



INSTALLATION INSTRUCTIONS

WARN ASCENT HD

Part Number: 111073-IM

Application: 2024 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

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.

TABLE OF CONTENTS

Tools Required	page 2
Torque Specifications	page 2
Parts List	page 3
Installation	page 4-10
Maintenance/Care	page 10

TOOLS REQUIRED

- | | | |
|----------------------|-------------------------------|-------------------------|
| - 7mm Socket Wrench | - T10 Star Head Socket Wrench | - Long socket extension |
| - 13mm Socket Wrench | - 3/8" Socket Wrench | - Pliers |
| - 15mm Socket Wrench | - 5/16" Socket Wrench | - Body Pry Tool |
| - 18mm Socket Wrench | - 1/2" Socket Wrench | |

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)			

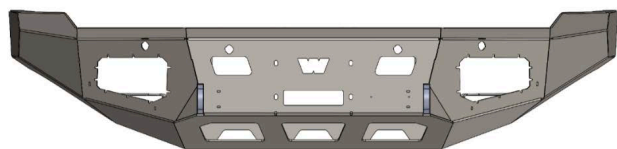
INCLUDED PARTS

ITEM	
1	ASCENT BUMPER (23257)
2	22226 QTY: 1
3	22227 QTY: 1
4	20296 BOLT STRIP QTY: 4
5	61632 EPOXY QTY: 2

HARDWARE KIT

PART NO.	DESCRIPTION	QTY
50250-HW	3/8"-16 X 1", Yellow Zinc Hex Cap Bolt, Grade 8	4
50250-HW	3/8", Yellow Zinc Flat Washer, Grade 8	4
50250-HW	3/8", Yellow Zinc Lock Washer, Grade 8	4
50250-HW	1/4"-20 X 1", Yellow Zinc Hex Cap Bolt, Grade 8	4
50250-HW	1/4"-20, Yellow Zinc Hex Nut, Grade 8	4
50250-HW	1/4", Yellow Zinc Flat Washer, Grade 8	4
50250-HW	1/4", Yellow Zinc Lock Washer, Grade 8	4
50250-HW	1/2", Yellow Zinc Lock Washer, Grade 8	8
50250-HW	1/2", Yellow Zinc Flat Washer, Grade 8	8
50250-HW	1/2"-13, Yellow Zinc Hex Nut, Grade 8	8
50250-HW	10-24 x 3/4" Button Head Cap Screw, Stainless Steel	20
50250-HW	10-24 Hex Nut, Stainless Steel	20
50250-HW	#10 Split Lock Washer, Stainless Steel	20
50250-HW	#10 Flat Washer, Stainless Steel	20
50250-HW	1-1/4" Plastic Sensor Plug	4

1



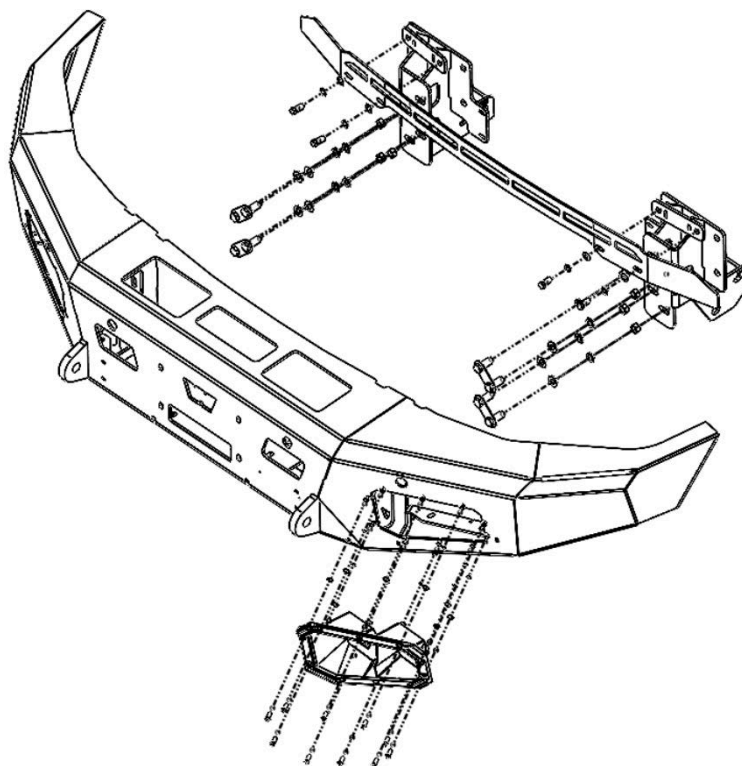
2



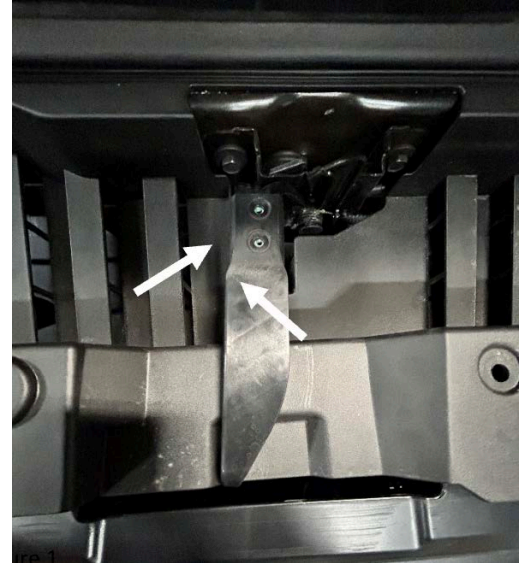
3



4



1. Using a T10 bit remove the two (2) screws attaching the hood latch handle.
Figure 1.



2. Using a body panel pry tool, remove the push pins from the under hood cowl to remove the cowl from the vehicle. Figure 2.

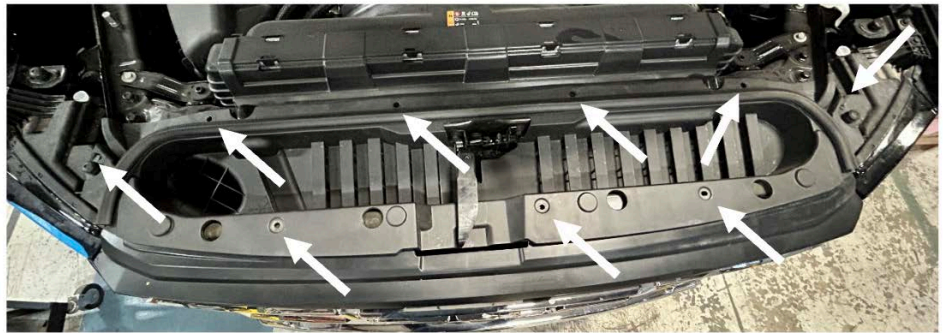


Figure 2

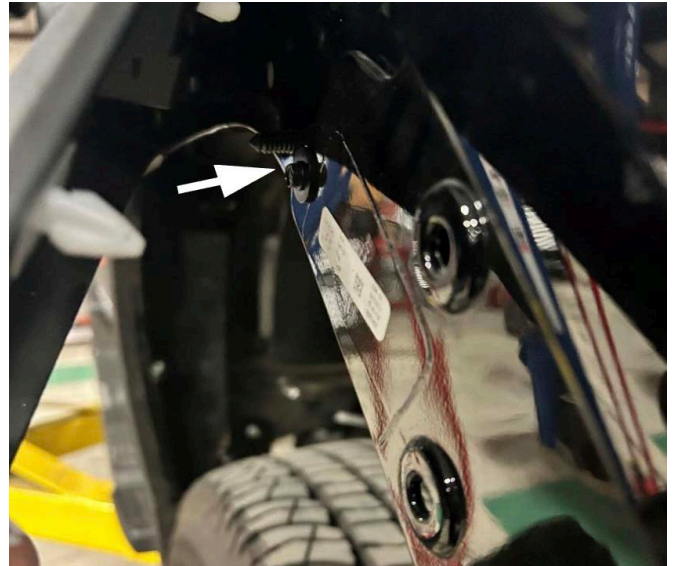
3. Using a 10mm socket wrench, remove the four (4) screws along the top of the grille. Figure 3.



4. Using a panel pry tool, remove the front 1/4 of the front fender flare by releasing the push pins. Figure 4-5.



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



6. Remove the valances on either side of the grille by pulling outward to release the plastic clips. Figure 7.

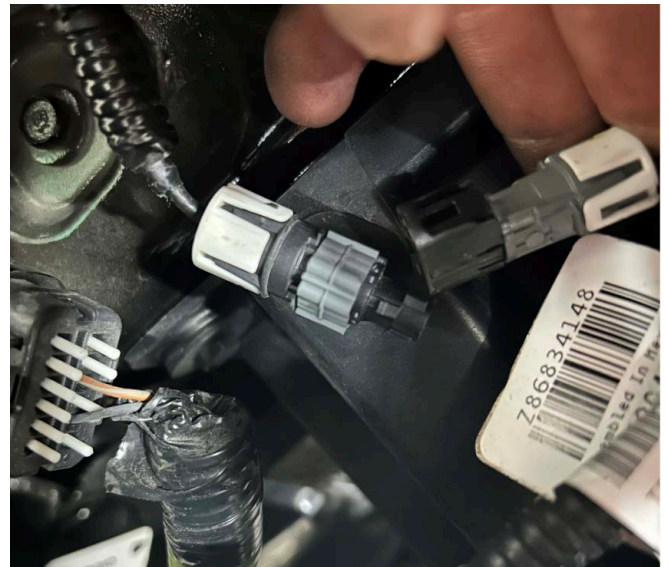


Figure 7

7. If equipped, disconnect the grille camera washer hose. Figure 8.



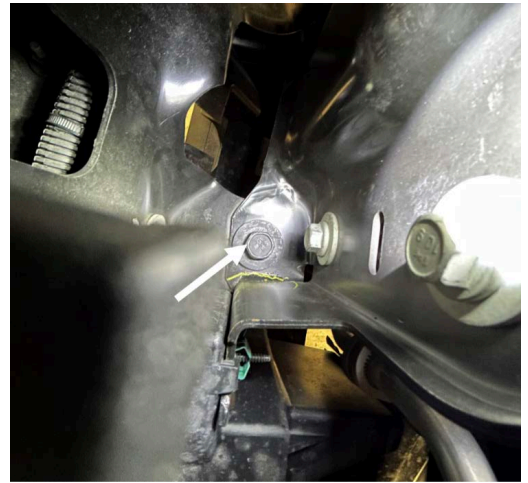
8. If equipped, disconnect the grille camera wiring harness. Figure 9.



9. Remove the grille by pulling outward starting on one side and working across to release the clips. Figure 10.



10. Using a 15mm socket wrench with a long extension, remove the two (2) screws behind the bumper at the bottom of the bumper mounting brackets. Figure 11.



11. Using a 15mm socket wrench, remove the two (2) screws at the top of the bumper mounting brackets. Figure 12.



12. Using a 15mm socket wrench, remove the two (2) screws from the bumper gussets. Figure 13.

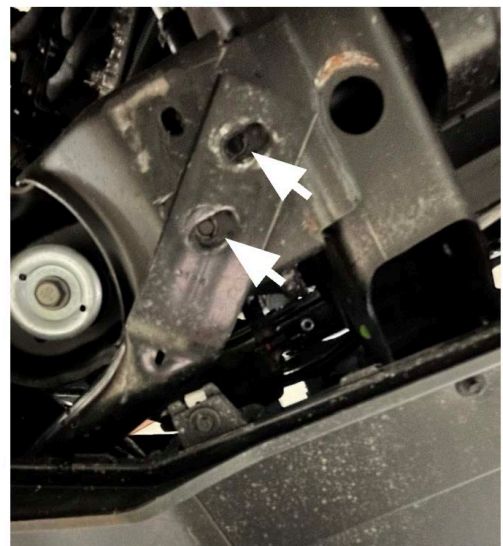
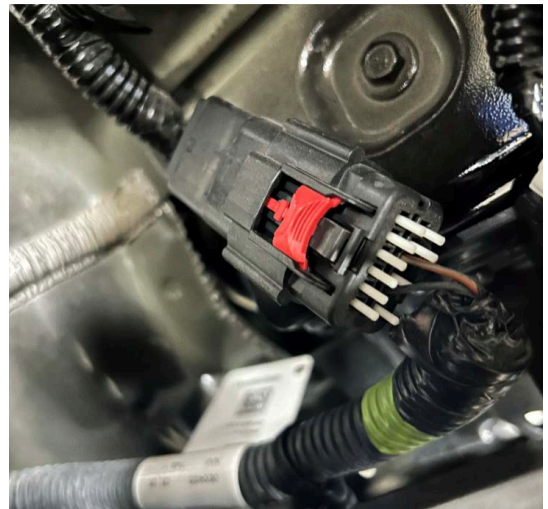


Figure 13

13. If applicable, disconnect the block heater wiring harness on the driver's side of the vehicle. Figure 14.



14. Disconnect the bumper electrical wiring harness on the passenger side of the vehicle. Figure 15.



15. Using a 15mm socket wrench, remove the four (4) screws per bumper bracket. Figure 16.



16. Using a 10mm socket wrench, remove the four (4) screws from the intercooler shroud. Figure 17.



Figure 17

17. If equipped with parking sensors, use 15mm socket to remove bolts inside OEM bumper inner structure to access sensors. Figure 18.



18. If equipped, remove parking sensors from OEM bumper. Be sure to mark orientation of sensor in housing, and sensor housing in bumper. Figure 19-20

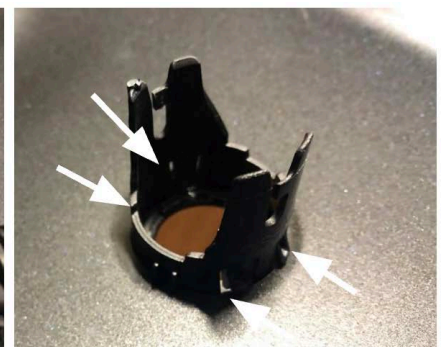
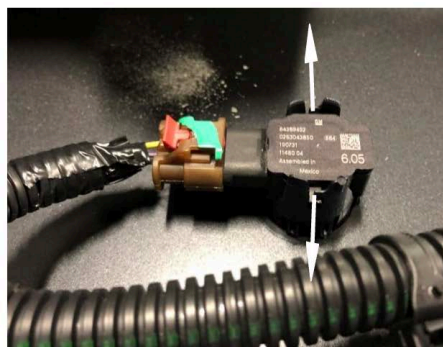
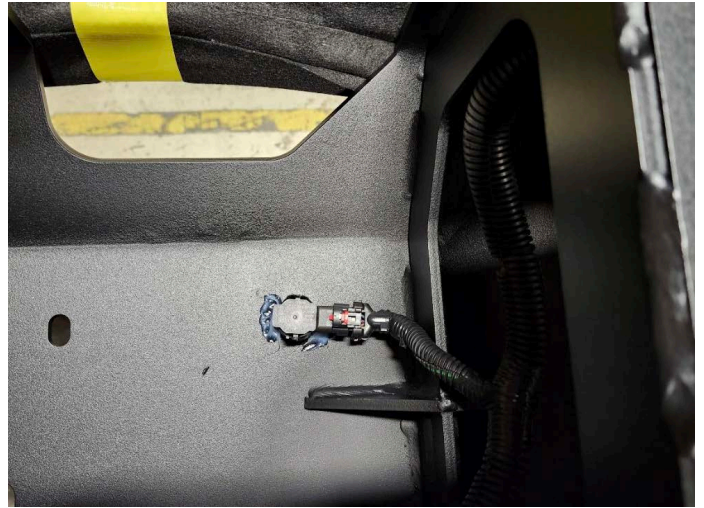


Figure 19 & 20

19. Reinstall the sensor housings into the bumper in the same location and orientation in which they were removed. Use the provided epoxy (61632) to secure them in place. Figure 21.



20. After epoxy has fully dried, insert sensors into housings in correct OEM orientation. Secure excess wire harness with zip ties.

21. Install winch and/or pod lights as desired.

22. Install mounting brackets (22226 & 22227) using four (4) OEM bolts in front of frame horn (15mm socket), and two (2) OEM bolts through frame rail (18mm socket and wrench). Repeat for both sides. Figure 22-23.



23. If equipped, install the engine heater plug into the driver side bracket (22226) in a manner opposite of the removal. Figure 24.

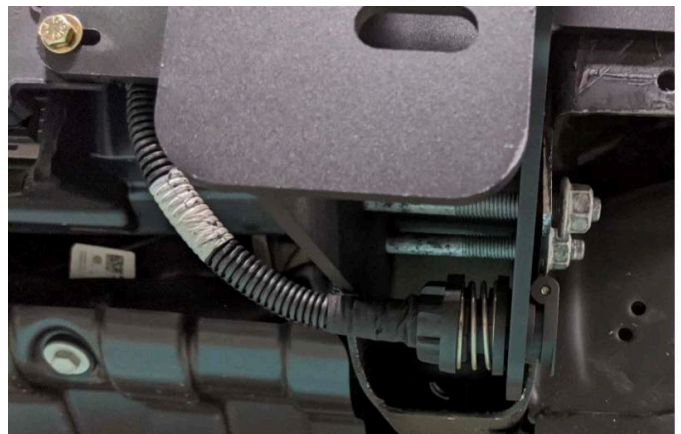


Figure 24

24. Insert ½" bolt strips (20296) into bumper from inside out, two bolt strips per side. It may be helpful to temporarily secure bolt strips with tape on the inside of bumper.

25. With assistance, lift bumper onto brackets and insert bolt strips through slots in bumper mounting brackets. Use ½" washers and nuts to secure bumper to truck.

26. Align bumper as desired and tighten all bolts using ¾" socket.

27. Reverse steps 1-14 to reassemble truck.



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.

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.

