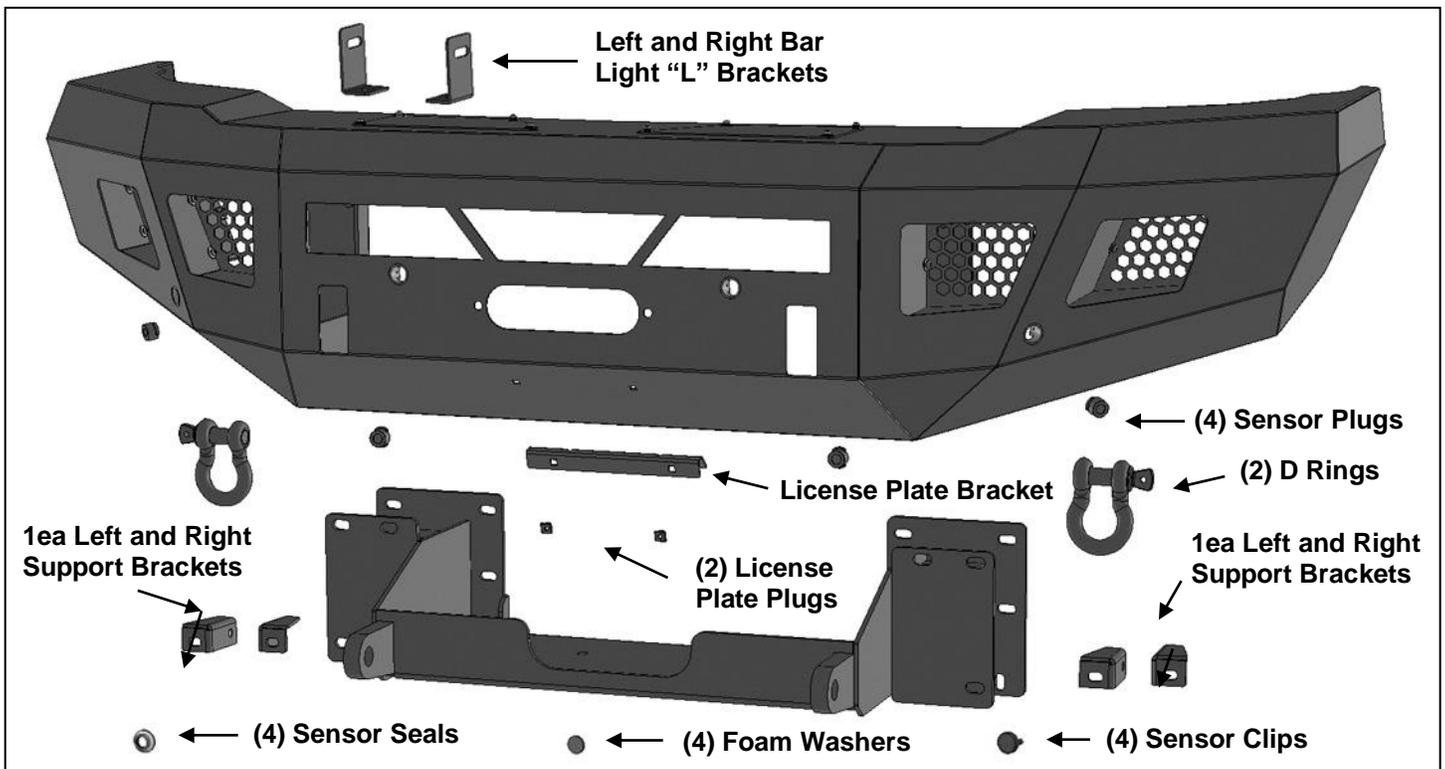




**PARTS LIST:**

1	HD Front bumper	12	12mm x 24mm OD x 2.5mm Flat Washers
1	Winch Tray/Bracket Assembly	6	12mm Lock Washers
2	LH Lower Support Brackets	6	12mm Hex Nuts
2	RH Lower Support Brackets	6	10mm x 30mm x 2.5mm Flat Washers
1	"L" Light bracket driver side	6	10mm Lock Washers
1	"L" Light bracket passenger side	6	10mm Hex Nuts
1	License Plate Bracket	2	8-1.25mm x 25mm Hex Bolts
2	Plastic Plugs for License Plate	2	8-1.25mm x 16mm Hex Bolts
2	D-Rings	6	8mm x 24mm x 2mm Flat Washers
4	Sensor Seals	4	8mm Lock Washers
4	20mm x 2mm Foam Pads	2	8mm Hex Nuts
4	Sensor Retaining Clips	2	6mm x 20mm Button Head Screw
1	Sensor Cover Kit	2	6mm Nylon Lock Nuts
4	Rubber Sensor Hole Block Offs	4	6mm x 12mm x 1.2mm Flat Washers
10	Nylon Cable Ties 200mm	1	6mm Allen Wrench
2	12-1.75mmx130mm Hex Bolts	8	4mm x 10mm Button Head Screws
4	12-1.75mm x 35mm Hex Bolts	1	4mm Allen Wrench



**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. Open the hood and remove the plastic cover from the top of the radiator and grille, (Figure 1). Temporarily remove the plastic grille.
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. Move harness away from bumper.

3. Release the rubber air deflector from the back of the bumper, if equipped, and remove it from vehicle. Next, remove the hardware at each end of the bumper attaching the bumper supports to each side of the frame, **(Figure 2)**.
4. Place blocks or jack stands under the front bumper to support it during mounting bolt removal. Once the bumper has been supported, remove the lower bumper bolts attaching the inner bumper bracket to the frame bracket. Next, from above the bumper, remove the (2) bumper bolts from each side, **(Figure 3)**. **WARNING!** Assistance is required to hold the bumper in place during bolt removal to prevent the bumper from falling. Remove the bumper assembly.
5. Remove the driver/left factory bumper bracket from the end of frame, **(Figure 4)**. Save the (4) hex bolts for reuse. Remove the tow hook, **(Figure 5)**. Repeat this **Step** to remove the passenger side bracket and tow hook. **NOTE:** Tow hooks cannot be reinstalled.
6. Select the Winch Plate/Bracket assembly. Reuse the (8) factory bumper bracket bolts to attach the Winch Tray assembly to the ends of the frame, **(Figures 6 & 7)**. Snug but do not fully tighten hardware at this time.
7. Next, select (1) Inner and (1) Outer Lower Support Bracket. Attach the Support Brackets to the bottom mounting holes in the mounting plate on the driver/left side of the Winch Tray with (2) 12mm x 35mm Hex Bolts, (4) 12mm Flat Washers, (2) 12mm Lock Washers and (2) 12mm Hex Nuts, **(Figure 8)**. Do not tighten hardware at this time.
8. Line up the holes in the Support Brackets with the hole through the frame for the tow hook bolt. Insert (1) 12mm x 130mm Long Hex Bolt with (1) 12mm Flat Washer through the Outer Support Bracket, the frame and Inner Support Bracket. Secure the Brackets to the frame with (1) 12mm Flat Washer, (1) 12mm Lock Washer and (1) 12mm Hex Nut, **(Figures 8—10)**. Snug but do not fully tighten hardware at this time.
9. Repeat **Steps 7 & 8** to install the passenger/right side Inner and Outer Support Brackets.
10. If installing winch, (not included), attach the winch to the Winch Tray at this time. Winch must be installed before Bumper is placed in position against Brackets. **IMPORTANT:** It also may be easier to attach winch cable guide to Bumper assembly at this time. Follow manufacturer's instructions to properly attach the winch to the vehicle's electrical system.
11. Determine if the vehicle is equipped with sensors:

**Models without bumper sensors:**

- a. Select the included (4) Rubber Plugs.
- b. From behind bumper, push plugs into sensor mounting holes, **(Figure 11)**. Screws have been provided to lock the plugs in the sleeve. Use is optional.

**Models with bumper mounted sensors:**

- a. Unplug and remove sensors and wiring harness from factory bumper. Test fit sensor in sleeve. It may be necessary to cut or grind off the tabs on the sides of the sensor to fit into the sleeve.
  - b. Remove the silicone seal from the end of the sensor. Slide the included larger Sensor Seal over front of sensor, **(Figure 12)**.
  - c. Insert sensor with Seal into sensor mount, **(Figure 13)**.
  - d. Place Foam Washer over end of sensor. Push Sensor Retaining Clip into sensor mount and lock into mounting holes, **(Figure 13)**.
  - e. Repeat previous Steps to install remaining sensors.
  - f. Install wiring harness for sensors.
  - g. **Optional:** Secure each sensor to the socket with (2) 4mm x 10mm Button Head Screws, **(Figure 11)**. **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.
12. If front license plate is required, attach the License Plate Bracket to the holes in the bumper with the included (2) 6mm x 20mm Button Head Screws, (4) 6mm Flat Washers and (2) 6mm Nylon Lock Nuts, **(Figure 14)**. Insert (2) Plastic Plugs into the square holes in the Bracket. Reuse the factory screws to attach the license plate to the plastic plugs.

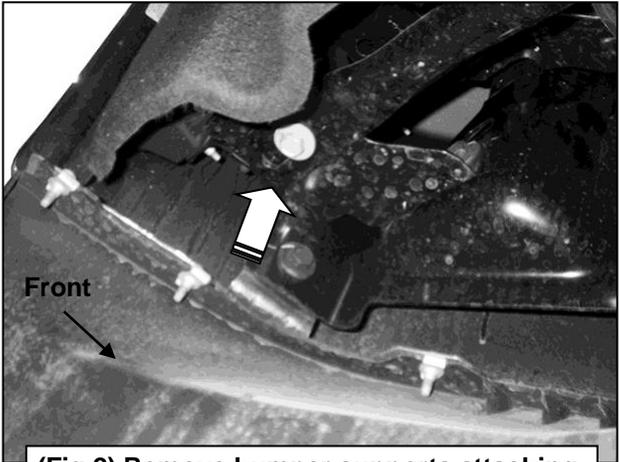
- 13. Optional Center LED light installation, (sold separately).** **NOTE:** Light must be installed in Bumper before Bumper Assembly is attached to the Winch Tray and Brackets. **IMPORTANT:** Clearance between the bar style LED light and the winch and/or winch tray must be determined before installing Bumper assembly.
- Select the L/R “L” Brackets, **(Figure 15)**. **NOTE:** “L” Brackets are offset for universal fitment for most LED bar style lights. 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 15)**. Do not fully tighten hardware at this time. **NOTE:** “L” Brackets may require modification for hardware larger than 8mm or use brackets supplied with light if possible.
  - Attach the light and brackets to the top of the (2) tabs on 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, **(Figure 15)**. Adjust light position and tighten hardware.
  - Follow light manufacturer’s instructions to wire the light to the vehicle’s electrical system once Bumper has been fully installed.
- 14. LED light installation at ends of bumper (sold separately).**
- Insert light into opening and up to mounting slots. Check for clearance between front and back of light. If necessary, remove the screens from the back of the openings, **(Figure 16)**. **NOTE:** Screens must be removed before Bumper is installed.
  - Follow the light manufacturer’s instructions to attach each light to slot in the top of the light opening. **NOTE:** On two light systems, attach the flood light to the outer slot and the spot light to the inner slot.
  - Repeat the above **Steps** for passenger/right side light installation.
  - Follow light manufacturer’s instructions to adjust and properly wire the light to the vehicle electrical system.
- 15.** With assistance, position the Bumper Assembly up to the mounting plate on the Winch Tray. 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) studs in the driver/left side mounting plate on the back of the Bumper with the (3) slots in the Frame Bracket. Attach the Bumper to the Bracket with the included (3) 10mm Flat Washers, (3) 10mm Lock Washers and (3) 10mm Hex Nuts, **(Figures 17 & 18)**. Do not fully tighten hardware at this time. Repeat this Step to attach the passenger/right side mounting plate to the Frame Bracket.
- 17.** Level and adjust the bumper and fully tighten all hardware. **NOTE:** It may be necessary to temporarily remove the outer Bumper to shift the inner Winch Tray/Bracket assembly left or right for more adjustment. Once properly adjusted, fully tighten the Winch Tray/Bracket assembly hardware first, then reinstall the outer Bumper and fully tighten the Bumper mounting hardware.
- 18.** Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**To protect your investment,** wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. 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 HD Front Bumper assembly.

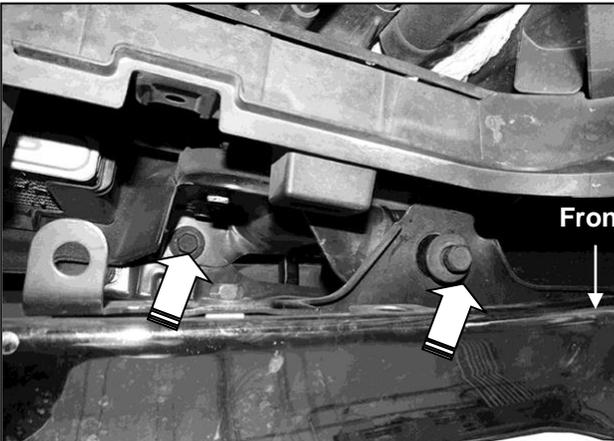
Driver Side Installation Pictured



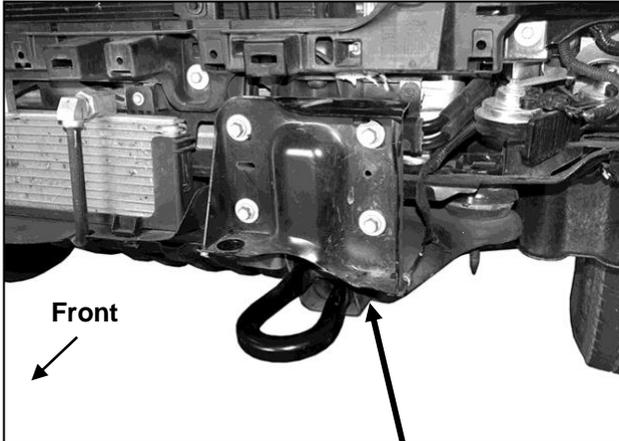
(Fig 1) Remove plastic cover and grille



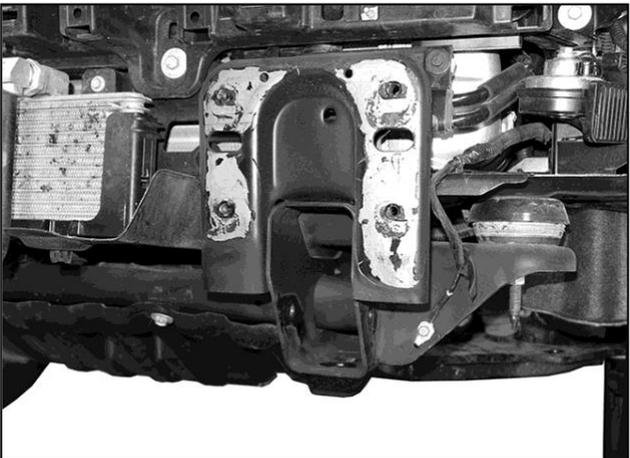
(Fig 2) Remove bumper supports attaching outer end of bumper to frame (arrow)



(Fig 3) Remove bumper bolts (arrows) to remove bumper (driver side pictured from above)



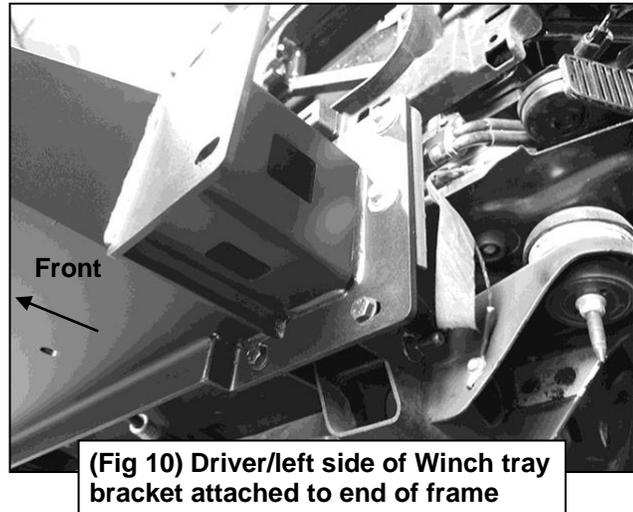
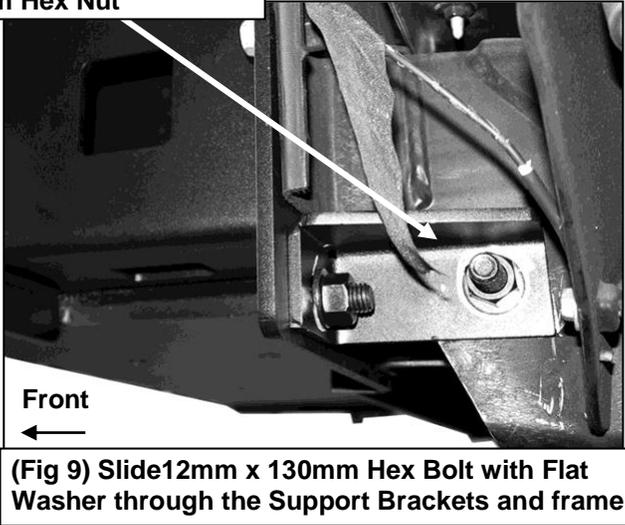
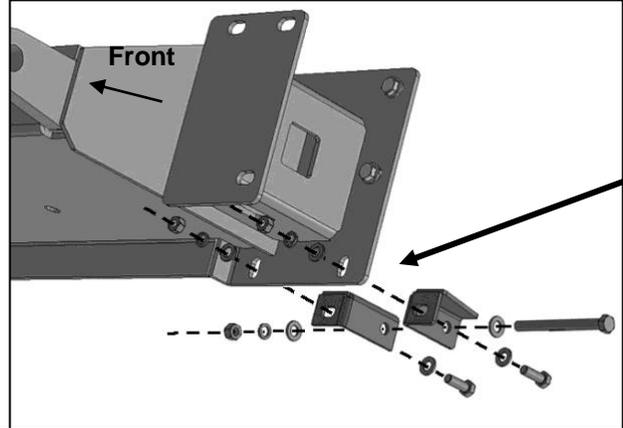
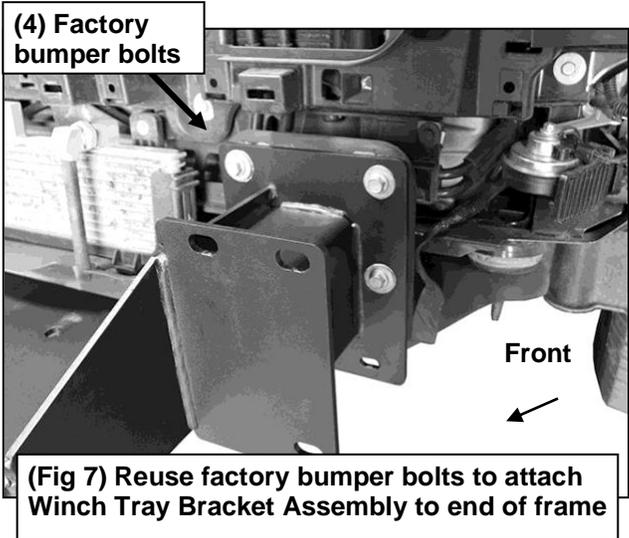
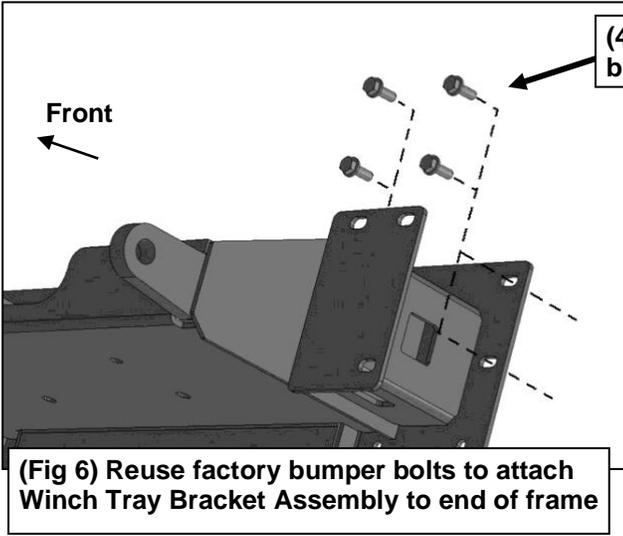
(Fig 4) Remove bumper brackets and tow hooks



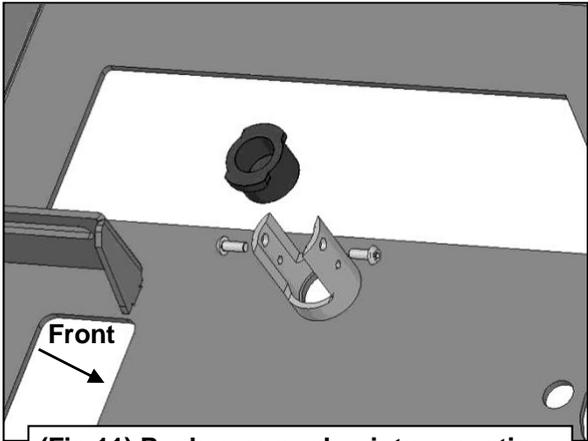
(Fig 5) Remove bumper brackets and tow hooks

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

**Driver Side Installation Pictured**

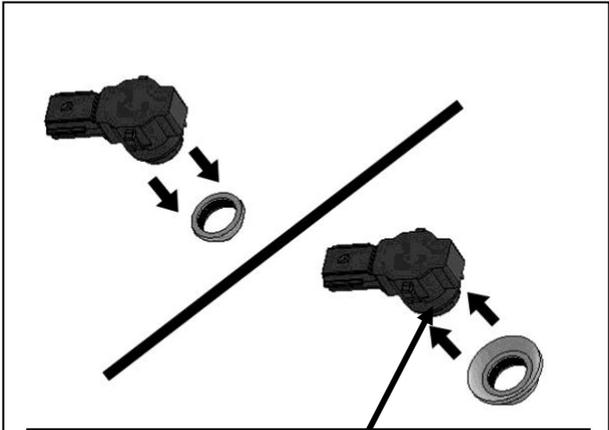


**Driver side installation pictured**

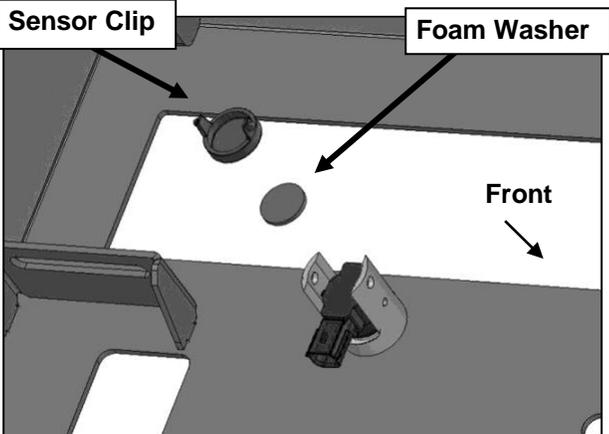


(Fig 11) Push sensor plug into mounting sleeve. Use of 4mm Screws is optional

**NOTE:** Sensor plugs fit snug in sockets. Use of the 4mm Screws is optional. 4mm Screws can also be used to apply slight pressure to lock the sensors in place or to aim the sensor. Tighten both screws evenly until they touch the sensor body only. Do not overtighten screws or damage to sensors will result.

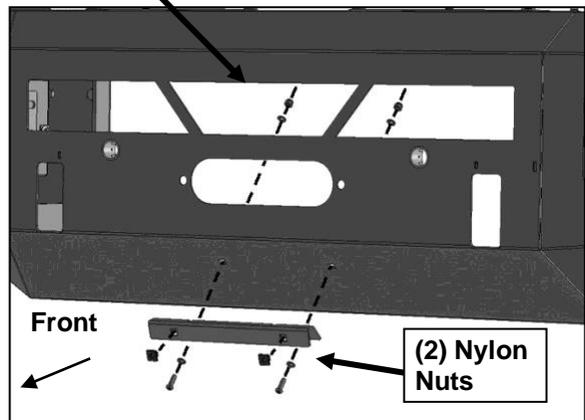


(Fig 12) Remove silicone seal from sensor. Slide large Seal over end of sensor (arrow)

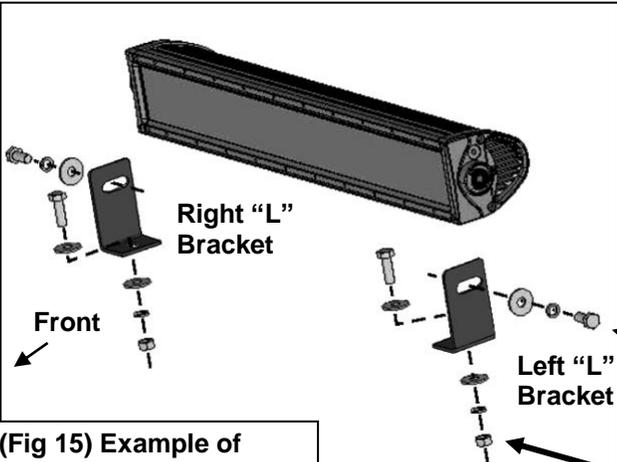


(Fig 13) Slide sensor into sleeve, insert Foam Washer and Clip to lock sensor in sleeve

- (2) 6mm x 20mm Button Head Screws
- (4) 6mm Flat Washers
- (2) 6mm Nylon Lock Nuts



(Fig 14) Attach License Plate Bracket to Bumper

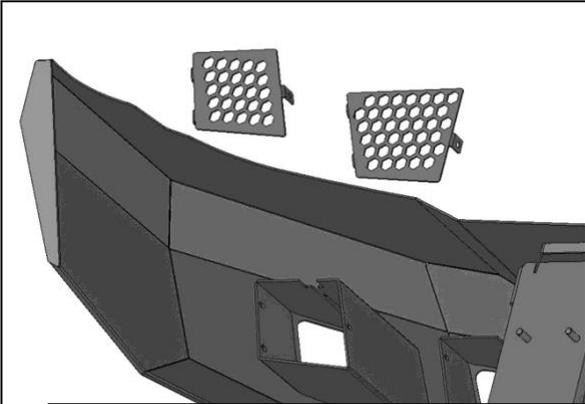


(Fig 15) Example of center light installation

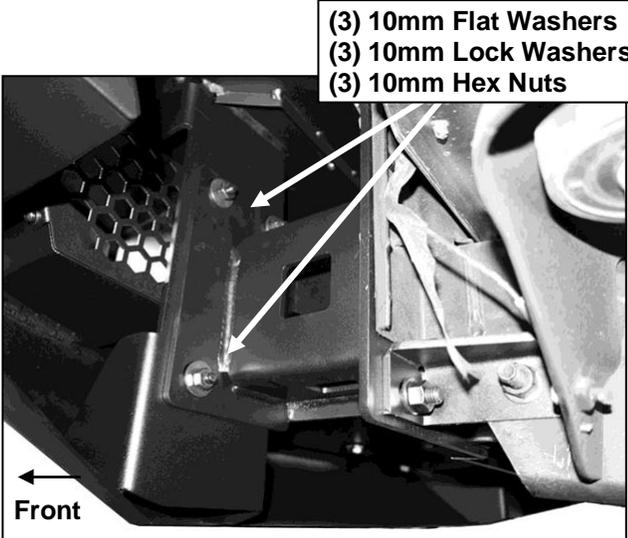
- (2) 8mm x 16mm Hex Bolts
- (2) 8mm Lock Washers
- (2) 8mm Flat Washers

- (2) 8mm x 25mm Hex Bolts
- (4) 8mm Flat Washers
- (2) 8mm Lock Washers
- (2) 8mm Hex Nuts

Driver side installation pictured



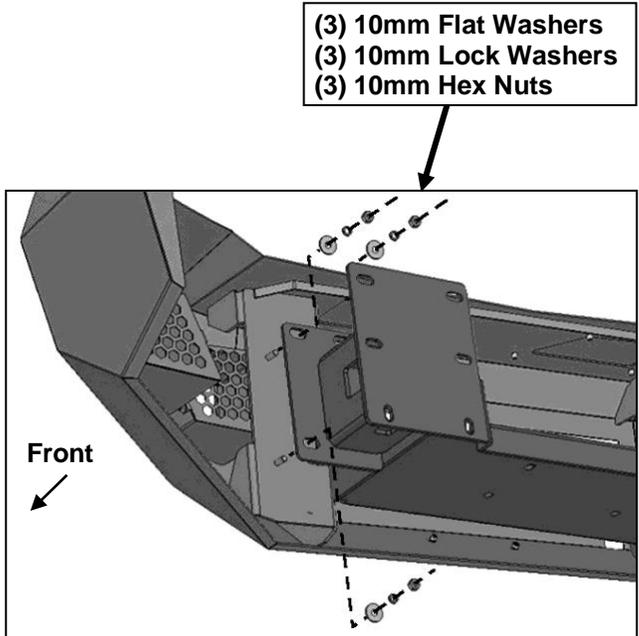
(Fig 16) Remove screens if necessary for clearance/access to outer light mounts



- (3) 10mm Flat Washers
- (3) 10mm Lock Washers
- (3) 10mm Hex Nuts

(Fig 18) Attach Bumper assembly to Frame Brackets

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



- (3) 10mm Flat Washers
- (3) 10mm Lock Washers
- (3) 10mm Hex Nuts

(Fig 17) Attach Bumper assembly to Frame Brackets



Complete Installation

