



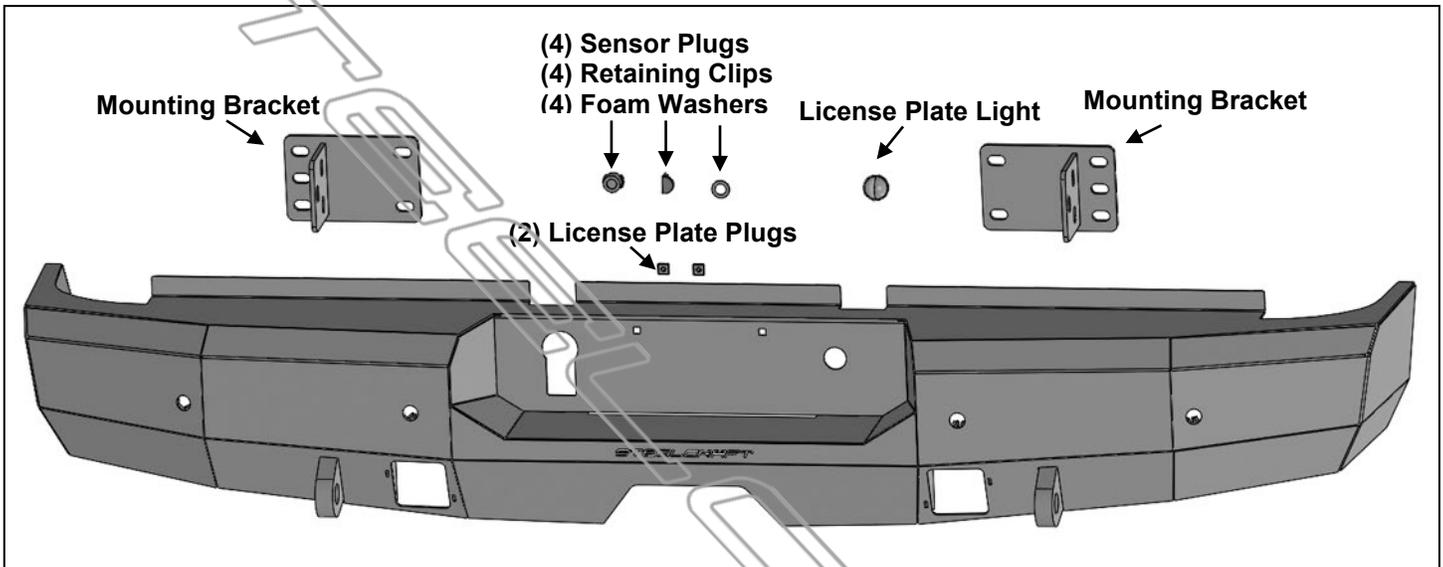
# INSTALLATION INSTRUCTIONS

**FORTIS REAR BUMPER**  
**2010-2018 RAM 25/3500, 2009-2018 RAM 1500**

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**PARTS LIST:**

1	Fortis Rear Bumper	8	12-1.75mm x 50mm Hex Bolts
2	Mounting Brackets	16	12mm x 37mm x 3mm Flat Washers
1	License Plate Light	8	12mm Nylon Lock Nuts
2	License Plate Plugs	6	10mm x 40mm Hex Bolts
4	Sensor Rubber Plugs	12	10mm x 30mm x 2.5mm Flat Washers
4	Sensor Retaining Clips	6	10mm Nylon Lock Nuts
4	Sensor Foam Washers	4	8mm x 40mm Hex Bolts
1	Sensor Cover Kit	4	8mm Lock Washers
8	4mm x 10mm Button Head Bolts	4	8mm x 28mm x 3mm Flat Washers
1	Allen Wrench (use for 4mm hardware)		



**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. ON MODELS WITH DUAL EXHAUST, ALLOW EXHAUST TO COMPLETELY COOL BEFORE STARTING INSTALLATION.**

1. Start installation at the rear, remove the license plate and bracket, (Figure 1). Unplug the license plate lights, towing harness plug and main wire harness (Figures 2 & 3).
2. Place blocks or jack stands under the bumper to support it during bumper bolt removal. Once the bumper has been safely supported, remove the (2) hex bolts behind the license plate, (Figure 4).
3. Next, remove the factory bumper bolts and slide the rear bumper off of the end of the frame, (Figures 5—8). **WARNING!** Assistance is required to hold the bumper in place during hardware removal and to prevent the bumper from falling. Move the bumper to a clean stable work surface.
4. On some models/years, the frame bracket may only be equipped with outer mounting holes. Adjust installation accordingly, (Figures 7 & 8).

**Models without 8mm welded hex nuts (open holes):**

- a. Use (2) 12mm Hex Bolts, (4) 12mm Flat Washers and (2) 12mm Nylon Lock Nuts to attach the Bracket to the bumper bracket, (Figures 9 & 10). Repeat this Step to attach Bracket on the other side. Leave hardware loose.

**Models with 8mm hex nuts welded onto the back of the frame bracket:**

- a. Use (2) 8mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers to attach the Bracket to the inside of the bumper bracket. Use (2) 12mm Hex Bolts, (4) 12mm Flat Washers and (2) 12mm Nylon Lock Nuts to attach the Bracket to the outside of the bumper bracket, (Figures 11 & 12). Repeat this Step to attach Bracket to the other side. Do not fully tighten hardware at this time.

5. Sensors must be installed in Bumper, (if equipped), before installing Bumper Assembly.

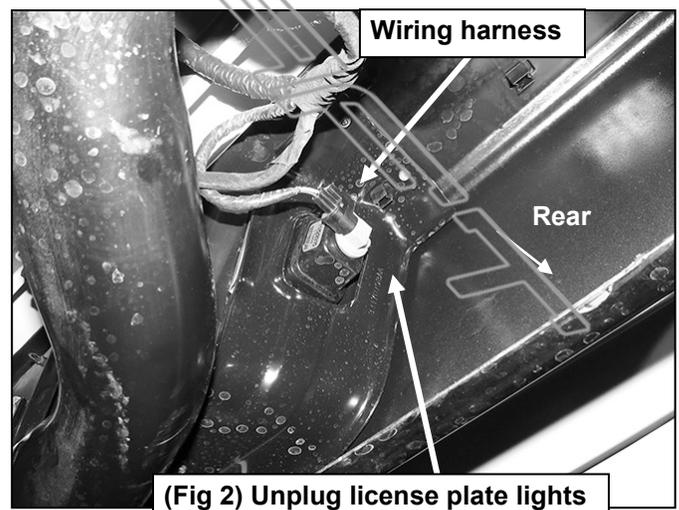
**Models without bumper sensors:**

- a. Select the included (4) Rubber Plugs.
- b. From behind bumper, push plugs into sensor mounting holes.

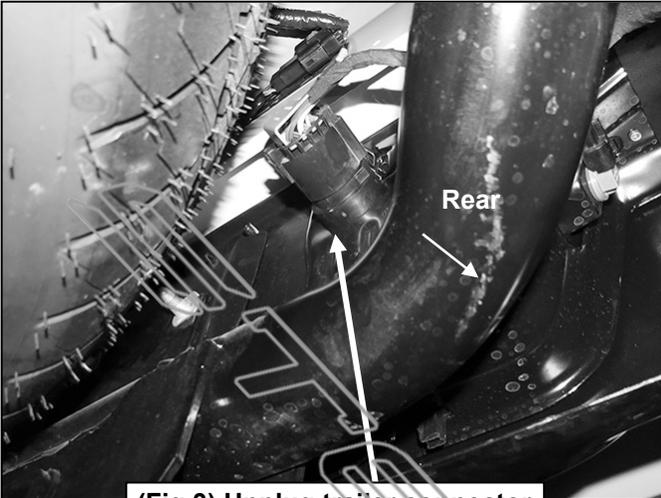
**Models with bumper mounted sensors:**

- a. Unplug and remove sensors and wiring harness from factory bumper, **(Figure 13)**.
  - b. Remove factory sealing washer from sensor. Attach Foam Washer onto the front of the sensor.
  - c. Slide the sensor tabs through the sensor sleeve openings, **(Figure 14)**.
  - d. Push the Retaining Clip into the sensor sleeve and lock into mounting holes, **(Figure 14)**.
  - e. Repeat previous Steps to install remaining sensors.
  - f. Install wiring harness for sensors. **NOTE:** Run wire harness through square opening in Bumper.
6. With assistance, position the Bumper up to the insides of the Mounting Brackets, **(Figure 15)**. Temporarily support the weight of the Bumper Assembly. **WARNING:** To avoid possible injury or damage to the vehicle, do not proceed until the Bumper is fully and safely supported.
  7. Attach the Bumper to the Mounting Brackets with (6) 10mm Hex Bolts, (12) 10mm Flat Washers and (6) 10mm Nylon Lock Nuts, **(Figure 15)**. Leave hardware loose at this time.
  8. **LED light installation at ends of bumper** (sold separately).
    - a. Insert the light into the opening and up to the mounting slots. Check for clearance between front and back of light.
  9. Remove the outer towing harness plug from the bumper. Snap the plug into the opening in the Bumper. If necessary, use a flat blade screwdriver to carefully pry the lock tab on the clip out to help lock plug in place.
  10. Insert the included (2) push-in plugs to attach the license plate to the Bumper, **(Figure 16)**. Insert the included License Plate Light into the mounting hole in the bumper, **(Figure 16)**.
  11. Slowly open the tail gate and check for clearance. Level and adjust Bumper and tighten all hardware.
  12. Connect the license plate light harness to the License Plate Light. Reattach the wiring harness to the back of the trailer plug.
  13. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

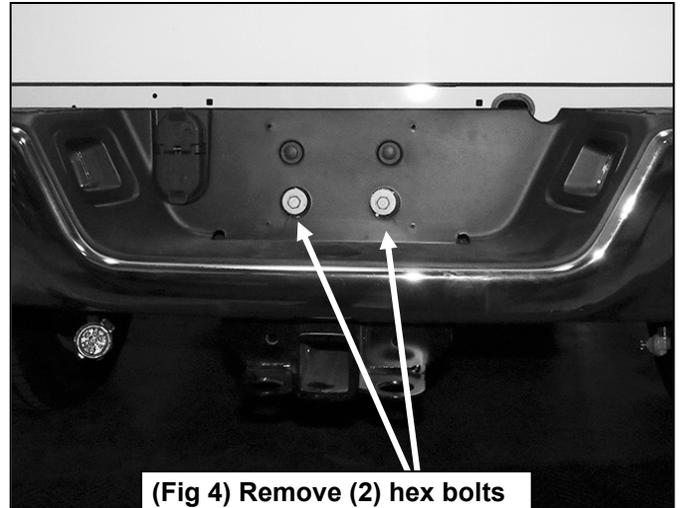
**To protect your investment** Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Bumper assembly.



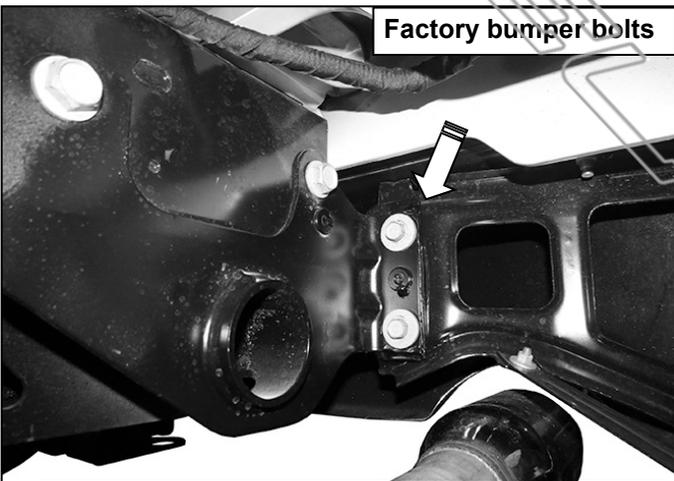
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**(Fig 3) Unplug trailer connector**



**(Fig 4) Remove (2) hex bolts from behind license plate**

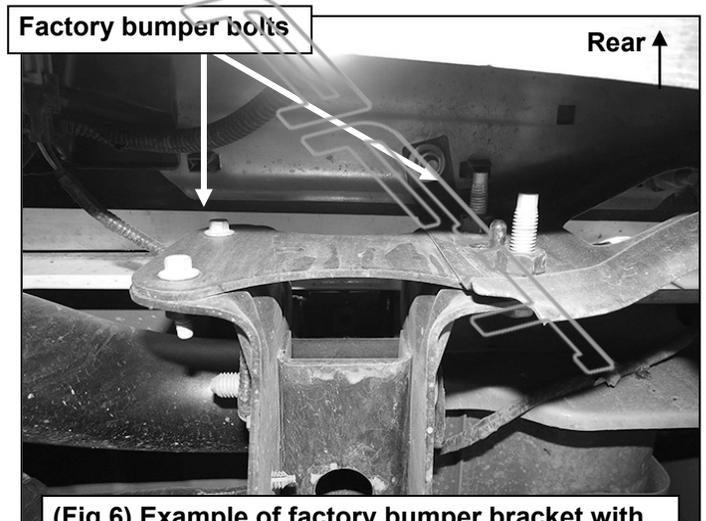


**(Fig 5) Example of factory bumper bracket with (2) hex bolts pictured from behind bumper**

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

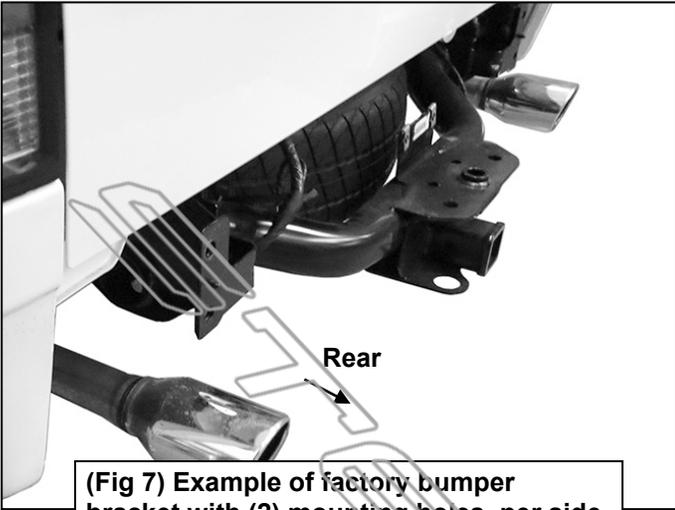
**WARNING!** Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or the bumper may fall.

Models with dual exhaust, allow exhaust to completely cool before starting installation



**(Fig 6) Example of factory bumper bracket with 8mm hex nuts (left) welded onto back of bracket**

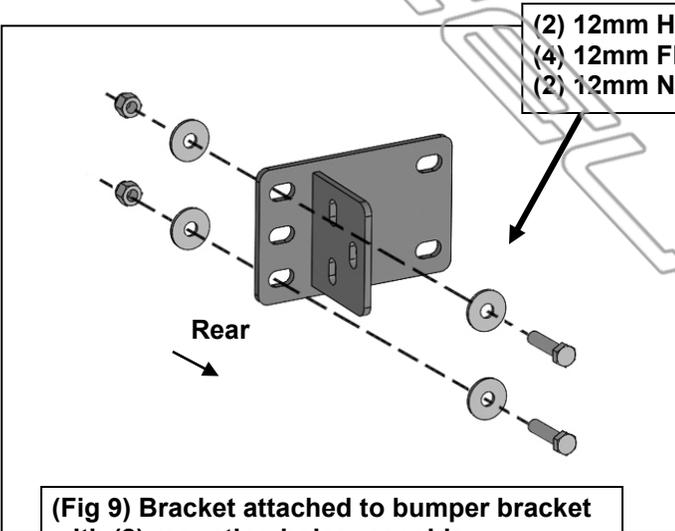
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**(Fig 7) Example of factory bumper bracket with (2) mounting holes, per side**

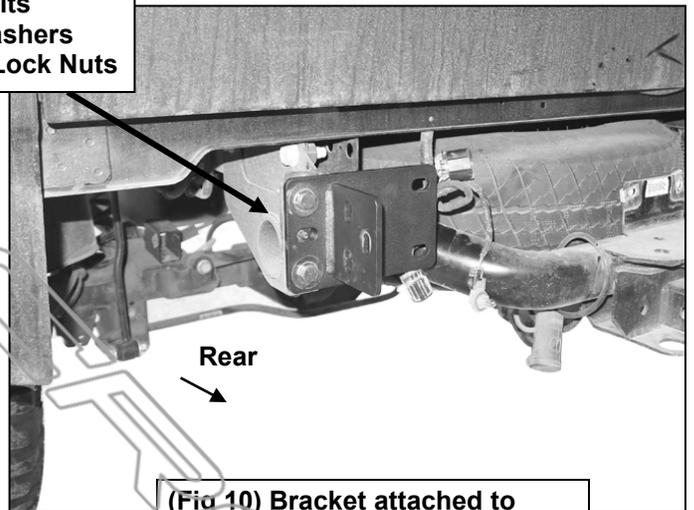


**(Fig 8) Example of factory bumper bracket with 8mm hex nuts (inner) welded onto back of bumper bracket**

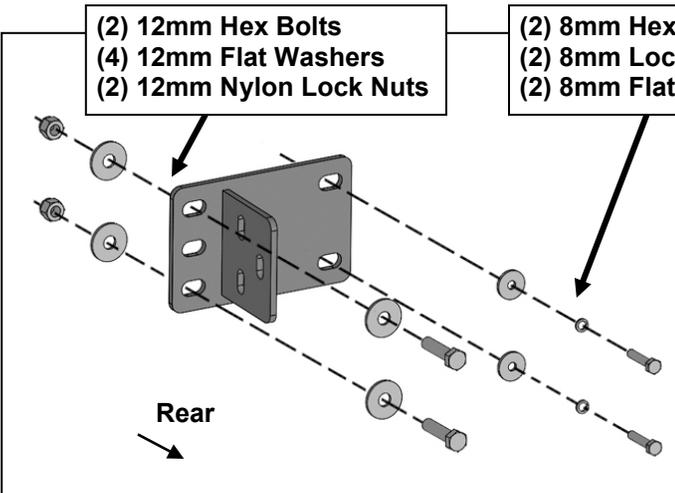


- (2) 12mm Hex Bolts
- (4) 12mm Flat Washers
- (2) 12mm Nylon Lock Nuts

**(Fig 9) Bracket attached to bumper bracket with (2) mounting holes, per side**



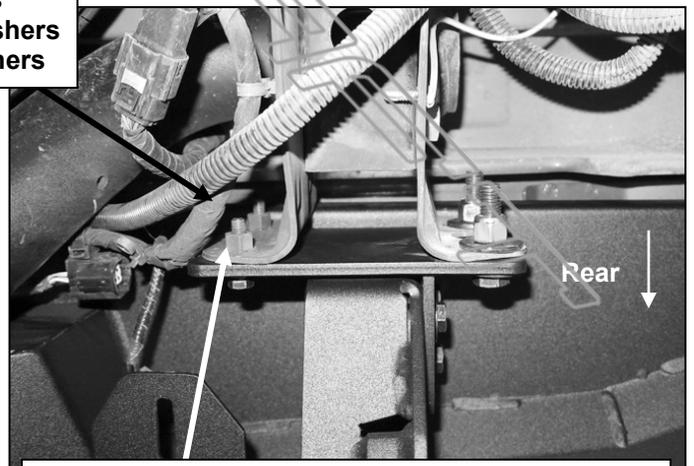
**(Fig 10) Bracket attached to bumper bracket on driver side**



- (2) 12mm Hex Bolts
- (4) 12mm Flat Washers
- (2) 12mm Nylon Lock Nuts

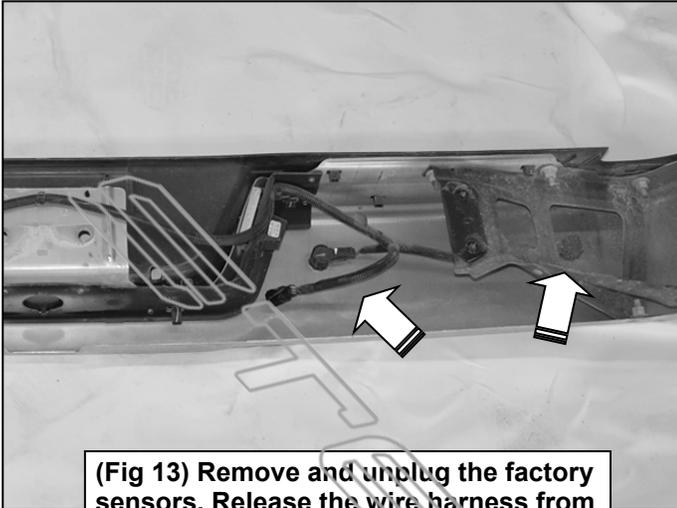
- (2) 8mm Hex Bolts
- (2) 8mm Lock Washers
- (2) 8mm Flat Washers

**(Fig 11) Bracket attached to bumper bracket with (2) welded 8mm hex nuts**

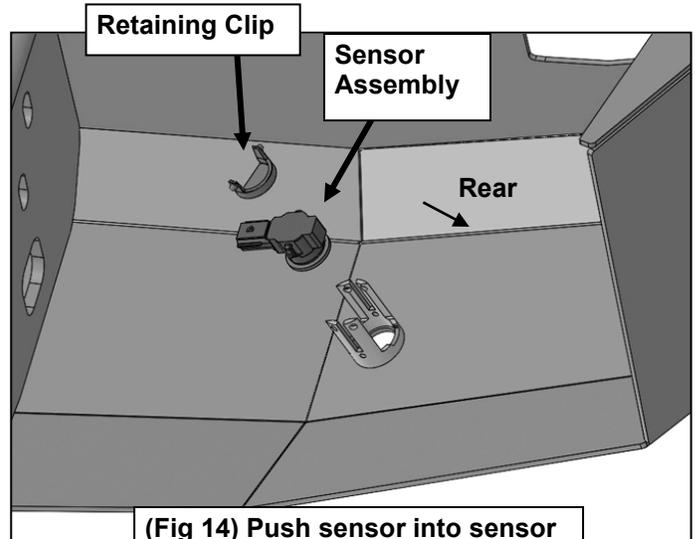


**(Fig 12) Bracket attached to bumper bracket with (2) welded 8mm hex nuts (driver/left side pictured with Bumper on for instruction purposes)**

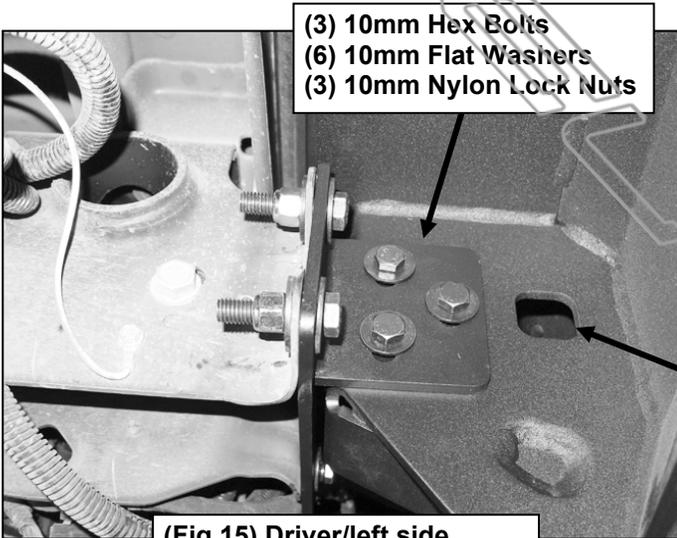
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**(Fig 13) Remove and unplug the factory sensors. Release the wire harness from the clips behind the bumper.**



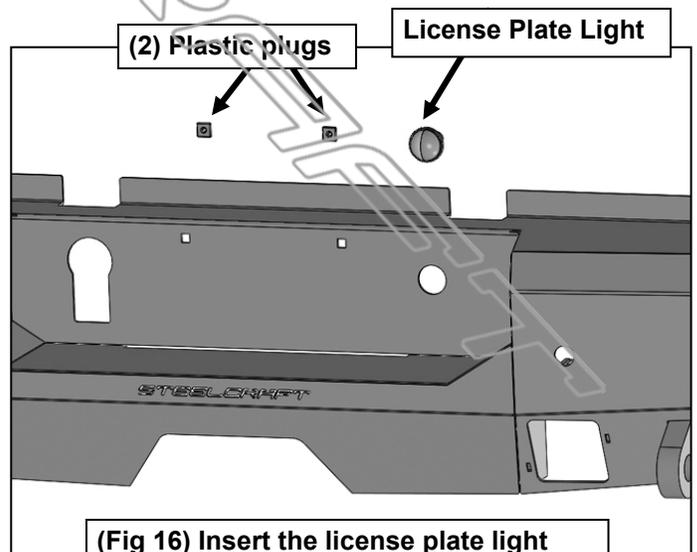
**(Fig 14) Push sensor into sensor sleeve on the back of the Bumper**



**(Fig 15) Driver/left side Bumper attached to Bracket**

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

**NOTE:** Run wire harness through opening.



**(Fig 16) Insert the license plate light into the mounting holes in the bumper**



**Complete Installation**