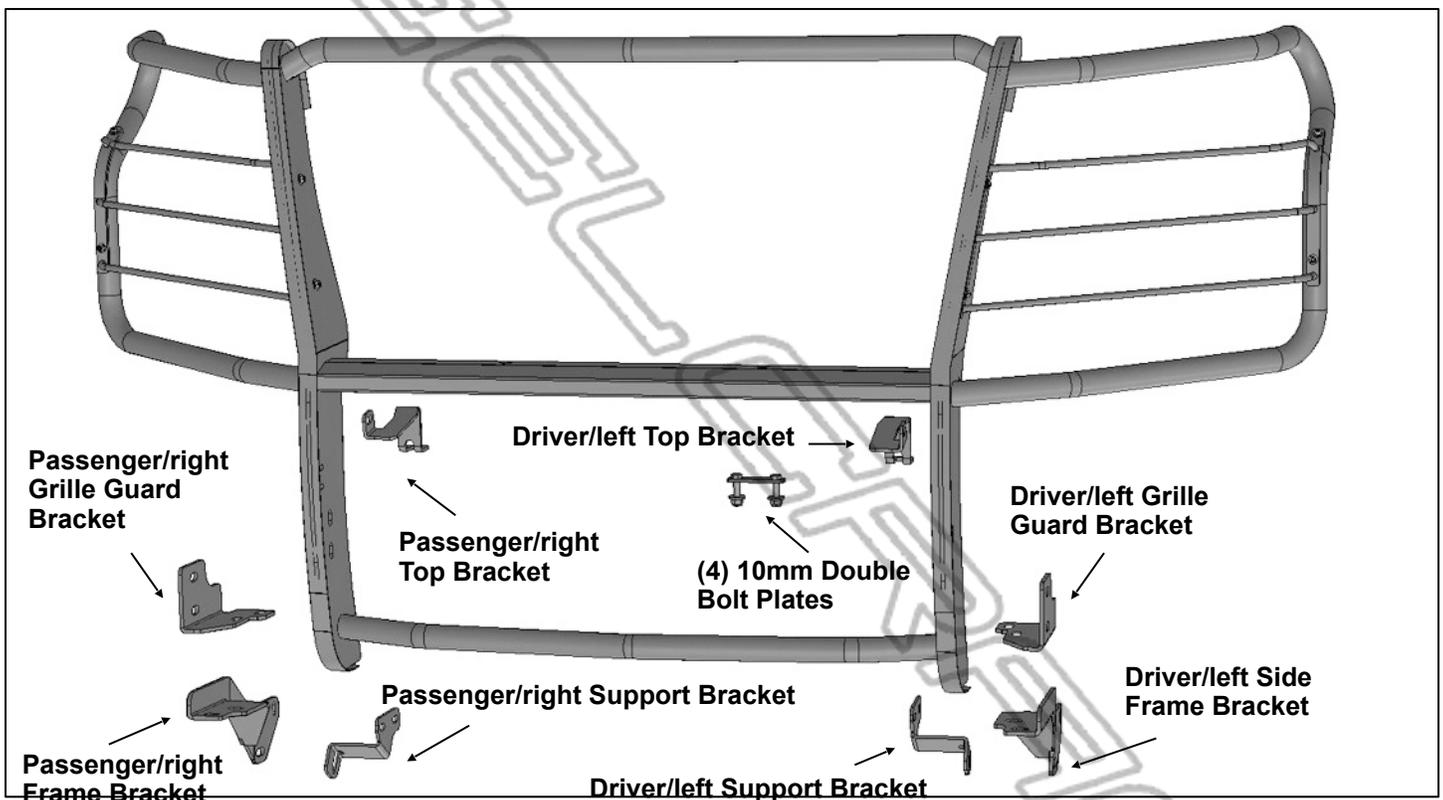


PARTS LIST:

1	Grille Guard	10	12-1.75mm x 35mm Hex Bolts
1	Driver/left Frame Bracket	16	12mm x 37mm x 3mm Large Flat Washers
1	Passenger/Right Frame Bracket	4	12mm x 24mm x 2.5mm STD Flat Washers
1	Driver/left Frame Support Bracket	10	12-1.75mm Nylon Lock Nuts
1	Passenger/right Frame Support Bracket	4	10mm x 35mm Double Bolt Plates
1	Driver/left Grille Guard Mounting Bracket	2	10-1.5mm x 35mm Hex Bolts
1	Passenger/Right Grille Guard Mounting Bracket	12	10mm x 27mm OD x 3mm Flat Washers
1	Driver/left Top Mounting Bracket	10	10-1.5mm Nylon Locknuts
1	Passenger/Right Top Mounting Bracket	1	Wrench
2	600mm x 50mm x 1mm Adhesive Foam Strips		



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. Start installation at the driver/left wheel opening. Remove the hardware attaching the fender liner to the front of the fender and the end of the plastic body panel below the headlight, (fascia), **(Figure 1)**. Carefully pull the fender flare out to release the clips attaching it to the body panel and end of the fender, **(Figure 2)**. **IMPORTANT:** Only release the forward end of the flare, it is not necessary to remove the entire flare. Remove the screws attaching the end of the fascia panel to the front fender, **(Figure 3)**.
2. Carefully pull out the plastic fascia panel below the headlight to release from clips, **(Figure 4)**.
3. Repeat **Steps 1 & 2** to remove the passenger/right fascia panel from below headlight, **(Figure 4)**.

4. Open the hood and remove the hood release handle. Remove the plastic cover from the top of the radiator and the grille, **(Figure 4)**. Temporarily reinstall the hood release handle.
5. Remove the hardware attaching the grille and pull it straight out from the vehicle. On models with grille mounted camera, unplug harness leading to the camera and remove the grille, **(Figures 5 & 6)**.
6. From above the bumper, locate the driver/left top bumper bracket bolt, **(Figure 7)**. Remove the plastic trim from the top of the bumper. **NOTE:** Trim must be removed or cut to clear Top Brackets, **(Figure 8)**.
7. Select the driver/left Top Bracket, **(Figure 9)**. Reuse the factory bumper bolt to attach the Top Bracket to the top of the bumper bracket, **(Figure 10)**. Do not fully tighten at this time.
8. Repeat **Steps 6 & 7** to attach the passenger/right Top Bracket.
9. Determine if the vehicle is equipped with tow hooks

Models with tow hooks.

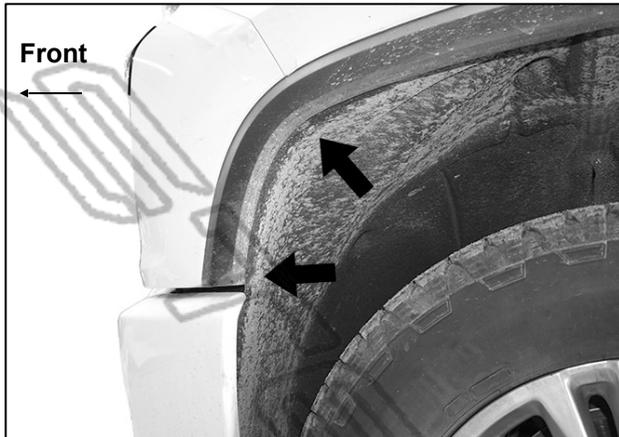
- a. Remove the factory bolts attaching the driver/left tow hook to the end of the frame, **(Figure 11)**. It may be necessary to partially remove the tow hook to insert the outer Frame Bracket through the tow hook opening in the bumper, **(Figure 13)**. Trim opening in bumper as necessary to clear the Frame Bracket.
- b. Reuse the factory tow hook bolts to attach the driver/left outer Frame Bracket and inner Support Bracket to the end of the frame, **(Figure 12)**. Do not fully tighten hardware at this time.
- c. Next, attach the bottom of the Inner Support Bracket to the Outer Frame Bracket with (1) 12mm x 35mm Hex Bolt, (2) 12mm x 24mm STD Flat Washers and (1) 12mm Nylon Lock Nut, **(Figure 12)**. Do not fully tighten hardware at this time.
- d. Repeat previous Steps to install the passenger/right Frame and Support Brackets.

Models without tow hooks.

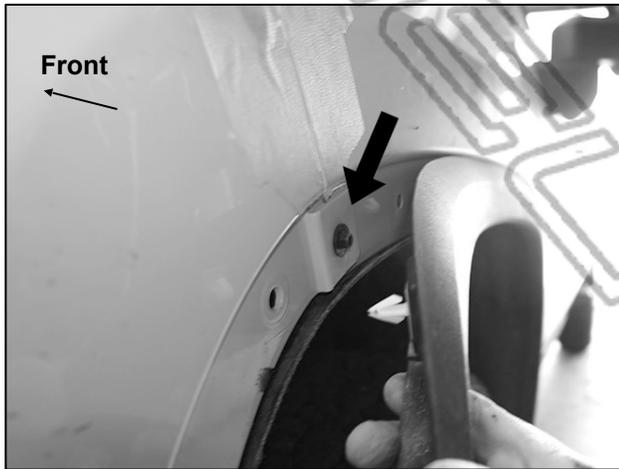
- a. **IMPORTANT:** The pocket in the plastic bumper may need to be cut out to clear the driver/left Frame Bracket, **(Figure 13)**. Use a sharp knife or hacksaw blade and carefully cut out the pocket to clear the Frame Brackets. Only cut out enough plastic to clear the Brackets.
 - b. Select (1) 10mm Double Bolt Plate, **(Figure 14)**. Insert the Bolt Plate into the open end of the frame and out through the (2) outer holes in the frame, **(Figure 15)**. Select the driver/left Outer Frame Bracket, **(Figure 14)**. Carefully slide the Bracket through the tow hook opening and over the end of the frame and Bolt Plate. Attach the Bracket to the Double Bolt Plate with (2) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, **(Figures 14 & 16)**. Leave hardware loose.
 - c. Repeat the previous Steps to install a second Double Bolt Plate in the inner facing side of the frame. Select the driver/left Inner Frame Support Bracket. Attach the Support Bracket to the Bolt Plate with the included (2) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, **(Figures 14 & 17)**. Leave hardware loose. Next, attach the bottom of the Inner Support Bracket to the Outer Frame Bracket with (1) 12mm x 35mm Hex Bolt, (2) 12mm x 24mm STD Flat Washers and (1) 12mm Nylon Lock Nut, **(Figures 14, 16 —18)**. Do not fully tighten hardware at this time.
 - d. Repeat the previous Steps to install the passenger/right Frame and Support Brackets.
10. Next, select the driver/left Grille Guard Mounting Bracket, **(Figure 19)**. Attach the Bracket to the bottom of the Frame Bracket with the included (2) 12mm x 35mm Hex Bolts, (4) 12mm x 37mm Large Flat Washers and (2) 12mm Nylon Lock Nuts, **(Figure 19)**. On models with tow hooks, it may be necessary to loosen or temporarily remove the frame attaching bolts to insert the hardware. Leave hardware loose at this time. Repeat this **Step** to install the passenger/right Grille Guard Bracket.
 11. With assistance, position the Grille Guard up to the outside of the Brackets. 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 20 & 21)**. Attach the Top Brackets to the Grille Guard with (2) 10mm x 35mm Hex Bolts, (4) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, **(Figures 20 & 22)**. Do not fully tighten hardware.
 12. Level and adjust the Grille Guard and fully tighten all Bracket to frame hardware only. Temporarily remove grille guard. Reinstall the grille, outer plastic fascia panels and plastic cover on top of grille.
 13. Reattach Grille Guard to Brackets. Align the Grille Guard to vehicle and adjust as necessary and fully tighten all hardware.
 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.

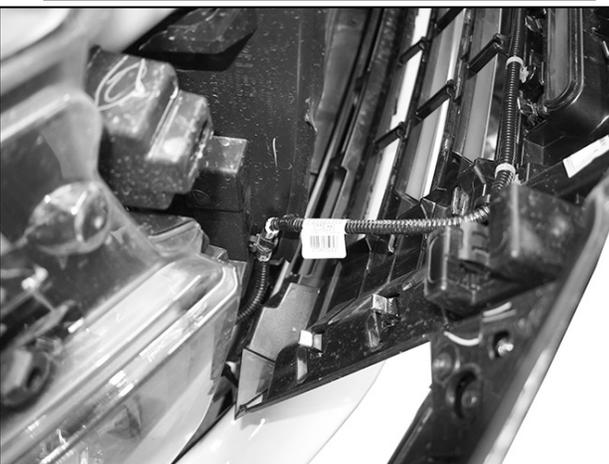
Driver/left Side Installation Pictured



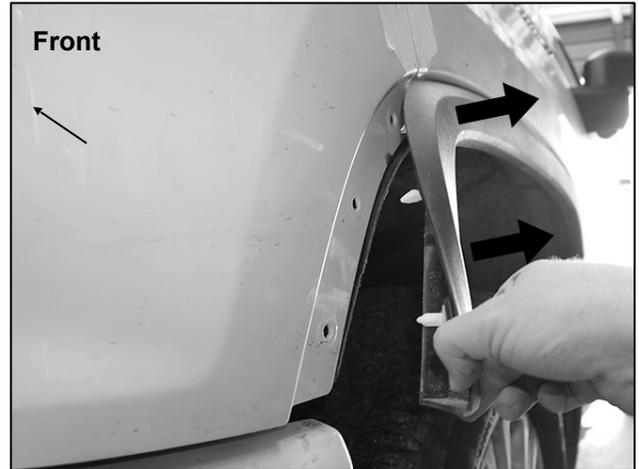
(Fig 1) Remove hardware attaching fender liner to plastic panel (fascia-see arrows)



(Fig 3) Remove screws attaching plastic fascia panel to front end of fender (arrow)



(Fig 5) Disconnect harness to camera (if equipped) and remove grille



(Fig 2) Pull front end of fender flare out and away from fender. Do not remove flare, only release the front section

Remove plastic cover from top of grille

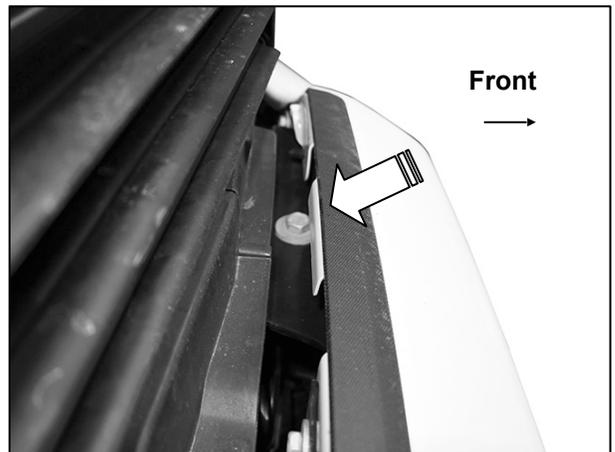


(Fig 4) Remove plastic fascia panel from below and around headlights

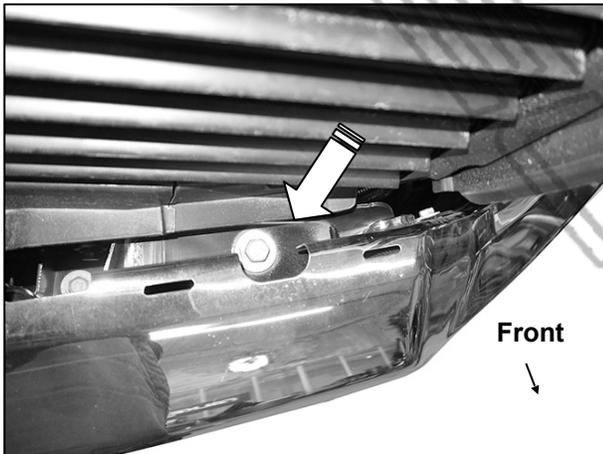
Driver/left Side Installation Pictured



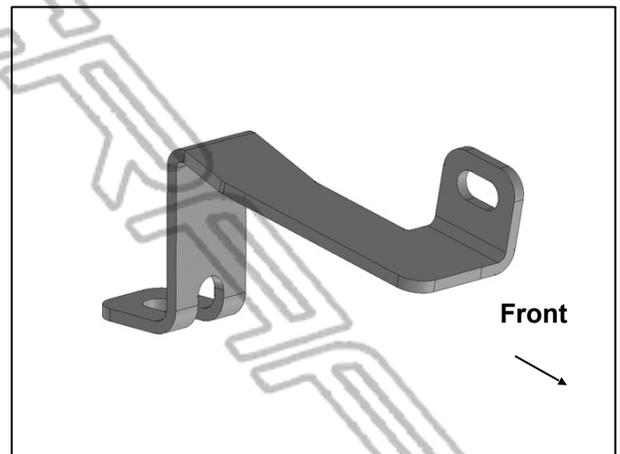
(Fig 6) Grille and fascia panels removed



(Fig 7) Locate and remove top bumper bracket bolts (arrow-driver/left side pictured)



(Fig 8) Remove plastic trim from top of bumper top of bumper. Plastic trim must be cut or removed to clear Top Brackets

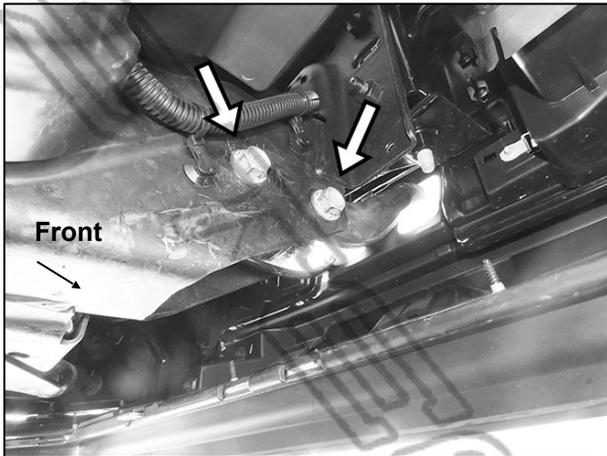


(Fig 9) Driver/left Top Bracket illustrated

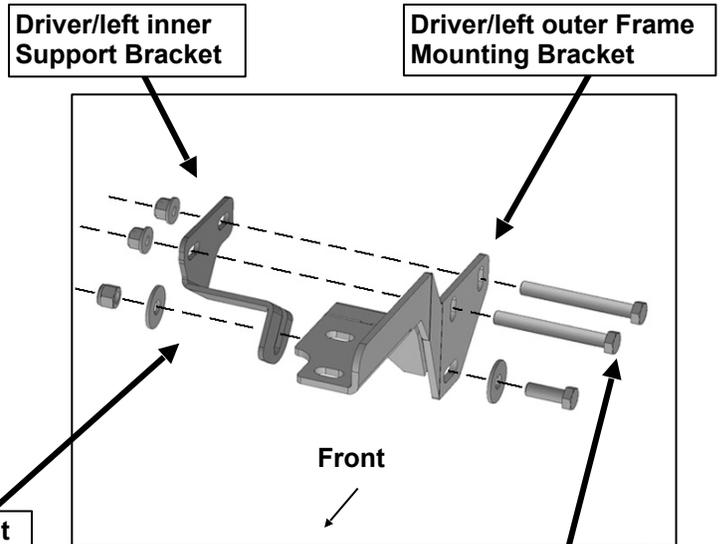


(Fig 10) Reuse top bumper bolt to attach driver/left Top Bracket to top of bumper bracket

Driver/left Side Installation Pictured



(Fig 11) Models equipped with tow hooks, remove bolts attaching tow hooks to end of frame (arrows). Leave tow hooks in place

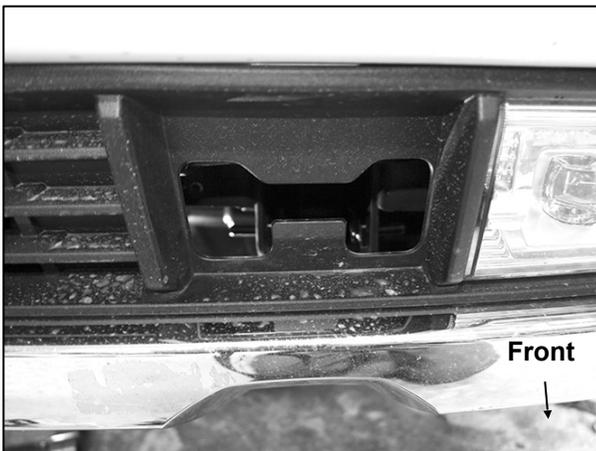


Driver/left inner Support Bracket

Driver/left outer Frame Mounting Bracket

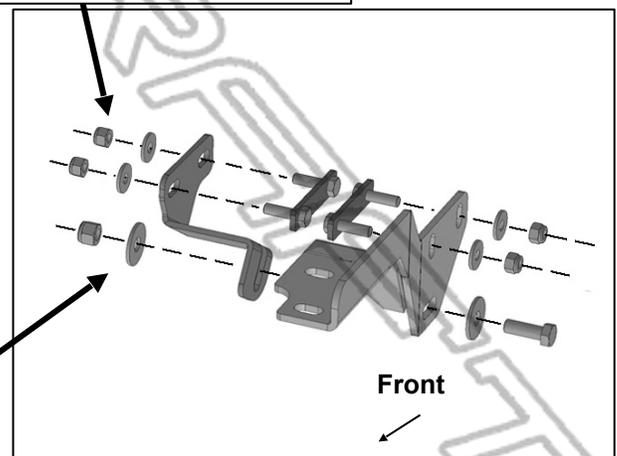
- 12mm x 35mm Hex Bolt
- (2) 12mm x 24mm STD Flat Washers
- 12mm Nylon Lock Nut

(Fig 12) Models equipped with tow hooks, reuse tow hook bolts to attach driver/left outer Frame Mounting Bracket and inner Support Bracket to outside of frame. Leave tow hooks in place



(Fig 13) Trim plastic around opening if necessary, to clear Brackets

- (2) 10mm Double Bolt Plates
- (4) 10mm Flat Washers
- (4) 10mm Nylon Lock Nuts



- 12mm x 35mm Hex Bolt
- (2) 12mm x 24mm Small Flat Washers
- 12mm Nylon Lock Nut

(Fig 14) Models without tow hooks, insert the included (2) 10mm Double Bolt Plates into the open end of the frame and out the holes in the sides. Attach the driver/left outer Frame Bracket and inner Support Bracket to the sides of the frame and Bolt Plates

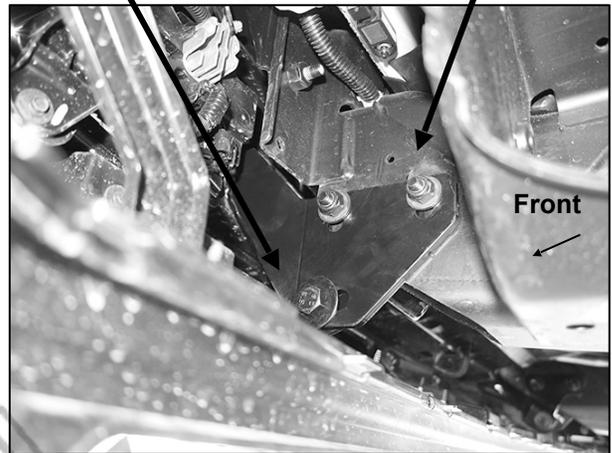
Driver/left Side Installation Pictured



(Fig 15) Insert Double Bolt Plate through holes in outer side of frame (arrow)

12mm x 35mm Hex Bolt
(2) 12mm x 24mm STD
Flat Washers
12mm Nylon Lock Nut

(2) 10mm Double Bolt Plates
(4) 10mm Flat Washers
(4) 10mm Nylon Lock Nuts



(Fig 16) Attach driver/left outer Frame Bracket to Double Bolt Plate

(2) 10mm Double Bolt Plates
(4) 10mm Flat Washers
(4) 10mm Nylon Lock Nuts

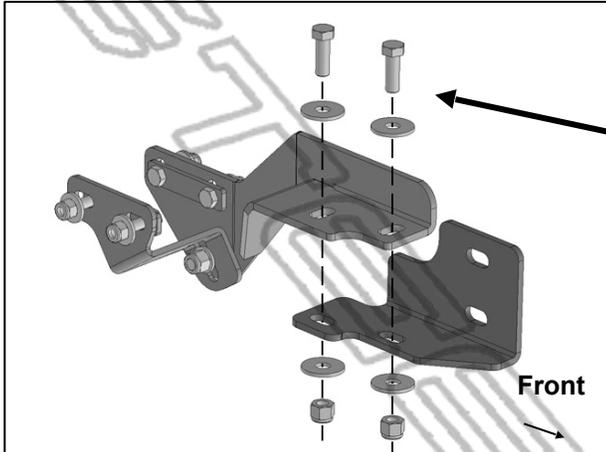


(Fig 17) Attach driver/left inner Support Bracket to Frame Bracket and Double Bolt Plate in frame (arrow). Driver/left side pictured from below/behind bumper



(Fig 18) Driver/left Frame Bracket installed

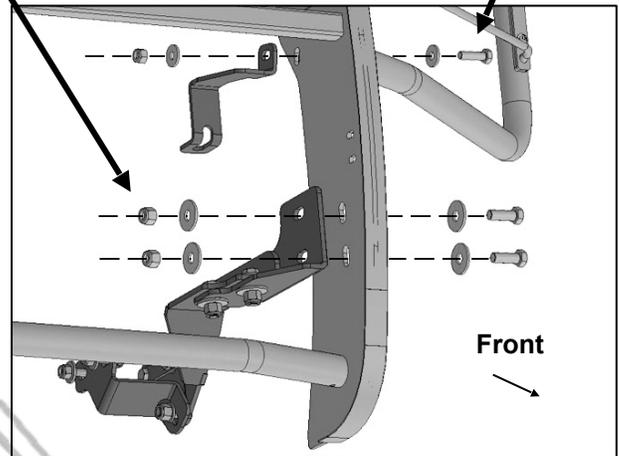
Driver/left Side Installation Pictured



(Fig 19) Attach driver/left Grille Guard Bracket to bottom of Frame Bracket (driver/left side Brackets illustrated)

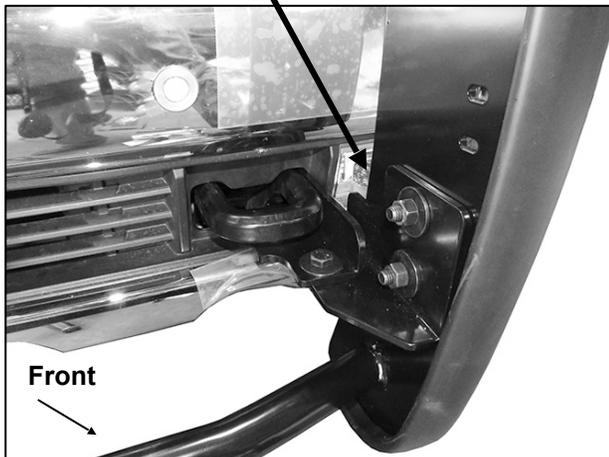
- (2) 12mm x 35mm Hex Bolts
- (4) 12mm x 37mm Large Flat Washers
- (2) 12mm Nylon Lock Nuts

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



(Fig 20) Attach Grille Guard to Grille Guard Bracket and Top Bracket

- (2) 12mm x 35mm Hex Bolts
- (4) 12mm x 37mm Large Flat Washers
- (2) 12mm Nylon Lock Nuts



(Fig 21) Attach Grille Guard to Mounting Brackets

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



(Fig 22) Attach Grille Guard to Top Bracket (driver/left side pictured)

