



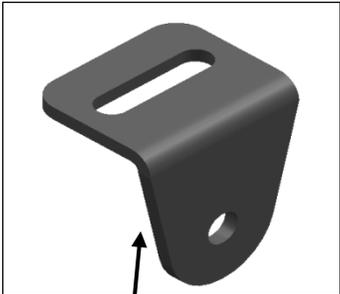
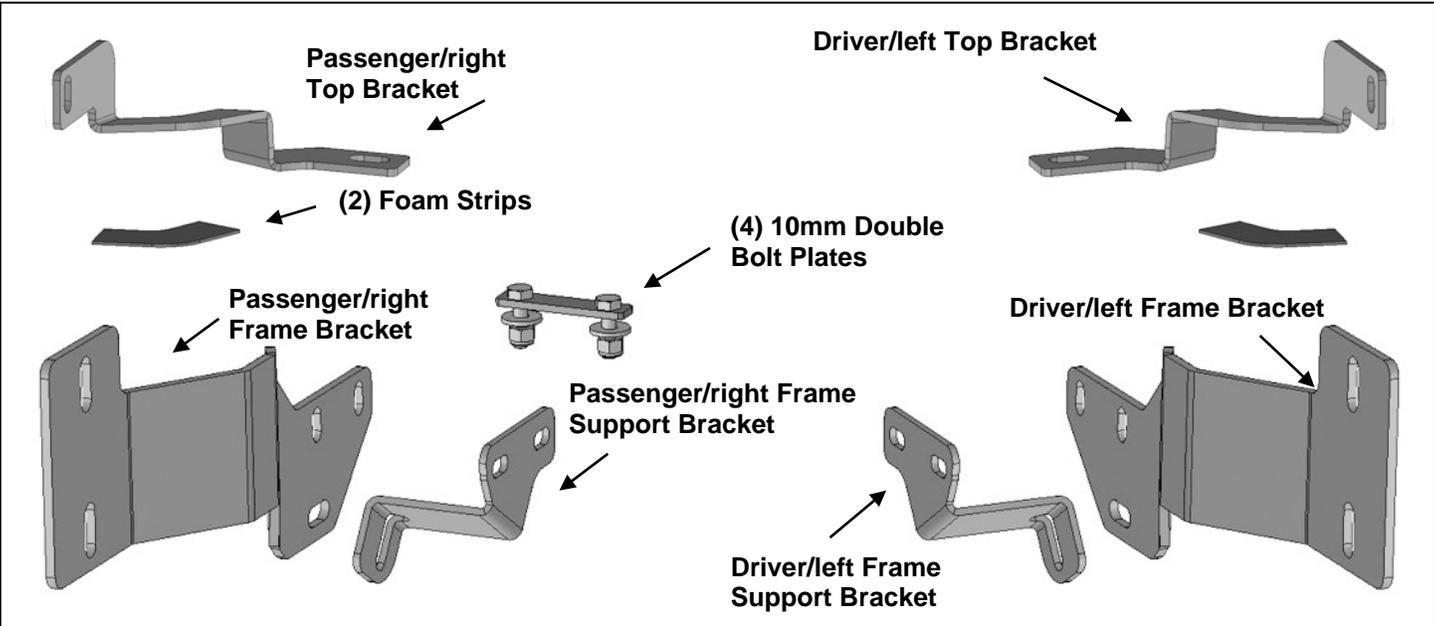
TEL: 1-866-XANATOS

INSTALLATION INSTRUCTIONS

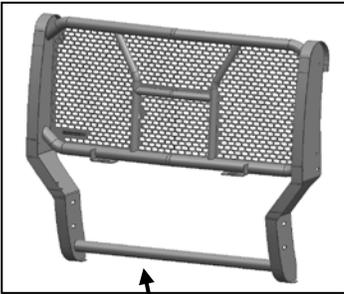
**MODULAR RUGGED GRILLE GUARD
2020-21 GMC SIERRA 2500/3500
PART# RU-GMSI20-B**

PARTS LIST:

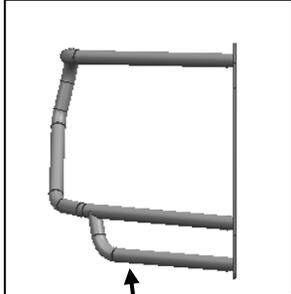
1	Main Body	2	12mm x 24mm OD x 2.5mm STD Flat Washers
1	Passenger/Right Brush Guard	6	12-1.75mm Nylon Lock Nuts
1	Driver/Left Brush Guard	4	10mm x 35mm Double Bolt Plates
2	LED lamp Bracket	4	10-1.5mm x 130mm Hex Bolts
1	Driver/left Frame Bracket	2	10-1.5mm x 35mm Hex Bolts
1	Passenger/Right Frame Bracket	12	10mm x 27mm OD x 3mm Flat Washers
1	Driver/left Frame Support Bracket	10	10-1.5mm Nylon Lock Nuts
1	Passenger/right Frame Support Bracket	1	2.5mm Wrench
1	Driver/left Top Mounting Bracket	2	Adhesive Backed Foam Tape Strips
1	Passenger/Right Top Mounting Bracket	22	8mm x 24mm OD x 2mm Flat Washers
6	12-1.75mm x 35mm Hex Bolts	12	8mm x 25mm Button Head Allen Screws
10	12mm x 37mm OD x 3mm Large Flat Washers	10	8mm Nylon Lock Nuts
1	5mm Wrench	2	8mm Lock Washer



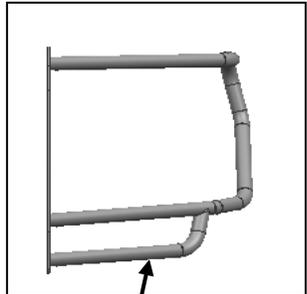
(2)LED lamp Bracket



Main Body



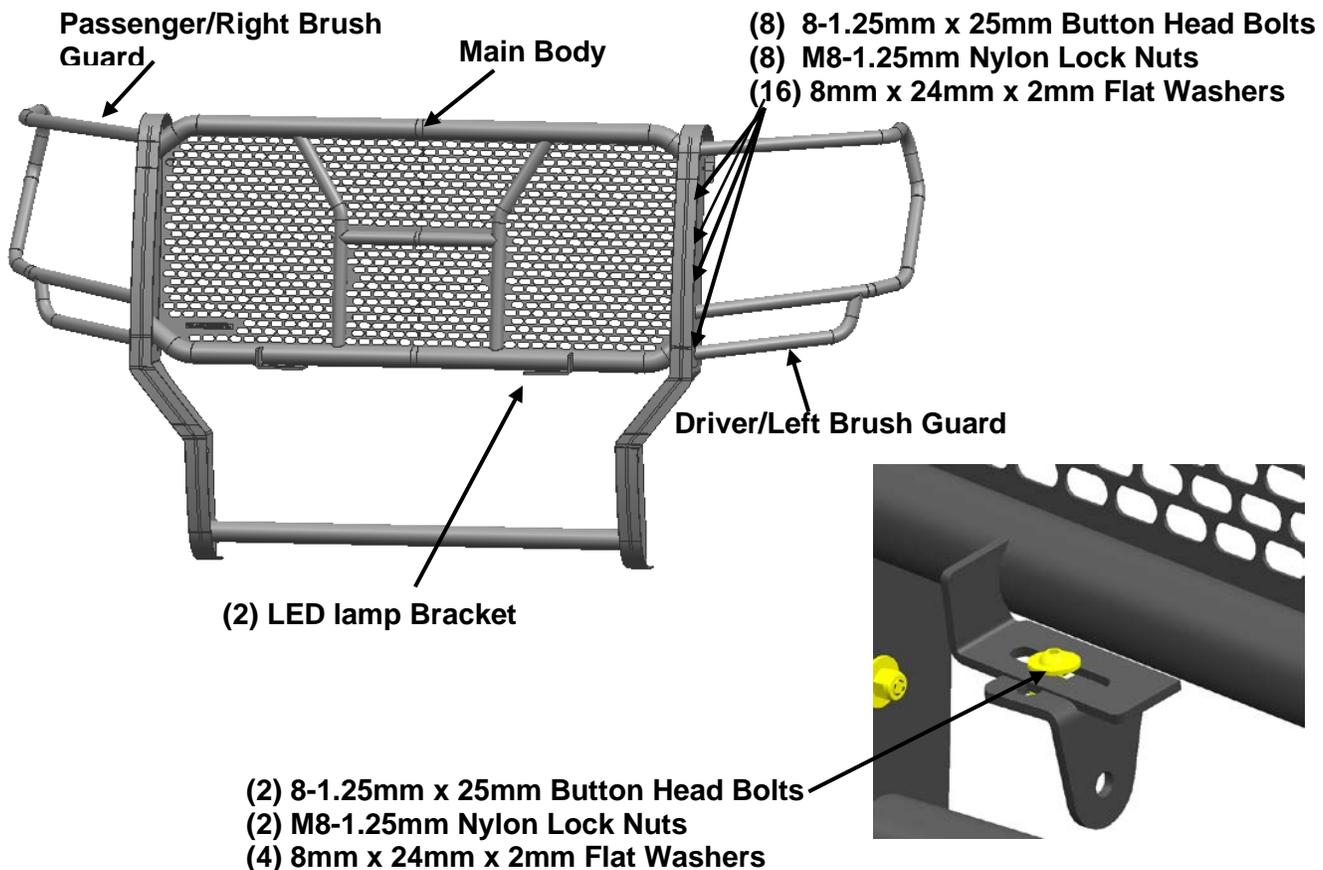
Passenger/Right Brush Guard



Driver/Left Brush Guard

Please Noted:

1. Before you install the Grille Guard on the vehicle, please install the Driver/Left Brush Guard and Passenger/Right Brush Guard on the main body first.
2. Before you install the LED Lamp on the main body please install the LED Lamp Bracket first.
3. If you are not going to install a LED Lamp, the LED Lamp Bracket installation is unnecessary. For main body installation follow the instruction as bellow.



IMPORTANT: The Grille Guard is designed to tilt forward to clear the attached grille on 2007-13 Tundra, 08-14 Sequoia models. To tilt the Grille Guard, the Quick Release Bolts on the Top Brackets must be released and the upper bolts on both Mounting Brackets may need to be loosened slightly. Make sure that all hardware is fully tightened after closing the hood. Carefully read Page 8, "Opening and Closing of Hood," before installing the Grille Guard.

PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. CUTTING MAY BE REQUIRED. INSTALLATION MAY INTERFERE WITH BUMPER MOUNTED PARKING SENSORS. ASSISTANCE IS RECOMMENDED.

1. Open the hood and remove the hood release handle, **(Figures 1 & 2)**. Remove the plastic cover from the top of the grille and radiator. Temporarily reattach the handle.
2. Remove the hardware attaching the top of the grille to the body.
3. Loosen but do not remove the (2) plastic body panels, (fascia panels), between the top of the bumper and the bottom of the headlight, **(Figure 3)**, **NOTE:** Fascia panels do not need to be fully removed, only loosened to remove the grille.
4. On models with grille mounted camera, unplug harness leading to the camera.

5. Once all attaching screws and clips have been removed, pull grille straight out to release from clips, **(Figure 4)**.
6. Select the driver/left Top Bracket. Apply Foam Tape to bottom of the Bracket, **(Figure 5)**.
7. Remove the hex bolt from the top of the driver/left side of the frame, **(Figure 6)**. Use the factory hex bolt to attach the Top Bracket to the frame, **(Figure 7)**. Repeat this **Step** to attach the passenger/right Top Bracket. Do not fully tighten hardware at this time.
8. Move to the bottom of the front bumper. Determine if the vehicle is equipped with tow hooks.

Models with tow hooks.

- a. Remove the driver/left tow hook and seal from bumper, **(Figures 8—10)**. Slide tow hook back into position.
- b. Select the driver/left Frame Mounting Bracket and Support Bracket, **(Figure 11)**. Slide the Frame Bracket through the tow hook opening and along the outside of the frame, **(Figure 10)**. Insert (2) 10mm x 130mm Hex Bolts with (2) 10mm Flat Washers through the Bracket, frame and tow hook, **(Figures 11 & 12)**.
- c. Slide the Support Bracket over the hex bolts. Attach the Support Bracket to the inner facing side of the frame with (2) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, **(Figures 11 & 13)**. Do not fully tighten hardware at this time.
- d. Attach the bottom of the Support Bracket to the Frame Bracket with the included (1) 12mm x 35mm Hex Bolt, (1) 12mm x 37mm Large Flat Washer, (frame bracket side), (1) 12mm x 24mm Small Flat Washer, (support bracket side) and (1) 12mm Nylon Lock Nut, **(Figures 11 & 13)**. Do not fully tighten hardware at this time.
- e. Repeat these **Steps** to attach the passenger/right Brackets.

Models without tow hooks or if tow hooks will not be reinstalled

- a. **IMPORTANT:** The pocket in the plastic bumper may need to be cut out to clear the Frame Brackets, **(Figure 10)**. Use a sharp knife or hacksaw blade and carefully cut out the pocket to clear the Frame Brackets. Only cut out enough plastic to clear the Brackets.
 - b. Insert (1) 10mm Double Bolt Plate into the open end of the frame and out through the outside of the frame.
 - c. Slide the driver/left Frame Bracket through the opening in the bumper and over the threaded studs on the Bolt Plate, **(Figure 14)**.
 - d. Attach the Frame Bracket to the Bolt Plate with (2) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, **(Figure 14)**.
 - e. Repeat the previous **Steps** to attach the driver/left Support Bracket to the inner facing side of the frame, **(Figure 15)**. Attach the bottom of the Support Bracket to the Frame Bracket with the included (1) 12mm x 35mm Hex Bolt, (1) 12mm x 37mm Large Flat Washer, (frame bracket side), (1) 12mm x 24mm Small Flat Washer, (support bracket side) and (1) 12mm Nylon Lock Nut. Do not fully tighten hardware at this time.
 - f. Repeat these **Steps** to attach the passenger/right Brackets.
9. With assistance, position the Heavy Duty Grille Guard up to the outside of the Mounting Brackets, **(Figure 16)**. Attach the Grille Guard to the Frame Brackets with the included (4) 12mm x 35mm Hex Bolts, (8) 12mm x 37mm Large Flat Washers and (4) 12mm Nylon Lock Nuts, **(Figures 17 & 18)**. Attach the Top Brackets to the inside of the Grille Guard with (2) 10mm x 35mm Hex Bolts, (4) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, **(Figures 17 & 18)**. Do not fully tighten hardware.
 10. Level and adjust the Grille Guard and fully tighten all hardware attaching Brackets to vehicle only. Temporarily remove Grille Guard.
 11. Reinstall grille, fascia body panels and top cover. On models with camera, plug in wiring harness.
 12. Reinstall Grill Guard and fully tighten all hardware.

13. On models with camera, remove screen from center of Grille Guard, **(Figure 19)**.

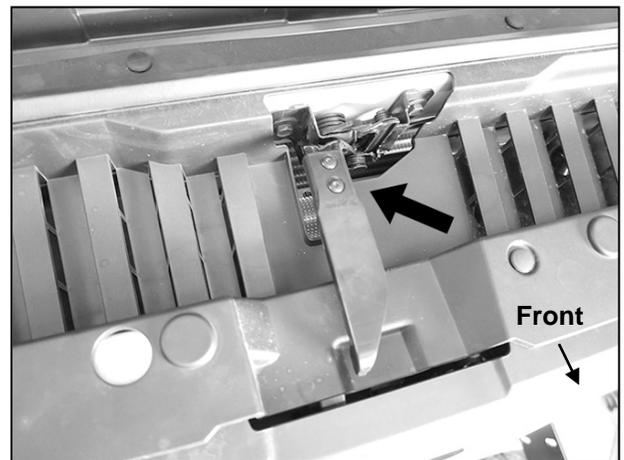
14. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

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 Grille Guard.

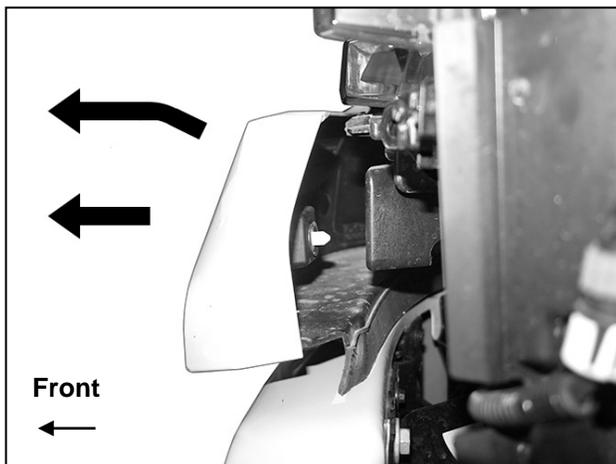
Driver/left Side Installation Pictured



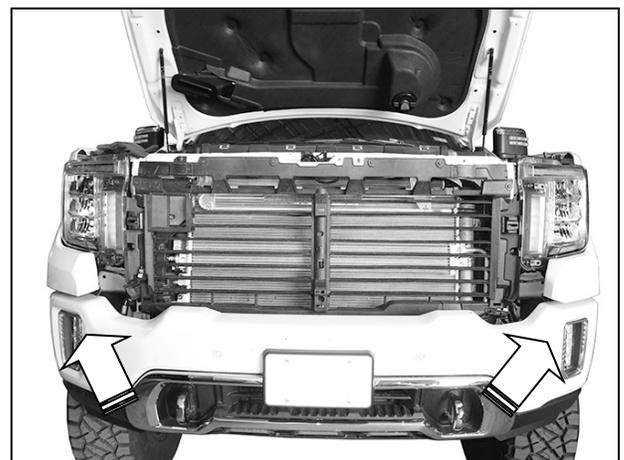
(Fig 1) Open hood and temporarily remove hood release handle



(Fig 2) Remove hood release lever (arrow). Remove plastic cover and temporarily reinstall the release lever

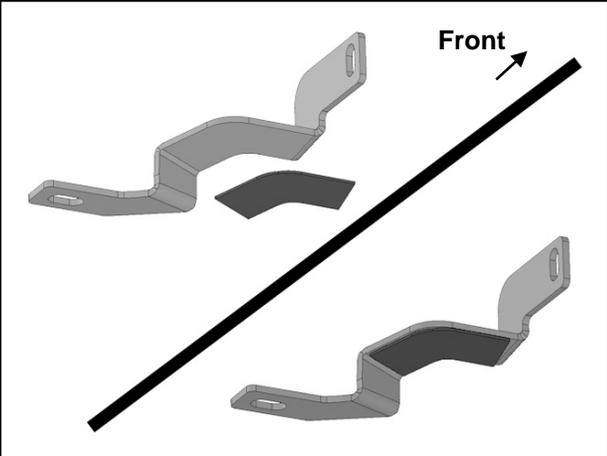


(Fig 3) Firmly pull fascia body panels up and straight out to release from clips (passenger side pictured-also see Figure 4)

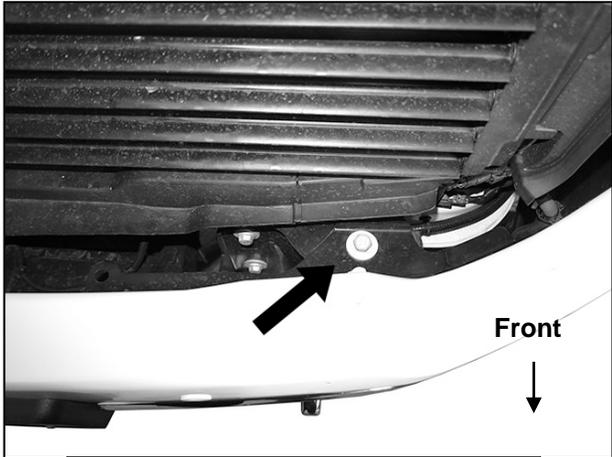


(Fig 4) Once both fascia body panels (arrows) have been loosened, remove grille

Driver/left Side Installation Pictured



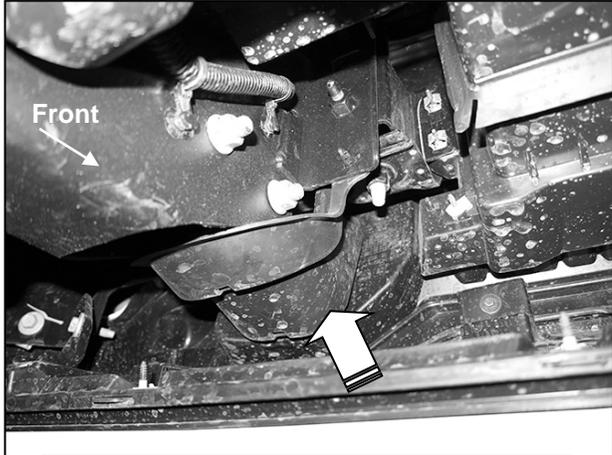
(Fig 5) Apply Foam Tape to bottom of the Top Brackets (driver/left Bracket illustrated)



(Fig 6) From above, remove factory bumper bracket bolt (arrow)

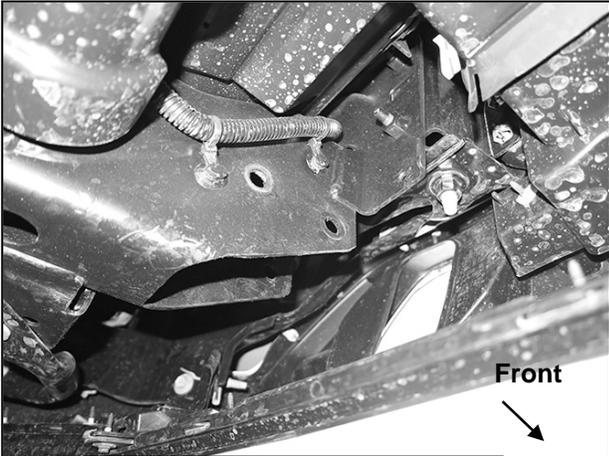


(Fig 7) Reuse bumper bracket bolt to attach driver/left Top Bracket to top of frame



(Fig 8) Remove tow hook and foam seal (driver/left pictured from below)

Driver/left Side Installation Pictured

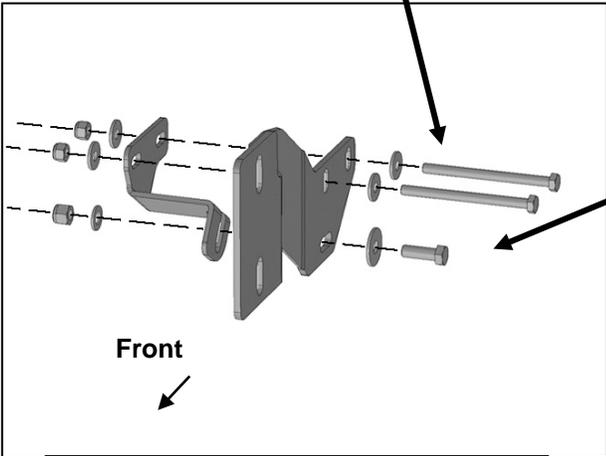


(Fig 9) Remove tow hook and foam seal (driver/left pictured)



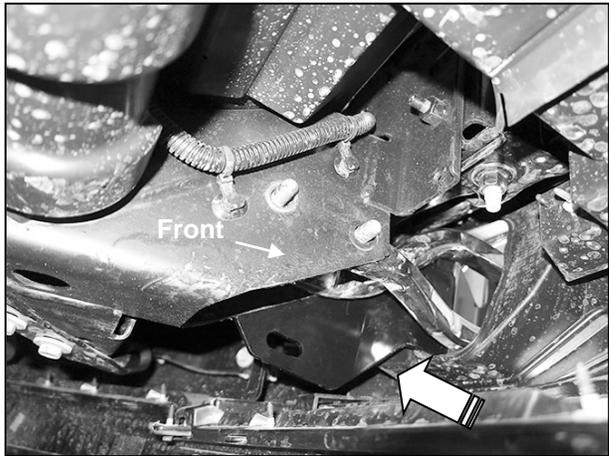
(Fig 10) Reinsert tow hook. Insert driver/left outer Frame Bracket through opening and along outside of frame

- (2) 10mm x 130mm Hex Bolts
- (4) 10mm Flat Washers
- (2) 10mm Nylon Lock Nuts



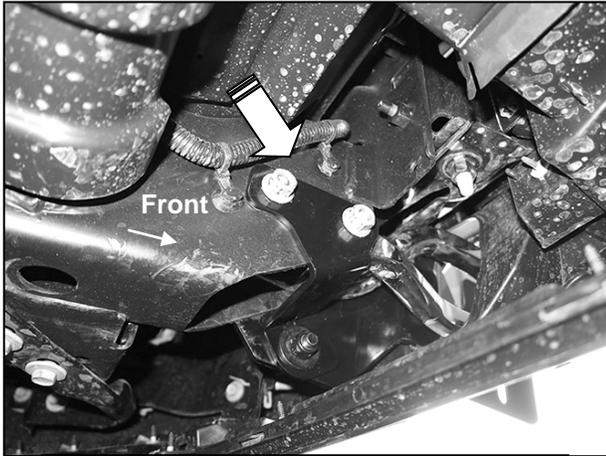
(Fig 11) Driver/left Frame Bracket and inner Support Bracket illustrated

- 12mm x 35mm Hex Bolt
- 12mm x 37mm Large Flat Washer
- 12mm x 24mm STD Flat Washer
- 12mm Nylon Lock Nut



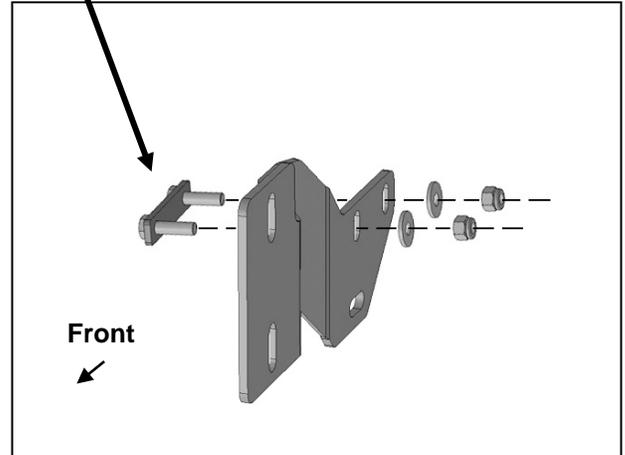
(Fig 12) Attach driver/left Frame Bracket to outside of frame (pictured from below bumper)

Driver/left Side Installation Pictured



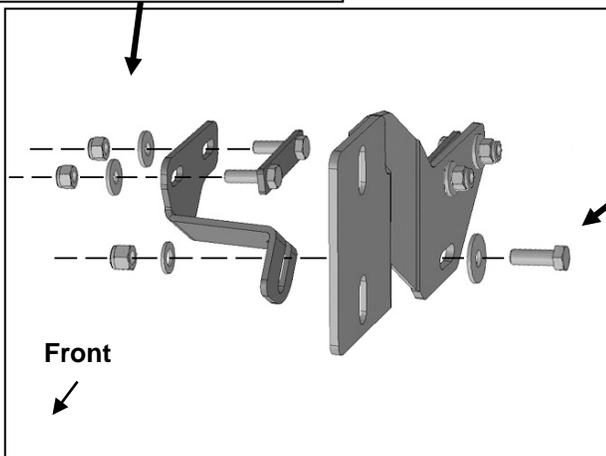
(Fig 13) Attach driver/left inner Support Bracket to inner facing side of frame

10mm Double Bolt Plate
(2) 10mm Flat Washers
(2) 10mm Nylon Lock Nuts



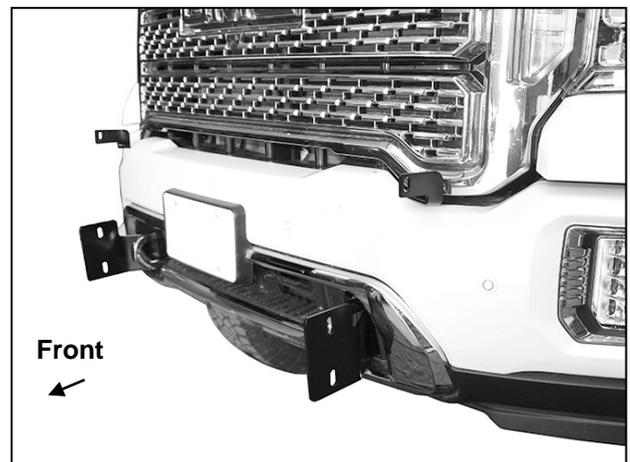
(Fig 14) Models without tow hooks, insert Double Bolt Plate into frame and out through holes. Attach driver/left Frame Bracket to Double Bolt Plate

10mm Double Bolt Plate
(2) 10mm Flat Washers
(2) 10mm Nylon Lock Nuts



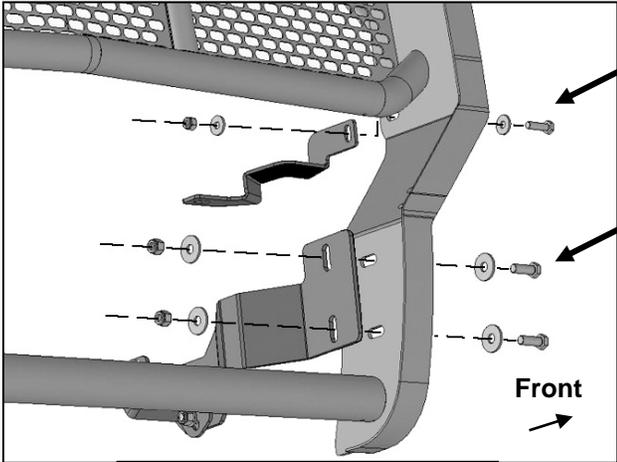
(Fig 15) Models without tow hooks, insert Double Bolt Plate into frame and out through holes. Attach driver/left inner Support Bracket to Double Bolt Plate. Attach Support Bracket to bottom of Frame Bracket

12mm x 35mm Hex Bolt
12mm x 37mm Large Flat Washer
12mm x 24mm STD Flat Washer
12mm Nylon Lock Nut



(Fig 16) Brackets installed. Do not reinstall grille until after Grille Guard has been installed, Brackets adjusted and hardware tightened to frame only (Step 10, Fig 18)

Driver/left Side Installation Pictured



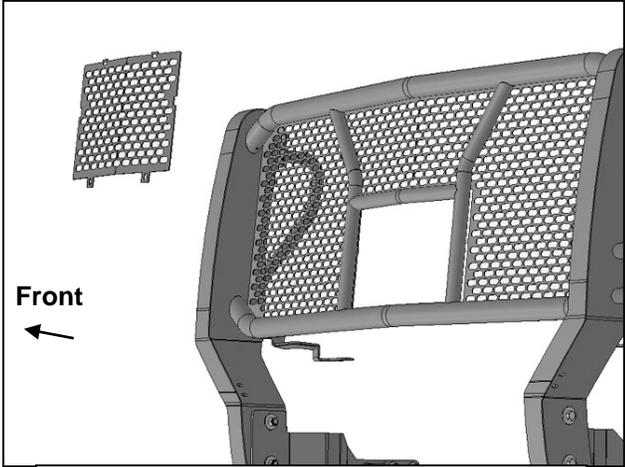
10mm x 35mm Hex Bolt
(2) 10mm Flat Washers
10mm Nylon Lock Nut

(2) 12mm x 35mm Hex Bolts
(4) 12mm Flat Washers
(2) 12mm Nylon Lock Nuts

(Fig 17) Attach Grille Guard to outside of Brackets



(Fig 18) Grille Guard installed (driver/left side pictured)



(Fig 19) Models with grille mounted camera, remove screen from Grille Guard

