



INSTALLATION INSTRUCTIONS

Elite Front Bumper

Part Number: 111115 and 111116

Application: Ford Bronco 2020

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

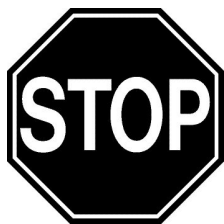
EQUIPMENT DAMAGE

- 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 is not compatible with factory 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.

If your vehicle is equipped with an adaptive cruise control (ACC) sensor, See instructions: 111508 for Adaptive Cruise Control Relocation Bracket Installation Instructions.

TOOLS REQUIRED

- Standard Wrench and Socket Set
- Metric Wrench and Socket Set
- Cutting tool

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

PARTS LIST

Item	Qty	Name	PN
A1	1	ELITE FRONT BUMPER	23271-W
A2	1	RH FOG LIGHT BRACKET	23272-01
A3	1	LH FOG LIGHT BRACKET	23273-01
A4	1	RH FRAME MOUNT OUTER	23274-W
A5	1	LH FRAME MOUNT OUTER	23275-W
A6	1	RH FRAME MOUNT INNER	23276-W
A7	1	LH FRAME MOUNT INNER	23277-W

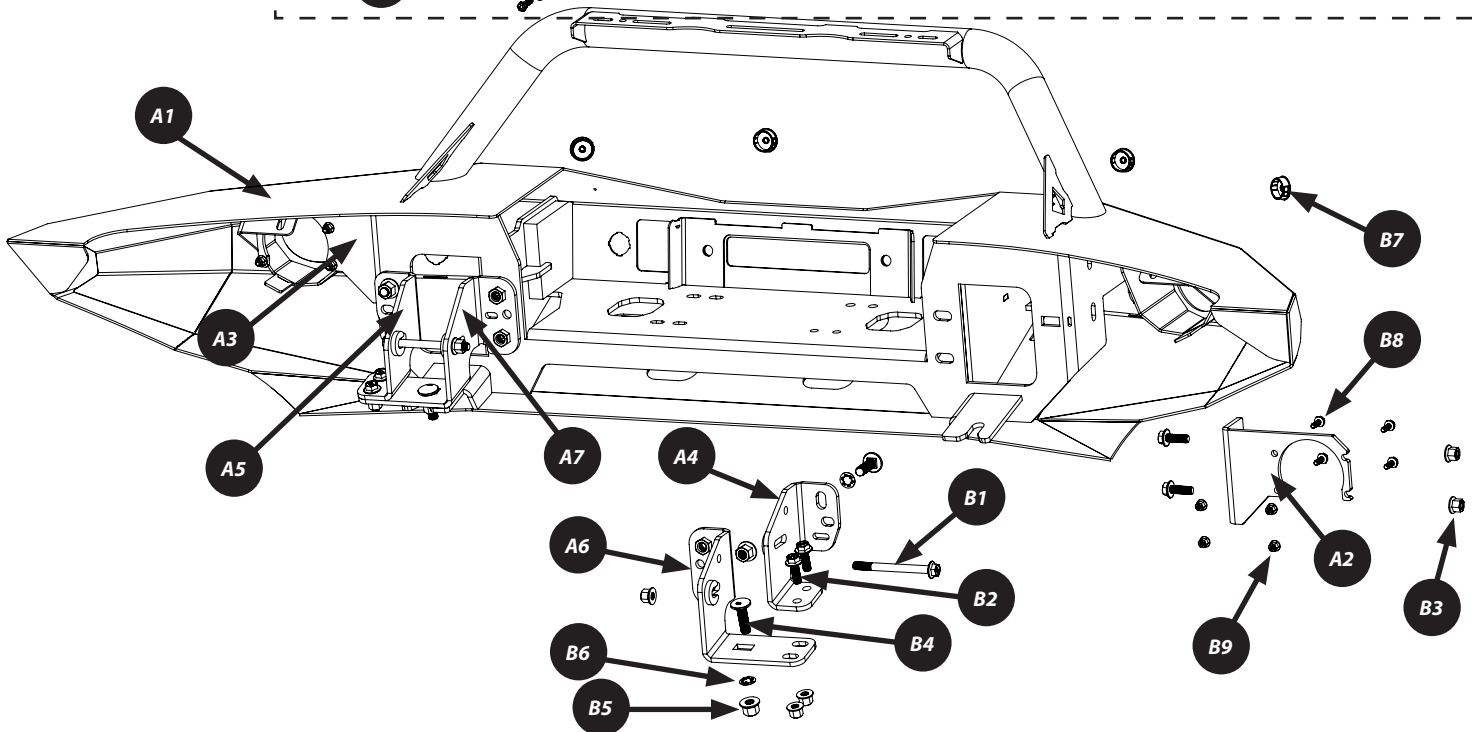
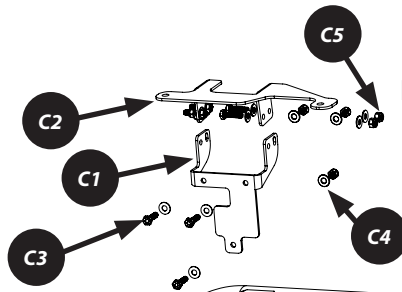
50475-Hardware Kit			
Item	Qty	Name	
B1	2	M10-1.50 X 110MM FLANGE BOLT	
B2	8	M10-1.50 X 30MM FLANGE BOLT	
B3	10	M10-1.50 FLANGE LOCK NUT	
B4	4	M12-1.75 X 40MM CARRIAGE BOLT	
B5	4	M12-1.75 FLANGE LOCK NUT	
B6	4	1/2" PUSHNUT BOLT RETAINER	
B7	4	1-3/32" PLASTIC PLUG BLACK	
B8	8	M6-1.0 X 20MM FLANGE BOLT	
B9	8	M6-1.0 FLANGE LOCK NUT	

*Optional ACC Relocation Kit 111116

Item	Qty	Name	PN
C1	1	ACC RELOCATION BRACKET	22547-01
C2	1	ACC MOUNT BRACKET	22547-02

50302-Hardware Kit

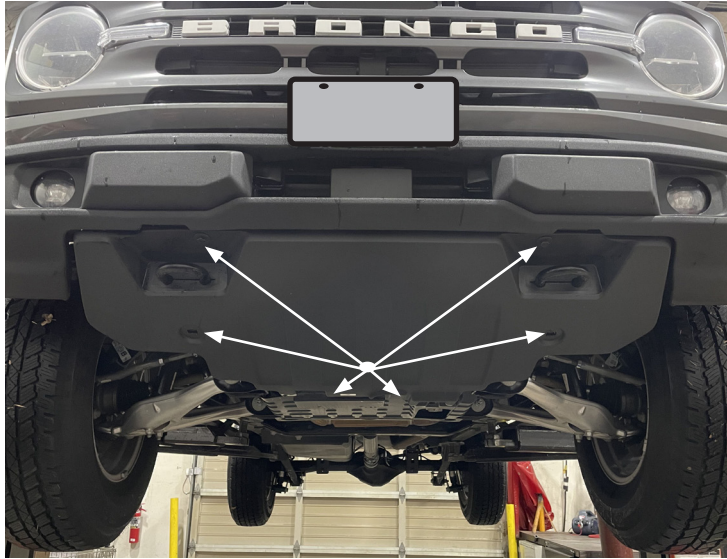
Item	Qty	Name
C3	7	1/4"-20 X 1.00" BOLT
C4	14	1/4" FLAT WASHER
C5	7	1/4"-20 NYLON LOCKNUT



REMOVAL INSTRUCTIONS

REMOVAL INSTRUCTIONS

1. Remove the bolts securing the skid plate to the bottom of the vehicle. Once skid plate is released from the vehicle, carefully set it aside, along with the hardware. You will reinstall later. **NOTE: The plastic skid plate will have six (6) bolts and the steel skid plate will have four (4) bolts.**



2. For plastic bumpers:
 - Remove the rubber trim around each tow hook.



- Remove the front bumper trim panel by releasing the 12 clips (6 clips on each side).



3. For steel bumper:
 - Remove the four push pins and release the four clips to remove the front bumper trim panel around the tow hooks.



- If equipped, remove the front bumper bar.
- Remove the tow hook completely (each side).



⚠ WARNING Always use assistance when moving or lifting heavy parts.

4. For all bumpers:
 - Remove license plate and bracket.
 - Disconnect
 - the front bumper harness, located behind the front bumper and grill on the driver side of the vehicle.
 - Remove the six bolts holding the front bumper to the vehicle's frame and carefully remove the front bumper from the vehicle. Retain hardware for later use.

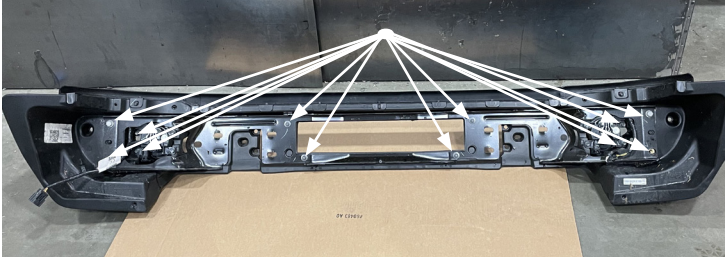
NOTE: Be sure you have disconnected the front bumper harness, located behind the front bumper and grill on the driver side of the vehicle.



If your vehicle is equipped with an adaptive cruise control (ACC) sensor, now is the time to install the ACC Relocation Kit. See instructions: 111508.

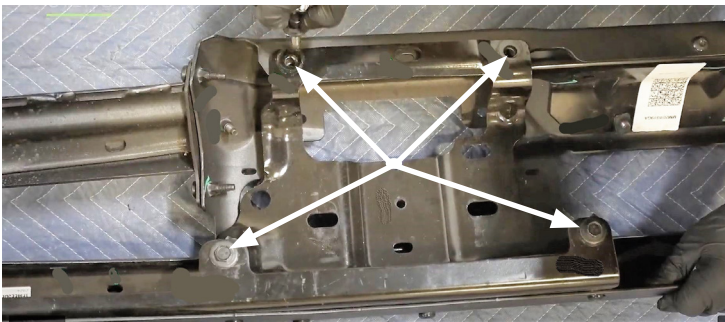
REMOVAL INSTRUCTIONS

5. For plastic bumper:
 - If equipped, unplug the factory fog light from the front bumper harness.
 - Remove the four screws holding the factory fog lights and fully remove fog lights from the bumper.
 - Remove the four bolts and four screws from the metal bumper backing frame (both sides).
 - Remove the metal frame.

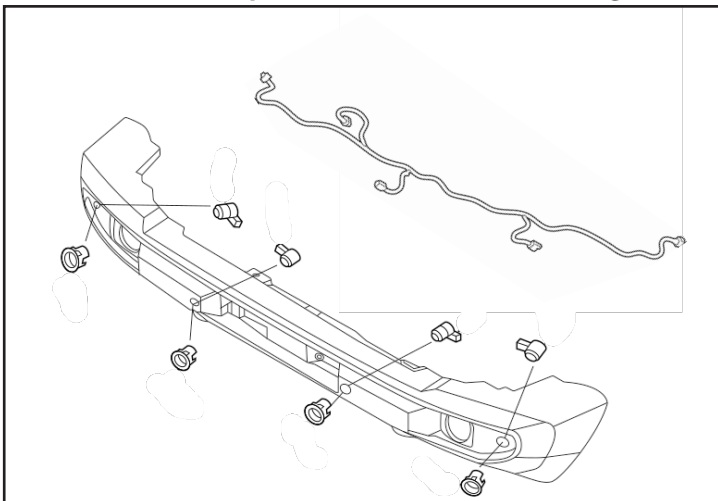


For steel bumper:

- If equipped, unplug the factory fog light from the front bumper harness.
- Remove the four (4) screws holding the factory fog lights and fully remove fog light from the bumper.
- Repeat on opposite side of the vehicle.



6. For all bumpers:
 - Unplug any wiring harnesses connecting the bumper to vehicle.
 - Remove the sensors from the carriages (if equipped).
NOTE: Be sure to mark the location (LH/RH, Inner/Outer) and orientation (Top/Bottom) of each sensor.
 - **TIP: Numbering each sensor with tape and marking with a paint pen works well.**
 - Remove the sensor carriages from bumper. **NOTE: Be sure to mark the location (LH/RH, Inner/Outer) and orientation (Top/Bottom) of each sensor carriage.**



INSTALLATION INSTRUCTIONS

7. If equipped, carefully tuck the front bumper harness into the Warn Elite Bumper. **NOTE: Ensure the harness is kept behind the frame mounting brackets and under the winch carrier plate, use cable ties.**



NOTE: Due to the tight fit of the winch, it is recommended to install the fairlead before installing the winch.

8. Install fairlead following winch installation instructions.



9. For plastic bumper:

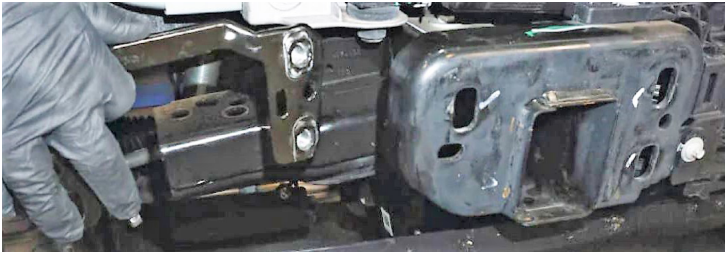
- In order to provide clearance around the factory tow hook, loosen, but do not remove, the front most bolt holding the tow hook to the frame to swing it downward.



INSTALLATION INSTRUCTIONS

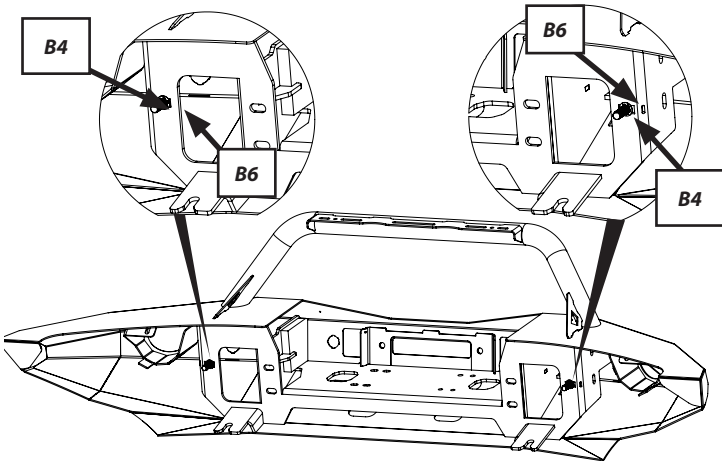
10. All bumpers:

- Locate and remove the two plastic nuts holding the frame nut plate to the back of the frame pad. Retain plastic nuts to reuse later.
- Remove the frame nut plate.
- Repeat on opposite side of the vehicle.



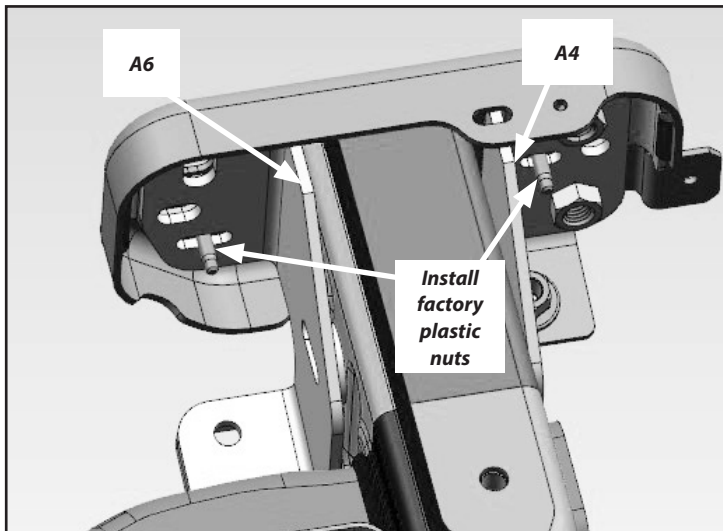
11. Install one carriage bolt (B4) through the slot of each outer side of the bumper mounting brackets.

- ## 12. Center the carriage bolt in the slot as much as possible and install one retaining push-nut (B6) to secure bolt in place. *TIP: A large socket may be helpful in pressing the push nuts on.*



- ## 13. Place the inner (A6/A7) and outer (A4/A5) brackets on each side of the vehicle frame rail, up behind the bumper mounting pads.

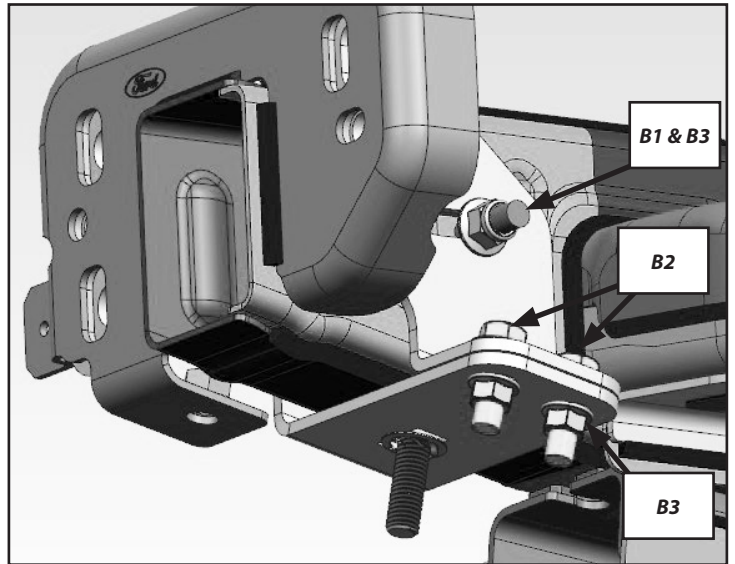
- ## 14. Install two factory plastic nuts (retained from nut plate) over weld studs to keep brackets in place.



- ## 15. Install the M10-1.5 bolt (B1) and nut (B3) in the upper frame mounting hole of outer nod bracket.

- ## 16. Install two M10-1.5X30mm bolts (B2) through the outer and inner brackets and secure with nuts (B3). Torque to specifications on page 3.

- ## 17. Repeat steps for other side.



- ## 18. If equipped, locate the two factory fog lights and the two Warn fog light brackets (A2 & A3).

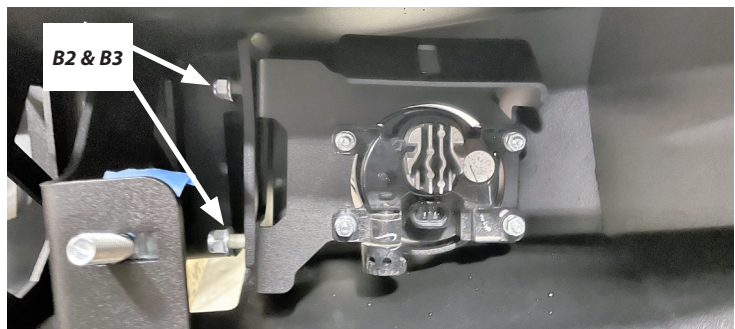
- ## 19. Using four M6-1.0 x 20-mm bolt (B8) and flanged lock nuts (B9), install one factory fog light onto one fog light bracket.

- ## 20. Repeat for remaining fog light and bracket.



- ## 21. Install the Warn fog light bracket assembly onto the Warn Elite Bumper using the two M10-1.25 x 30-mm bolts (B2) and M10 flanged lock nuts (B3).

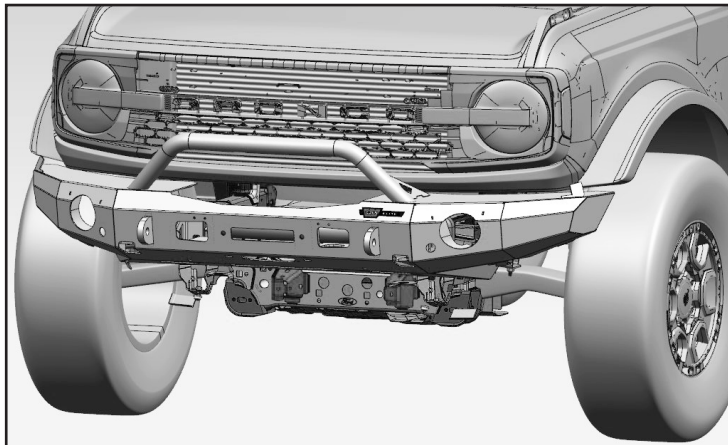
- ## 22. Repeat for other side.



INSTALLATION INSTRUCTIONS

⚠ WARNING Always use assistance when moving or lifting heavy parts.

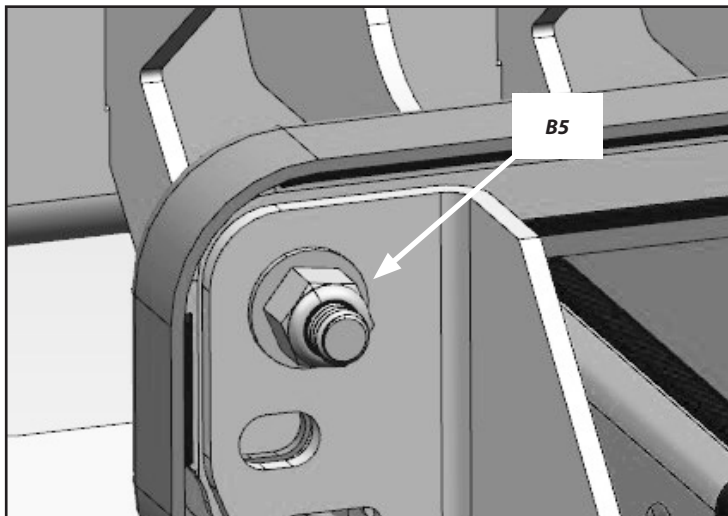
23. With assistance, lift the new bumper (A1) in position, while guiding the carriage bolts into the top mounting holes of each frame bracket.



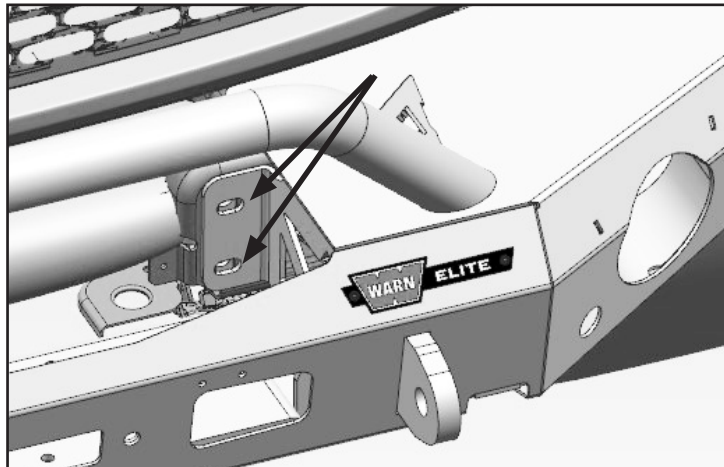
24. Ensure the bottom edge of the bumper clears the factory tow hooks during installation. **NOTE: The factory tow hooks will no longer be usable after the Warn Elite Bumper is installed.**



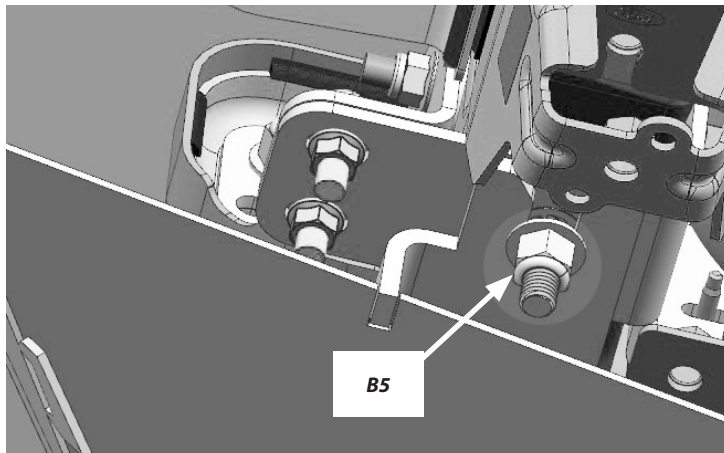
25. Secure the bumper to the vehicle by installing one M12 flange nuts (B5) onto bumper carriage bolt (each side). **NOTE: To allow for adjustment, do not fully tighten hardware at this time.**



26. Install two of the M12 factory bumper bolts in the inside (center-most) bumper mounting holes. Do not fully tighten at this time.



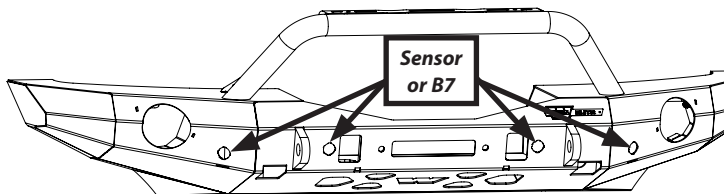
27. Install a M12 nut (B5) onto the inner bracket carriage bolt (each side).
28. Torque **ALL** bumper mounting hardware to specifications listed on page 3.



29. Install the sensor carriages and sensors into the cutouts on the bumper shell. **NOTE: Be sure sensors match the orientation of the stock bumper.**

NOTE: If vehicle is not equipped with sensors, insert supplied sensor plugs (B7) in holes.

NOTE: The Warn Bronco Elite Front Bumper is designed to work with the parking sensor retainers found on the factory steel bumper only.

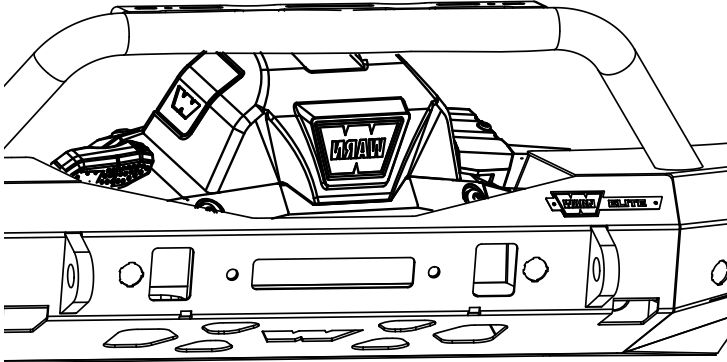


If your vehicle was equipped with a plastic bumper, contact your local Ford Dealer for the following parts:

- Driver Outer Retainer Part Number: M2DZ-15A862-MA
- Driver Inner Retainer Part Number: M2DZ-15A862-MB
- Passenger Inner Retainer Part Number: M2DZ-15A862-MC
- Passenger Outer Retainer Part Number: M2DZ-15A862-MD

INSTALLATION INSTRUCTIONS

30. If you are installing a winch in the bumper, install it at this time per the winch installation instructions.



31. If equipped, reinstall skid plate.

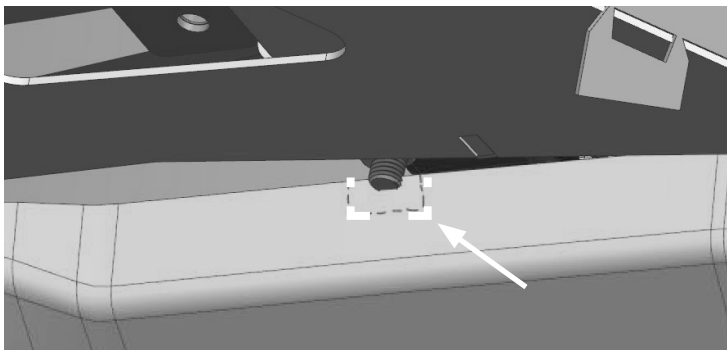
For plastic skid plate:

- The skid will need to be cut in the specified location on both sides in order to not interfere with the Warn bumper.



OPTIONAL: For steel skid plate:

- The skid plate may slightly interfere with the bumper hardware. If desired, skid plate can be cut in the specified location.



32. Plug in **ALL** wiring harnesses to their respective locations.
33. Complete your winch wiring installation following installation instructions that came with the winch.
34. Tighten **ALL** hardware now, refer to torque specifications on page 3.

35. Installation is complete.



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.