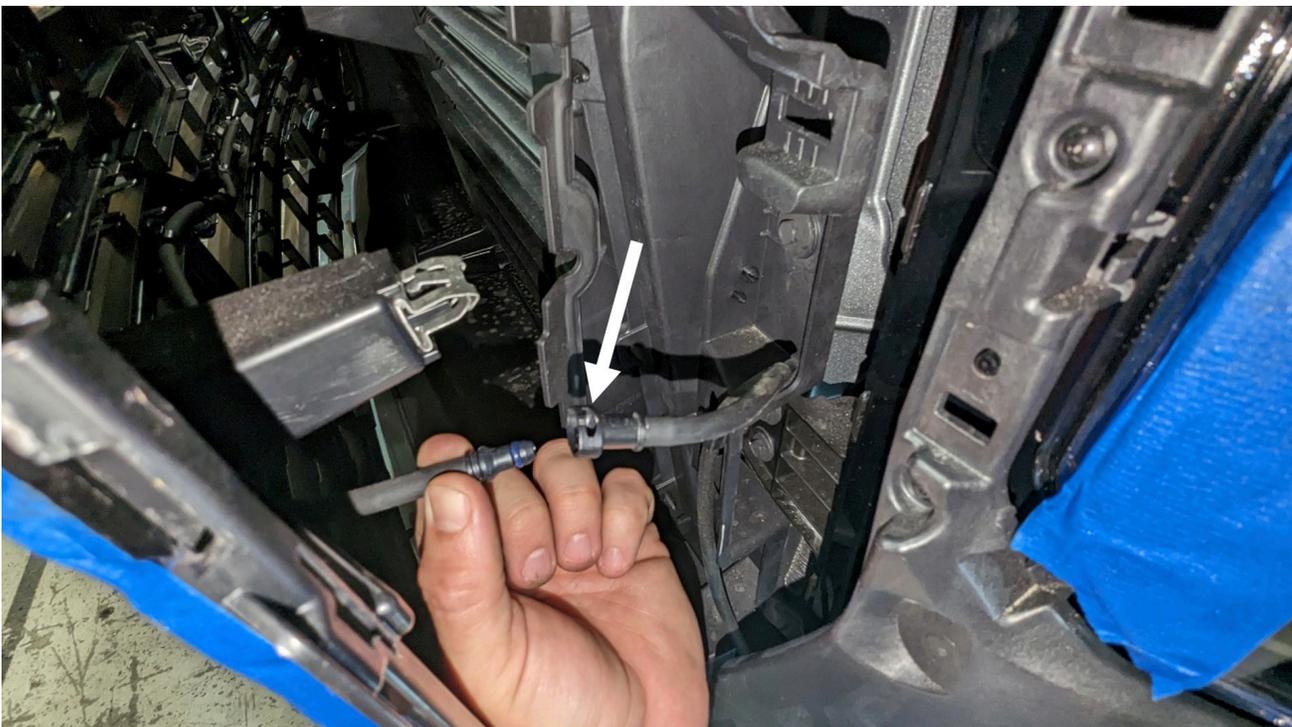


Figure 10

10. The grille can now be removed by pulling outward to release the clips holding it to the vehicle.

11. Using a 10mm socket wrench, remove the nine (9) screws around the perimeter of the upper louvers. Figure 11

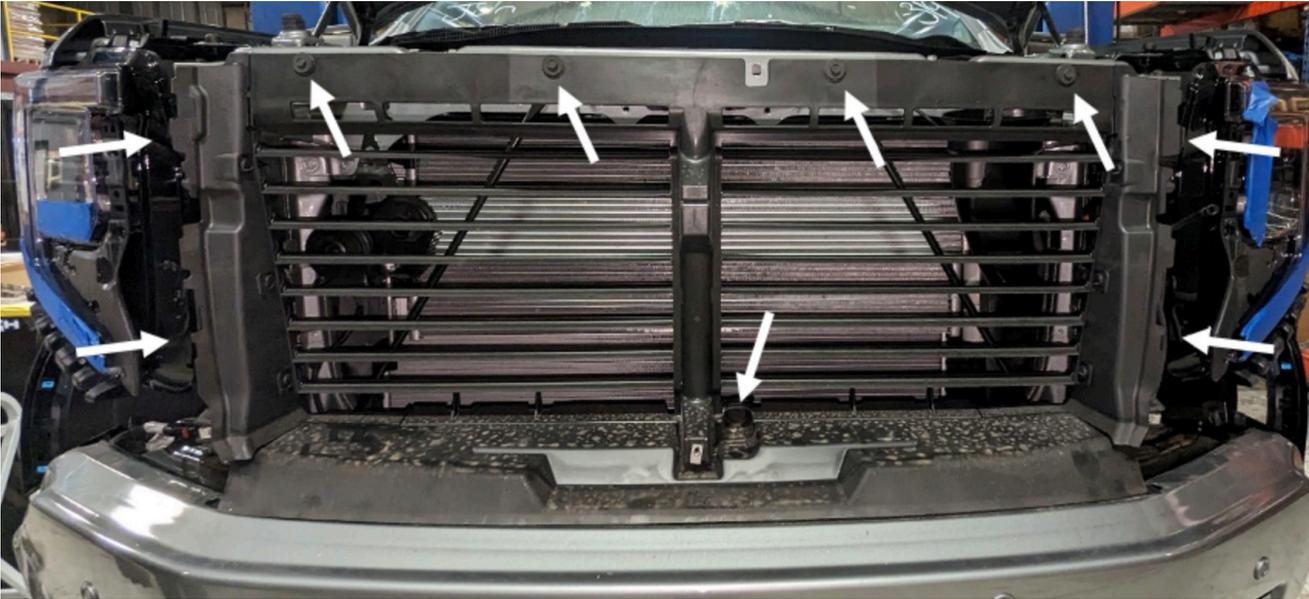


Figure 11

12. Disconnect the upper louver electrical harness and remove the upper louvers from the vehicle. Figure 12

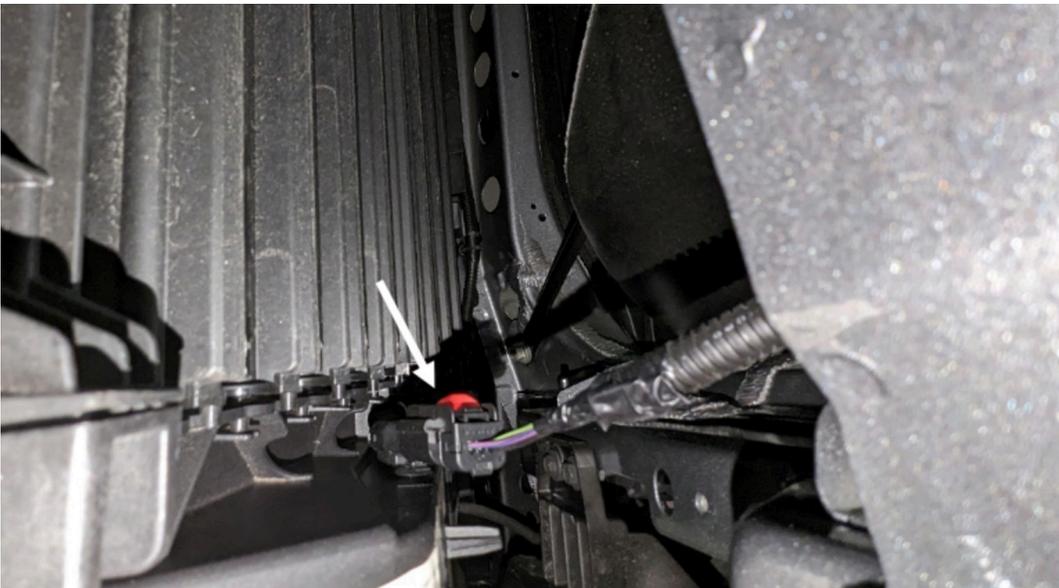


Figure 12

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13. Using an 18mm socket wrench, remove the two (2) bolts on each side of the top of the OEM bumper mounting brackets. Figure 13



Figure 13

14. Using a 10mm socket wrench, remove the four (4) bolts from the plastic shroud under the bumper. Figure 14



Figure 14

14. Using a 15mm socket wrench, remove the three (3) bolts per side holding the bumper supports to the frame and bumper. Figure 15

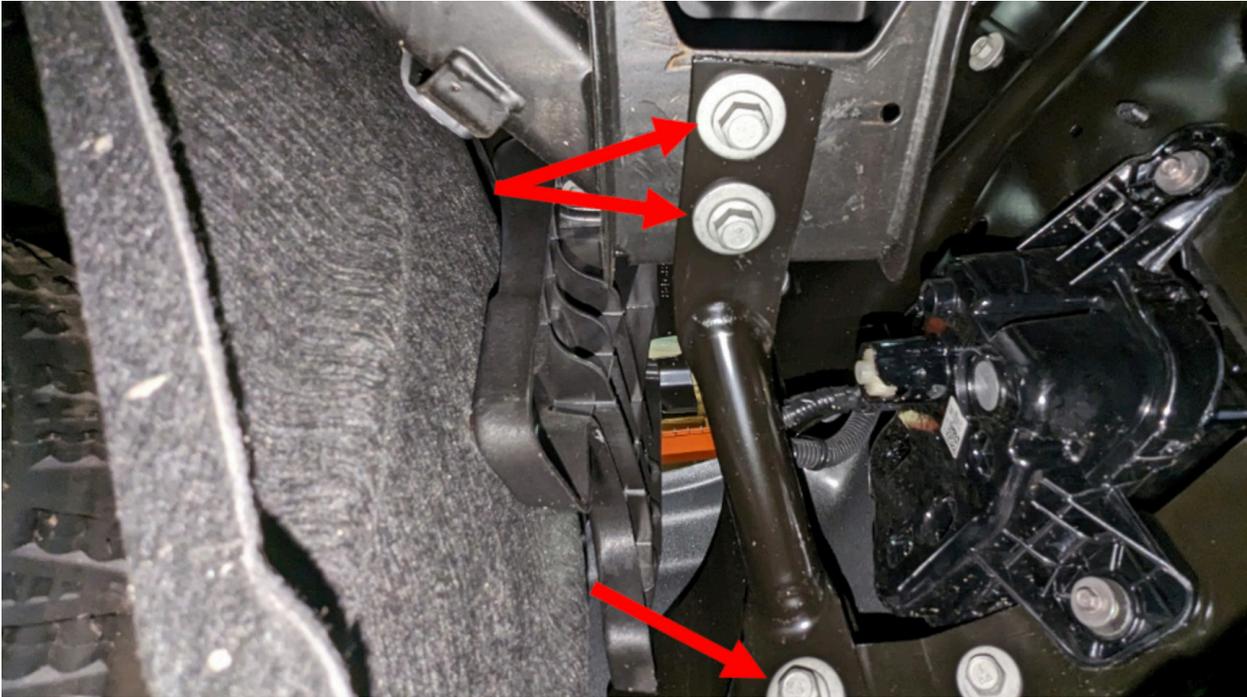


Figure 15

15. Locate bumper wire harness connection on passenger side of truck and disconnect from truck.
16. With assistance, remove OEM bumper from truck.
17. Use body pry tool to remove push pin from plastic tow hook shroud. Figure 16

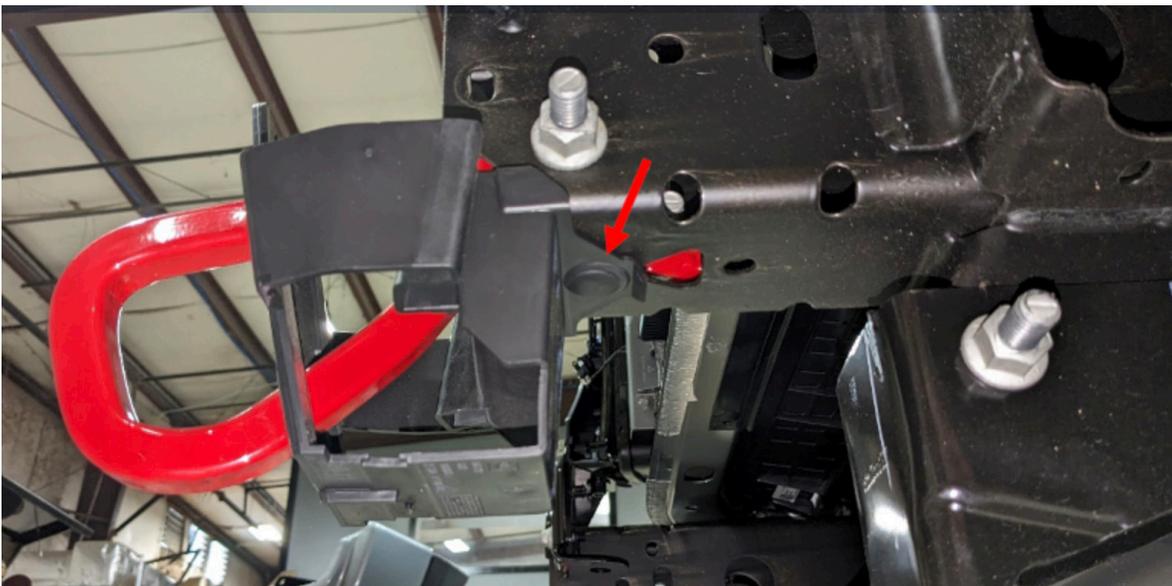


Figure 16

18. Using an 18mm socket wrench and combination wrench, remove the two (2) bolts per side holding the tow hooks to the frame, as well as bolts from lower plate on frame. Figure 17

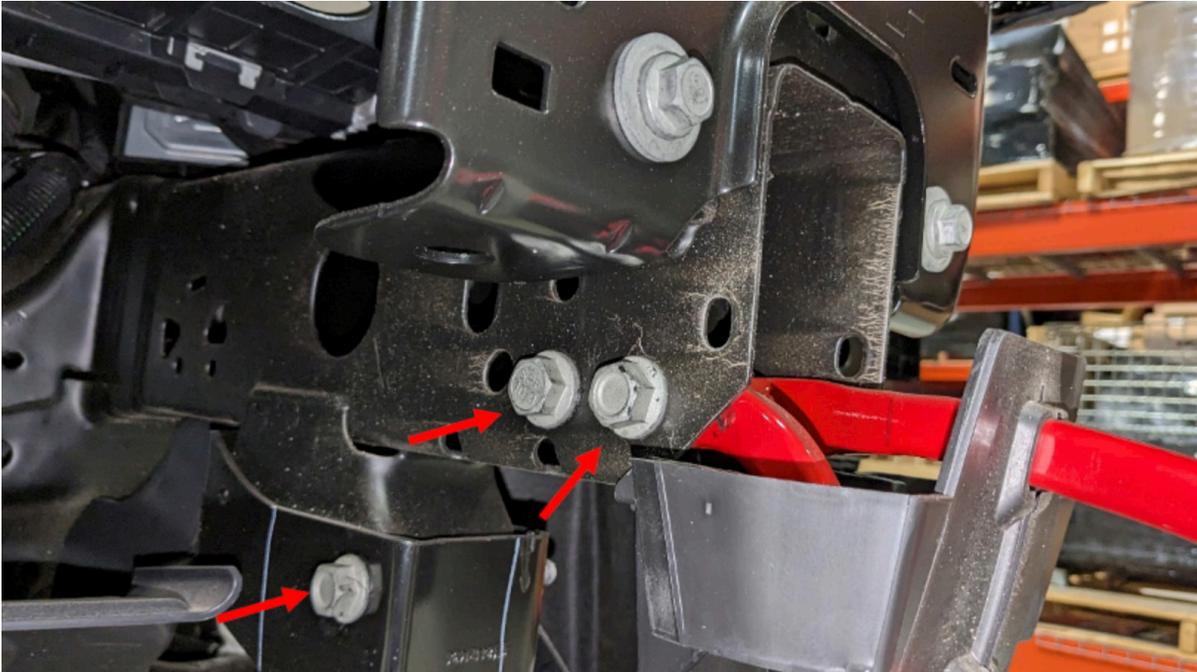


Figure 17

19. Remove three (3) 15mm bolts per side from OEM bumper intermediate brackets to remove brackets from frame. Figure 18.

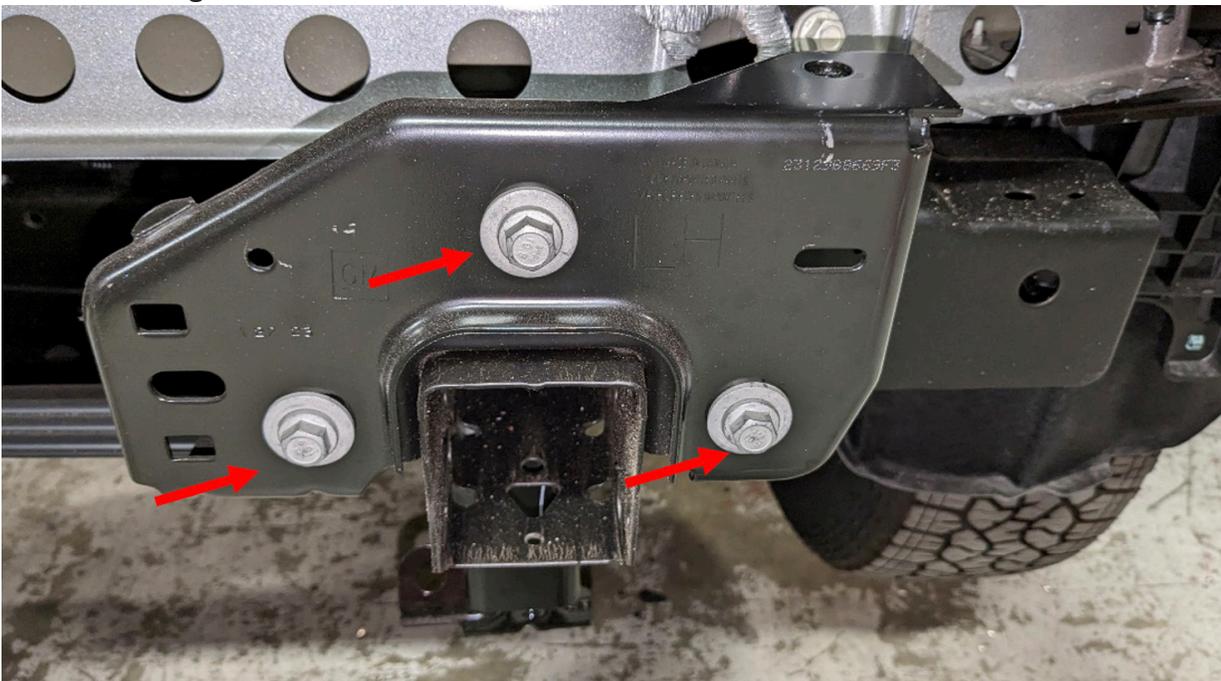


Figure 18

****Note: Steps 20-21 only apply to vehicles with lower louvers. ****

20. Using a panel pry tool, remove the four (4) push pins from the lower louver shroud and the three (3) clips attaching the harness to the vehicle. Then, using a 15mm socket wrench remove the six (6) bolts in the frame horns to release the louvers from the frame. Figure 19

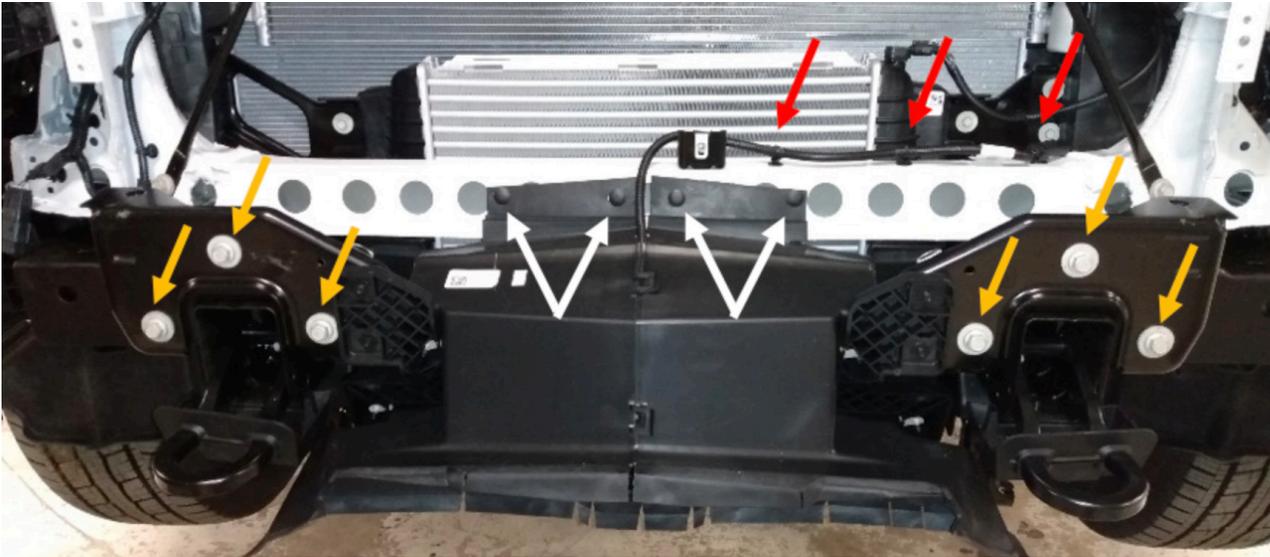


Figure 19

21. Using a 7mm socket wrench, remove the six (6) screws that attach the louvers to the louver shroud. Then, using a panel pry tool remove the clip holding the harness to the louvers. Figures 20-21



Figure 20

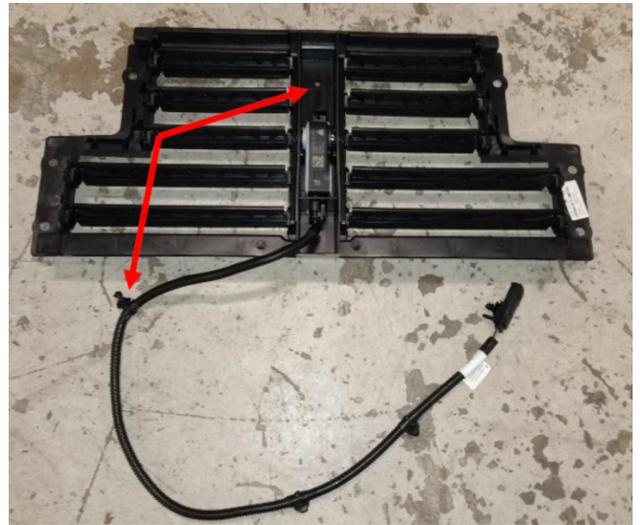


Figure 21

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22. Reinstall the previously removed upper louver set by reversing the steps used to remove it.
 23. Reinstall the previously removed grille by reversing the steps used to remove it.
 24. Reinstall the previously removed valence by reversing the steps used to remove it.
 25. Reinstall the previously removed under hood cowl by reversing the steps used to remove it.
 26. Reinstall the previously removed hood latch handle by reversing the steps used to remove it.
 27. Reinstall the previously removed inner fender hardware by reversing the steps used to remove it.
 28. To gain access to OEM sensors, remove the inner bumper structure by removing nine (9) 13mm bolts per side, and pushing wire harness push pin holders from brackets. Figure 22

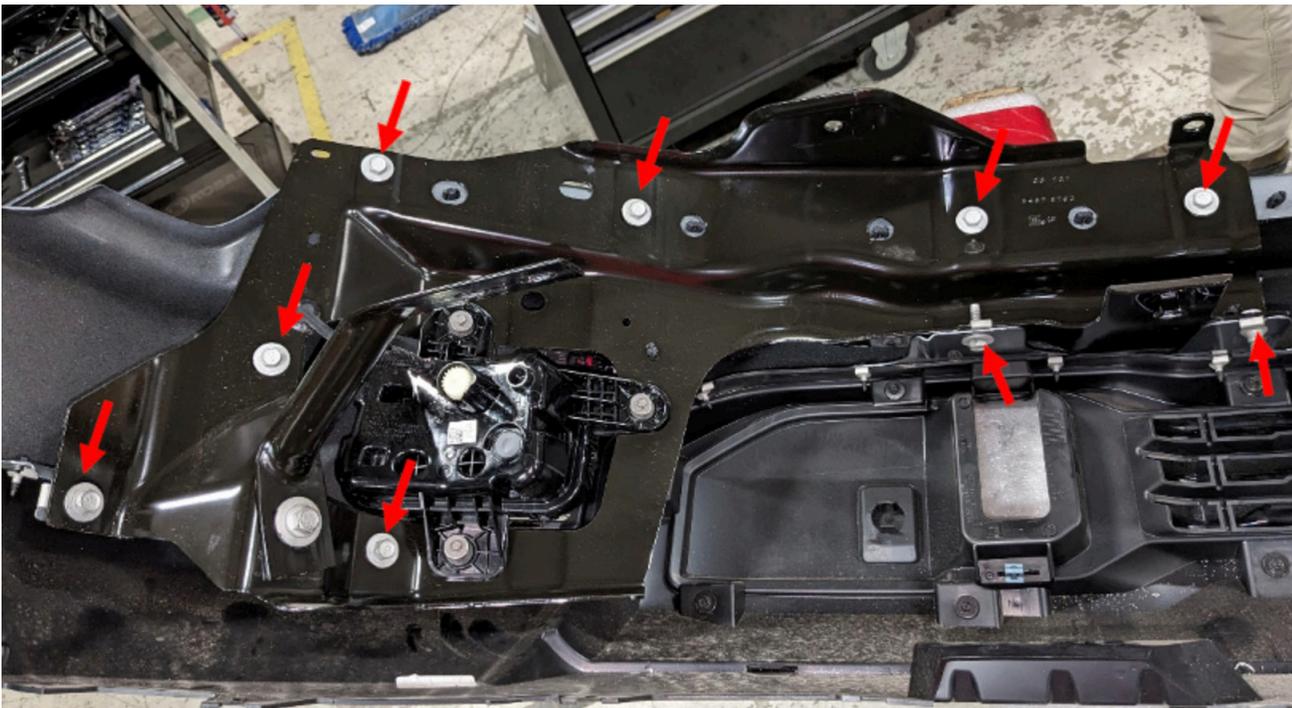


Figure 22

29. Carefully remove sensors from each sensor housing and remove sensor wire harness from bumper. Be sure to note the orientation of wire harness.

30. Remove all four (4) sensor housings from bumper, making note of their location in the bumper (passenger side inner, passenger side outer, etc.) as well as the orientation of each. It may be helpful to put an arrow facing up on each housing before removing.

31. Insert housings into new bumper (23027) in proper location. Using tape temporarily secure housing into bumper. Mix 2-part epoxy and apply to sensor housing to secure into bumper. Figure 23

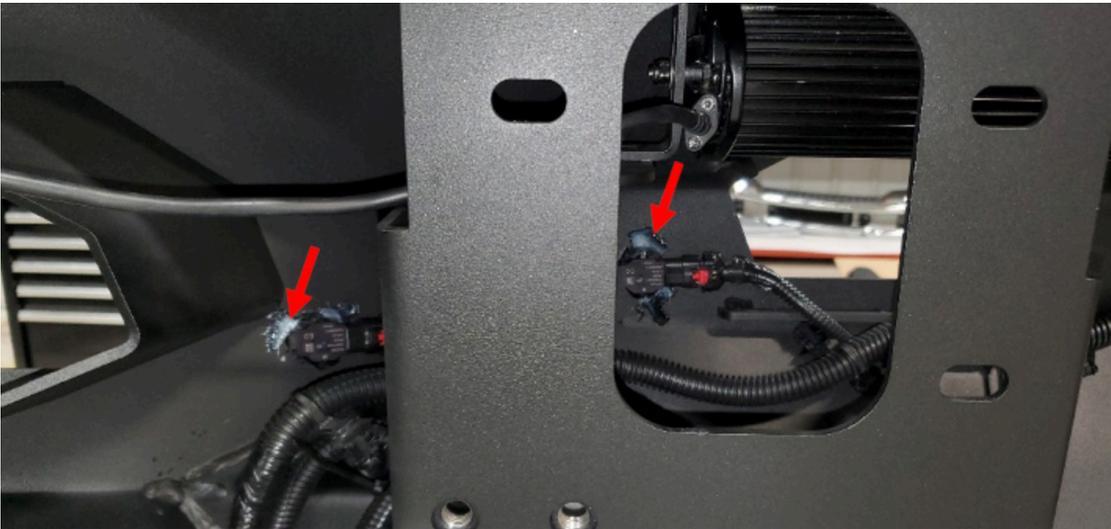


Figure 23

32. Prepare the new bumper (Part#: 23027) for installation by installing lights if desired. Use the two (2) provided L-brackets (Part#: 21871-10) along with the two (2) provided 1/4" screws, flat washers, lock washers, and nuts (50358-HW) to install the 30" lightbar along with manufacture supplied hardware. Figure 24



Figure 24

33. If installing a winch, do so now with the winch manufactures instructions and hardware to the provided winch tray (Part#: 22985). Figure 25



Figure 25

34. Using the four (4) provided 1/2"-13 x 4" bolts, flat washers, lock washers, and nuts, install the provided winch tray (Part#: 22985) and frame gussets (DS Part#: 22838, PS Part#: 22839) through the under-run guards on the bottom of the frame rails. Figure 26

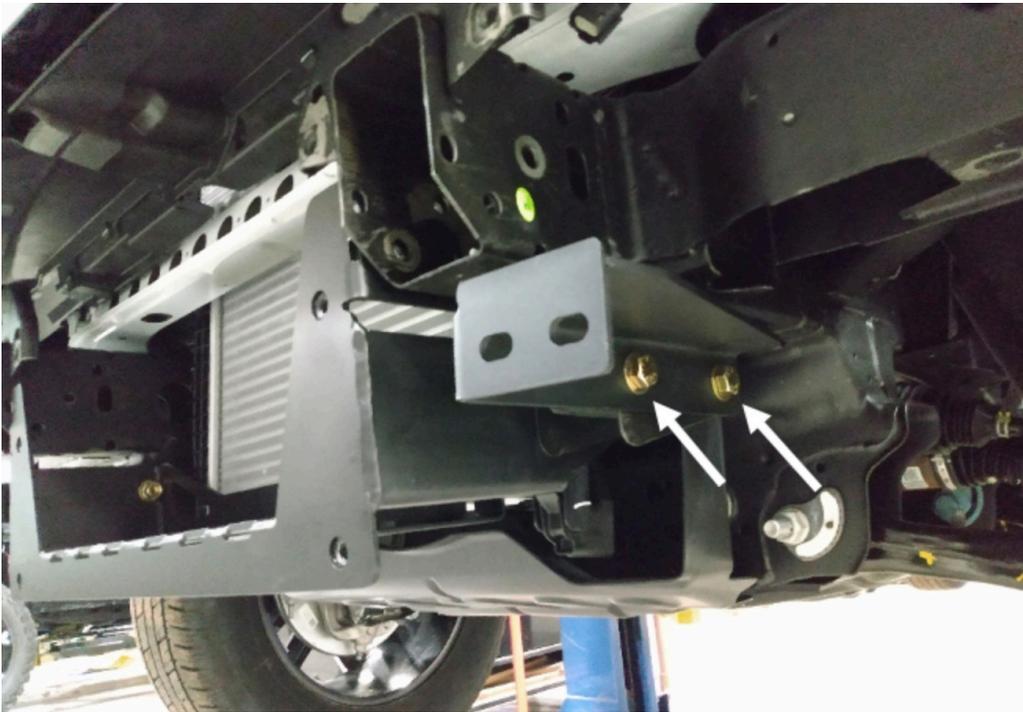


Figure 26

35. Install the four (4) provided 1/2"-13 x 1.25" bolts, flat washers, lock washers, and nuts into the top four (4) holes in the winch tray. Figure 27



Figure 27

36. Ensure that front face of winch tray and mounting face of gussets are flush with OEM frame horns.
37. Use a 3/4" socket and combination wrench to tighten the previously installed 1/2" hardware.
38. Install the lower louver set to the bottom of the winch tray using a 1/2" socket wrench and the four (4) provided 5/16" bolts, flat washers, and lock washers. Then, route the wiring harness in a safe place up to its connector and plug it back in. Figure 28



Figure 28

39. With assistance, install new bumper (Part#: 23027) to the vehicle by reinstalling four (4) of the previously removed OE bolts and eight (8) of the provided 1/2"-13 x 1.25" bolts, flat washers, and lock washers. Figure 29

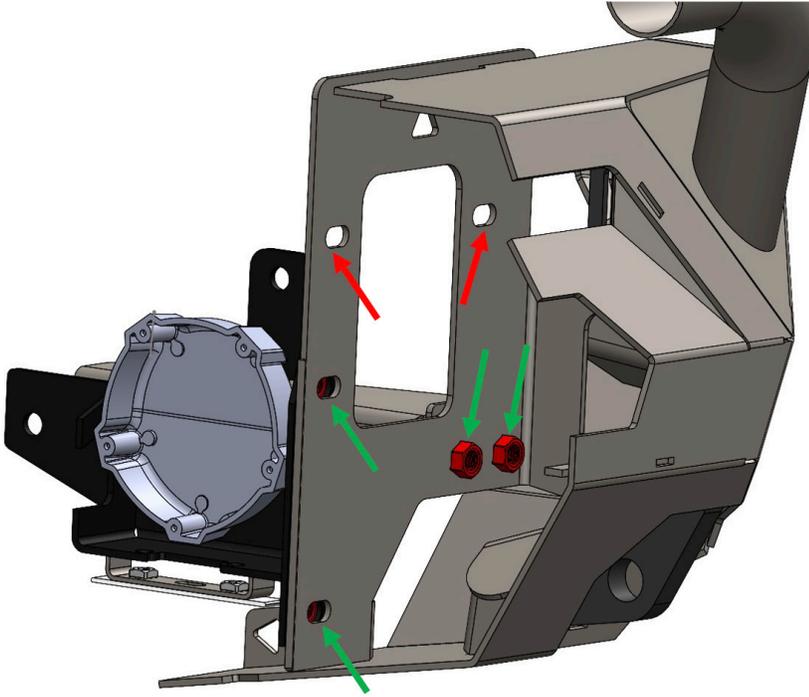


Figure 29

38. Tighten the previously installed OE hardware with an 18mm socket wrench, and the provided 1/2" hardware with a 3/4" socket.

INSTALLATION COMPLETE

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

