



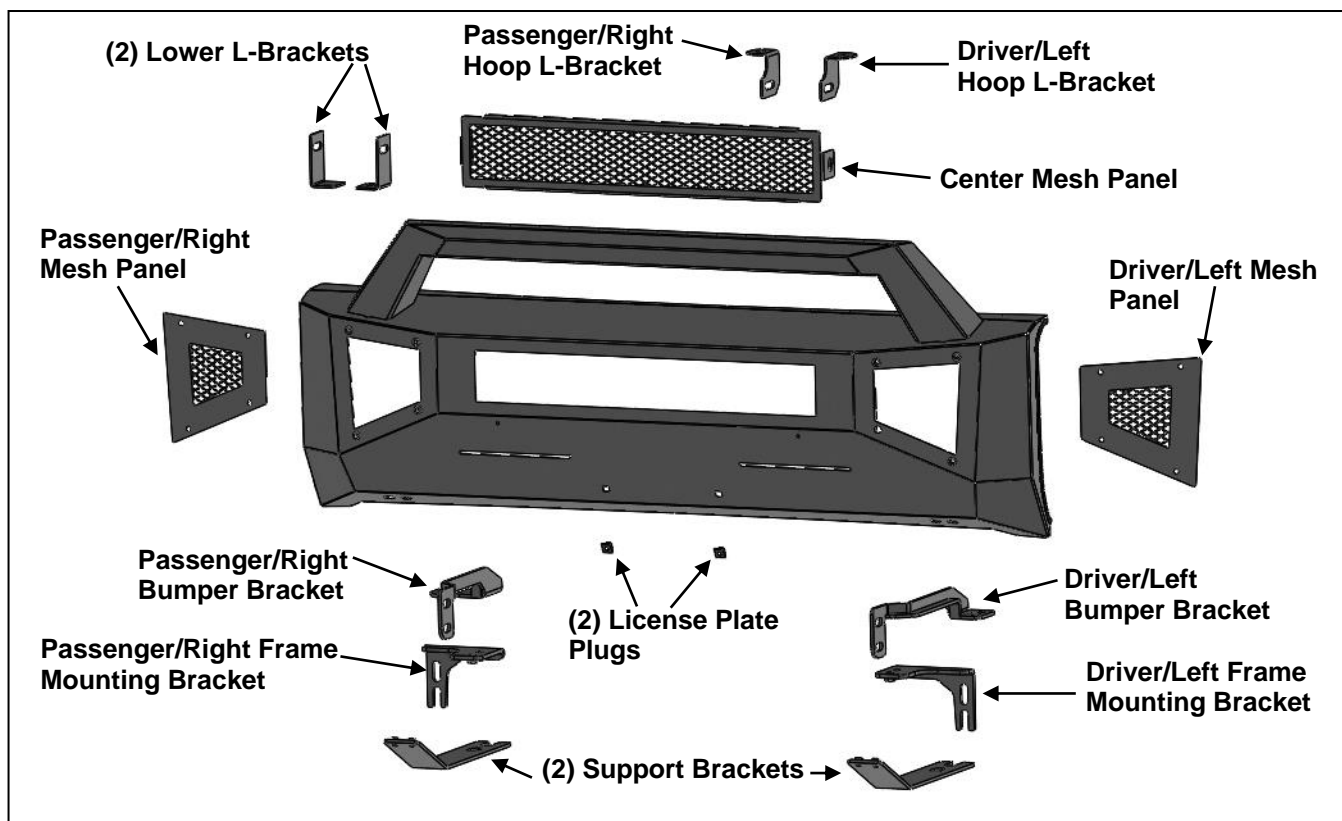
TEL: 1-866-XANATOS

INSTALLATION INSTRUCTIONS

**ARMOUR III LD FRONT BUMPER
14-21 TOYOTA TUNDRA (Excl. TRD Pro with TSS-P)
PART# AR3LD63NL**

PARTS LIST:

1	CS1 LD Front Bumper	2	10mm Bolt Plates
1	Driver/Left Frame Mounting Bracket	4	10mm x 24mm OD x 2.2mm Flat Washers
1	Passenger/Right Frame Mounting Bracket	4	10mm Lock Washers
1	Driver/Left Bumper Bracket	4	10mm Hex Nuts
1	Passenger/Right Bumper Bracket	10	8mm x 25mm Hex Bolts
2	Support Brackets	2	8mm x 16mm Hex Bolts
1	Driver/Left Hoop L-Bracket	14	8mm x 24mm OD x 2mm Flat Washers
1	Passenger/Right Hoop L-Bracket	4	8mm x 22mm OD x 2mm Flat Washers
2	Lower L-Brackets	12	8mm Lock Washers
1	Center Mesh Panel	6	8mm Hex Nuts
1	Driver/Left Mesh Panel	12	6mm x 20mm Combo Bolts
1	Passenger/Right Mesh Panel	2	Rubber Strips
2	License Plate Plugs	1	4mm Hex Wrench



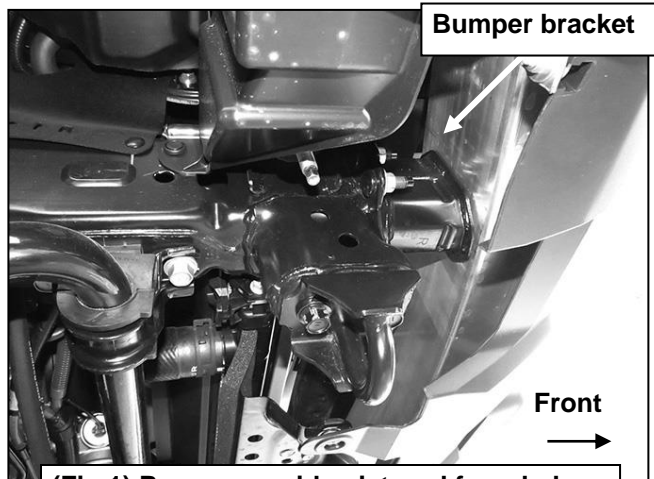
PROCEDURE: REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. MAY INTERFERE WITH FRONT MOUNTED SENSORS.

1. Start installation at the front of the vehicle. Top Brackets must be installed from below front bumper, **(Figure 1)**.
2. Locate the passenger/right side bumper bracket attached to the end of the frame, visible from below the bumper above the tow hook, **(Figure 2)**. Remove the hardware attaching the bumper cover to the cross member to access the end of the frame and bracket, **(Figure 3)**.
3. Select the Passenger/Right Frame Mounting Bracket, **(Figure 4)**. Remove the top and center factory hex nuts from the outside of the bumper bracket, attaching the bumper bracket to the end of the frame, **(Figure 2)**.
4. Slide the L-shaped Bracket over the top of the bumper bracket, down and over the (2) threaded studs. Carefully pull the bottom of the bumper cover outward and slide the Bracket up and in position. Reuse the (2) factory hex nuts to attach the Frame Mounting Bracket to the bumper bracket. Do not tighten the hardware at this time.

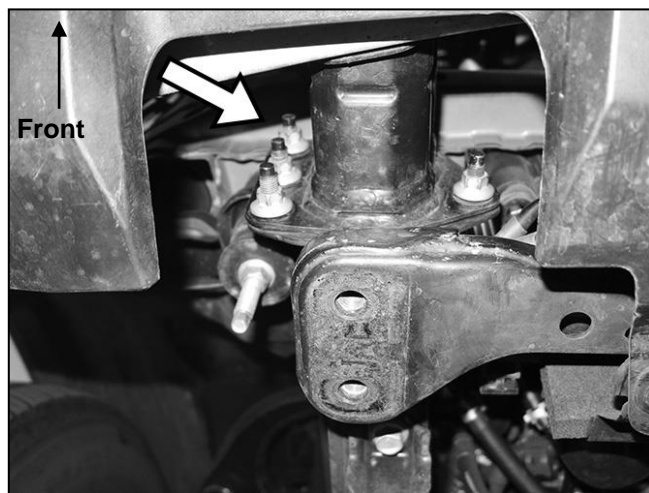
5. Repeat **Steps 2—4** to install the Driver/Left Frame Mounting Bracket. **IMPORTANT:** Installation will require removal or cutting of plastic air deflector, if equipped, attached to the back of the lower grille, (**Figures 5 & 6**). **NOTE:** Depending on year and model, it may be necessary or easier to remove bumper cover to access and remove the air deflector from back of the grille.
6. Next, remove the passenger/right tow hook if equipped, (**Figures 7 & 8**). Select the Passenger/Right Support Bracket, (**Figure 9**).
 - Vehicles with small tow hook:** Insert the (2) factory tow hook bolts back through the tow hook, the Support Bracket and up into the frame, (**Figure 10**). Do not tighten hardware.
 - Vehicles with large tow hooks:** Reuse the tow hook bolts to attach the Passenger/Right Support Bracket directly to the bottom of the frame. **NOTE:** Large tow hook cannot be reinstalled, (**Figure 7**). Do not tighten hardware.
7. Repeat **Step 6** to install the Driver/Left Support Bracket. Do not tighten hardware.
8. Select the Passenger/Right Bumper Bracket, (**Figure 11**).
9. Slide the Bumper Bracket in through the opening in the bumper, (**Figure 12**). Line up the (2) holes in the Bracket with the previously installed Frame Bracket. Attach the Bumper Bracket to the top of the Frame Bracket with (2) 8mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, (**Figures 11 & 12**). Do not tighten hardware.
10. Repeat **Steps 8 & 9** to install the Driver/Left Bumper Bracket.
11. Select the (2) Rubber Strips. Attach (1) Rubber Strip to each side of the Bumper to protect the finish of the factory bumper, (**Figure 13**).
12. **For Center Mesh Panel installation:**
 - a. Select (1) Lower L-Bracket. Attach the Bracket to the Passenger/Right side of the back of the Bumper with (1) 8mm x 25mm Hex Bolt, (2) 8mm x 24mm Flat Washers, (1) 8mm Lock Washer and (1) 8mm Hex Nut, (**Figure 14**).
 - b. Repeat previous **Step** to attach (1) Lower L-Bracket to the Driver/Left side.
 - c. Select the Center Mesh Panel. Attach the Panel to the (2) Lower L-Brackets with (2) 8mm x 25mm Hex Bolts, (4) 8mm x 24mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts, (**Figure 15**).
- If lights will be attached, (Lights not included):**
 - a. Select the Passenger/Right Upper L-Bracket. Attach the Bracket to the passenger/Right side of the bottom of the hoop with (1) 8mm x 25mm Hex Bolt, (2) 8mm x 24mm Flat Washers, (1) 8mm Lock Washer and (1) 8mm Hex Nut, (**Figure 16**).
 - b. Repeat the previous **Step** to attach the Driver/Left Upper L-Bracket to the hoop.
 - c. Attach a light bar to the (2) L-Brackets with (2) 8mm x 16mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm x 24mm Flat Washers, (**Figure 16**).
 - d. Follow light manufacturer's instructions for wiring.
13. With assistance, line up the slots in the mounting plate on the back of the Bumper to the slots in the Bumper Bracket. Using (1) 10mm Bolt Plate, insert the threads through the slots. Secure the Bumper to the bolt Plate with (2) 10mm Flat Washers, (2) 10mm Lock Washers and (2) 10mm Hex Nuts, (**Figures 17 & 18**). Do not tighten hardware.
14. Repeat previous **Step** to attach (1) 10mm Bolt Plate to the Driver/Left side.
15. Attach the Bumper to the (2) Support Brackets with (4) 6mm Combo Bolts, (**Figure 19**). Do not tighten hardware.
16. Level and adjust the Bumper. Tighten all hardware.
17. Select the Passenger/Right Mesh Panel. Attach the Panel to the front Passenger/Right side of the Bumper with (4) 6mm Combo Bolts, (**Figure 20**). Repeat this **Step** to attach the Driver/Left Mesh Panel.
18. Insert License Plate Plugs into the front of the Bumper, (**Figure 21**).
19. 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.

Passenger/right Side Installation Pictured



(Fig 1) Passenger side pictured from below



(Fig 2) Locate the (3) outer hex nuts attaching the bumper bracket to the frame. Reuse the center and top hex nut to attach the Top Frame Bracket to the front of the bumper bracket

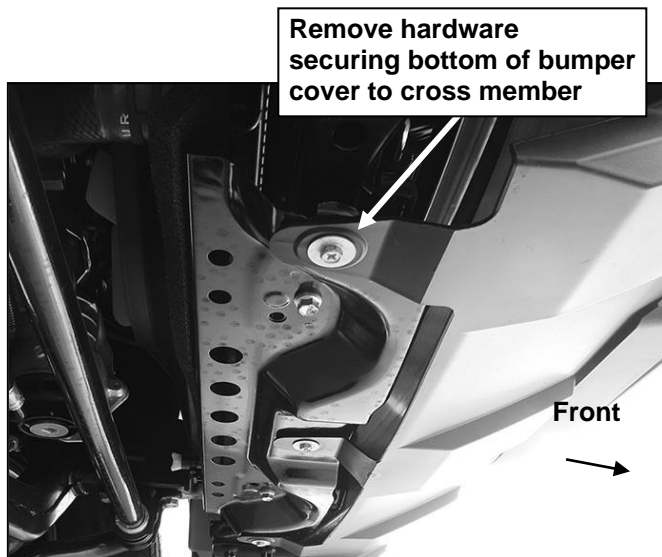
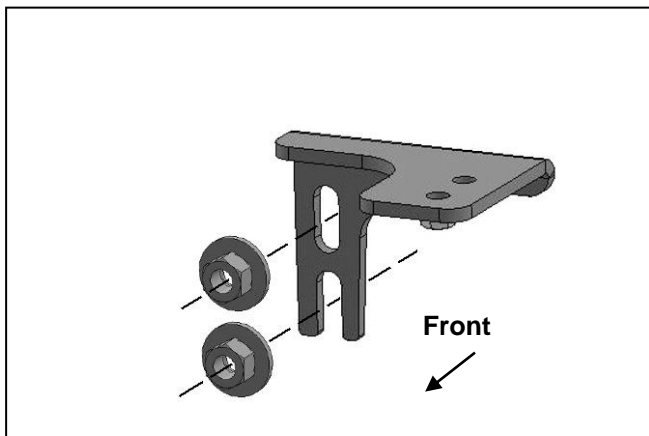
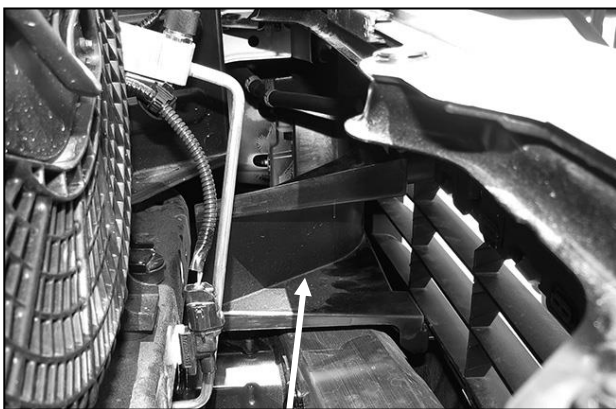


Fig 3) If necessary, temporarily remove bumper cover hardware to access bumper bracket (passenger/right side pictured from below)

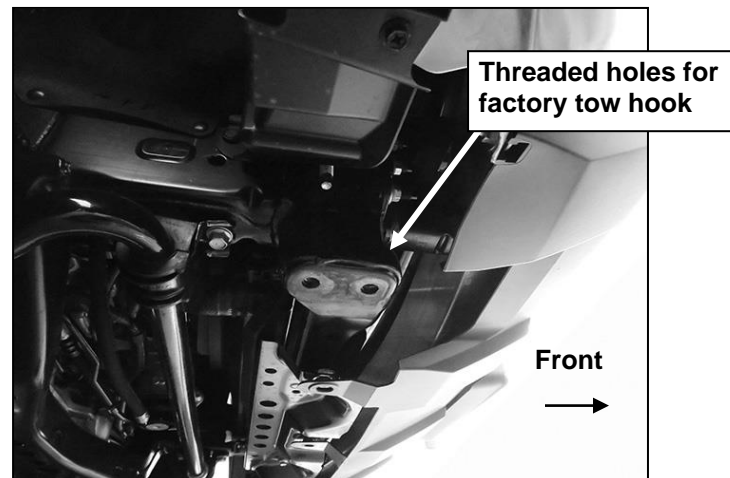
Passenger/right Side Installation Pictured



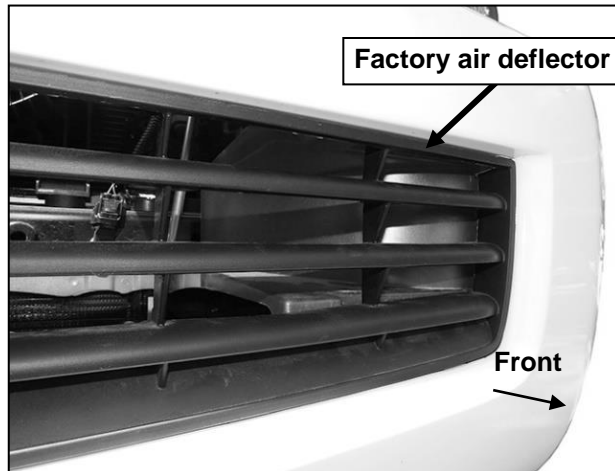
(Fig 4) Reuse the (2) factory hex nuts to attach the passenger/right Top Bracket to the factory bumper bracket



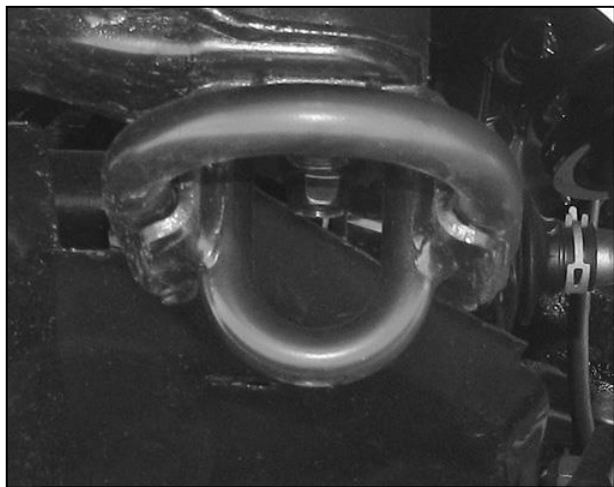
(Fig 6) Driver/left side air deflector pictured from above. Note: Not included on all models



(Fig 8) Passenger/right side pictured from below

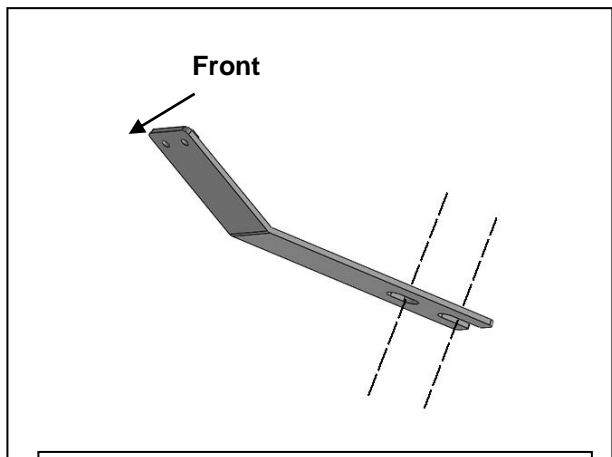


(Fig 5) Models equipped with driver/left side air deflector, cut or remove air deflector to clear the Top Brackets

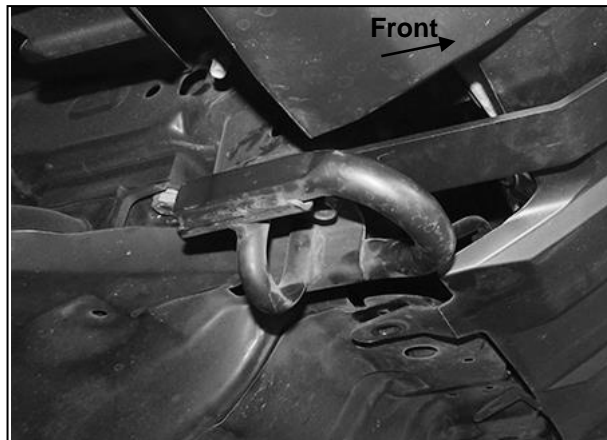


(Fig 7) Temporarily remove tow hooks. Important, the heavy duty factory tow hooks (pictured) cannot be reinstalled.

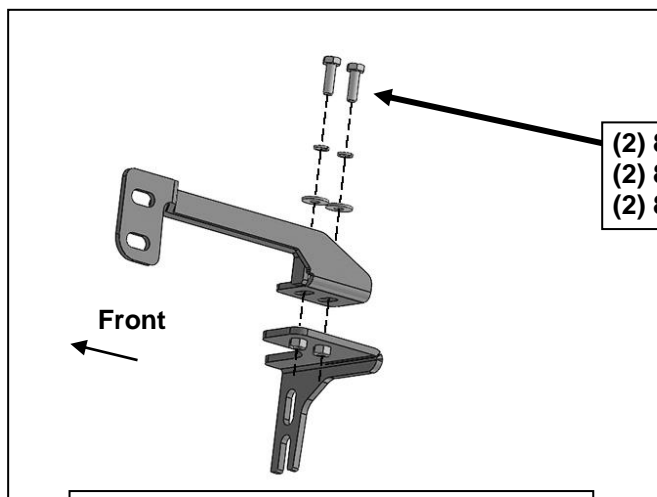
Passenger/right Side Installation Pictured



(Fig 9) Passenger/Right Support Bracket

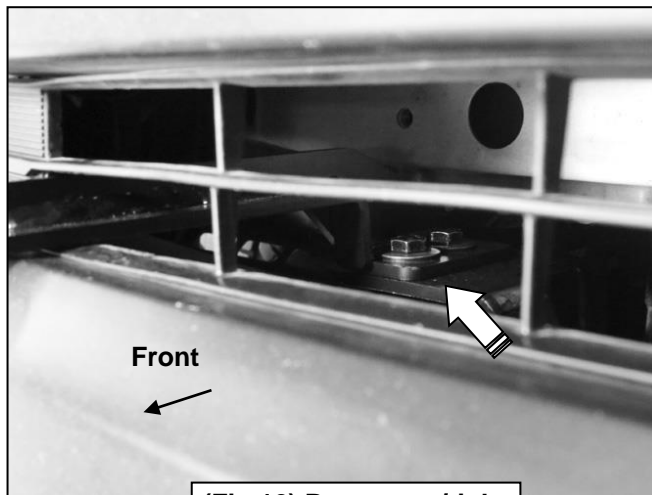


(Fig 10) Reuse factory hex bolts to attach Support Bracket to bottom of frame (passenger/right side pictured with small tow hook)



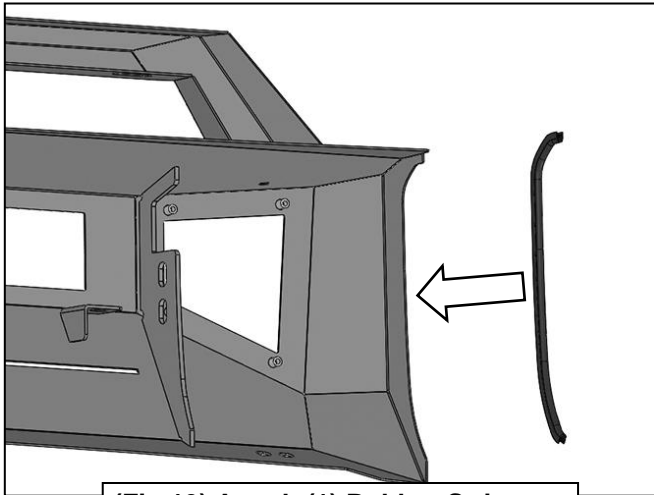
(Fig 11) Insert Passenger/Right Bumper Bracket through opening in bumper

- (2) 8mm x 25mm Hex Bolts
- (2) 8mm Lock Washers
- (2) 8mm x 22mm Flat Washers



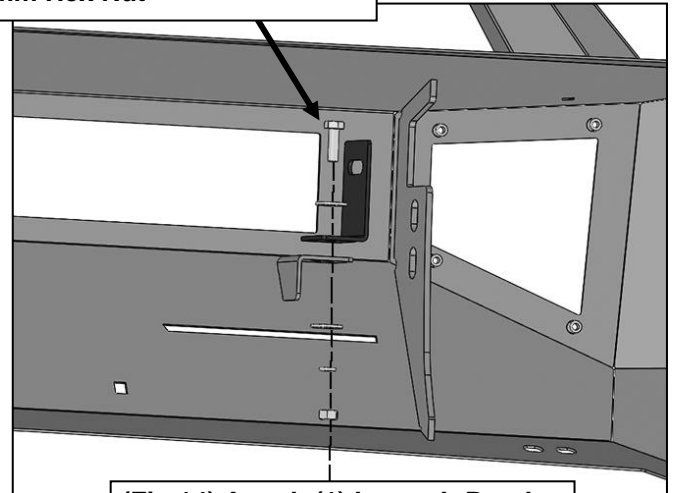
(Fig 12) Passenger/right side Bumper Bracket

Passenger/right Side Installation Pictured



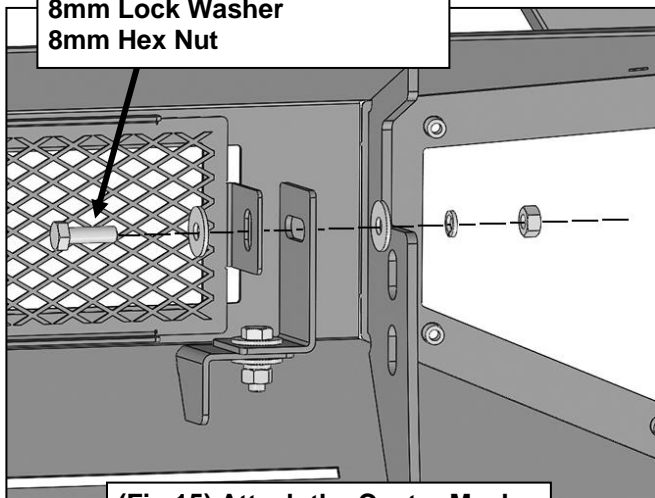
(Fig 13) Attach (1) Rubber Strip to the side of the Bumper to protect the finish of the factory bumper

8mm x 25mm Hex Bolt
(2) 8mm x 24mm Flat Washers
8mm Lock Washer
8mm Hex Nut



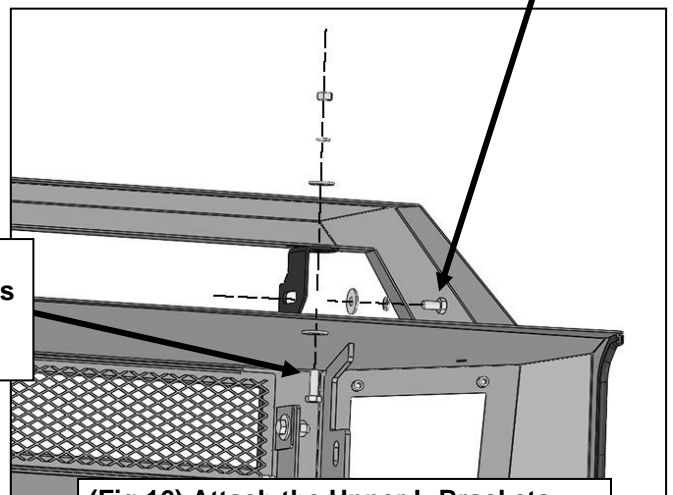
(Fig 14) Attach (1) Lower L-Bracket to the back of the Bumper

8mm x 25mm Hex Bolt
(2) 8mm x 24mm Flat Washers
8mm Lock Washer
8mm Hex Nut



(Fig 15) Attach the Center Mesh Panel to the (2) Lower L-Brackets

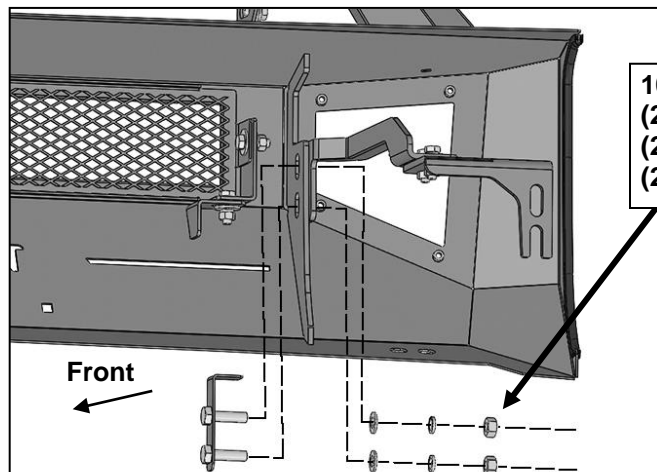
8mm x 16mm Hex Bolt
8mm Lock Washer
8mm x 24mm Flat



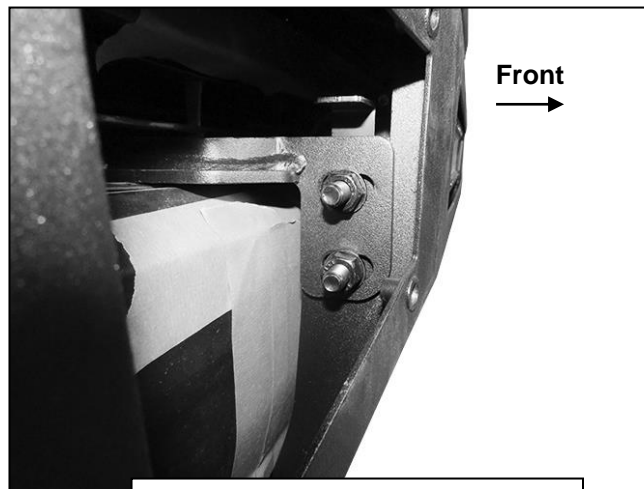
(Fig 16) Attach the Upper L-Brackets and Light Bar to the bottom of the Hoop

8mm x 25mm Hex Bolt
(2) 8mm x 24mm Flat Washers
8mm Lock Washer
8mm Hex Nut

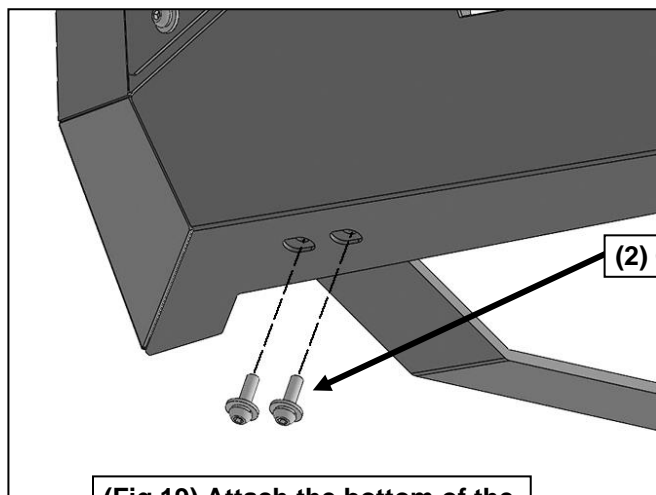
Passenger/right Side Installation Pictured



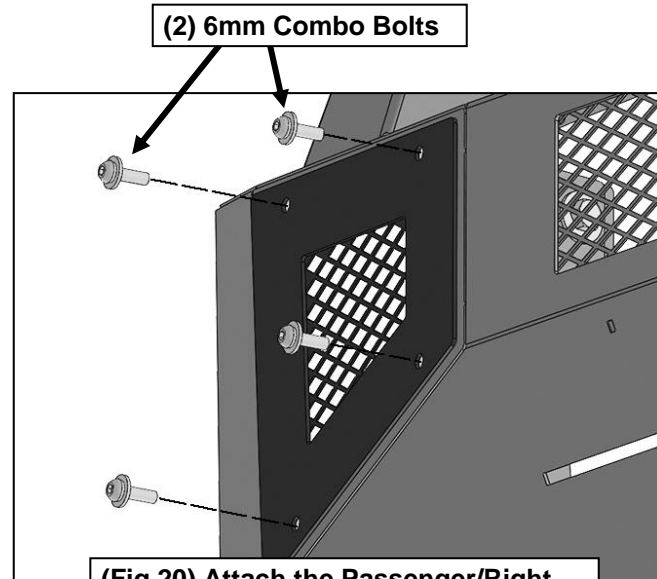
(Fig 17) Attach the Bumper to the Bumper Bracket



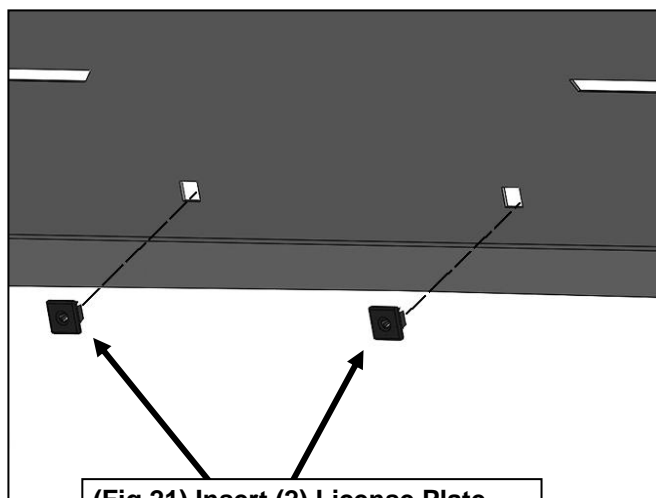
(Fig 18) Bumper attached to the Passenger/Right Bumper Bracket



(Fig 19) Attach the bottom of the Bumper to the Support Brackets



(Fig 20) Attach the Passenger/Right Mesh Panel to the front of the Bumper



(Fig 21) Insert (2) License Plate Plugs into the front of the Bumper