

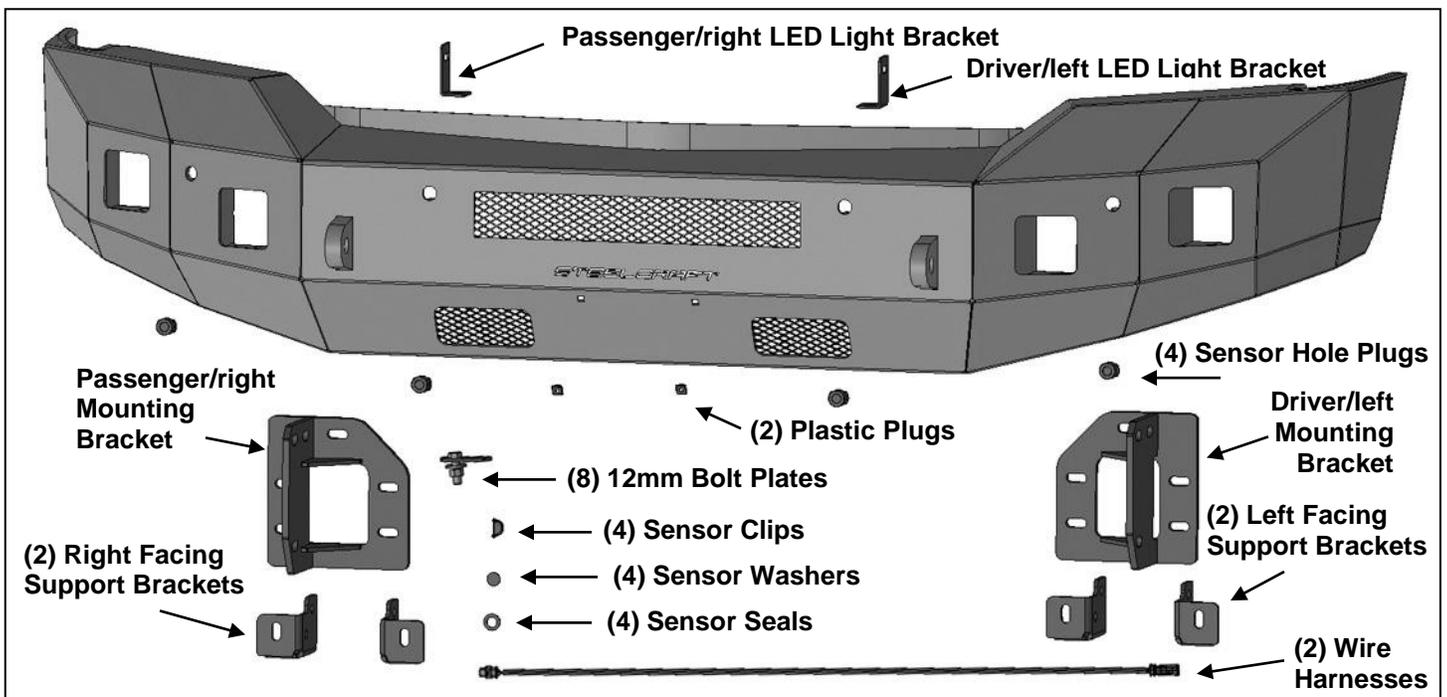
INSTALLATION INSTRUCTIONS

**FORTIS FRONT BUMPER
2019 CHEVY SILVERADO 1500**

**FORTIS FRONT BUMPER
2019 CHEVY SILVERADO 1500**

PARTS LIST:

1	Fortis Front Bumper Assembly	1	Sensor Cover Kit
1	Driver/left Mounting Bracket	8	12-1.75mm Bolt Plates
1	Passenger/right Mounting Bracket	10	12-1.75mm x 50mm Hex Bolts
2	Left Facing Support Brackets	28	12mm x 32mm x 3mm Flat Washers
2	Right Facing Support Brackets	18	12mm Lock Washers
1	Driver/left LED Bracket	18	12mm Hex Nuts
1	Passenger/right LED Bracket	2	8-1.25mm x 25mm Hex Bolt
2	Plastic Plugs for License Plate	2	8-1.25mm x 16mm Hex Bolt
2	Sensor Wire Harness Extensions	6	8mm x 24mm x 2mm Flat Washer
4	15.5mm x 25mm x 2mm Foam Seals	4	8mm Lock Washer
4	20mm x 2mm Foam Washers	2	8mm Hex Nut
4	Sensor Retaining Clips	8	4mm x 10mm Button Head Bolt
4	Rubber Sensor Plugs	1	2.5mm Wrench
2	Rubber Edge Trim		



PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE.

1. Open the hood and remove the plastic cover from the top of the grille and radiator, **(Figure 1)**. Unplug grille mounted camera if equipped. Next, remove the screws attaching the grille to the radiator core support. Once all hardware has been removed, firmly pull the grille straight out from the vehicle to release the grille from the clips, **(Figure 2)**. Place grille on a clean, soft surface.
2. Remove the license plate and bracket. On models with factory fog lights and/or bumper sensors, unplug the wiring harness leading to the bumper, **(Figure 3)**. **NOTE:** Wiring harness connector is located up and behind the passenger/right side of the bumper. Release clips attaching passenger/right fender liner to access plug for harness. Move harness away from bumper.
3. From behind the driver/left side of the bumper, remove the outer bumper support connected to the side of the frame and the outer end of the bumper, **(Figure 4)**.
4. Remove the hex bolt attaching the lower bumper support to the bottom of the frame, **(Figure 5)**.
5. Repeat **Steps 3 & 4** to remove the passenger/right outer and lower bumper supports.

**FORTIS FRONT BUMPER
2019 CHEVY SILVERADO 1500**

6. Move back to the top of the bumper. Pull back the end of the rubber cover between the bumper and the radiator to expose the bolts attaching the top of the bumper bracket to the frame, **(Figure 6)**.
7. Place blocks or jack stands under the front bumper to support it during mounting bolt removal. Once the bumper has been safely supported, remove the bumper bolts attaching the bumper assembly to the top of the bumper bracket, **(Figure 6)**. **WARNING!** Assistance is required to hold the bumper in place during bolt removal to prevent the bumper from falling. Carefully slide the bumper assembly with brackets off of the ends of the frame.
8. Remove both bumper brackets and tow hooks, (if equipped), from the end of the frame, **(Figure 7)**.
NOTE: Tow hooks cannot be reinstalled.
9. Reinstall the plastic grille, camera if equipped and cover removed in **Step 1, (Figure 8)**.
10. Select (1) Left Facing and (1) Right Facing Support Bracket, **(Figure 9)**. Starting on the driver/left side, attach the Right Facing Support Bracket to the inner facing side of the frame with (2) 12mm Bolt Plates, (2) 12mm Flat Washers, (2) 12mm Lock Washers and (2) 12mm Hex Nuts, **(Figures 9 & 10)**. Repeat this Step to attach (1) Left Facing Support Bracket to the outer facing side of the frame, **(Figures 9 & 10)**. Do not tighten hardware at this time.
11. Select the driver/left Frame Mounting Bracket, **(Figure 11)**. Reuse the (3) factory bumper bolts to attach the top mounting holes on the Mounting Bracket to the threaded bumper mount, **(Figures 11 & 12)**. Attach the (2) lower holes in the Mounting Bracket to the (2) Support Brackets with (2) 12mm x 50mm Hex Bolts, (4) 12mm Flat Washers, (2) 12mm Lock Washers and (2) 12mm Hex Nuts, **(Figures 11 & 12)**. Snug but do not fully tighten hardware at this time.
12. Repeat **Steps 10 & 11** to install the passenger/right Support Brackets and Frame Bracket, **(Figure 13)**.
13. Determine if the vehicle is equipped front sensors:

Models without bumper sensors:

- a. Select the included (4) Rubber Plugs.
- b. From behind bumper, push plugs into sensor mounting holes, **(Figure 14)**. Screws have been provided to lock the plugs in the sleeve. Use is optional.

Models with bumper mounted sensors:

- a. Disassemble front bumper to unplug and remove sensors and wiring harness from bumper.
 - b. Select (1) sensor. Remove the silicone seal from the end of the sensor. Slide the included larger Foam Sensor Seal over front of sensor, **(Figure 15)**.
 - c. Insert sensor with Seal into sensor mount, **(Figure 16)**.
 - d. Place Foam Washer over end of sensor. Push Sensor Retaining Clip into sensor mount and lock into mounting holes, **(Figure 16)**.
 - e. Repeat previous Steps to install remaining sensors.
 - f. Install wiring harness for sensors. **NOTE:** it may be necessary to remove some of the protective wrap around the harness to reach all sensor mounts. Use the included Wire Harness Extensions to reach the outer sensors as necessary.
 - g. **Optional:** Secure each sensor to the socket with (2) 4mm x 10mm Button Head Screws, **(Figure 14)**. **IMPORTANT:** Sensors fit snug in sockets. The 4mm Screws are used to apply slight pressure to lock the sensors in place. Tighten both screws evenly until they touch the sensor body only. Do not overtighten screws or damage to sensors will result.
- 14. Center LED light installation (sold separately).**
- a. Select the L/R "L" Brackets, **(Figure 17)**. Attach the Brackets to the top of the (2) mounting tabs welded onto the back of the bumper with the included 8mm x 25mm Hex Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts. Leave loose at this time.
 - b. Attach the LED light assembly to the "L" Brackets with the included (2) 8mm x 16mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, **(Figure 17)**. Do not fully tighten hardware at this time. **IMPORTANT:** "L" Brackets are designed for 8mm light mounting hardware only. Modify "L" Brackets if necessary or use brackets supplied by the light manufacturer if possible, to install hardware larger than 8mm.
 - c. Follow light manufacturer's instructions to properly wire the light.
- 15. Attach included Edge Trim to edge of Bumper to protect painted finish on front of fenders, (Figure 18).**
NOTE: Edge Trim is provided to protect fender during installation only, remove Trim after Bumper is fully installed and adjusted.

**FORTIS FRONT BUMPER
2019 CHEVY SILVERADO 1500**

16. With assistance, position the Bumper Assembly up to the frame. Temporarily support the weight of the Bumper. **WARNING:** To avoid possible injury or damage to the vehicle, do not proceed until the Bumper is fully and safely supported.
17. Line up the (3) holes in the driver/left side of the Bumper with the (3) holes in the Bracket, **(Figure 19)**. Attach the mounting plate on the back of the Bumper to the Bracket with the included (3) 12mm x 50mm Hex Bolts, (6) 12mm Flat Washers, (3) 12mm Lock Washers and (3) 12mm Hex Nuts, **(Figures 19 & 20)**. Do not fully tighten hardware at this time. Repeat this **Step** to attach the passenger/right side of the Bumper to the Bracket.
18. Level and adjust the bumper and fully tighten all 12mm hardware to 65-70ft-lbs.
19. Use the included (2) push-in Plastic Plugs to attach the front license plate, (if required), to the (2) square holes in the center of the Bumper, **(Figure 21)**.
20. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

To protect your investment, Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Front Bumper assembly.

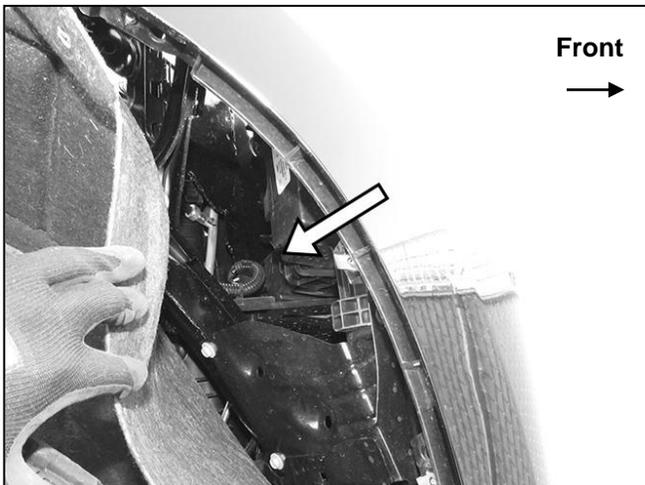
Driver/left Side Installation Pictured



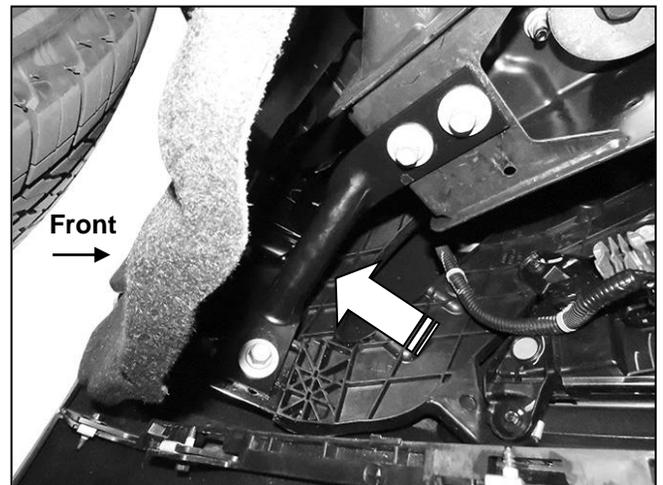
(Fig 1) Remove cover and screws attaching grille



(Fig 2) Firmly pull grille straight out from vehicle



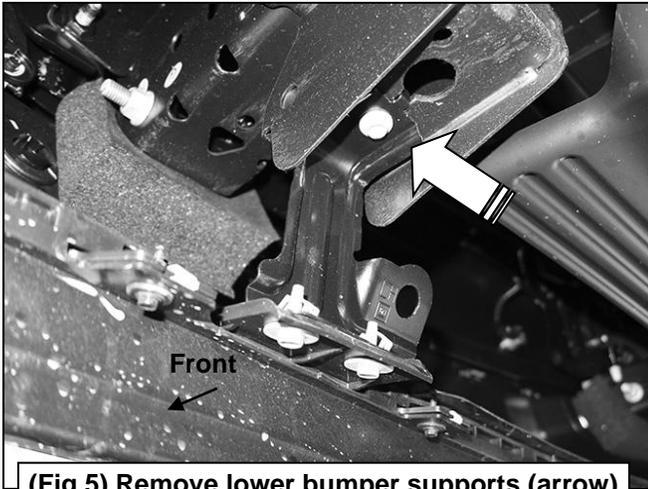
(Fig 3) Through the passenger/right fender liner, unplug wiring harness leading to front bumper (arrow)



(Fig 4) Remove outer bumper supports (arrow)

Driver/left Side Installation Pictured

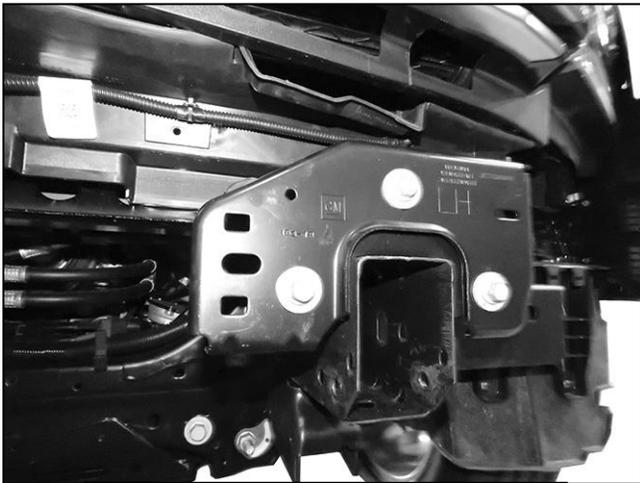
WARNING! Do not crawl under bumper unless the bumper is properly supported on blocks or stands or the bumper may fall.



(Fig 5) Remove lower bumper supports (arrow)



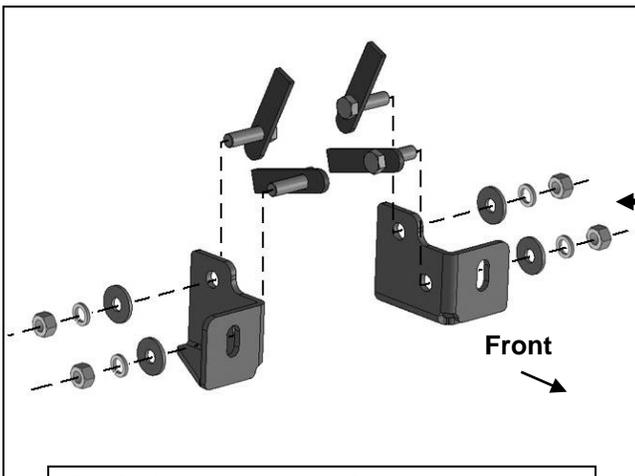
(Fig 6) Pull back cover to locate top bumper bolts



(Fig 7) Remove factory bumper brackets and tow hooks if equipped



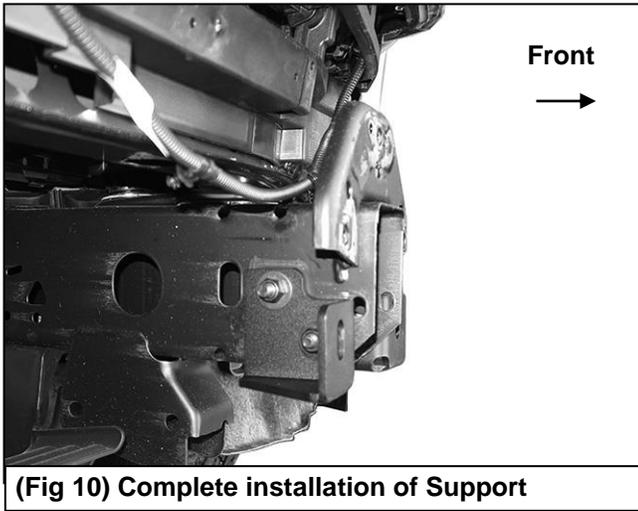
(Fig 8) Reinstall grille and cover



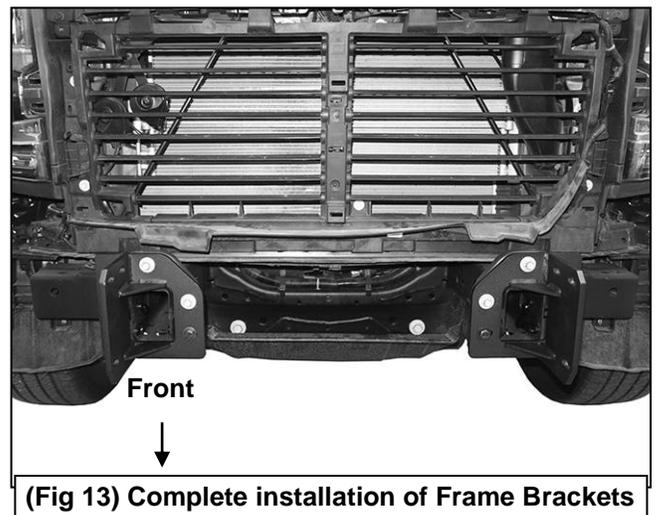
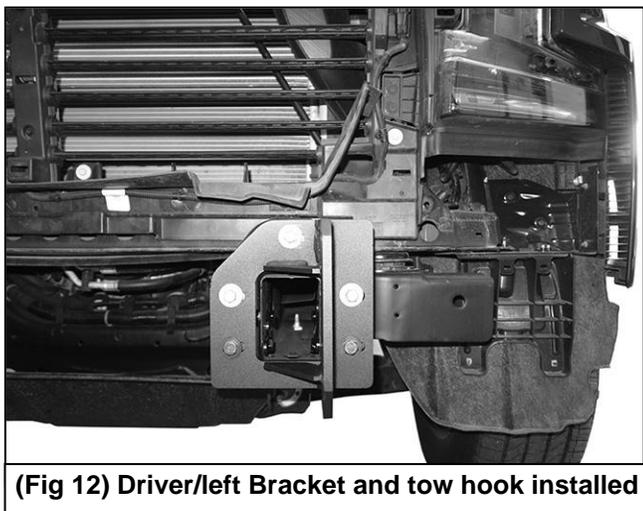
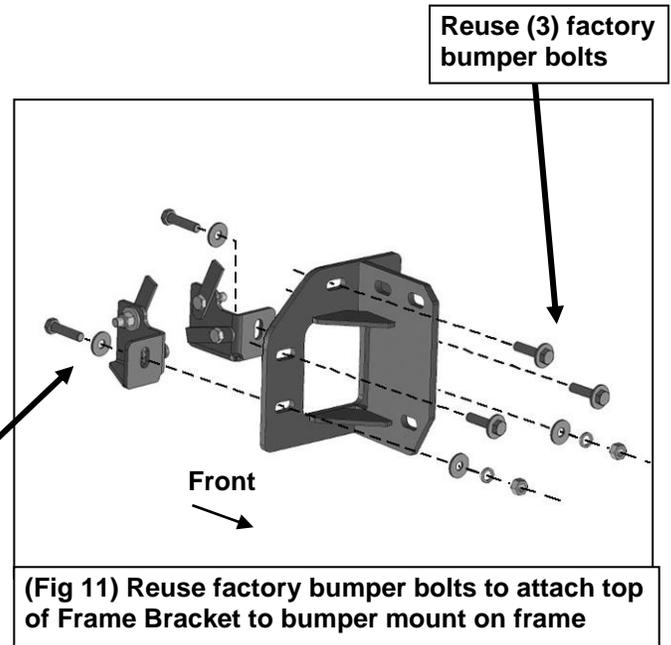
(Fig 9) Attach Support Brackets to frame

- 12mm Bolt Plates
- 12mm Flat Washers
- 12mm Lock Washers
- 12mm Hex Nuts

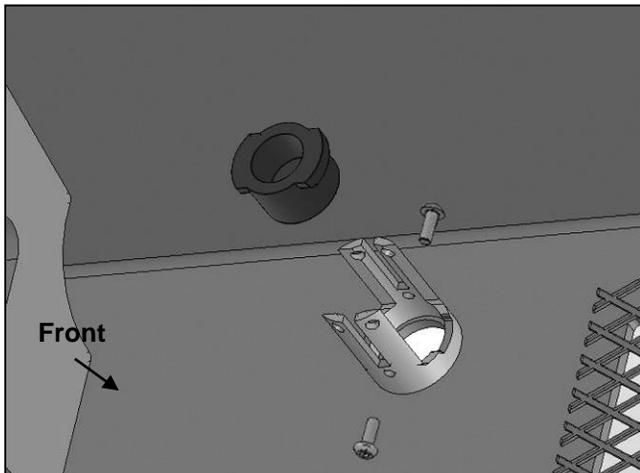
Driver/left Side Installation Pictured



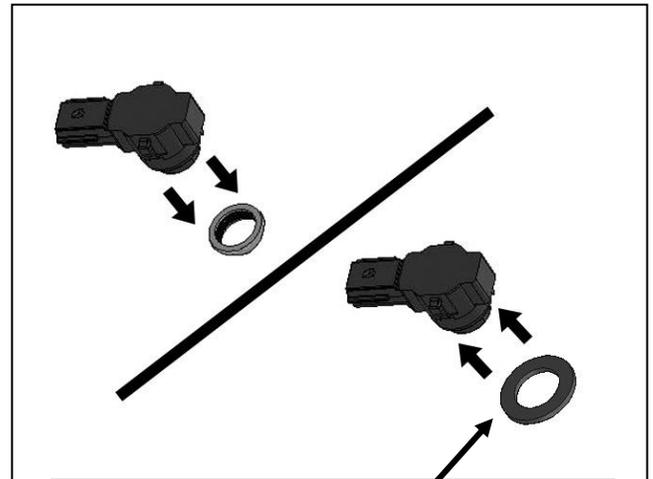
- (2) 12mm x 50mm Hex Bolts
- (4) 12mm Flat Washers
- (2) 12mm Lock Washers
- (2) 12mm Hex Nuts



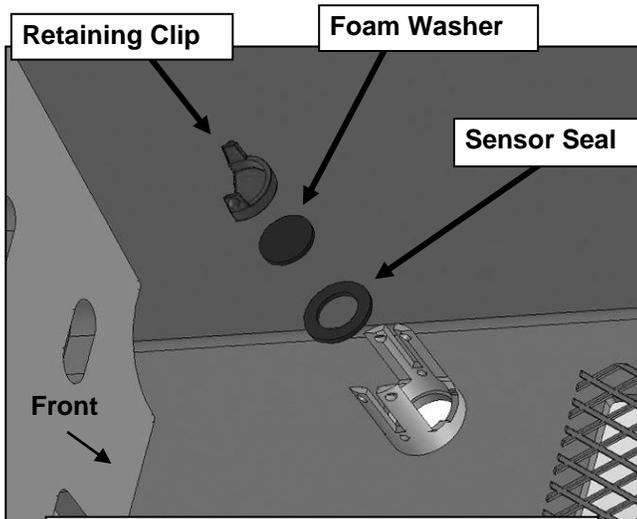
Driver/left Side Installation Pictured



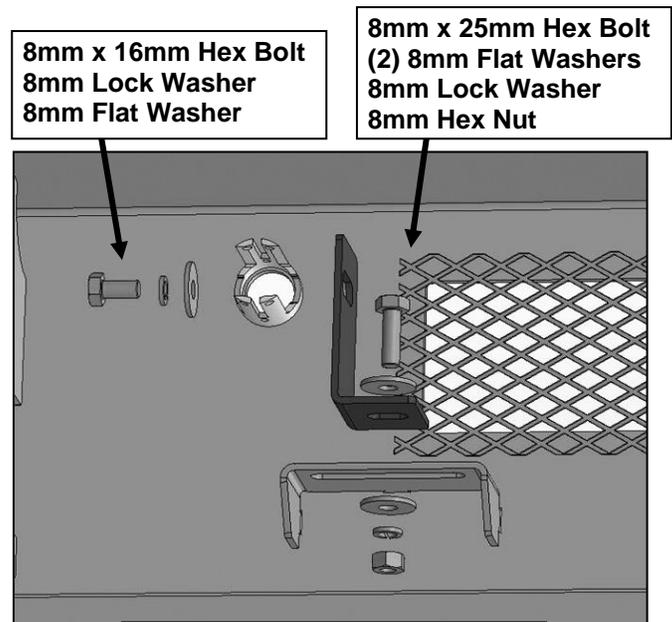
(Fig 14) Push sensor plug into mounting sleeve



(Fig 15) Remove silicone seal from sensor. Slide large Seal over end of sensor (arrow)



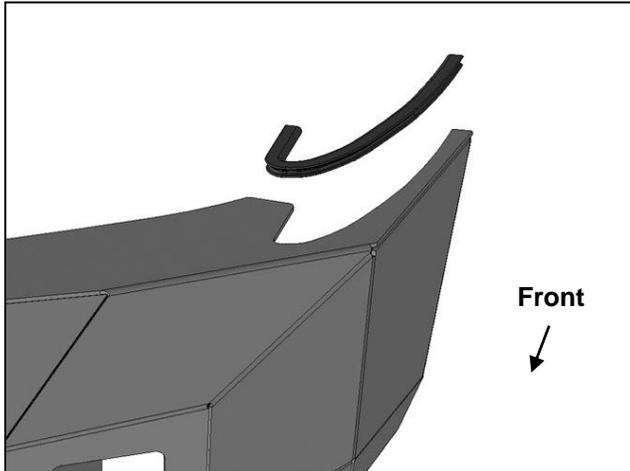
(Fig 16) Insert sensor assembly through the sensor sleeve on back of Bumper



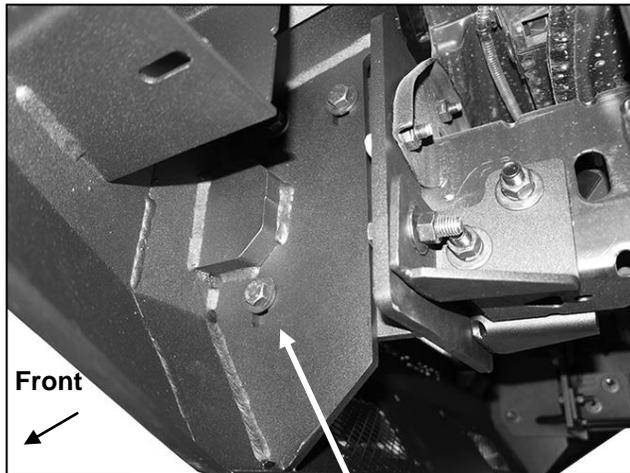
(Fig 17) Universal LED Brackets

**FORTIS FRONT BUMPER
2019 CHEVY SILVERADO 1500**

Driver/left Side Installation Pictured



(Fig 18) Temporarily apply Rubber Trim to inner edge of Bumper, remove after Bumper installation is complete



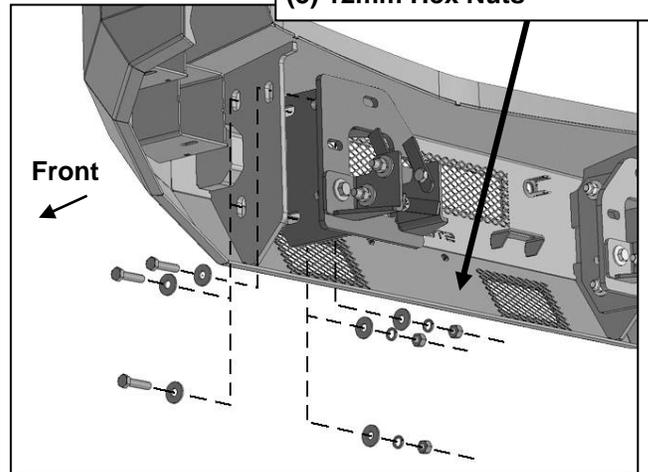
(Fig 20) Driver/left side of Bumper attached to Bracket



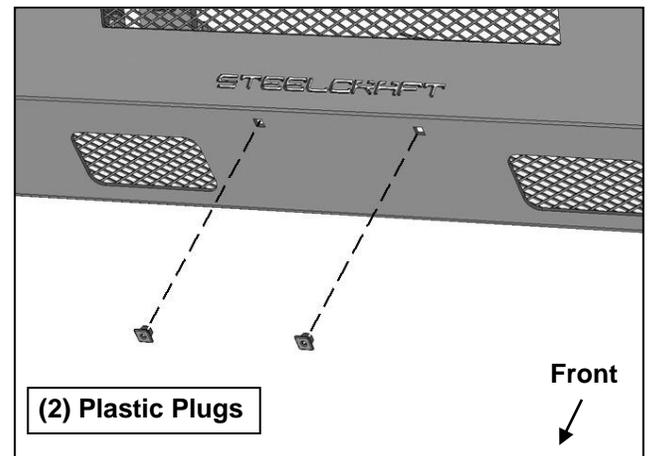
Complete Installation

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

- (3) 12mm x 50mm Hex Bolts**
- (6) 12mm Flat Washers**
- (3) 12mm Lock Washers**
- (3) 12mm Hex Nuts**



(Fig 19) Attach the Bumper to Frame Bracket



(Fig 21) Attach License Plate Bracket to Bumper