



INSTALLATION INSTRUCTIONS

Ascent-HD Front Bumper

Part Number: 10717X

Application: 2020 GMC HD

GENERAL SAFETY PRECAUTIONS

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. **WARNING** and **CAUTION** are signal words that identify the level of hazard. These signal words mean:

▲WARNING signals a hazard that could cause serious injury or death, if you do not follow recommendations. **▲CAUTION** signals a hazard that may cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and **Note:** to emphasize general information worthy of special attention.

▲ WARNING

IMPACT AND MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to severe injury or death

- **Always** Know Your Winch. Take time to fully read the Instructions and/or Operations Guide, and/or Basic Guide to Winching Techniques, in order to understand your winch and its operations.
- **Never** work under vehicle before properly securing vehicle.
- **Always** use appropriate and adequate care in lifting components into place.
- **Never** work under vehicle before properly securing vehicle.
- **Always** use appropriate and adequate care in lifting components into place.
- **Never** use a jack to support the vehicle.
- **Always** use jack stands in pairs to support the vehicle.
- **Always** use jacks or jack stands only on a hard, stable, and level surface.
- **Never** exceed the rated capacity of a jack or jack stands.
- **Always** verify that the parking brake is set, the transmission is in park (automatic) or reverse (manual) and the rear wheels are blocked before working on vehicle.
- **Never** work under vehicle before properly securing vehicle.
- **Always** use appropriate and adequate care in lifting components into place.
- **Always** insure components will remain secure during installation and operation.
- **Always** tighten all nuts and bolts securely, per the installation and operation.
- **Always** perform regular inspections and maintenance on the winch, winch mount and related hardware.
- **Always** replace all worn or damaged parts before operating.
- **Never** operate this WARN product with damaged or missing parts.
- **Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- **Always** use extreme caution when cutting and trimming during fitting.
- **Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- **Always** remove jewelry and wear eye protection.
- **Never** lean over battery while making connections.
- **Never** route electrical cables across any sharp edge, through or near moving parts, near parts that become hot.

Read installation and operating instructions thoroughly.

WARN INDUSTRIES, INC. 12900 S.E. Capps Road,
Clackamas, OR USA 97015-8903, 1-503-722-1200, FAX: 1-503-722-3000
Customer Service: 1-800-543-9276
Dealer Locator Service: 1-800-910-1122
International Fax: 1-503-722-3005

⚠ CAUTION

MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury

- Part edges may be sharp!
- Always use proper posture / lifting technique or get lifting assistance while handling and installing product.

Read installation and operating instructions thoroughly.

NOTICE

EQUIPMENT DAMAGE

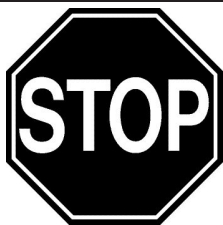
- **Never** tow vehicle by attaching a tow bar to the eyelets on the bumper.
- Do not attach tow bars directly to the bumper. Damage to bumper may occur. WARN bumpers are not designed to be used for flat towing. Consult with the manufacturer of your tow bar system for the proper vehicle tow bar brackets..

Read installation and operating instructions thoroughly.

BEFORE YOU BEGIN

- **BEFORE YOU BEGIN READ INSTALLATION INSTRUCTION THOROUGHLY.**

NOTICE



This product may interfere with driver assist systems such as adaptive cruise control and parking assist systems that have sensors or cameras installed in the bumpers or front grill area. If your vehicle is equipped with any of these systems or features, consult your vehicle owner's manual before installing this product. These systems may need to be disabled as a result of installing this product.

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TOOLS REQUIRED

- | | | | |
|---------------------|-------------------------|-------------------------------|-----------------|
| - Standard wrenches | - 7/16" Open End wrench | - Torque wrench | - Pliers |
| - Standard sockets | - 3/4" Open End wrench | - T10 Star Head socket wrench | - Body pry tool |
| - Metric socket set | - Metric wrench set | - Wire cutters | |

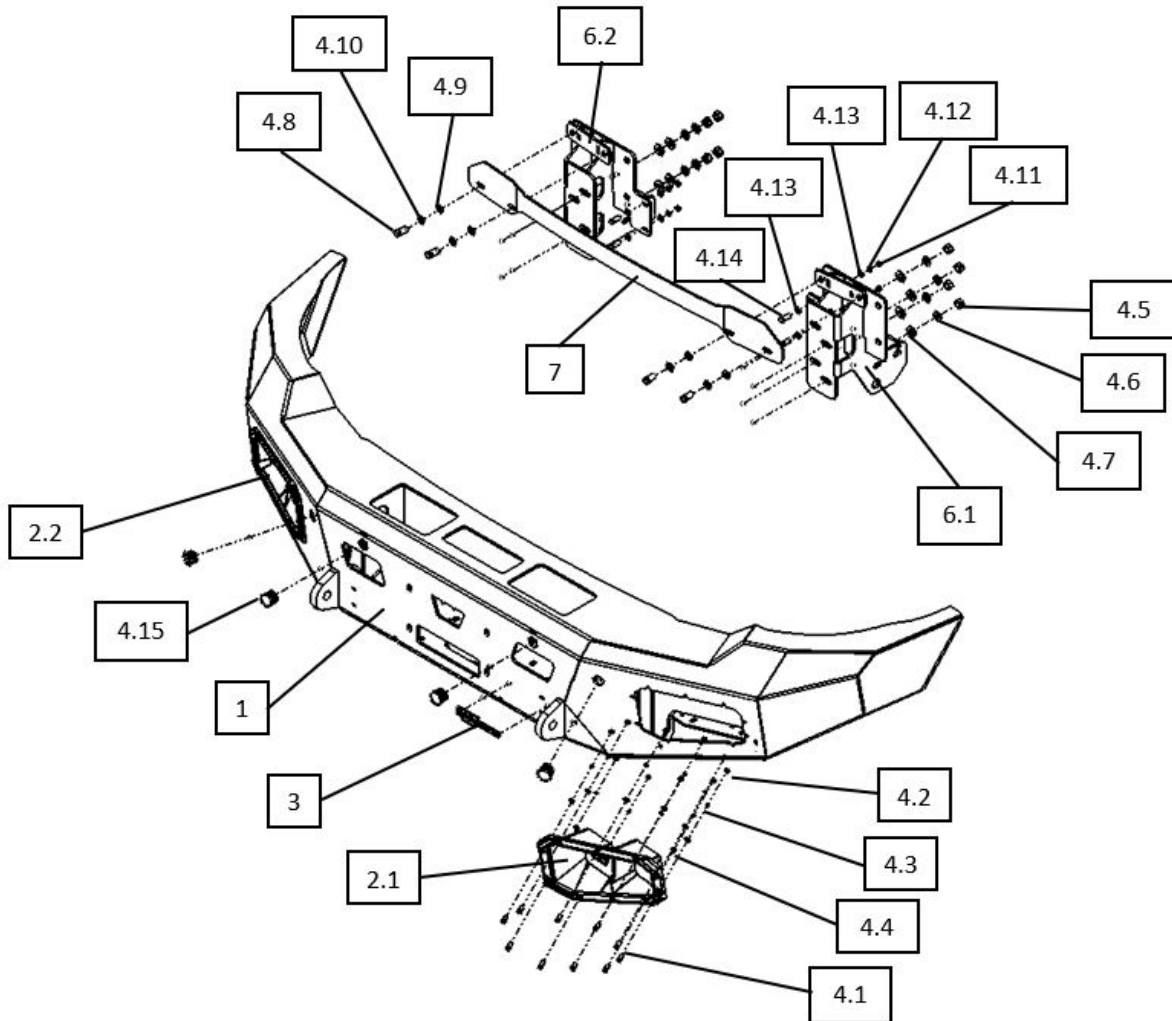
TORQUE SPECIFICATIONS

Please use the recommended torque specifications when assembling this product unless otherwise specified in the instructions.

FASTENER SIZE	FASTENER TORQUE		FASTENER SIZE	FASTENER TORQUE	
	lb-ft	(N.m)		lb-ft	(N.m)
1/4"	8	(11)	M4	(2)	3
5/16"	17	(23)	M5	(4.5)	6
3/8"	30	(40)	M6	(7.5)	10
7/16"	48	(66)	M8	(18)	25
1/2"	74	(100)	M10	(37)	50
9/16"	106	(144)			
5/8"	148	(200)			
3/4"	269	(364)			

PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY	ITEM	PART NO.	DESCRIPTION	QTY
1	10717X	WARN Ascent HD 2020 GMC Base	1	5	20296	1/2" Bolt strip	4
2.1	94888	Light Insert RH	1	6.1	22226-W	10717X DS mount bracket	1
2.2	94889	Light Insert LH	1	6.2	22227-W	10717X PS mounting bracket	1
3	102483	WARN Ascent DS Label	1	7	22229-01	GMC backer strip	1
4	50250-HW	WARN HW Kit	1				
4.1	101064	10-24X3/4 Button head bolt <i>(not all shown)</i>	20				
4.2	101065	10-24 Machine screw nut	20				
4.3	101072	#10 Split lock washer	20				
4.4	101067	#10 Flat washer	20				
4.5	100601	1/2" -13 Hex head nut	8				
4.6	100604	1/2" Lock washer	8				
4.7	100606	1/2" Flat washer	8				
4.8	100571	3/8" x16 x 1 Hex head cap screw	4				
4.9	100573	3/8" Flat washer	4				
4.10	100560	3/8" Lock washer	4				
4.11	100543	1/4"-20 Hex nut	4				
4.12	100547	1/4" Lock washer	4				
4.13	100548	1/4" Flat washer	4				
4.14	100536	1/4"-20 x1 Hex head cap screw	4				
4.15	61776	1-1/4" Plastic sensor plug	4				



INSTALLATION INSTRUCTIONS

1. Open the hood and remove the nine (9) push pins holding the grill cover on using a body pry tool. Use a T15H star socket wrench to remove the two (2) bolts holding the hood latch on and remove the hood latch. Remove the grill cover from the truck and set aside for later install. (Figure 1)



Figure 1

2. Use a 10mm socket wrench to remove the four (4) bolts holding the top of the grill to the truck. Carefully pull the grill off the truck by disengaging the body clips. (Figure 2)



Figure 2

INSTALLATION INSTRUCTIONS

3. Use a 15mm socket wrench underneath the bumper to remove the four (4) bumper support bracket bolts. (Figure 3)



Figure 3

4. Use an 18mm socket wrench to remove four (4) mounting bolts. (Figure 4)

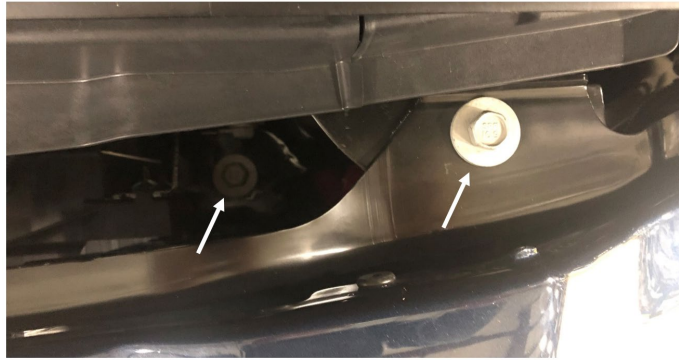


Figure 4

5. Unplug the four (4) bumper sensor harnesses before remove the bumper from the truck.
6. Use a 7mm socket wrench to remove the lower louvers from the mounting brackets. (Figure 5)



Figure 5

INSTALLATION INSTRUCTIONS

7. Use a 15mm socket wrench to remove the four (4) bolts holding the mounting brackets on. (Figure 6)

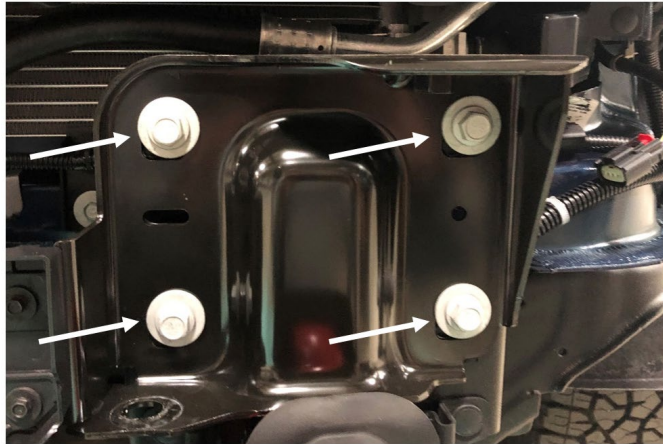


Figure 6

8. Use an 18mm socket wrench to remove the two (2) bolts holding the factory tow hooks onto the frame. (Figure 7)



Figure 7

9. Use a 15mm socket wrench to remove the nine (9) bolts holding the bumper structure on. Remove the metal structure from the bumper to access the sensor harness and OEM fog lights. (Figure 8)



Figure 8

INSTALLATION INSTRUCTIONS

10. Unclip all the plugs holding the sensor harness to the bumper using a body pry tool. Carefully remove the sensor from the housing by pushing the housing apart and removing the sensor by pushing up. (Figure 9)

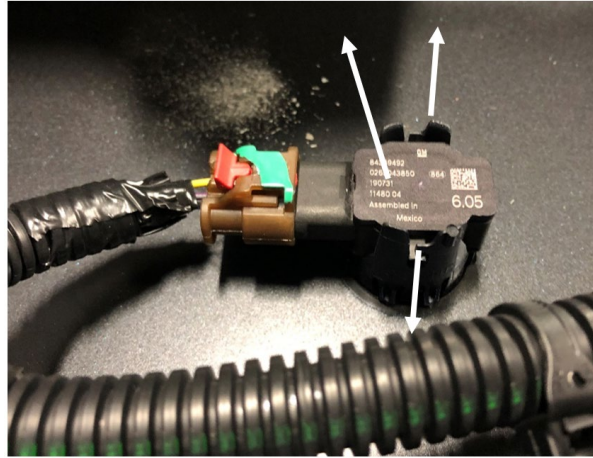


Figure 9

11. Remove the sensor housings from the bumper by pressing the four (4) clips in and pushing it out of the bumper. Make sure to mark what side of the bumper the housing came out of to install into the Fab Fours bumper. (Figure 10)

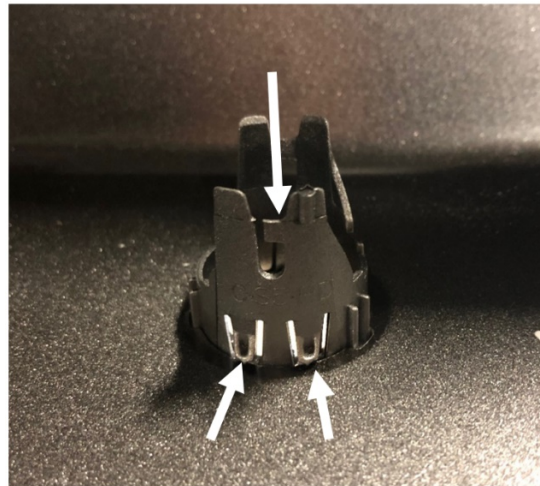


Figure 10

12. Remove the engine heater plug from the bumper by pressing in on the spring and turning clockwise. (Figure 11)



Figure 11

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13. Insert both brackets (22226 & 22227) into the frame rail ends and very loosely install the four (4) shorter OEM bolts into the frame rail end flange and two (2) longer OEM bolts into the frame rail end. just supporting both brackets. (Figure 12)

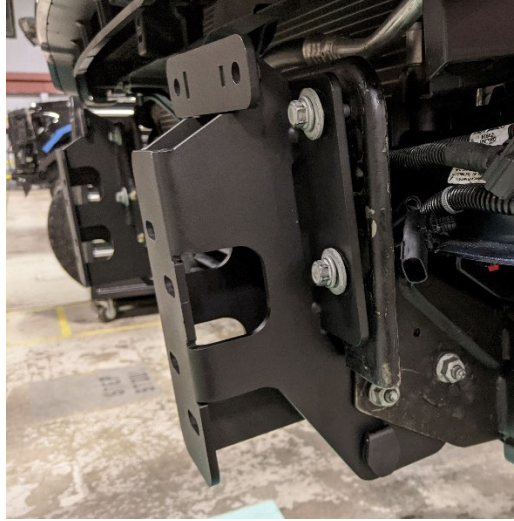


Figure 12

14. Using the provided four (4) bolt stacks of ¼"-20 yellow zinc hex bolt, flat washers, lock washer, and hex nut, loosely install the factory louver system. (Figure 13) (50250-HW)



Figure 13.

15. Using a 15mm socket wrench fully tighten down the four (4) OEM frame end bolts on both brackets (22226 & 22227). (Figure 12)
16. Using both a 18mm socket wrench and 18mm open end wrench, fully tighten down the four (4) OEM long frame bolts on both frame rails (22226 & 22227). (Figure 12)

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17. If equipped, install the engine heater plug into the driver side bracket (22226) in a manner opposite of the removal. (Figure 13)

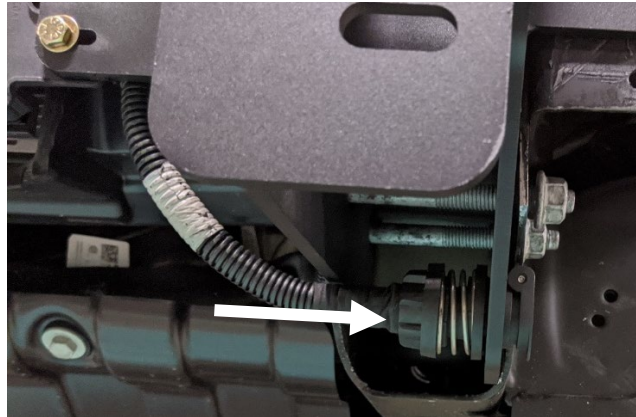


Figure 13

18. If equipped, route and reconnect the engine heater plug wiring harness around the back side of the driver side bracket (22226). (Figure 14)



Figure 14

INSTALLATION INSTRUCTIONS

19. Route and reconnect the two (2) OEM wiring harness plugs from the factory louver system behind the frame rail end of the driver side fame rail end. If equipped, route the engine heater plug wiring behind the fame rail also. Zip tie and secure the wiring bundles as desired. (Figure 15)

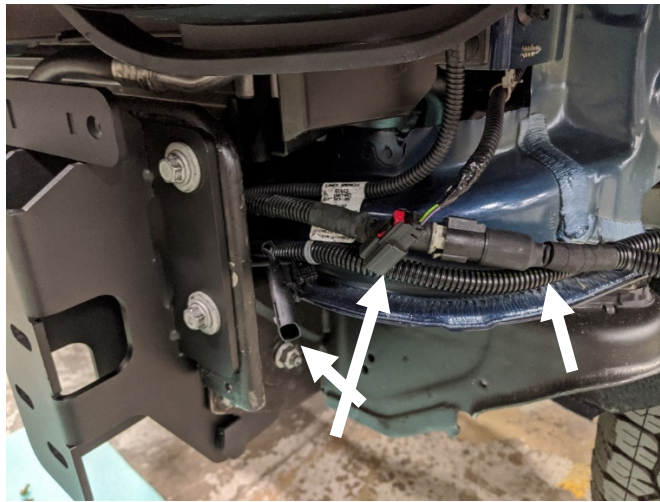


Figure 15

20. Using the provided four (4) bolt stacks of 3/8"-16 yellow zinc hex bolt, flat washers, lock washer, and hex nut, loosely install the backer strip (22229) to both brackets (22226 & 22227). (50250-HW) (Figure 16)

Note: Cracking the bracket bolts can alleviate any bolt misalignment issues with the backer strip to brackets. Be sure to retighten all bracket hardware if loosened.



Figure 16

INSTALLATION INSTRUCTIONS

21. Center the backer strip with grill and while using a 9/16" socket wrench, fully tighten the outer two bolts followed by the inner two bolts. (Figure 17)

Note: A bow will form in backer strip when fully tightened down. This is intended to match the curvature of the grill.



Figure 17

22. Using the provided epoxy, secure all four (4) OEM sensor housings in their appropriate sensor cutout in the bumper (22335). (Figure 18)



Figure 18

23. Using a pair of wire snips, clip off all the push retainers from the factory wiring harness.
24. After the epoxy has cured, fully seat all four (4) sensors into the sensor housings being mindful not to distort the rubber sensor isolator that sits around the sensor tip. Be sure both sides of the sensor housing are fully clipped on the sensor.
25. Route and zip tie the factory wiring harness to the bumper (22335) with the main factory connector being on the passenger wing.

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26. Note: if your truck is not equipped with sensors, use the provided 1-1/4" plastic sensor plugs to fill the sensor holes (50250-HW). (Figure 19)



Figure 19

27. Install the light boxes (94888 and 94889) using the #10 stainless steel bolts, flat/lock washers and nuts (50250-HW) (Figure 20)

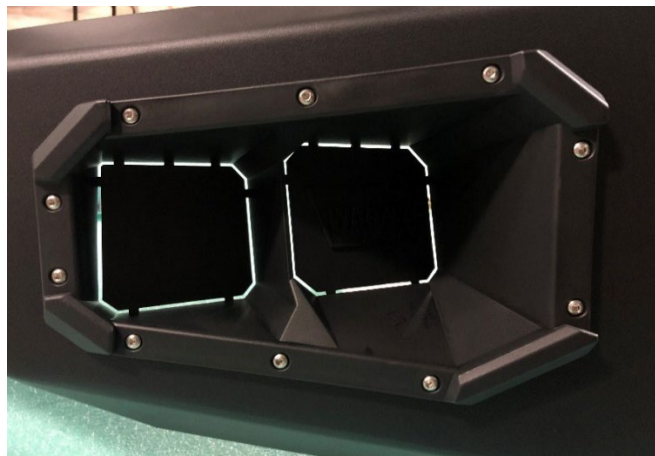


Figure 20

Optional: If you are installing a winch with this bumper installation, do so now. Use the bracket or clamps supplied with the winch to mount the control pack; be sure to install the winch ground strap before installing the winch in the bumper. Once the control pack is installed on the winch, insert the winch into the bumper. The control pack should be facing up with the four front mounting holes facing forward.

Insert the winch by first tipping the end with the clutch lever up and inserting the control pack end in the bumper first. Then insert the clutch lever end in the bumper. Use the hardware supplied with the winch to properly mount the winch to the bumper. Follow the instructions supplied with the winch for the proper bolt location. The winch comes with two different length 7/16" bolts, so read the instructions with the winch to ensure the proper locations.

If not installing a winch, a license plate may be installed onto the front face of the bumper. (Hardware not included)

INSTALLATION INSTRUCTIONS

28. With assistance, lift the bumper (22335) up to the brackets (22226 & 22227) and secure it loosely using the provided four (4) bolt strips (20296) and eight (8) 1/2"-13, yellow zinc hex nut, flat washers, lock washer. (50250-HW) (Figure 21-22)

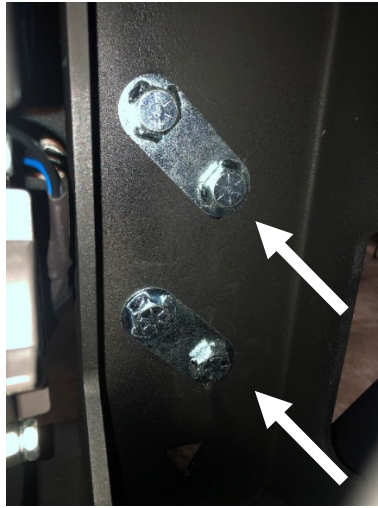


Figure 21

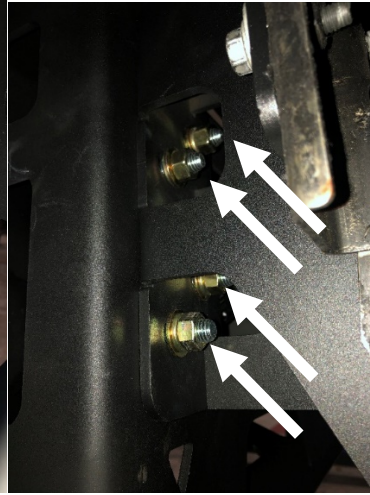


Figure 22

29. With assistance of two, lift and center the bumper to the vehicle and using an 3/4" open end wrench, fully tighten down the eight (8) 1/2"-13 nuts securing the bumper (22335) to the brackets. (22226 & 22227)
30. Reconnect the factory wiring harness main connector and both fog lights (if equipped)

INSTALLATION INSTRUCTIONS

MAINTENANCE / CARE

1. Inspect all parts on the winch, winch mount, and related hardware prior to each use. Replace all hardware that appears rusted or deformed.
2. Inspect all nuts and bolts on the winch, winch mount,, and related hardware prior to each use. Tighten all nuts that appear to be loose. Stripped, fractured, or bent bolts or nuts need to be replaced.
3. Check all cables prior to use. Replace cables that look worn or frayed.
4. Check all moving or rotating parts. Remove debris that may inhibit the part from moving freely.

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