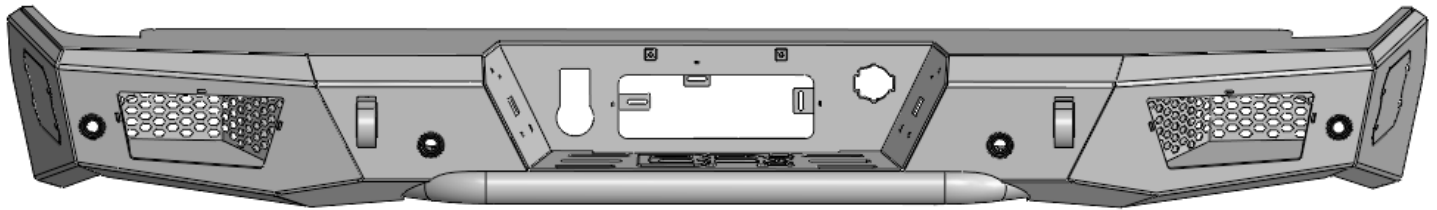


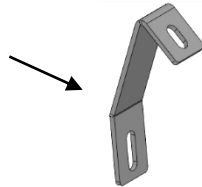
2020-2026 CHEVROLET SILVERADO 2500/3500 AMBUSH REAR BUMPER PART #GM-3166

PARTS LIST:

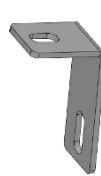
Qty	Description	Qty	Description
1	Ambush Rear bumper	4	12-1.75mm x 40mm Hex Bolt
2	Blind Spot Monitor Sensor Cover Plate	4	12mm Hex Nut
2	"J" Blind Spot Monitor Sensor Relocation Bracket	4	12mm Lock Washer
2	"L" Blind Spot Monitor Sensor Relocation Bracket	8	12mm x 37mm x 3mm Flat Washer
2	Plastic Plugs for License Plate	8	6-1.0mm x 20mm Hex Bolt
4	15.5mm x 25mm x 2mm Foam Washer	8	6-1.0mm x 20mm Allen Head Bolt
4	20mm x 10mm Adhesive Foam Spacer	2	6mm x 20mm Combo Allen Head Bolt
4	Plastic Sensor Plug	8	6mm Hex Nut
4	Retaining Cap	8	6mm Lock Washer
6	Sensor Cover Kit	16	6mm x 18mm x 1.6mm Flat Washer
4	12mm Plastic Retainer	1	S=4 Wrench
10	2.75x1x200 Cable Ties	4	Parking Sensor Wire Harness Extension



(2) "J" Rear BSM
Sensor Bracket



(2) "L" Front BSM
Sensor Bracket



Flat Washer



Lock Washer



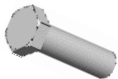
Hex Nut



Button Head Bolt



6mm Combo Bolt



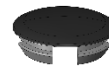
Hex Bolt



BSM Sensor
Plastic Cover



License Plate Plug



Sensor Plug



Retaining Cap



Foam Spacer



Foam Seal Washer



Sensor Cover Kit



Allen Key

TOOLS REQUIRED

 Ratchet	 Socket	 Extensions	 Wrench
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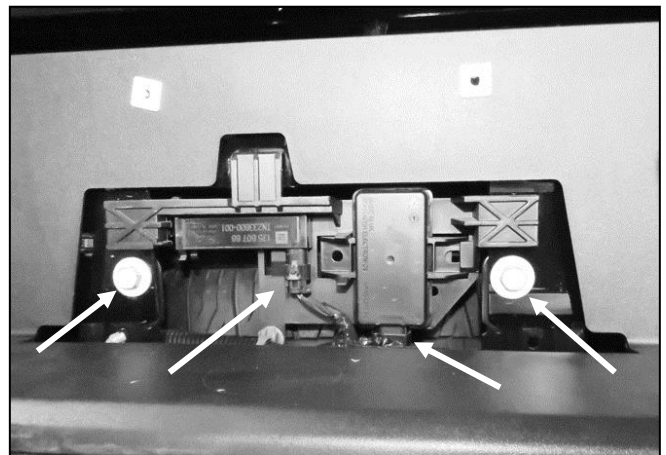
PRODUCT CARE AND MAINTENANCE

- 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 - 7)** to remove the factory rear bumper.



(Fig 1) Remove the license plate from the rear bumper



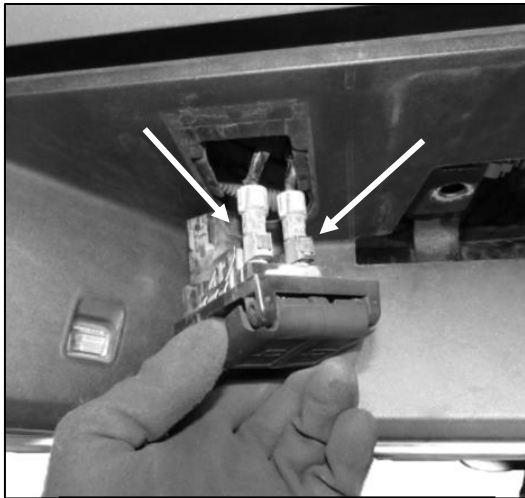
(Fig 2) Release the wiring harnesses leading to the sensor and antenna if equipped. Remove the (2) factory bolts from behind the license plate.



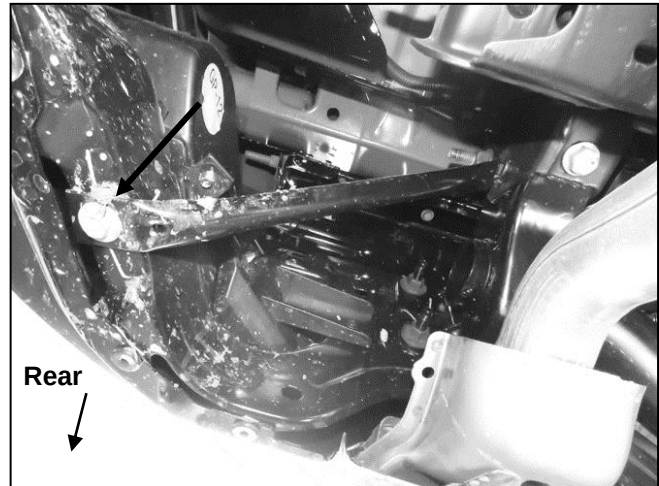
(Fig 3) Unplug all wire harnesses leading to the Bumper



(Fig 4) Disconnect the trailer plug
Note: Some vehicles have additional wires on the trailer plug that must be disconnected

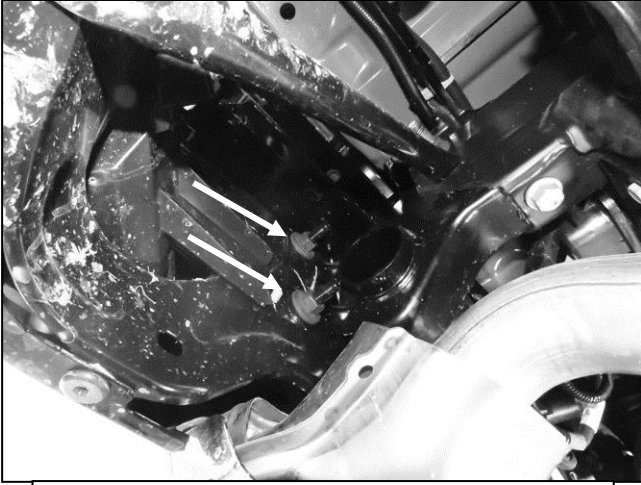


(Fig 4a) Disconnect all wires from the trailer plug (trailer plug pulled out for illustrative purposes)



(Fig 5) Remove the bolts attaching the outer bumper supports to the bottom of the bumper (passenger side shown)

WARNING! Before removing hardware, fully support the weight of the bumper with blocks or stands to prevent injury or damage to the vehicle.



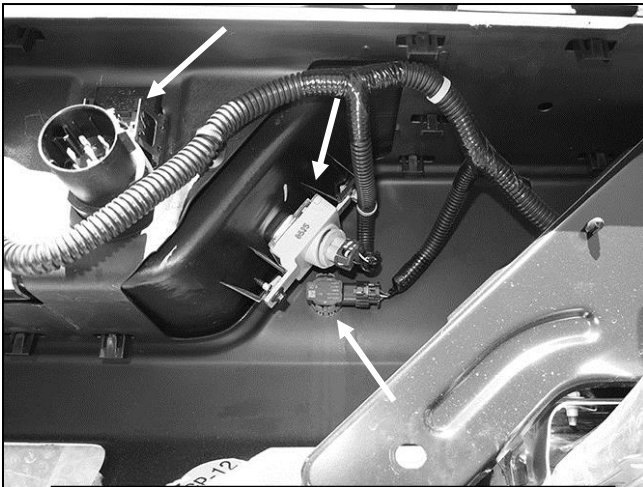
(Fig 6) Remove the (2) flange nuts per side attaching the bumper to the frame, then carefully remove the bumper from the vehicle (passenger side shown)



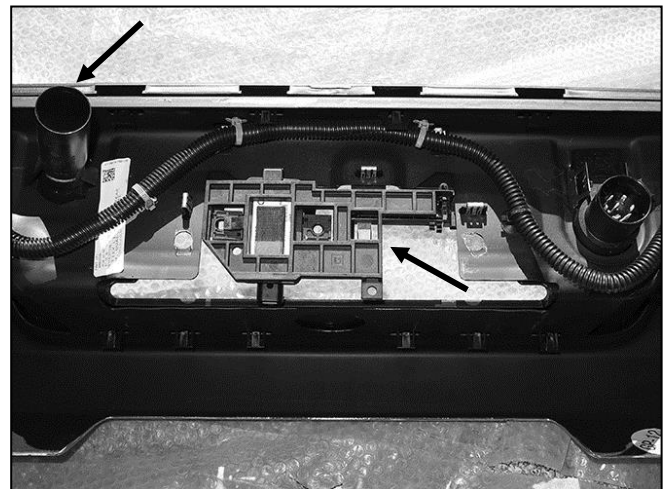
(Fig 7) Remove the outer bumper supports from both sides of the frame (driver side shown)

2

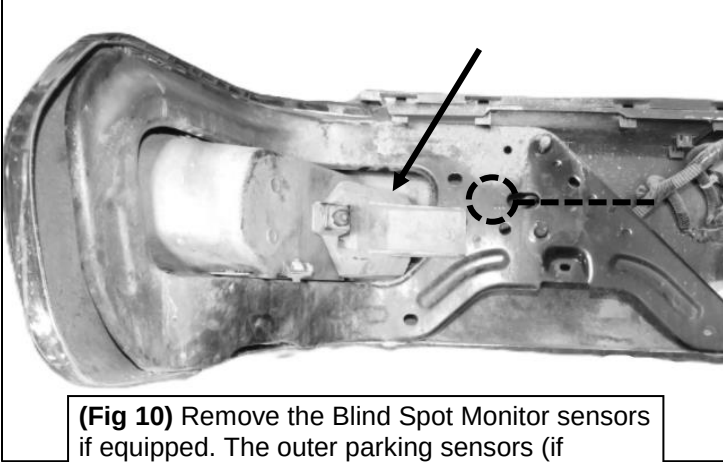
Follow **(Fig 8 - 24)** to prepare the Bumper for installation.



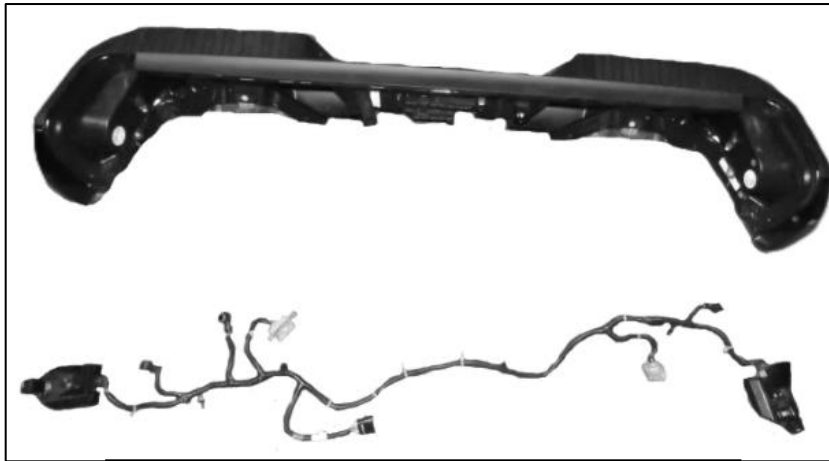
(Fig 8) Remove the license plate lights, the trailer plug, and parking sensors (if equipped)



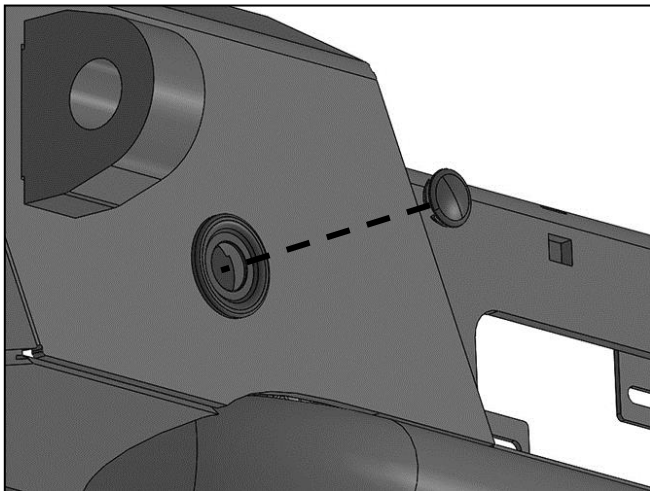
(Fig 9) Remove the remote antenna with TPMS assembly and spare tire access tube from the back of the bumper.



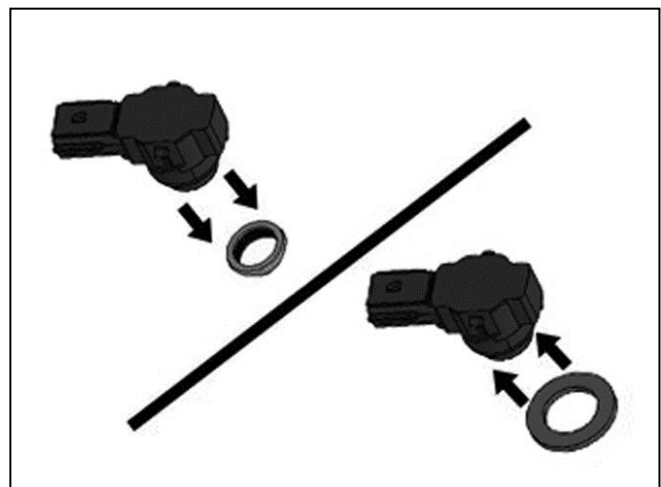
(Fig 10) Remove the Blind Spot Monitor sensors if equipped. The outer parking sensors (if equipped) are located behind the metal bumper mount structure (passenger side shown)



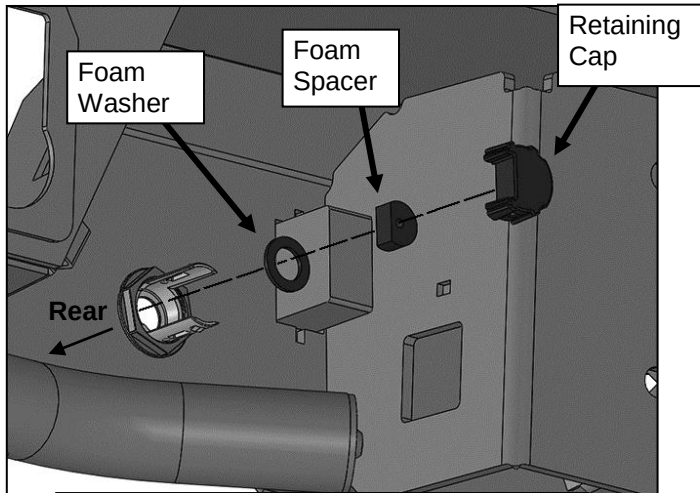
(Fig 11) Remove the wire harness from the bumper



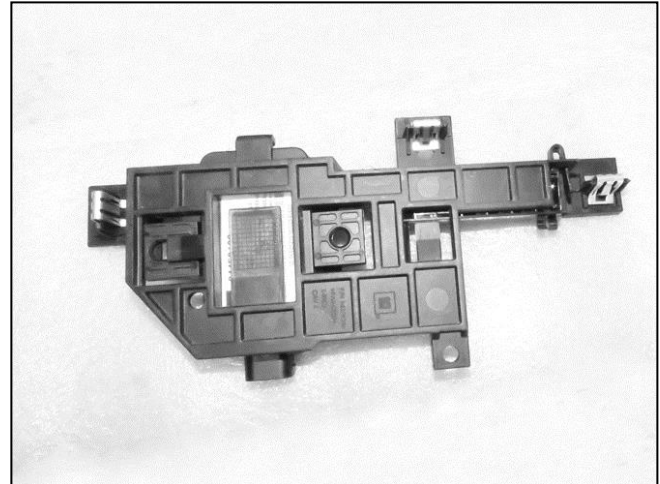
(Fig 12) Models without parking sensors, insert Sensor Plugs into sensor mounts



(Fig 13) Models with parking sensors, remove the rubber seal from sensor. Slide Foam Seal over end of sensor

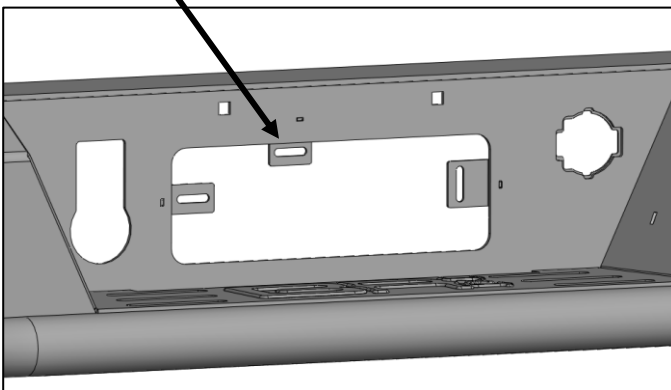


(Fig 14) Insert sensor assembly into the sensor sleeve. Secure with Retaining Clip. Use the Sensor Harness Extensions if the factory wire harness is not long enough to reach the parking sensors



(Fig 15) Remote antenna with TPMS assembly

Mounting tabs for remote antenna assembly



(Fig 16) Attach remote antenna assembly to slots in mounting tabs

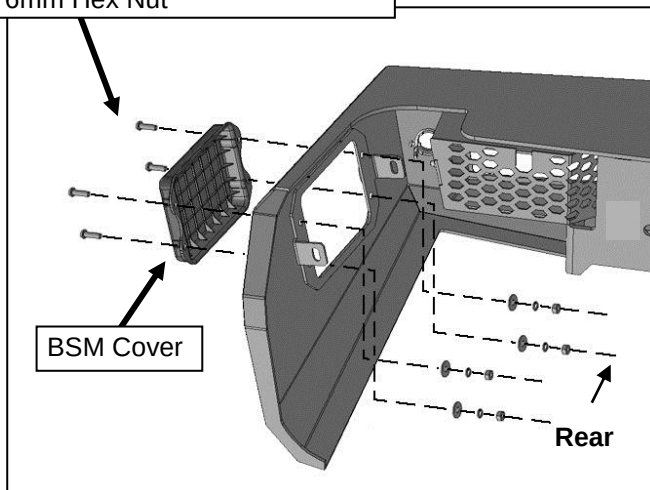


(Fig 17) Attach remote antenna assembly installed on the Bumper

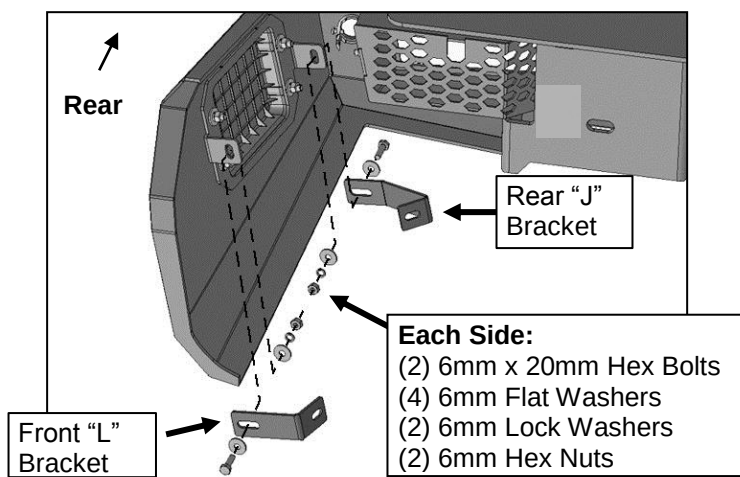
INSTALLATION INSTRUCTIONS

Each Side:

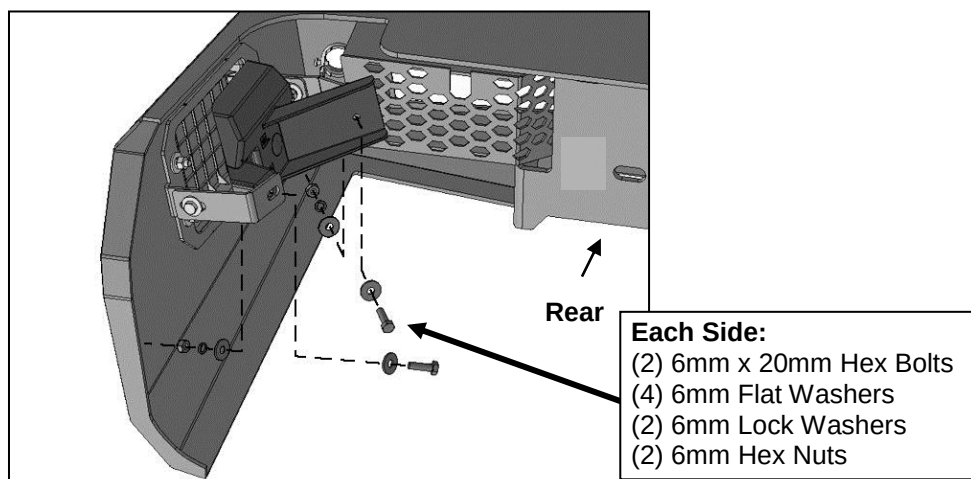
- (4) 6mm x 20mm Button Head Bolt
- (4) 6mm Flat Washer
- (4) 6mm Lock Washer
- (4) 6mm Hex Nut



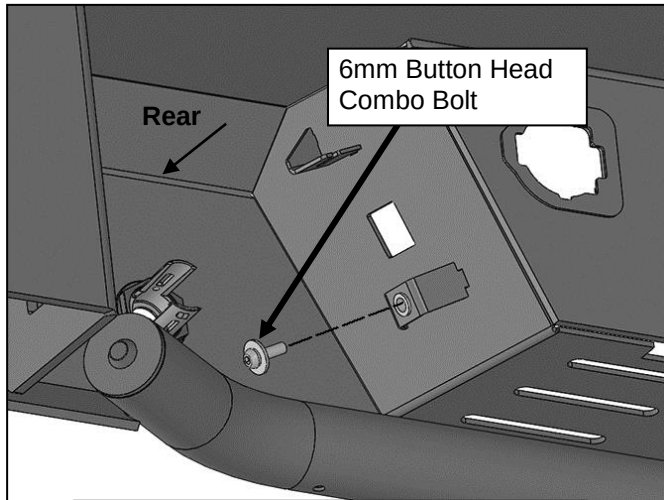
(Fig 18) Models with BSM sensors, attach Plastic Sensor Covers to outside of Bumper



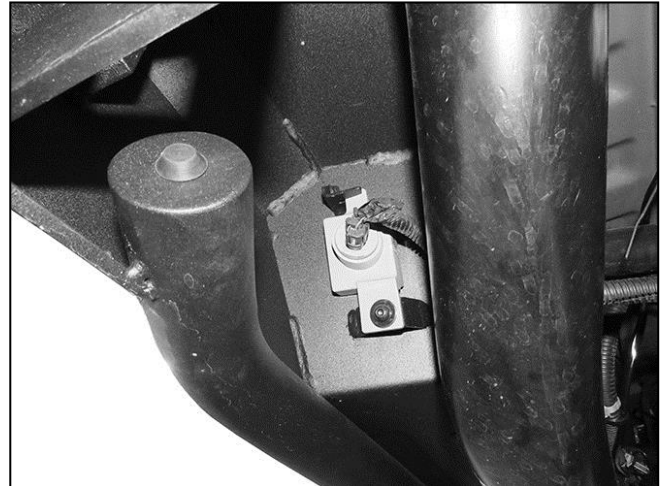
(Fig 19) Attach BSM Brackets to tabs on inside of Bumper



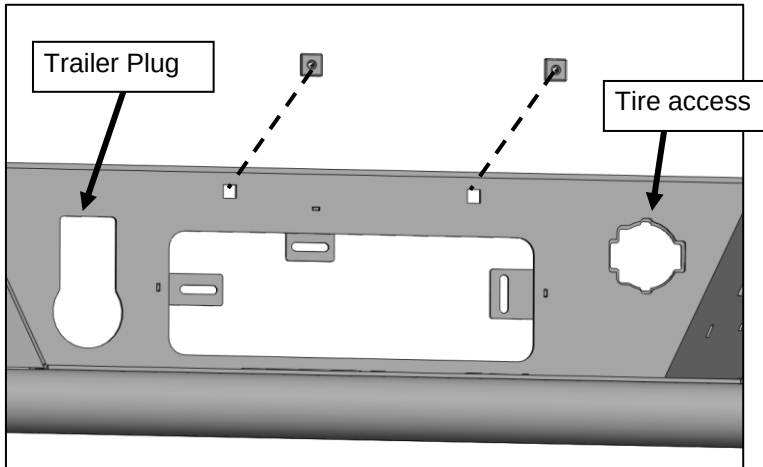
(Fig 20) Attach sensor to Brackets on Bumper



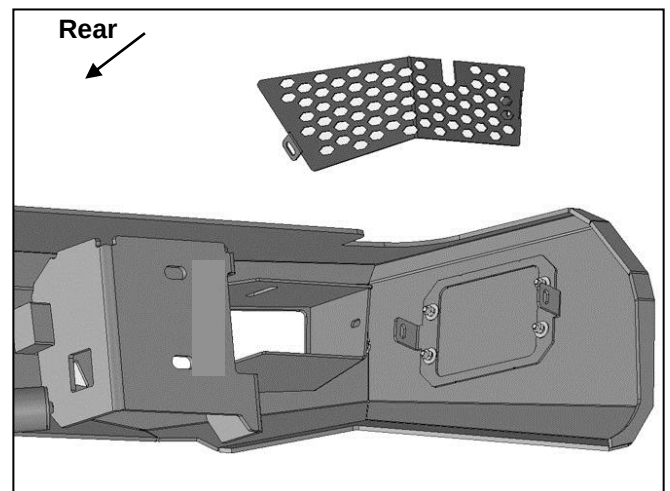
(Fig 21) Attach factory license plate lights



(Fig 22) Passenger/right license plate light installed



(Fig 23) Insert Plastic Plugs for license plate, Trailer Plug, and Tire Access Tube



(Fig 24) Remove screens for light clearance before installing Bumper

3

Follow **(Fig 25-27)** to apply finishing steps for bumper installation. Be sure to check fasteners and double check to make sure all electrical harnesses are plugged in.

Each Side:

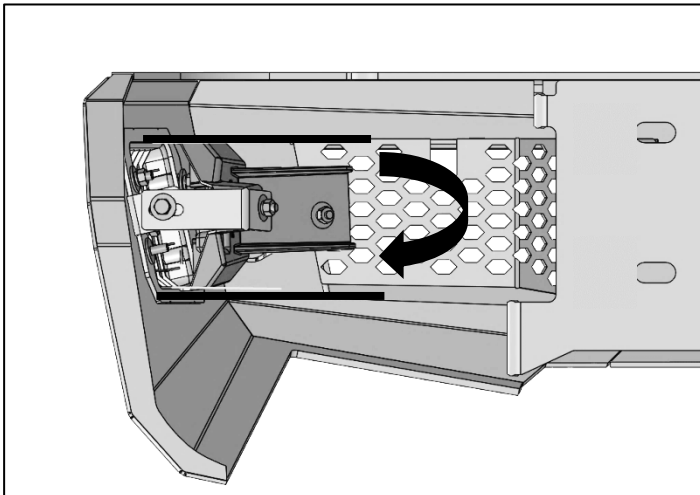
- (2) 12mm x 40mm Hex Bolt
- (2) Plastic Retainer
- (4) 12mm Flat Washer
- (2) 12mm Lock Washer
- (2) 12mm Hex Nut



(Fig 25) Attach Bumper to frame (driver side shown)



(Fig 26) Adjust Bumper and tighten hardware (lights not included)



(Fig 27) Vehicles with BSM:

If the BSM sensors are not operating correctly after installation, additional adjustment is needed. Start with the sensors positioned parallel to the ground (or top surface of bumper), then continue to test and adjust until the sensors are operating correctly