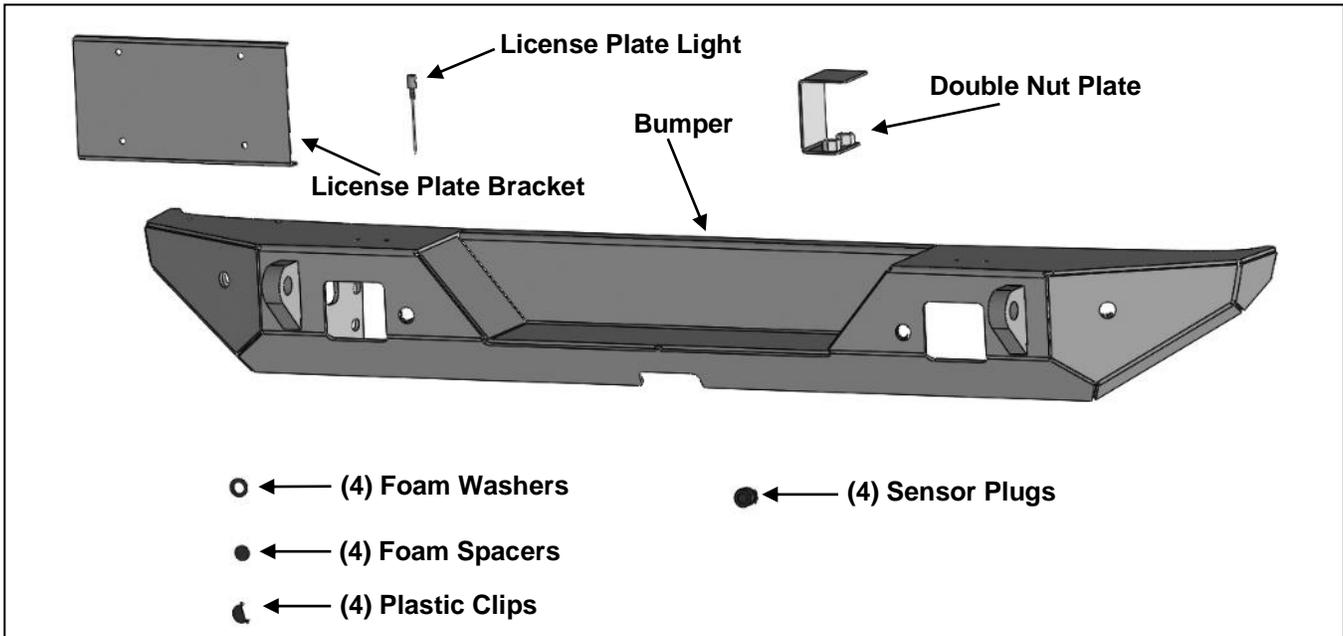




**REAR BUMPER FOR
2018-ON JEEP WRANGLER JL**



PARTS LIST:

1	Rear Bumper	2	14mm Lock Washers
1	License Plate Bracket	2	14mm x 28mm OD X2.5mm Flat Washers
1	LED License Plate Light	4	6-1.0mm x 15mm Button Head Bolts
1	Nut Plate	8	6mm x 12mm OD x 1.6mm Flat Washers
4	Rubber Sensor Plugs	4	6mm Lock Washers
4	15.5mm x 25mm OD x 2mm Foam Washers	4	6mm Hex Nuts
8	20mm x 2mm Spacer Washers	8	4-.75mm x 10mm Button Head Bolts
4	Plastic Sensor Retainer Clips	1	3 Meter Wiring Kit
4	Sensor Covers	4	Wire Connector
2	Cube Lights	1	4mm Hex Wrench
2	14-1.5mm x 55mm Hex Bolts	1	2.5mm Hex Wrench

PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. WARNING. ALLOW TIME FOR THE MUFFLER TO COMPLETELY COOL BEFORE REMOVING REAR BUMPER.

1. Start installation from under the Driver/Left side of the rear bumper. Remove the plastic cover from the back of the rear wheel opening, **(Figure 1)**. Locate and remove the (2) hex bolts attaching the outer bracket running from the side of the frame to the outer end of the bumper, **(Figure 2)**. Remove the (2) hex bolts attaching the bottom of the bumper to the rear crossmember if equipped, **(Figure 3)**. Repeat this **Step** on the Passenger/Right side of the vehicle.
2. Unplug the wiring harness leading to the rear bumper.
3. With assistance, remove the (4) hex nuts attaching the bumper to the inner bumper brackets. Slide bumper off of the inner and outer bumper brackets.
4. Remove the Driver/Left outer bumper bracket attached to the side of the frame, **(Figure 4)**. Next, remove the (4) hex bolts attaching the tow hook to the Driver/Left side of the frame and remove the inner bumper bracket, **(Figure 5)**.
5. Repeat **Step 4** to remove the Passenger/Right side bumper brackets.

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6. Select the Double Nut Plate. Insert the Nut Plate into the open end of the frame. Line up the Nut Plate with the holes in the bottom of the frame, **(Figure 6)**.
7. **Determine if the vehicle is equipped with parking sensors. NOTE:** Depending on tow package, it may be necessary or easier to install sensors, (if equipped), before attaching the Bumper.

Models without parking sensors:

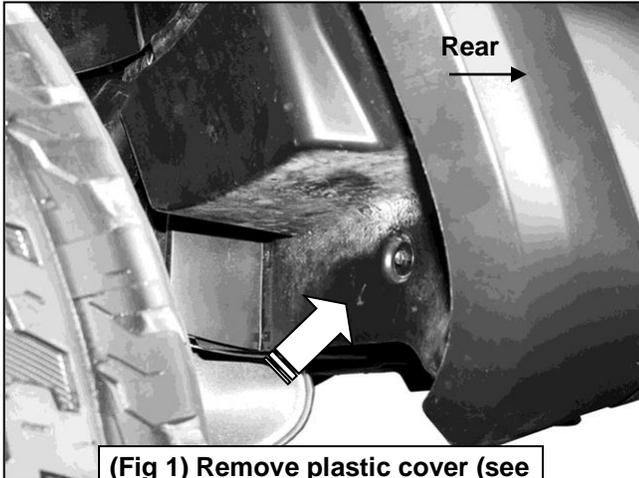
- a. Select (1) Rubber Plug.
- b. Insert the Plug into sensor mounting sleeve on the back of the bumper, **(Figure 7)**. Screws have been provided to lock the Plugs into the sleeves. Use is optional.
- c. Repeat previous **Steps** to insert the remaining (3) Rubber Plugs.

Models with bumper mounted sensors:

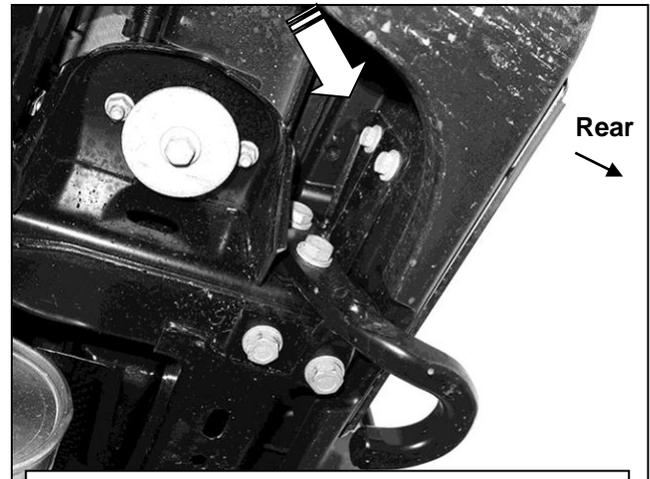
- a. Disassemble the factory bumper to remove the wiring harness and sensors.
 - b. Select (1) parking sensor. Remove the seal from the end of the sensor. Slide (1) Foam Washer over the front of the sensor, **(Figure 8)**.
 - c. Insert the sensor with Seal into sensor sleeve on the back of the Bumper, **(Figure 9)**.
 - d. Place (1) Foam Spacer over end of the sensor. Push Sensor Retaining Clip into sensor mount and lock into mounting holes, **(Figure 9)**. **Note:** The sensor may need (2) Foam Spacers to fit properly.
 - e. Repeat previous **Steps** to attach the (3) remaining sensors.
 - f. Attach the wiring harness to sensors.
 - g. **Optional:** Secure each sensor to the sensor sleeve with (2) 4mm x 10mm Button Head Screws, **(Figure 7)**. **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.
8. **Determine if Cube Lights will be installed**
 - a. Select (1) Cube Light.
 - b. Attach the Light to the mounting tab on the back of the bumper, **(Figure 10)**. Follow the wiring instructions included with the Light.
 - c. Repeat previous **Steps** to attach the remaining Cube Light.
 9. With assistance, carefully position the Rear Bumper up to the outside of the frame.
 - a. Attach the Bumper to the Nut Plate in the Passenger/Right frame end with (2) 14mm Fine Thread Hex Bolts, (2) 14mm Lock Washers and (2) 14mm Flat Washers, **(Figure 10)**.
 - b. Reuse the factory hex bolts to attach the Bumper to the threaded inserts in the bottom and sides of the frame on both ends of the Bumper, **(Figures 11—14)**. Do not tighten hardware at this time.
 10. Level and adjust the Rear Bumper and tighten all hardware at this time.
 11. Select the License Plate Bracket. Attach the Bracket to the Driver/Left side of the bumper with (2) 6mm Button Head Bolts, (4) 6mm Flat Washers, (2) 6mm Lock Washers and (2) 6mm Hex Nuts, **(Figure 15)**.
 12. Select the LED License Plate Light. Attach the Lights to (1) upper hole in the license plate and License Plate Bracket, **(Figure 16)**. Attach the lower holes in the license plate and License Plate Bracket with (2) 6mm Button Head Bolts, (4) 6mm Flat Washers, (2) 6mm Lock Washers and (2) 6mm Hex Nuts, **(Figure 16)**. Attach the wiring on the License Plate Lights to the wire harness.
 13. On models with sensors, plug-in the bumper wiring harness to the main harness.
 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 Bumper.

Driver/Left Side Installation Pictured



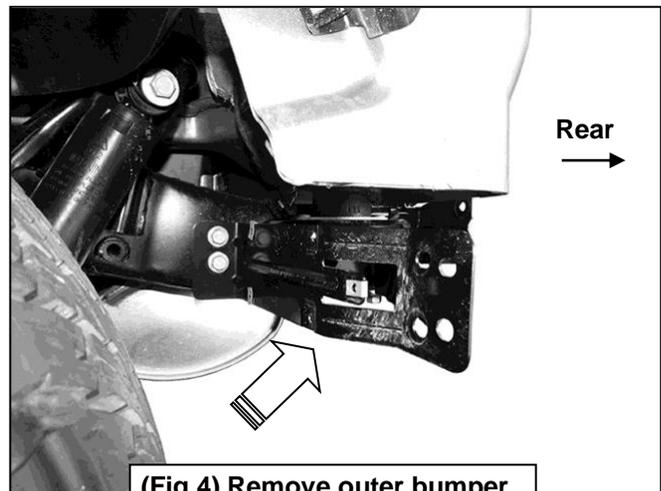
(Fig 1) Remove plastic cover (see arrow-Driver/Left side pictured)



(Fig 2) Remove (2) outer bumper bracket bolts

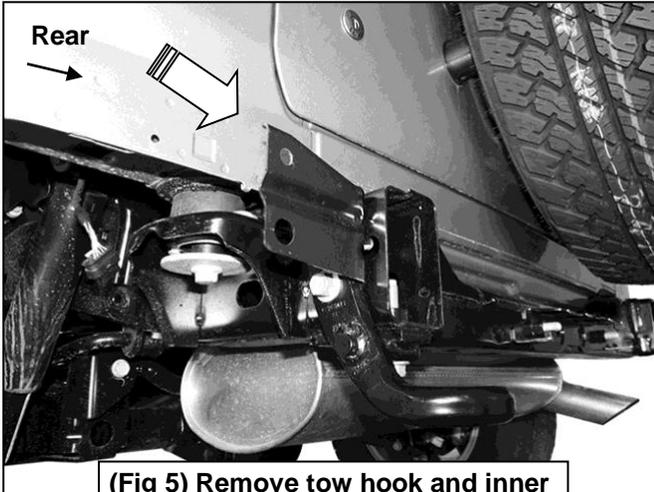


(Fig 3) Remove (2) hex bolts attaching bottom of bumper to frame cross member

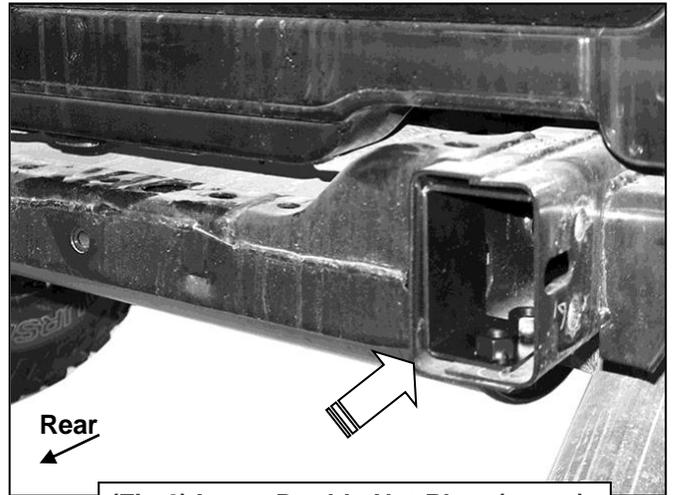


(Fig 4) Remove outer bumper bracket from side of frame

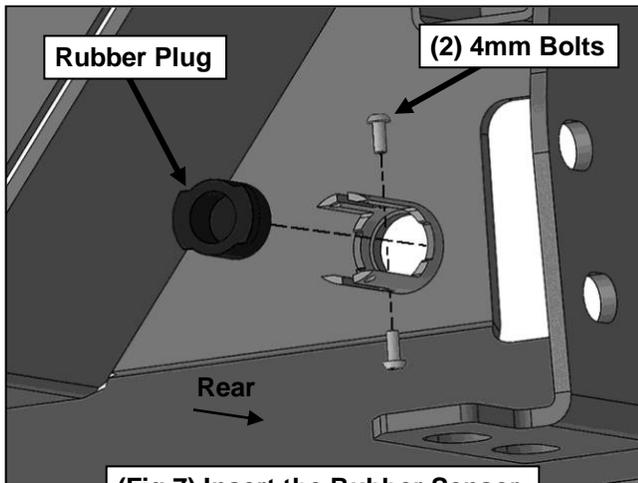
Driver/Left Side Installation Pictured



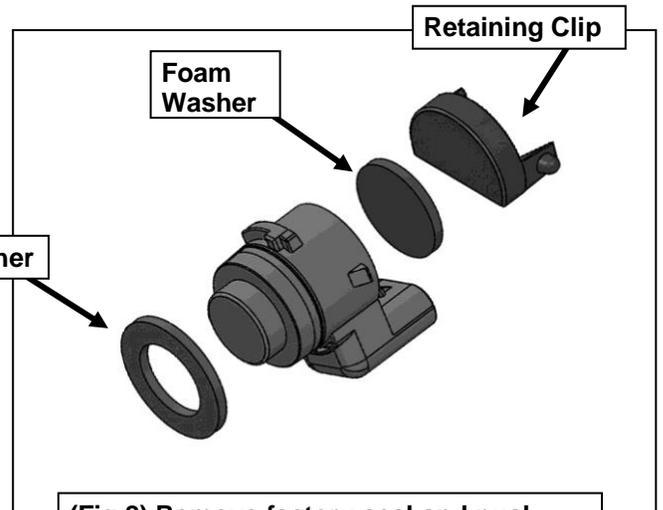
(Fig 5) Remove tow hook and inner bumper bracket from side of frame



(Fig 6) Insert Double Nut Plate (arrow) into Passenger/Right end of frame

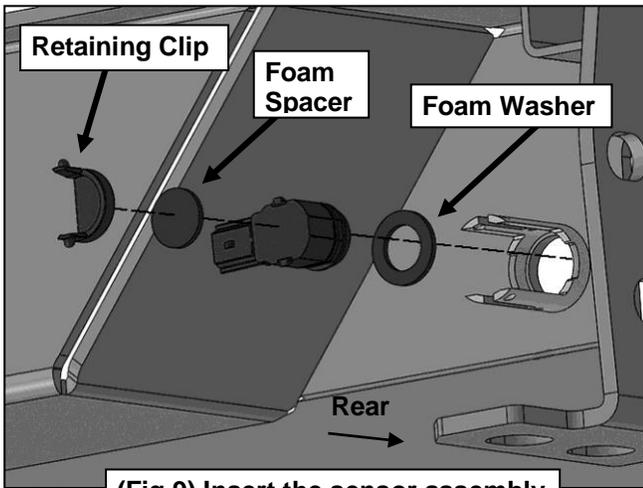


(Fig 7) Insert the Rubber Sensor Plug into the mounting sleeve

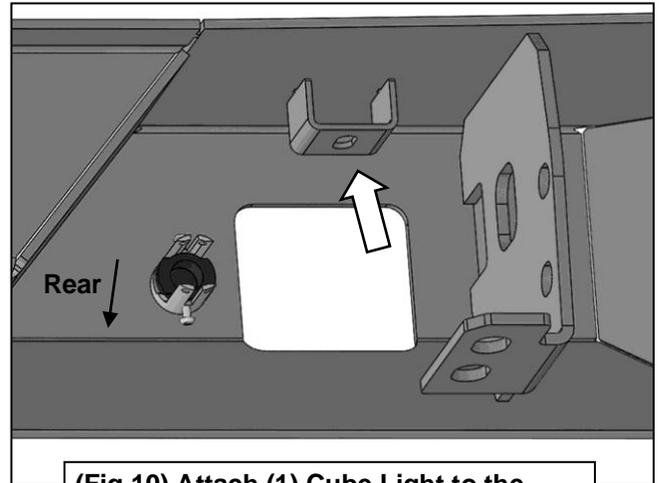


(Fig 8) Remove factory seal and push Flat Sealing Washer onto end of sensor

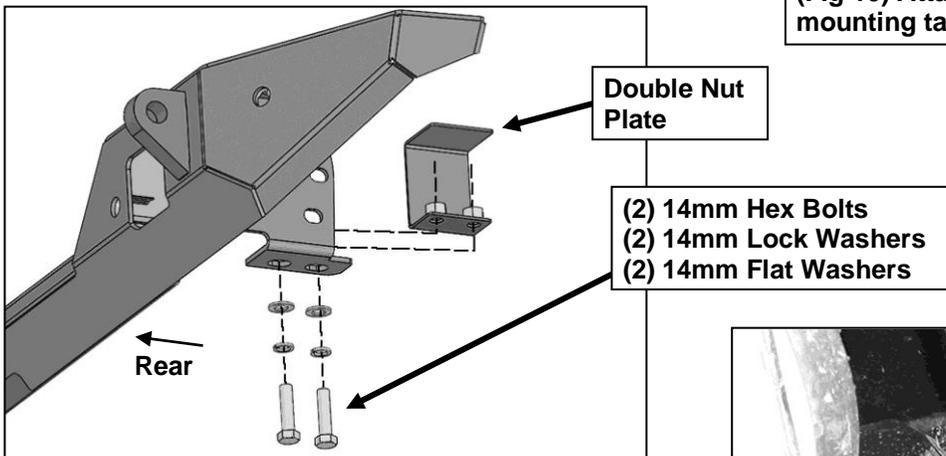
Driver/Left Side Installation Pictured



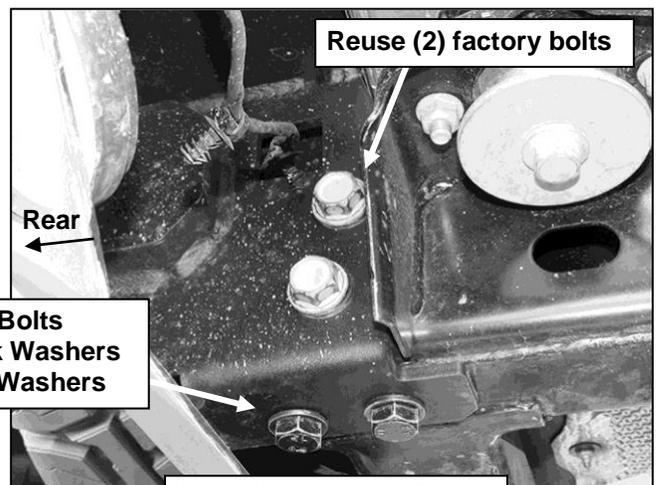
(Fig 9) Insert the sensor assembly into the mounting sleeve



(Fig 10) Attach (1) Cube Light to the mounting tab on the back of the bumper



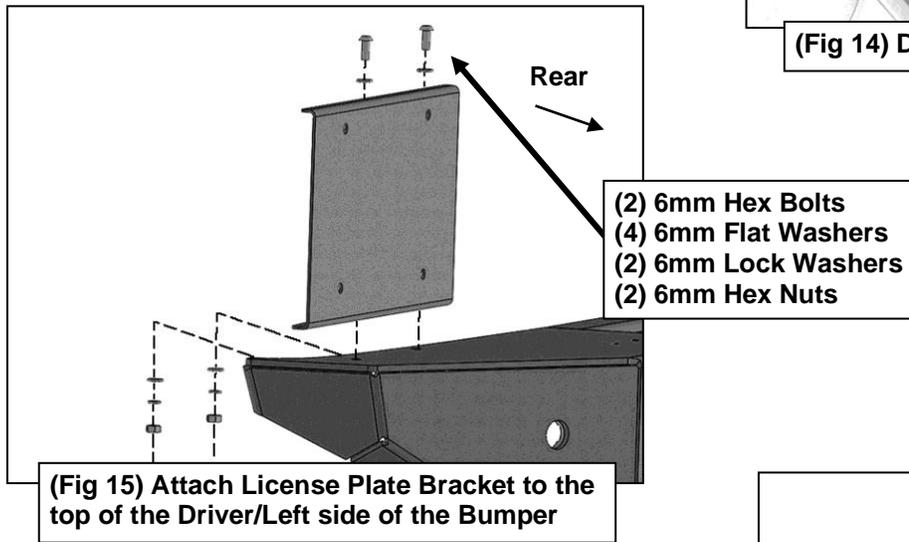
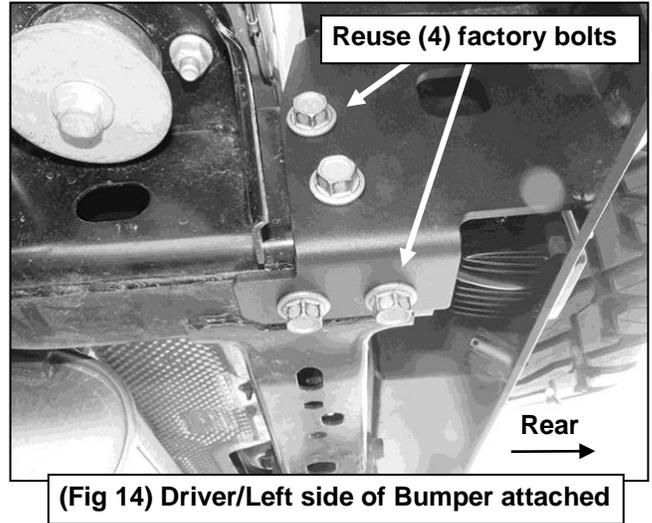
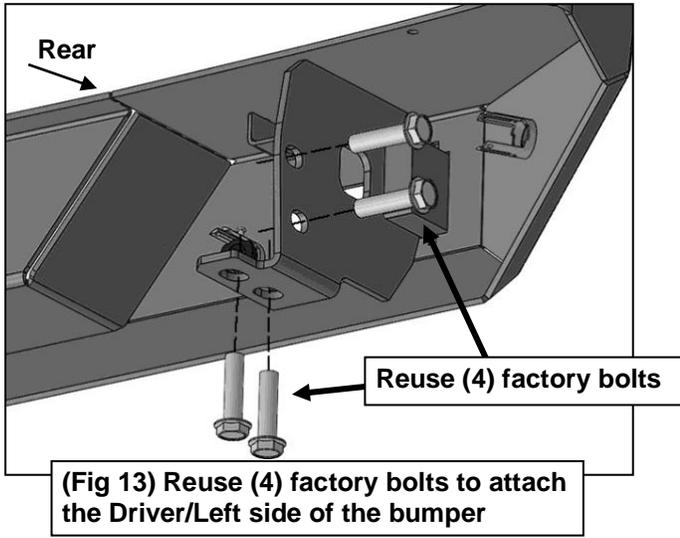
(Fig 11) Attach Passenger/Right side of Bumper to Double Nut Plate. Reuse (2) factory hex bolts to attach Bumper to side of frame (see Fig 11)



(2) 14mm Hex Bolts
(2) 14mm Lock Washers
(2) 14mm Flat Washers

(Fig 12) Passenger/Right side of Bumper attached

Driver/Left Side Installation Pictured



- (2) 6mm Hex Bolts
- (4) 6mm Flat Washers
- (2) 6mm Lock Washers
- (2) 6mm Hex Nuts

