



INSTALLATION MANUAL
SEMI-HIDDEN WINCH MOUNT
PRODUCT NUMBER: N465X
APPLICATION: 2017 MERCEDES SPRINTER VAN



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

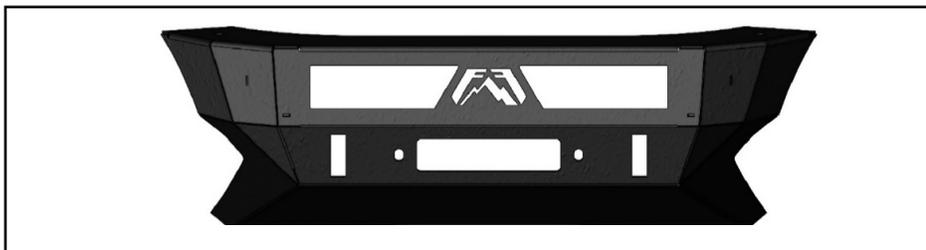
FOUNDER, FAB FOURS

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



22895



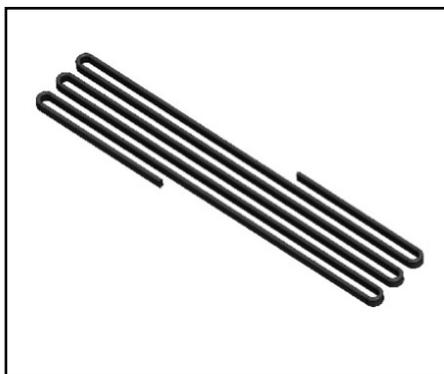
2280



21539 QTY:2



22894



61723



TOOLS REQUIRED

- PANEL PRY TOOL
- SMALL RECIPROCATING SAW
- UTILITY KNIFE
- MASKING TAPE
- MARKER/PENCIL
- TAPE MEASURE
- T15 TORX BIT
- T25 TORX BIT
- T40 TORX BIT
- 13MM SOCKET WRENCH
- 7/16" SOCKET WRENCH
- 7/16" COMBINATION WRENCH
- 1/2" SOCKET WRENCH
- 1/2" COMBINATION WRENCH
- 3/8" ALLEN WRENCH
- 7/32" ALLEN WRENCH

RECOMMENDED: ZIP TIES

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.

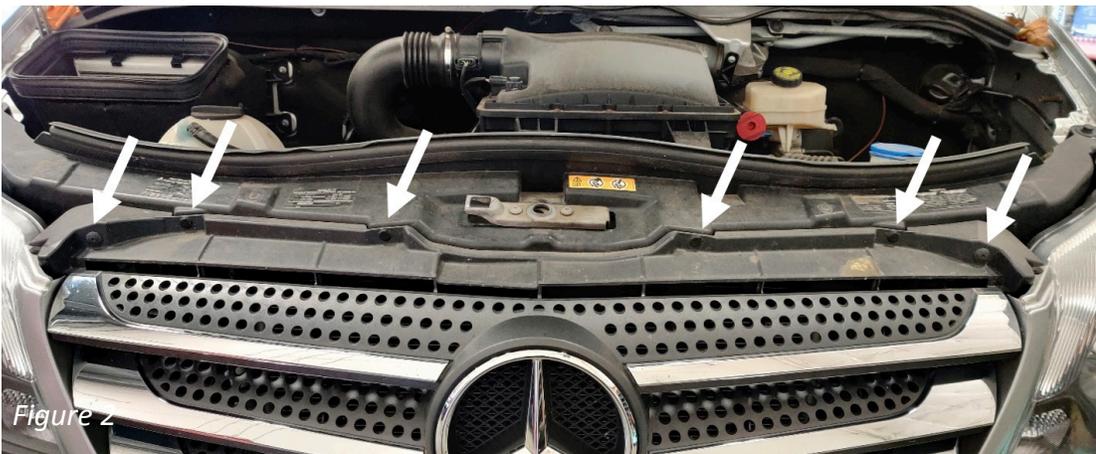
HARDWARE KIT | N465X-IM

FAB FOURS IDENTIFICATION	COMPONENT DESCRIPTION	QTY
50365-HW	M8 x 1.00 x 40mm, 10.9, Hex head cap screw, Zinc plated	12
50365-HW	M8, 10.9, Flat washer, Zinc plated	12
50365-HW	M8, 10.9, Lock washer, Zinc plated	12
50365-HW	5/16"-18 x 1.0", Yellow-zinc, Grade 8, Hex head cap screw	3
50365-HW	5/16"-18, Yellow-zinc, Grade 8, Hex nut	3
50365-HW	5/16", SAE, Yellow-zinc, Grade 8, Lock washer	3
50365-HW	5/16", SAE, Yellow-zinc, Grade 8, Flat washer	4
50365-HW	5/16", 18/8 SS, Fender washer	2
50365-HW	3/8"-16 x 1", SS, Button head cap screw	2
50365-HW	3/8", SAE, 18/8 SS, Flat washer	2
50365-HW	3/8", 18/8 SS, Lock washer	2
50365-HW	7/16"-14 x 1.5", 18/8 SS, Socket head cap screw	2
50365-HW	7/16", 18/8 SS, Lock washer	2
50365-HW	1/4"-20 x 1", Yellow-zinc, Grade 8, Hex head cap screw	2
50365-HW	1/4"-20, Yellow-zinc, Grade 8, Hex nut	2
50365-HW	1/4"-SAE, Yellow-zinc, Grade 8, Flat washer	4
50365-HW	1/4"-SAE, Yellow-zinc, Grade 8, Lock washer	2

1. Using a T15 torx bit, remove the license plate if applicable. Figure 1



2. Using a panel pry tool and T25 torx bit, remove the two (2) screws and four (4) push clips at the top of the grille. Figure 2



3. While gently pulling outward on the top of the grille to gain access, release the four (4) tabs along the bottom of the grille. Figure 3



4. Using a panel pry tool, remove the three (3) plastic push rivets in each inner fender and two (2) plastic push rivets under the bumper on each side of the vehicle. Figures 4-5



Figure 5



Figure 4

5. Using a T25 torx bit, remove the two (2) screws from the top of the bumper cover. Figure 6

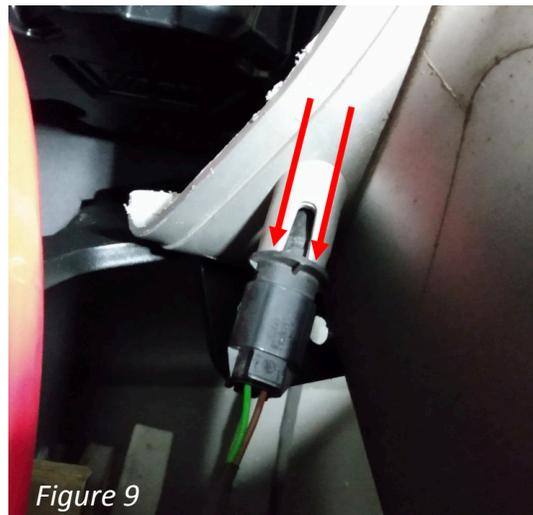


Figure 6

6. Using a T40 torx bit, remove the two (2) screws in the step pad of the front bumper. Using a 13mm socket wrench, remove the two (2) bolts holding the bumper to the crash bar. Figure 7



7. Start to pull the bumper cover away from the vehicle. If applicable, disconnect the fog lights, sensor harness and ambient air temp sensor connectors. Figure 8,9



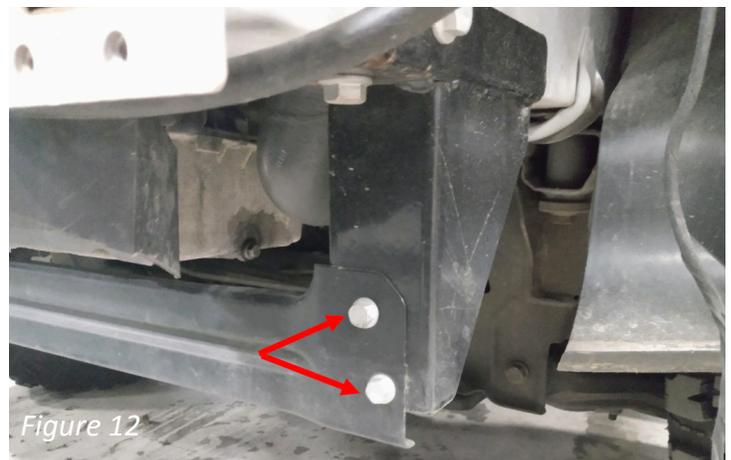
8. Using a 13mm socket wrench, remove the three (3) bolts holding the DEF tank support bracket to the crash bar and to the tank. Figure 10



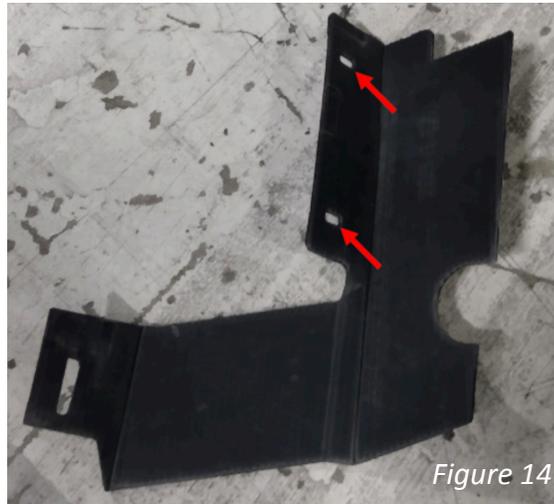
9. Using a 13mm socket wrench, remove the eight (8) bolts that hold the crash bar to the frame. Figure 11



10. Using a 13mm socket wrench, remove the two (2) bolts per side on the underrun guard. Figure 12



11. Using a panel pry tool, remove the plastic air dam from the inside of each frame rail by removing the two (2) push pins and release the clip at the radiator shroud. Figure 13-14



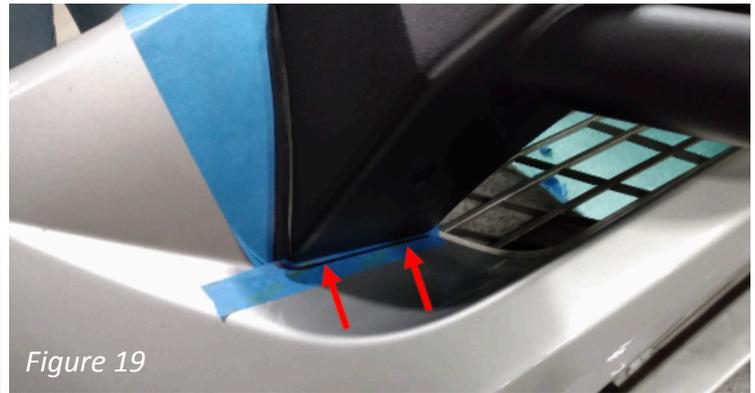
12. If applicable, use a utility knife and pry tool to carefully remove the center two (2) parking sensor housings from the factory bumper cover by cutting through the spot welds. Figure 15



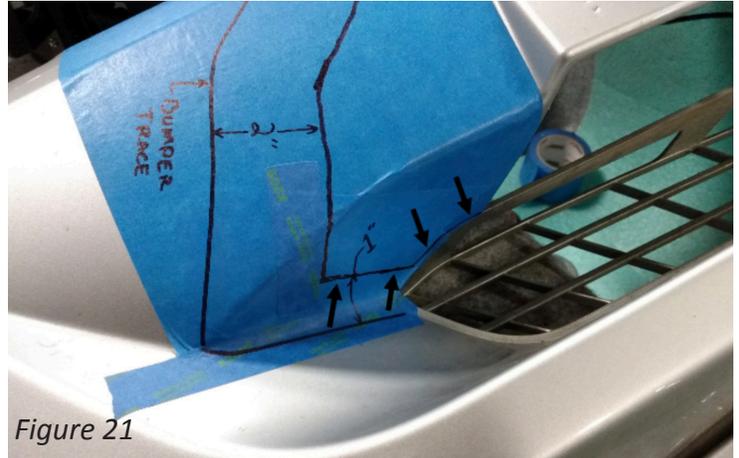
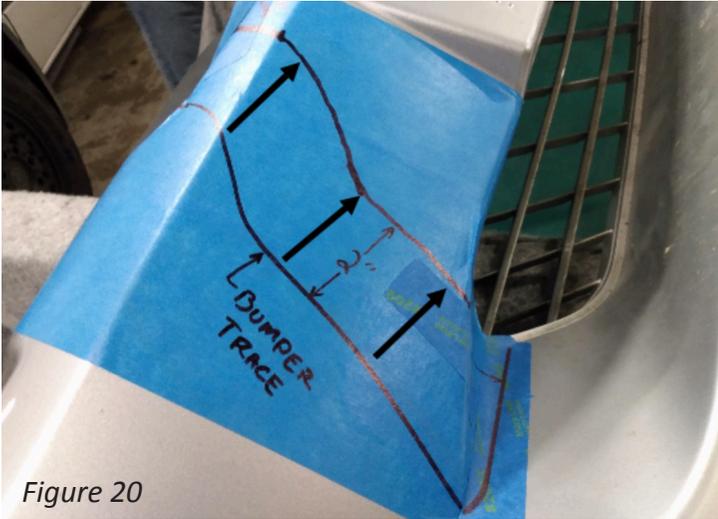
13. Using the provided winch mount shell (Part#: 22895) as a template, apply masking tape to the entire area on the factory bumper that the winch mount shell contacts. The winch mount shell should self-center on the factory bumper. Figure 16-17



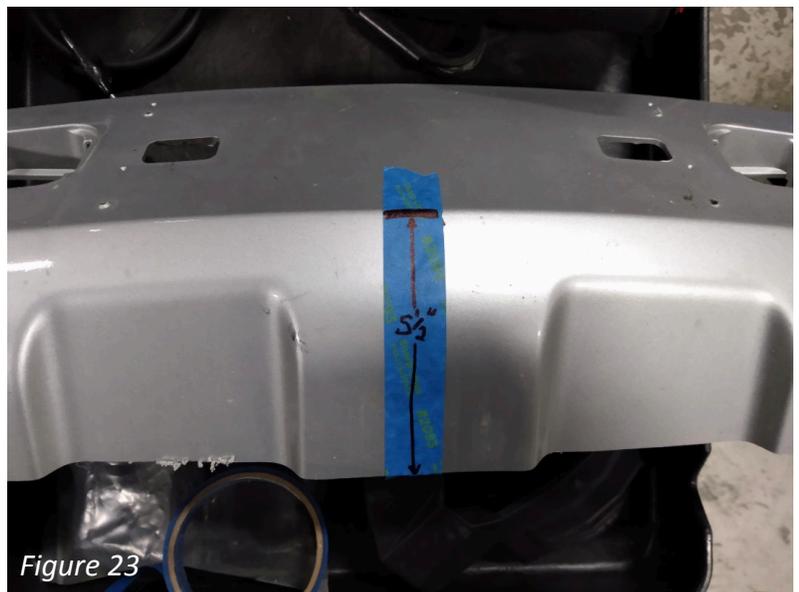
14. Using the provided winch mount shell (Part#: 22895) as a template, trace on the previously installed masking tape the outline of the winch mount shell. Figure 18-19



15. Using a tape measure, offset the previously marked line inboard by 2 inches on the sides and 1 inch along the top. Figure 20-21



16. Using a tape measure, mark a cut line horizontally across the factory bumper 2.25 inches down from the body line as shown. Continue this line over to the passenger side mark, this line should be 5.5 inches down from the body line in the center. Figure 22-23



17. Using a small reciprocating saw or cutting tool of your choice, remove the mesh from the factory bumper by cutting through the base of each crossbar. Figure 24

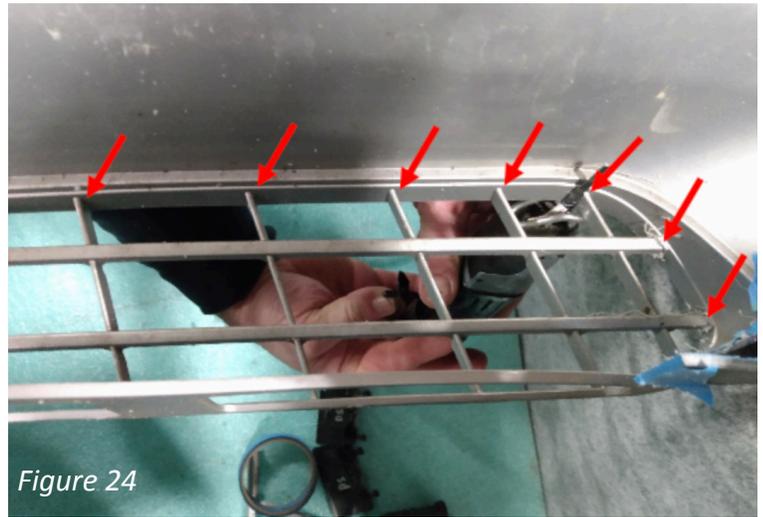


Figure 24

18. Using a small reciprocating saw or cutting tool of your choice, cut along the line marked earlier to remove the center section of the factory bumper. Figure 25

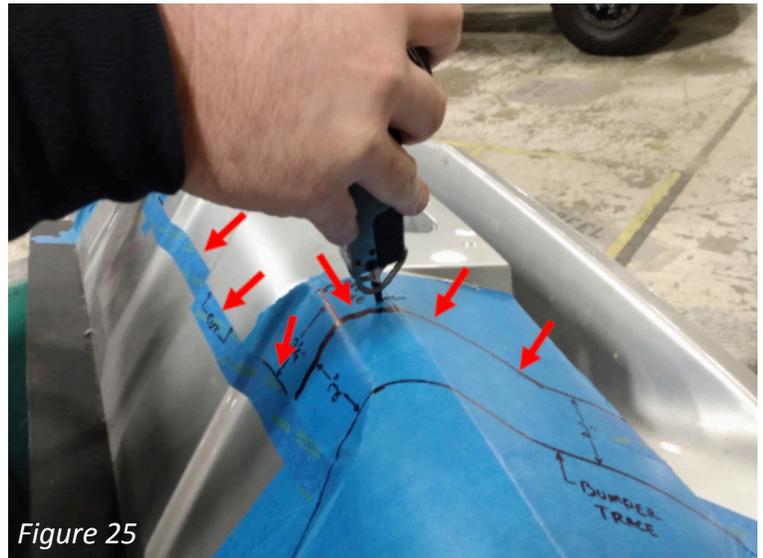


Figure 25

19. Using a 1/2" socket and combination wrench and the provided 5/16" bolts, flat washers, lock washers and nuts install the provided DEF tank support (part#: 22800) to the winch tray (part#: 22894) on the passenger side. The two (2) fender washers will be used later at the tank. Figure 26



Figure 26

20. Using a 13mm socket wrench and the (12) provided M8 bolts, flat washers, and lock washers, install the winch tray to the vehicle. Figure 27

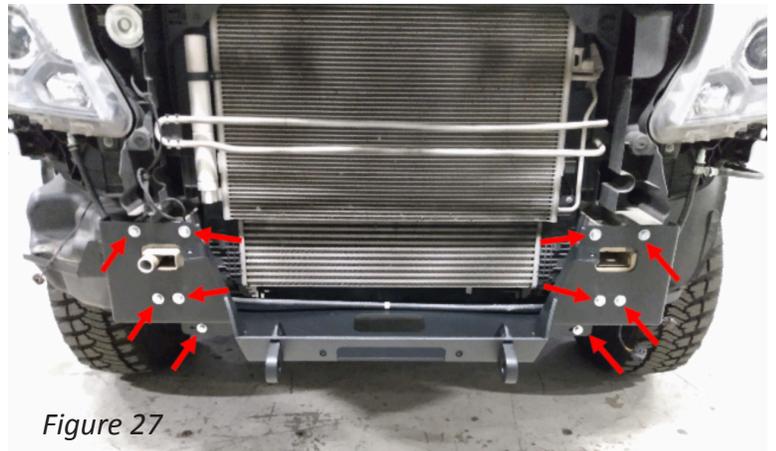


Figure 27

21. Route the headlight washer fluid hose over and along the back side of the winch tray and use the provided cutouts with zip ties to fix it in place. Figure 28



Figure 28

22. If installing a winch, do so now using the manufacturers supplied hardware and instructions. Figure 29



Figure 29

23. Using a 1/2" socket and combination wrench and the remaining 5/16" bolt, fender washer, lock washer, and nuts attach the DEF tank support bracket to the DEF tank. Figure 30

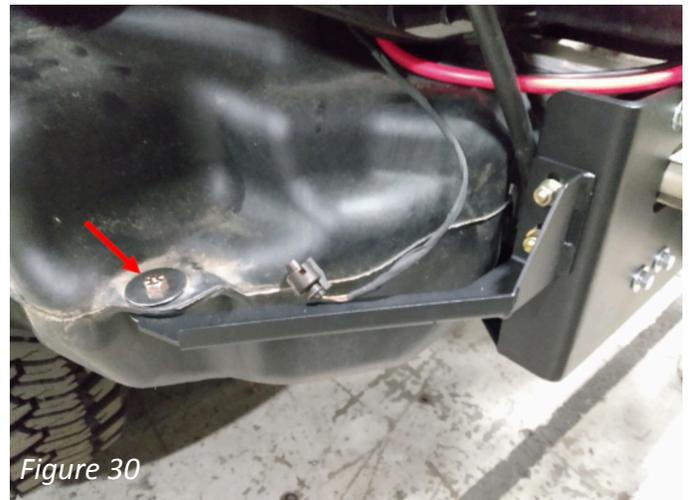


Figure 30

24. Reinstall the factory bumper cover onto the vehicle by reversing the steps used earlier to disassemble it. Reconnect the harnesses disconnected earlier. The bumper should fit tightly behind the flanges on the winch tray with the welded in nuts. Zip-ties can be used to secure the sensor harness if applicable away from the spool. Figure 31



Figure 31

25. If your vehicle is equipped with front sensors see the installation manual for the M6750.

26. If installing a lightbar do so now using the provided lightbar mounting brackets (part#: 21539) and the provided 1/4" bolts, flat and lock washers, and nuts. Use a 7/16" socket and combination wrench to tighten the hardware after you have centered the lightbar in the opening. Figure 32



27. Install the provided rubber edge trim (part#: 61723) around the perimeter of the winch mount shell (part#: 22895). Start at one end and push it over the edge being sure not to stretch the material. When you get to the end, use a utility knife to trim it to length. Repeat on the other side. Figure 33



28. Slide the winch mount shell over the d-rings and up against the factory bumper. Then, loosely install the provided 3/8" socket head screws, flat and lock washers to hold the shell in place. Figure 34



Figure 34

29. Using a 3/8" Allen wrench, install the provided 7/16" socket head screws, and lock washers through your fairlead provided with your winch. Figure 35



Figure 35

30. Tighten the previously installed 3/8" hardware using a 7/32" Allen wrench.

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

