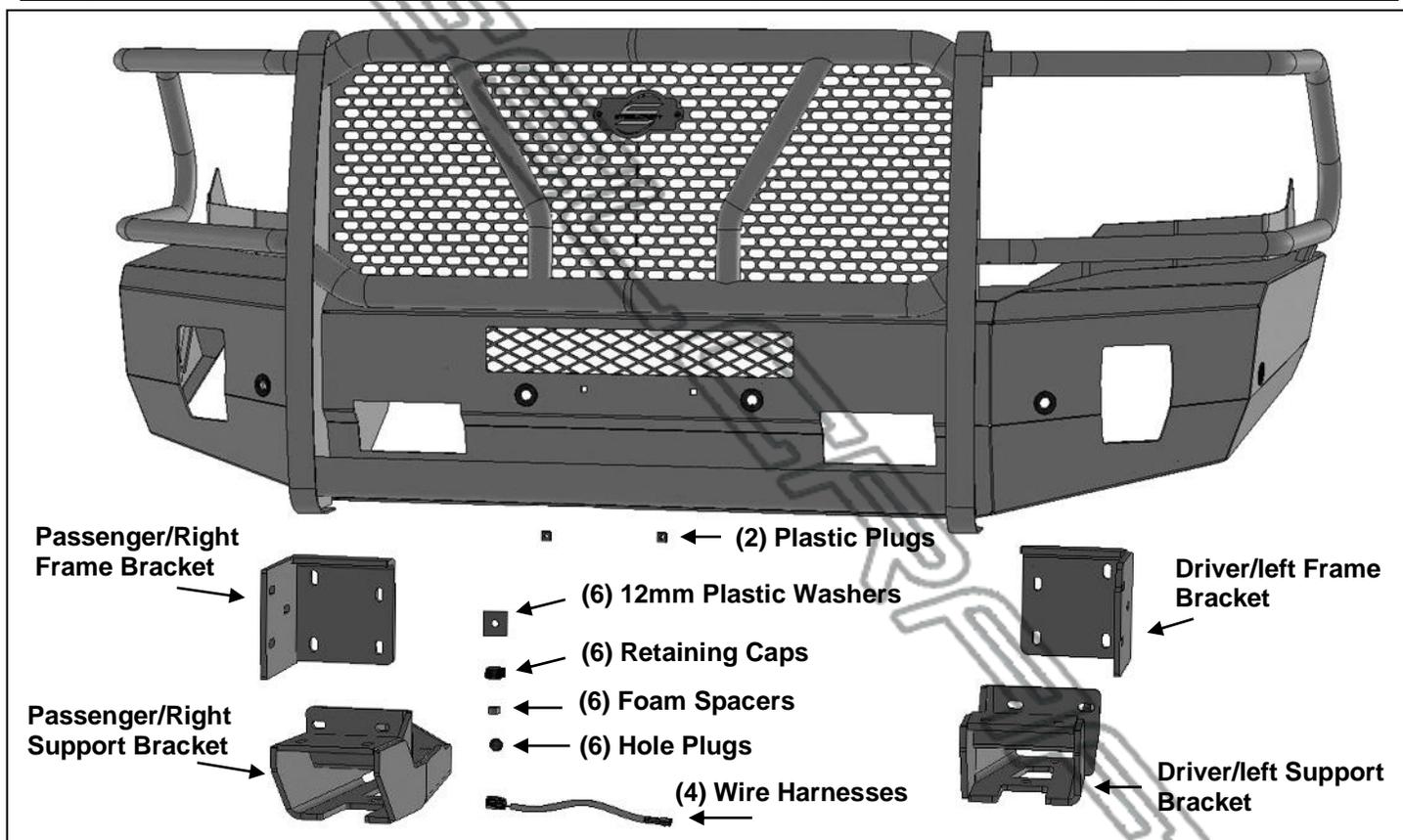


**ALUMINUM ELEVATION FRONT BUMPER
2013-18 RAM 1500**

PARTS LIST:

1	Elevation Bumper Assembly	6	12-1.75mm x 65mm Hex Bolts
1	Driver/left Frame Mounting Bracket	12	12-1.75mm x 55mm Hex Bolts
1	Passenger/right Frame Mounting Bracket	4	12mm x 44mm x 4mm Large Flat Washer
1	Driver/left Support Bracket	38	12mm x 37mm x 3mm STD Flat Washers
1	Passenger/right Support Bracket	22	12mm Lock Washers
2	Plastic Plugs for license plate mount	20	12mm Hex Nuts
6	Sensor Hole Plugs	2	10-1.5mm x 40mm Hex Bolts
6	20mm x 10mm Foam Spacer	4	10mm x 30mm OD x 2.5mm Flat Washers
6	Sensor Retaining Caps	2	10mm Lock Washers
4	Wire Harnesses	2	10mm Hex Nuts
1	Sensor Covers Kit	6	6-1.00mm x 25mm Hex Bolts
6	12mm Plastic Washers	12	6mm x 18mm x 1.6mm Flat Washers
2	12-1.5mm x 35mm Special Fine Thread Hex Bolts	6	6mm Nylon Lock Nuts
2	12-1.75mm x 130mm Hex Bolts	12	4mm x 10mm Self Tapping Screws



RECOMMENDED TO REPLACE THE 12MM HEX BOLTS ON AN ANNUAL BASIS

PROCEDURE:

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

1. Remove the license plate and bracket. Remove lower air dam, (**Figure 1**). **NOTE:** Air dam is attached with many 2pc retaining clips. Pry up center of pin to release and remove clips.
2. Next, remove the plastic fascia fill panel between the headlights and the top of the bumper. **NOTE:** Release inner fender liner to access hardware attaching the ends of fascia panel to the bottom of the

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front fenders, **(Figures 2—4)**. On some model years, it may be necessary to temporarily remove the grille to remove the fascia or 1pc plastic bumper cover.

3. On models with factory fog lights and/or sensors, unplug wiring harness leading to the bumper, **(Figure 5)**. Release the harness from the clips attached to the back of the bumper and move harness away.
4. On models equipped with tow hooks, remove the tow hooks and mounting brackets, **(Figure 6)**.
5. 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 (3) hex nuts attaching each bumper bracket to the end of the frame, **(Figure 6)**. **WARNING!** Assistance is required to hold the bumper in place during hardware removal to prevent the bumper from falling. Slide bumper off of the end of the frame.
6. Next, remove the plastic inner support blocks from the bottom of the grille and below the headlights, **(Figures 4 & 7)**.
7. Remove the bag of hardware from the bracket kit. Group the 12mm Hex Bolts into specific sizes. Separate the (12) 12mm x 55mm Hex Bolts from the (6) 12mm x 65mm Hex Bolts, (use the longer 65mm Hex Bolts for tow hook install only, see **Step 11**).
8. Select the driver/left side Frame Mounting Bracket, **(Figure 8)**. **NOTE:** The two holes in the top of the mounting flange on the end of the frame are two sizes (1-large, 1-small). Attach the Bracket to the large outer top mounting hole with (1) 12mm x 55mm Hex Bolt, (2) 12mm STD Flat Washers, (1) 12mm Lock Washer and (1) 12mm Hex Nut. Use (1) 10mm x 40mm Hex Bolt, (2) 10mm Flat Washers, (1) 10mm Lock Washer and (1) 10mm Hex Nut to attach the Bracket to the smaller, top inner mounting hole in the bumper flange, **(Figures 8 & 9)**.
9. Locate the holes in the side and threaded hole in the bottom of the frame extension, **(Figure 9)**. Select the driver/left Support Bracket, **(Figure 10)**. Attach the Support Bracket to the bottom two mounting holes in the Frame Bracket and frame with (2) 12mm x 55mm Hex Bolts, (4) 12mm STD Flat Washers, (2) 12mm Lock Washers and (1) 12mm Hex Nuts.
10. Attach the rear mounting tab on the Support Bracket to the outside of the lower frame extension with (1) 12mm x 130mm Hex Bolt, (2) 12mm STD Flat Washers, (1) 12mm Lock Washer and (1) 12mm Hex Nut. Attach the bottom of the Support Bracket to the threaded hole in the bottom of the frame extension with (1) 12-1.5mm x 35mm **Special Fine Thread Hex Bolt**, (1) 12mm Lock Washer and (1) 12mm STD Flat Washer, **(Figures 9, 11A & 11B)**. Snug but do not fully tighten hardware at this time.
IMPORTANT: Do not overtighten the long 12mm x 130mm Hex Bolt.
11. Next, select the driver/left tow hook if equipped, (models without tow hooks skip to **Step 12**). Attach the tow hook to the inner mounting hole on the inside of the Support Bracket with the included (1) 12mm x 65mm Hex Bolt, (2) 12mm x 44mm Large Flat Washers, (1) 12mm Lock Washer and (1) 12mm Hex Nut, **(Figure 12)**. Attach the forward end of the tow hook to the two holes in the Support Bracket with (2) 12mm x 65mm Hex Bolts, (4) 12mm STD Flat Washers, (2) 12mm Lock Washers and (1) 12mm Hex Nuts, **(Figure 12)**. Tighten only the tow hook hardware at this time.
12. Repeat **Steps 8—11** to install the passenger/right side Frame, Support Bracket and tow hook.
13. Carefully remove both fog light assemblies, all sensors and the wiring harness from the back of the OE bumper. Note location of each sensor for correct reinstallation.

Models without bumper sensors:

- a. Insert (1) Plug into the outer hole in the Sensor Mount, **(Figure 13)**.
- b. Repeat to plug remaining (5) mounting holes in Bumper. Continue to **Step 14**.

Models with bumper mounted sensors:

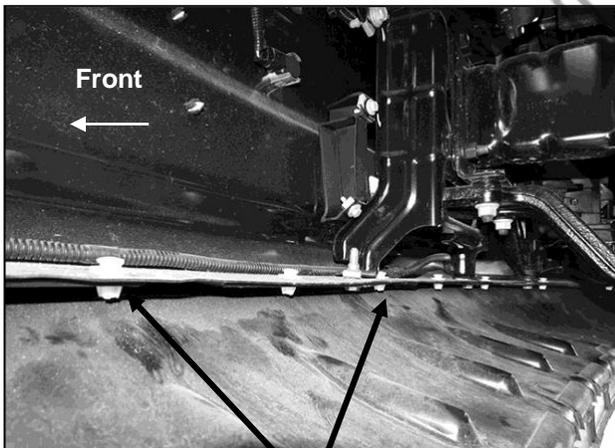
- a. Select the driver/left outer sensor. Push the sensor into the Mount from the back of the Bumper until it is flush with the front of the Mount.
 - b. Push (1) Foam Spacer onto the back end of the sensor, **(Figure 14)**.
 - c. Snap (1) Sensor Retaining Cap onto the Sensor Mount, **(Figure 14)**.
 - d. Repeat the previous **Steps** to install the remaining sensors in order from factory bumper.
 - e. Install the factory bumper wiring harness for sensors and fog lights as equipped. Run wiring harness over or through Brackets to reach sensors. **NOTE:** (4) Wire Harness Extensions have been included to extend the factory harness to reach the sensors as needed.
14. **Optional Center LED light installation** (sold separately). **NOTE:** It may be easier to install the center light (not included) on the Bumper before Bumper Assembly is attached to the vehicle.
- a. Attach the light to the (2) tabs on the back of the Bumper, **(Figure 14)**.

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- b. Follow light manufacturer's instructions to adjust and wire the light.
15. With assistance, position the Bumper Assembly up to the inside of the Frame Brackets, **(Figure 15)**. 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.
16. Line up the (3) holes in the driver/left side mounting plate on the inside of the Bumper with the slots in the Frame Bracket. Attach the Bumper to the Bracket with (3) 12mm x 55mm Hex Bolts, (6) 12mm STD Flat Washers, (3) 12mm Plastic Washers, (3) 12mm Lock Washers and (3) 12mm Hex Nuts, **(Figure 15)**. **IMPORTANT:** Place the Plastic Washers between the inner 12mm Flat Washers and the mounting plate on the back of the Bumper to minimize corrosion. Repeat this **Step** to attach the passenger/right side of the Bumper. Snug but do not tighten hardware.
17. Level and adjust the bumper and fully tighten all 12mm hardware to 65-70ft-lbs.
18. **Models with fog lights:**
- a. Attach each light assembly with plastic housing to the mounting tabs on the back of the bumper with (3) 6mm x 25mm Hex Bolts, (6) 6mm Flat Washers and (3) 6mm Nylon Lock Nuts, **(Figure 16)**. **IMPORTANT:** Do not overtighten hex bolts to avoid damaging plastic light mount.
- b. Reattach the factory wiring harness to both lights if equipped.
19. Use the included (2) push-in Plastic Plugs to attach the front license plate, (if required), to the (2) holes in the front of the Bumper, **(Figure 17)**.
20. Plug the bumper wiring harness into the vehicle harness.
21. 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 Bumper assembly.

Driver Side Installation Pictured



(Fig 1) Release clips (arrow) to remove air dam (pictured from behind bumper-tow hook equipped)



(Fig 2) Remove hardware attaching plastic fender liner to fender

Driver Side Installation Pictured



(Fig 3) Pull back fender liner to locate fascia attachment at bottom of front fender

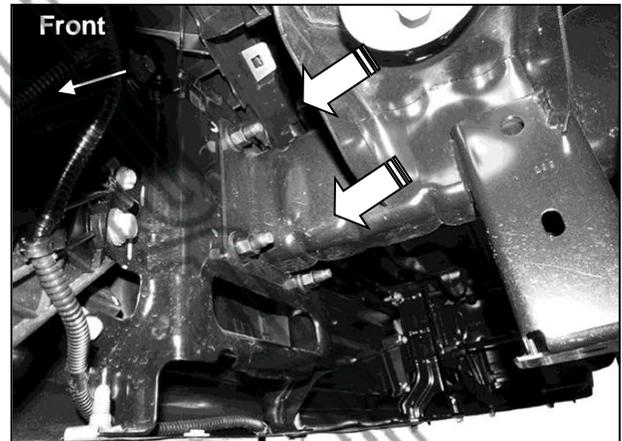
WARNING! Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or the bumper may fall.



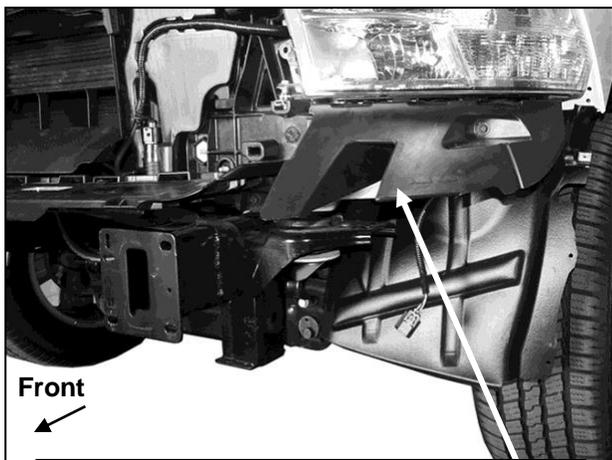
(Fig 4) Remove fascia body panel from top of bumper, (arrows) or 1pc plastic bumper cover



(Fig 5) Unplug lights and sensors if equipped. Unplug harness to bumper and move harness



(Fig 6) Remove (3) factory hex nuts from each side

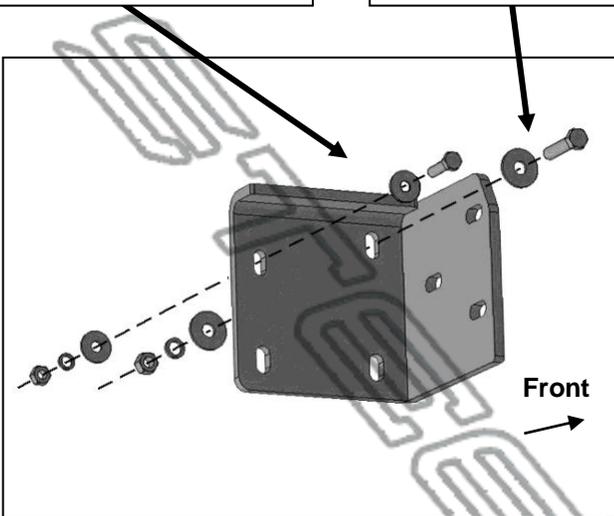


(Fig 7) Remove plastic blocks from below headlight and from below grille (Fig 4)

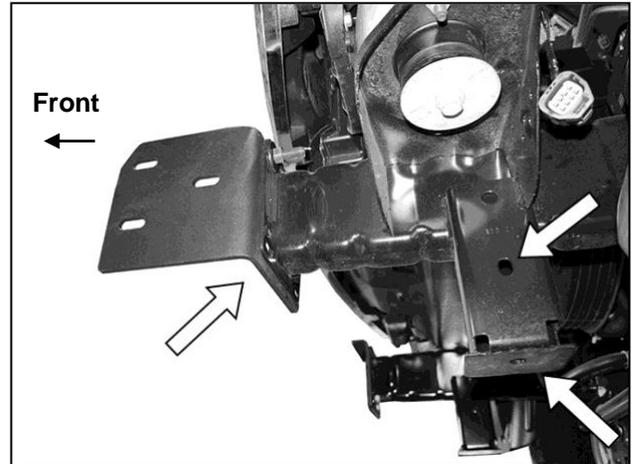
Driver Side Installation Pictured

10mm x 40mm Hex Bolt
(2) 10mm Flat Washers
10mm Lock Washer
10mm Hex Nut

12mm x 55mm Hex Bolt
(2) 12mm STD Flat Washers
12mm Lock Washer
12mm Hex Nut

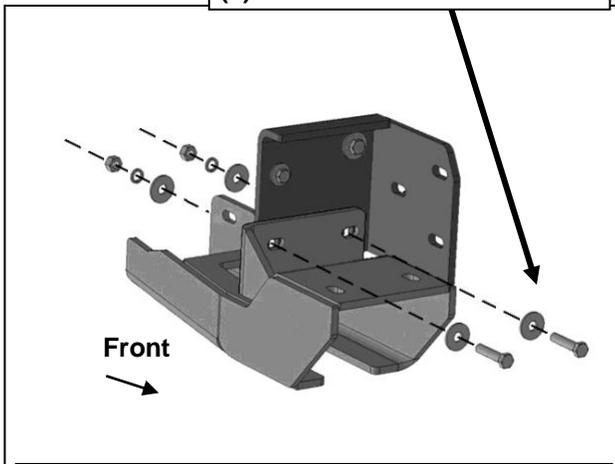


(Fig 8) Attach driver/left Mounting Bracket to top large and small bumper mounting holes on the end of frame



(Fig 9) Driver/left Support Bracket mounting locations (arrows)

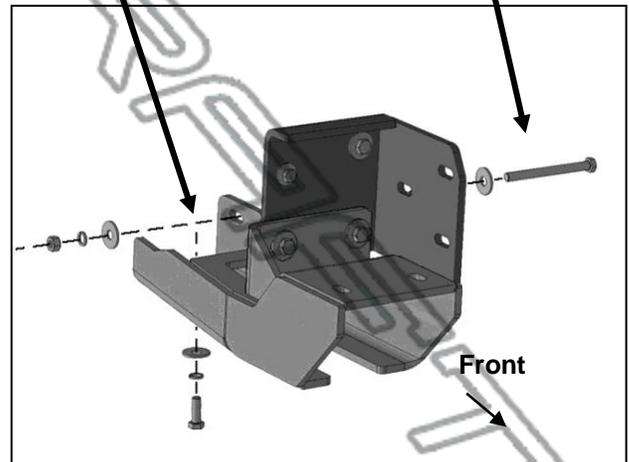
(2) 12mm x 55mm Hex Bolts
(4) 12mm STD Flat Washers
(2) 12mm Lock Washers
(2) 12mm Hex Nuts



(Fig 10) Attach driver/left Support Bracket to bottom holes in frame and Mounting Bracket

12-1.5mm x 35mm Special
Fine Thread Hex Bolt
12mm Lock Washer
12mm STD Flat Washer

12mm x 130mm Hex Bolt
(2) 12mm STD Flat Washers
12mm Lock Washer
12mm Hex Nut

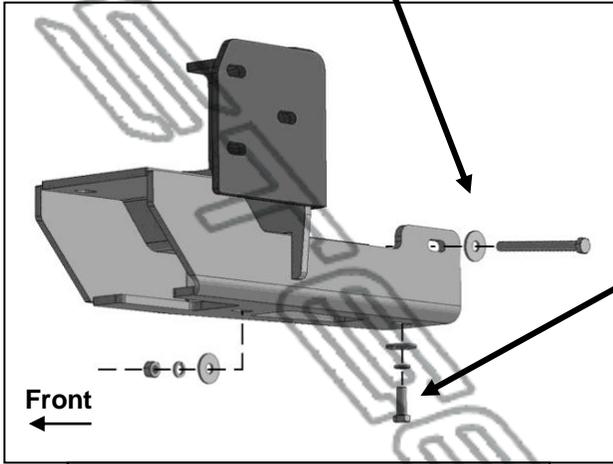


(Fig 11A) Attach Driver/left Support Bracket to side and threaded hole in bottom of frame extension

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

Driver Side Installation Pictured

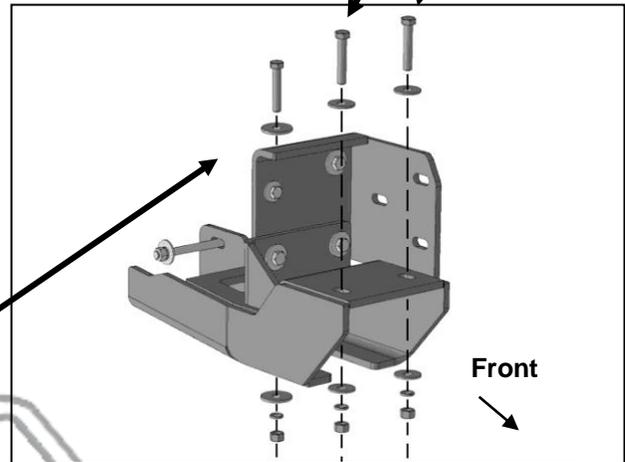
12mm x 130mm Hex Bolt
(2 12mm STD Flat Washers
12mm Lock Washer
12mm Hex Nut



(Fig 11B) Attach Driver/left Support Bracket to side and threaded hole in bottom of frame extension (fig 9)

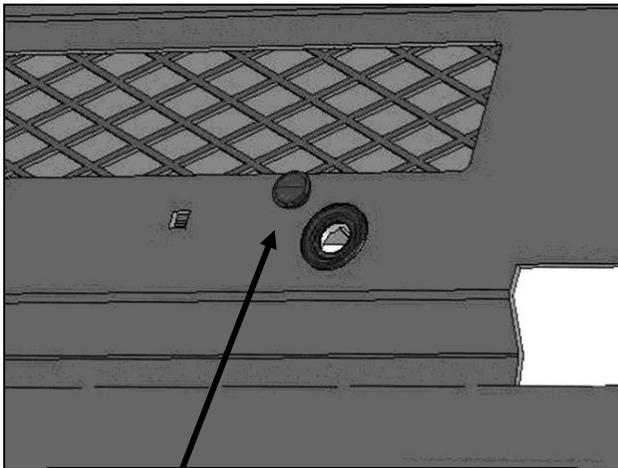
12-1.5mm x 35mm Special Fine Thread Hex Bolt
12mm Lock Washer
12mm STD Flat Washer

(2) 12mm x 65mm Hex Bolts
(4) 12mm STD Flat Washers
(2) 12mm Lock Washers
(2) 12mm Hex Nuts



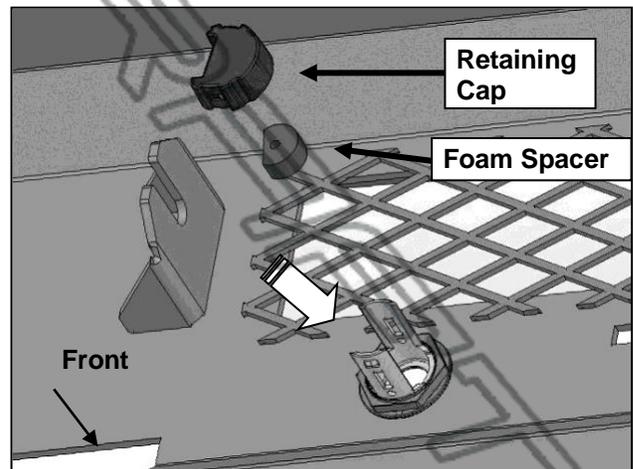
(Fig 12) Attach driver/left tow hook (if equipped) to inside of Support Bracket

12mm x 65mm Hex Bolt
(2) 12mm x 44mm Large Flat Washers
12mm Lock Washer
12mm Hex Nut



(Fig 13) Models without sensors only, insert Plastic Plugs into Sensor Mounts

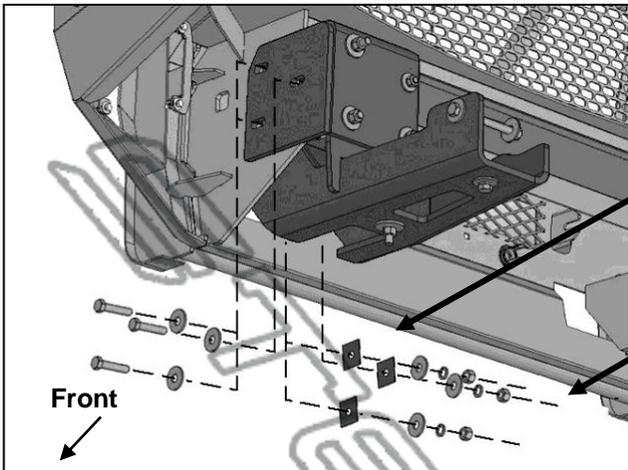
WARNING! Do not crawl under bumper unless it is properly supported on blocks or stands or the bumper may fall.



(Fig 14) Insert sensors into Plastic Mounts on back of bumper

Driver Side Installation Pictured

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

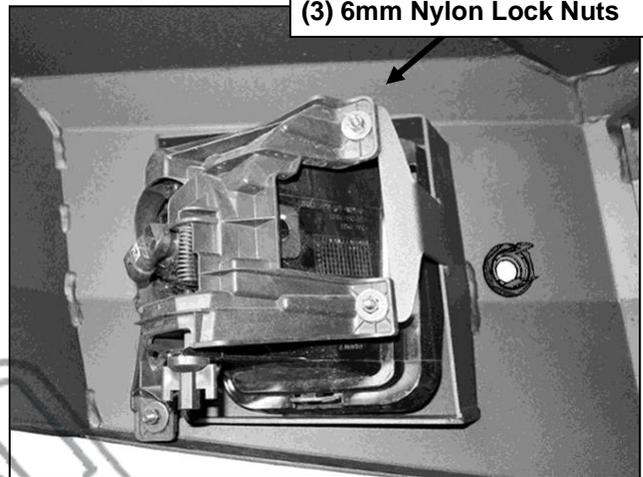


(3) 12mm Plastic Washers

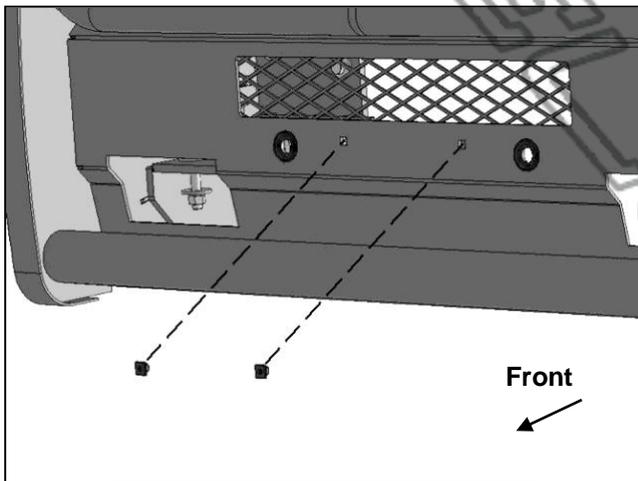
(3) 12mm x 55mm Hex Bolts
(6) 12mm STD Flat Washers
(3) 12mm Lock Washers
(3) 12mm Hex Nuts

(3) 6mm x 25mm Hex Bolts
(6) 6mm Flat Washers
(3) 6mm Nylon Lock Nuts

(Fig 15) Attach Bumper to inside of Bracket. NOTE: Insert Plastic Washers between Flat Washer and mounting plate on Bumper to minimize corrosion



(Fig 16) Attach factory fog light assembly (if equipped) to mounting brackets on back of Bumper



(Fig 17) Push Plastic Plugs into Bumper for license plate

Special Note: While Aluminum does not rust, there is potential for galvanic corrosion if the coating is scratched between your bumper and the steel frame brackets + hardware (especially in extreme environments such as the coastlines or where road salt is used during winter).

A visual inspection should be performed by the user at least on an annual basis to determine if excessive corrosion is present on or surrounding the hardware.

