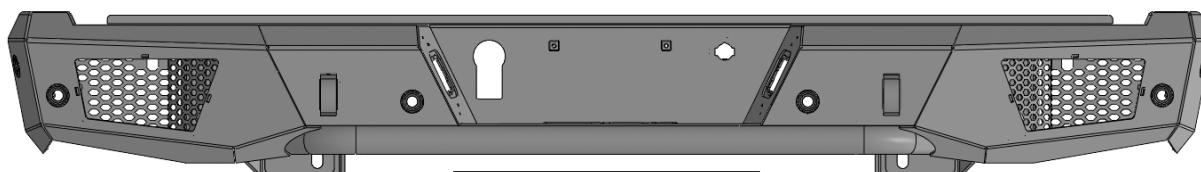


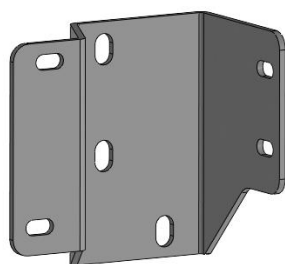
2021-2026 FORD F150 AMBUSH REAR BUMPER PART# FD-2968

PARTS LIST:

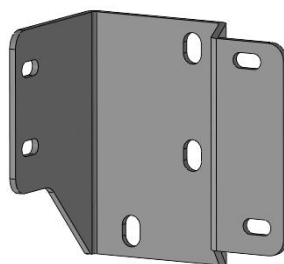
Qty	Item Description	Qty	Item Description
1	Rear Bumper	6	Foam Spacers
1	Passenger Side Mounting Bracket	6	Plastic Sensor sleeve cover
1	Driver Side Mounting Bracket	6	Sensor retaining clips
1	Passenger Side Support Bracket	1	Right License Plate Bracket 2021
1	Driver Side Support Bracket	1	Left License Plate Bracket 2021
2	Long 10mm Double Bolt Plate	1	Right License Plate Bracket 2024
2	Short 10mm Double Bolt Plate	1	Left License Plate Bracket 2024
10	Nylon Wire Ties	1	4mm Hex Wrench
6	Sensor Cover Kits	8	10mm x 30mm x 2.5mm Flat Washer
12	Self Tapping Screws	8	10mm Nylon Lock Nuts
6	Foam Rings	4	6mm Combo Bolts
6	16mm Plastic Retainers	4	6mm Flange Nuts
8	10mm Plastic Retainers	2	Square Plug



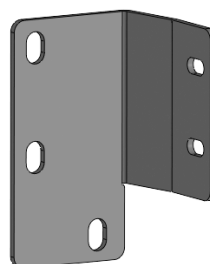
Rear Bumper



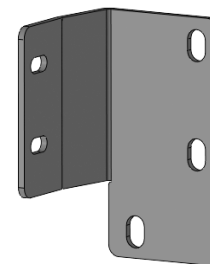
Driver Side
Mounting Bracket



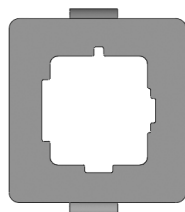
Passenger Side
Mounting Bracket



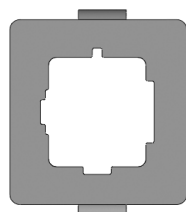
Driver Side
Support Bracket



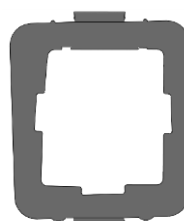
Passenger Side
Support Bracket



Left License Plate
Bracket 2021



Right License Plate
Bracket 2021



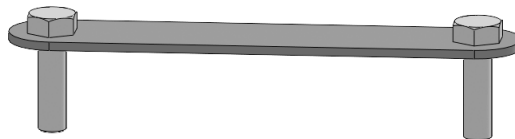
Left License Plate
Bracket 2024



Right License Plate
Bracket 2024



Short 10mm
Double Bolt Plate



Long 10mm
Double Bolt Plate



Plastic
Retainer



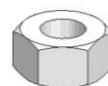
Lock
Washer



Flat
Washer



Nylon Lock
Nut

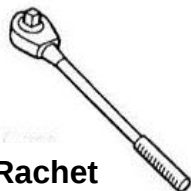


Hex Nut



Combo Bolt

TOOLS REQUIRED



Ratchet



10-24mm Sockets



Extensions



Wrench



Pry Tool



Screwdriver

PRODUCT CARE AND MAINTENANCE

- Textured coat finished should be cleaned ONLY with a mild soap on a damp sponge.
- BA recommends wiping down the product with a light coat of lubricate (i.e. WD40) periodically to maintain its luster.
- DO NOT apply polish or wax that requires buffing for removal as this may damage the finish.
- DO NOT coat the product with any type of shine such as Tire Shine or glossy aerosol or gel. This can cause discoloration, staining or bubbling.

- 1** Follow (Fig 1 – 9) to remove and disassemble Factory Rear Bumper.



(Fig 1) Remove license plate from the bumper.



(Fig 2) Unplug all wiring harnesses on Driver Side leading to the rear bumper and move harnesses away from bumper.

WARNING! Do not crawl under bumper unless the bumper is properly supported on blocks or stands or the bumper may fall.



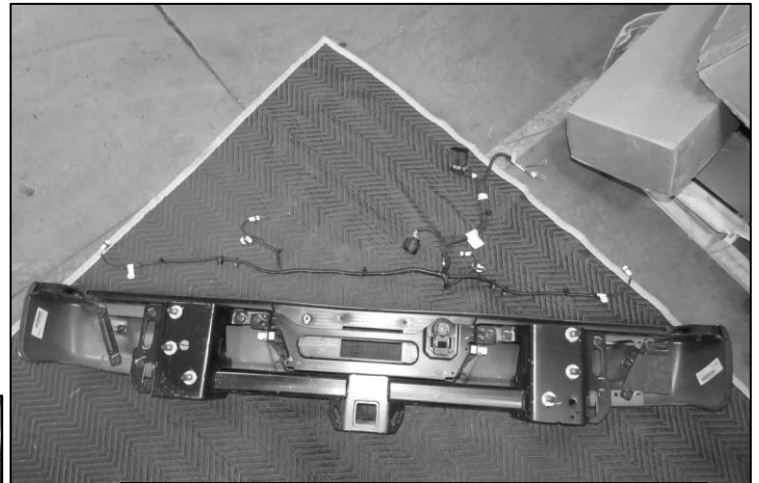
(Fig 3) Remove the hardware attaching the bumper assembly to the end of the frame for both sides. Assistance is required to hold the bumper in place during hardware removal.



(Fig 4) Unplug trailer harness from trailer plug behind the bumper.



(Fig 5) Bumper removed



(Fig 6) Disassemble the bumper to remove sensors, (if equipped), license plate lights, trailer plug, and wiring harness.



(Fig 7) On models with "HD" tow package with integrated hitch, remove hitch/bracket assembly from back of factory bumper.



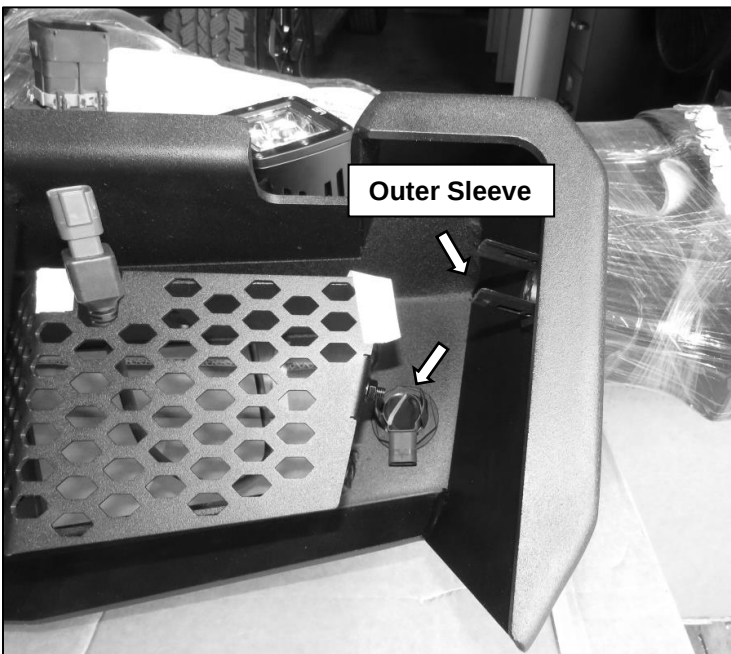
(Fig 8) Remove retaining clip on factory triple bolt plate to remove from hitch. If factory triple bolt plate is attached to bumper instead, remove from bumper.



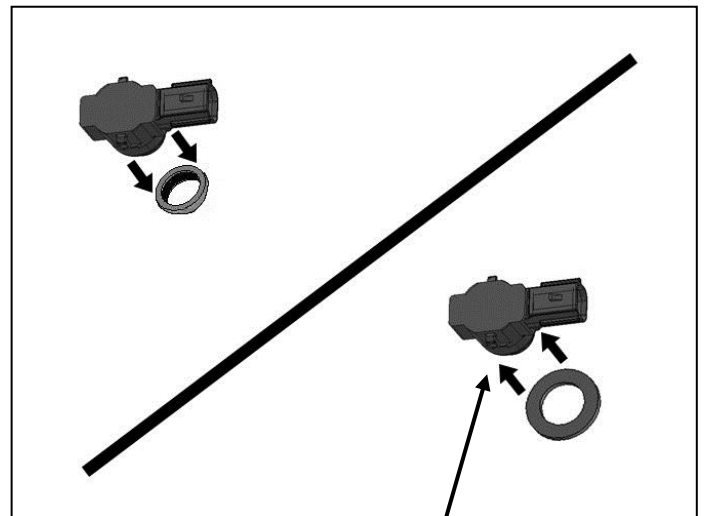
(Fig 9) Factory triple bolt plate removed from assembly. We will reuse on Ambush Rear Bumper.

2

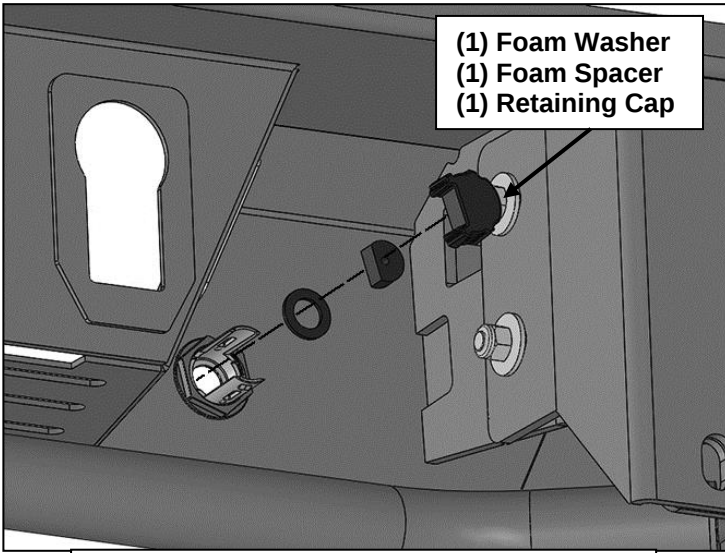
Follow (Fig 10 - 28) to prepare bumper for mounting and installation.



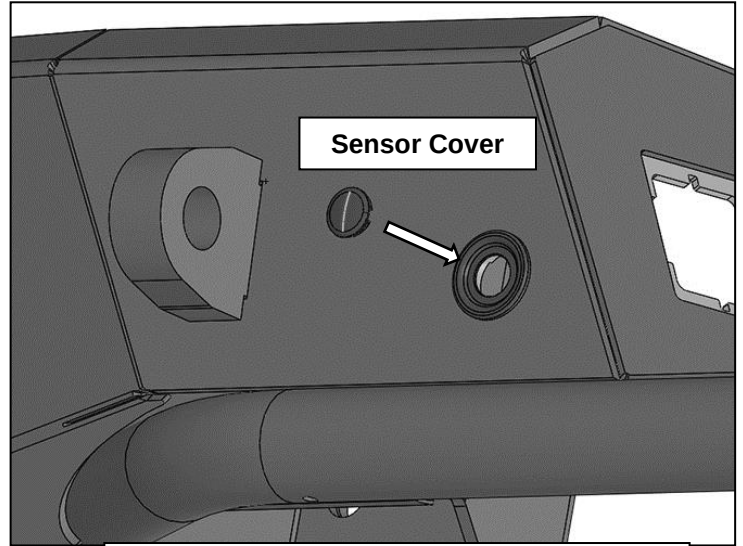
(Fig 10) If equipped, install all rear parking sensors onto Bumper. Bumpers with only four parking sensors should use inner four sleeves, with plastic cover on outer sleeves.



(Fig 11) Remove silicone seal from sensor. Slide large Seal over end of sensor



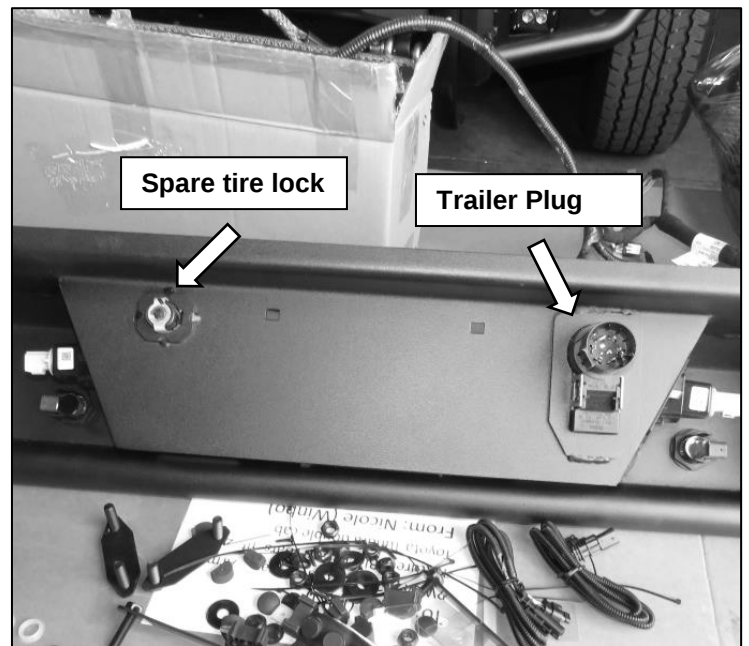
(Fig 12) Secure parking sensor using indicated hardware from back of bumper



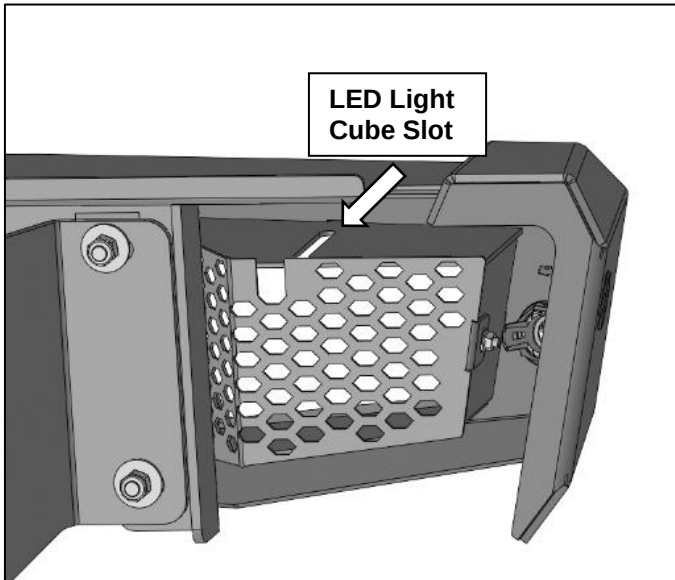
(Fig 13) If sensor sleeve does not have parking sensor installed, push sensor cover into the front of the sensor mounting sleeve



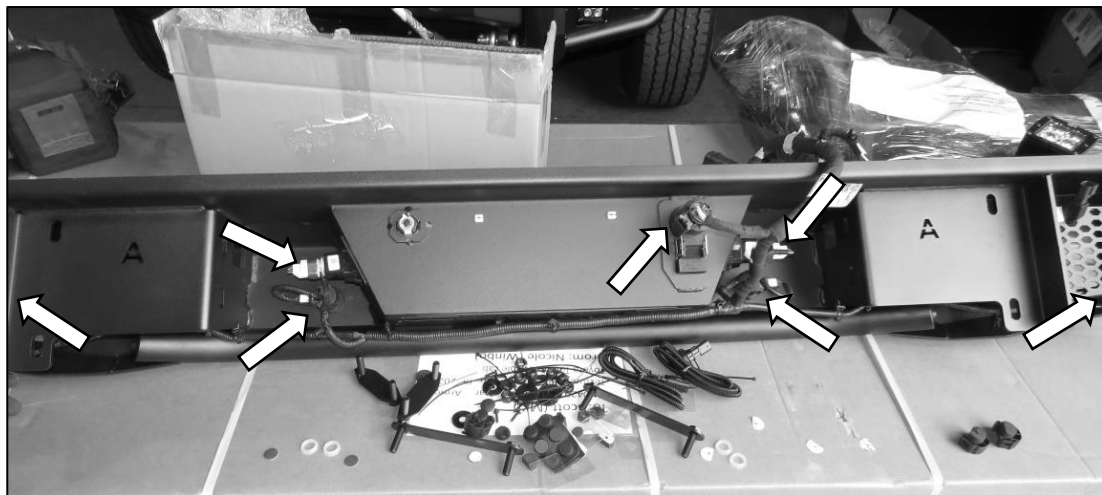
(Fig 14) Depending on model year (2021-2023 or 2024+), install license plate light brackets. Install factory license plate lights into the side wall slots on the bumper



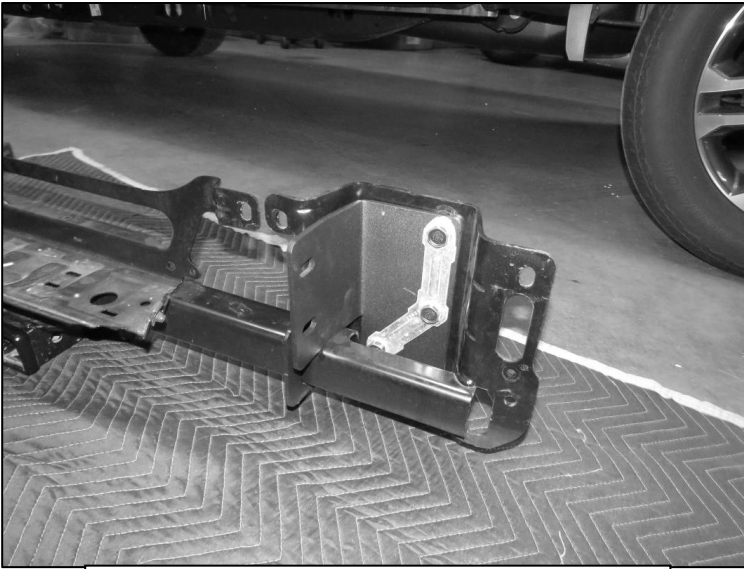
(Fig 15) Install spare tire lock and trailer plug.



(Fig 16) Install LED cubes if available. They will be hard to install after the bumper is on vehicle.



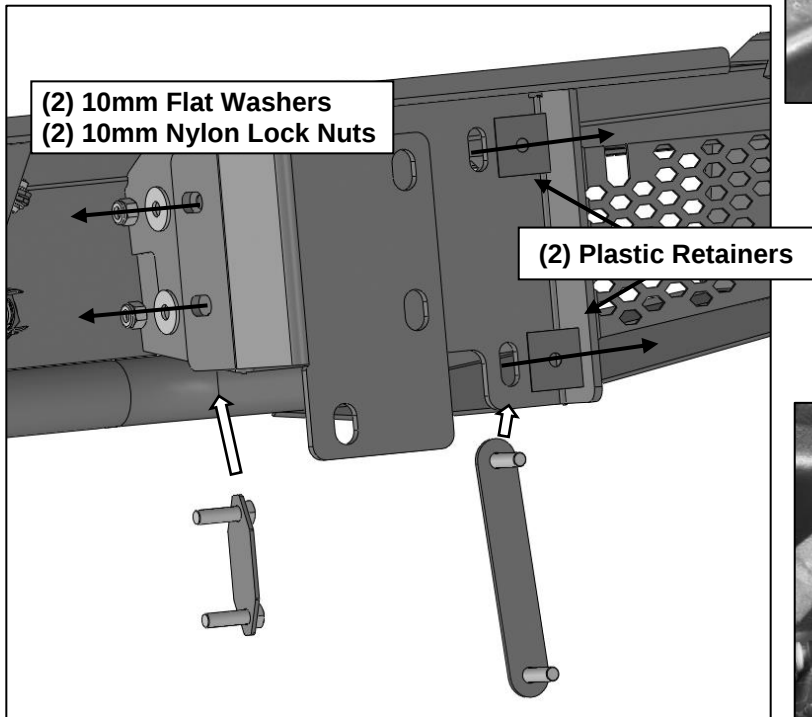
(Fig 17) Plug main wire harness to all parking sensors, both license plate lights, and trailer plug



(Fig 18) **IMPORTANT: FOR VEHICLES WITH TOW HOOK PACKAGE ONLY**, install brackets onto hitch assembly using factory triple bolt plate



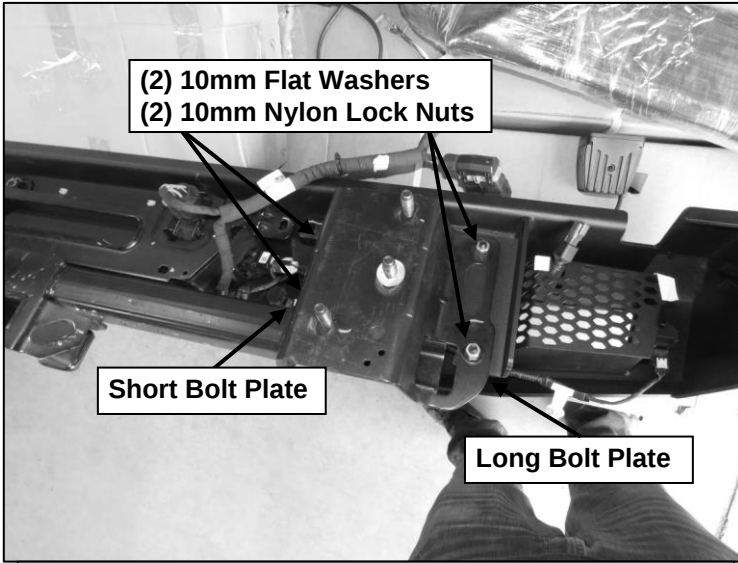
(Fig 19) Using factory retaining clips to keep the factory triple bolt plates in place



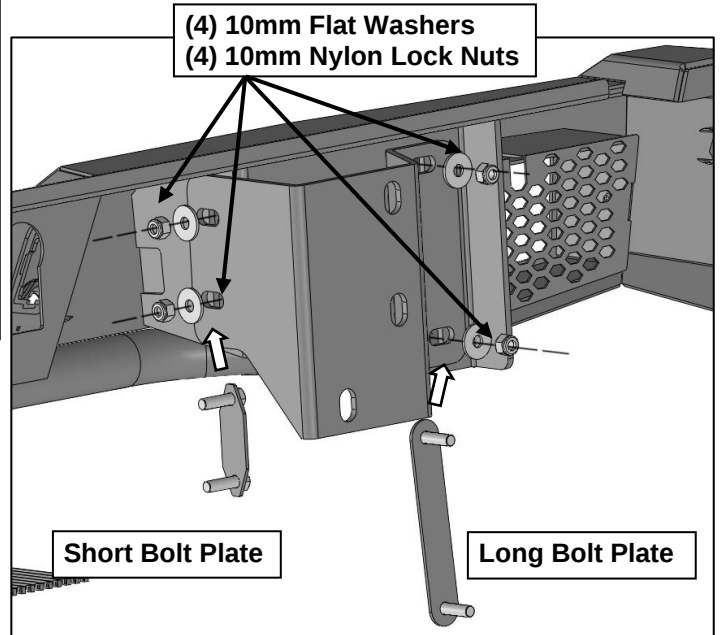
(Fig 20) Insert Long 10mm Double Bolt Plate into the back of Bumper. Use 10mm Plastic Retainers to hold Bolt Plate in position, and secure Short Double Bolt Plate with indicated hardware to secure bracket installed on hitch receiver. See Fig for Before and After.



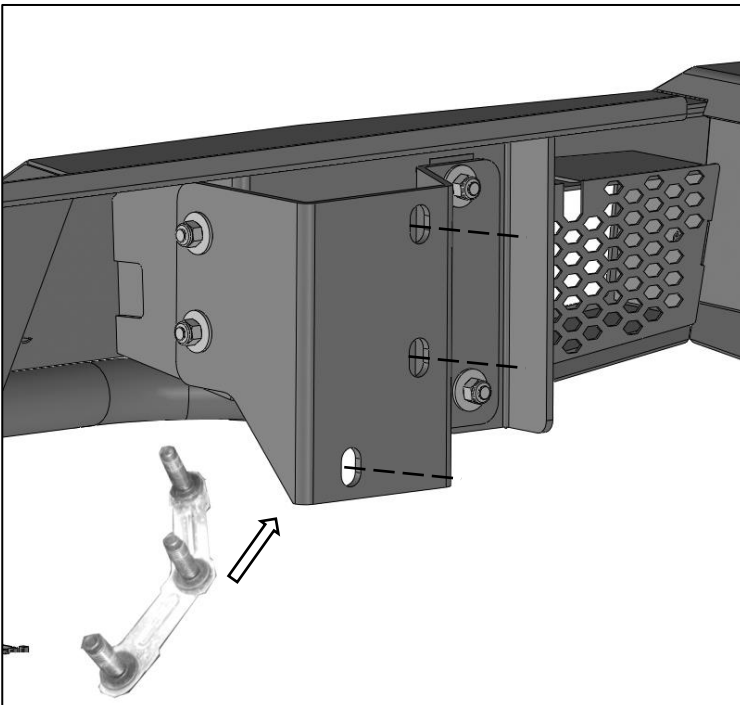
(Fig 21) Before: Long 10mm Double Bolt Plate in position with plastic retainers.



(Fig 22) After: Place hitch receiver with bracket onto bumper, then insert Short 10mm Double Bolt Plate on inner side to secure bracket while allowing Long 10mm Double Bolt plate to slot through hitch receiver slots. Use hardware to secure hitch receiver to Long 10mm Double Bolt Plate



(Fig 23) **IMPORTANT:** For vehicles WITHOUT tow hitch package only, install full bracket onto Bumper with indicated hardware. Install Factory Triple Bolt Plate behind bracket as well.



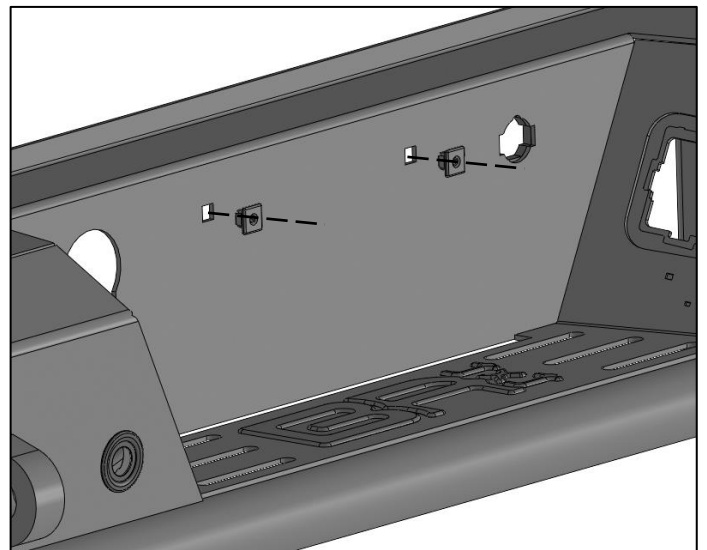
(Fig 24) Install Factory Triple Bolt Plate behind bracket. Use factory retaining clips to keep factory bolt plate in place.



(Fig 25) With assistance, lift Bumper assembly and align it with the end of vehicle frame. Slot in the Factory Triple Bolt Plate into the frame slots and secure with Factory Nuts.



(Fig 26) Plug in main wire harnesses and all other harnesses to vehicle. Ensure bumper is level before fully tightening all hardware.



(Fig 27) Insert square plugs for license plate and reinstall license plate.



(Fig 28) Installation Complete