



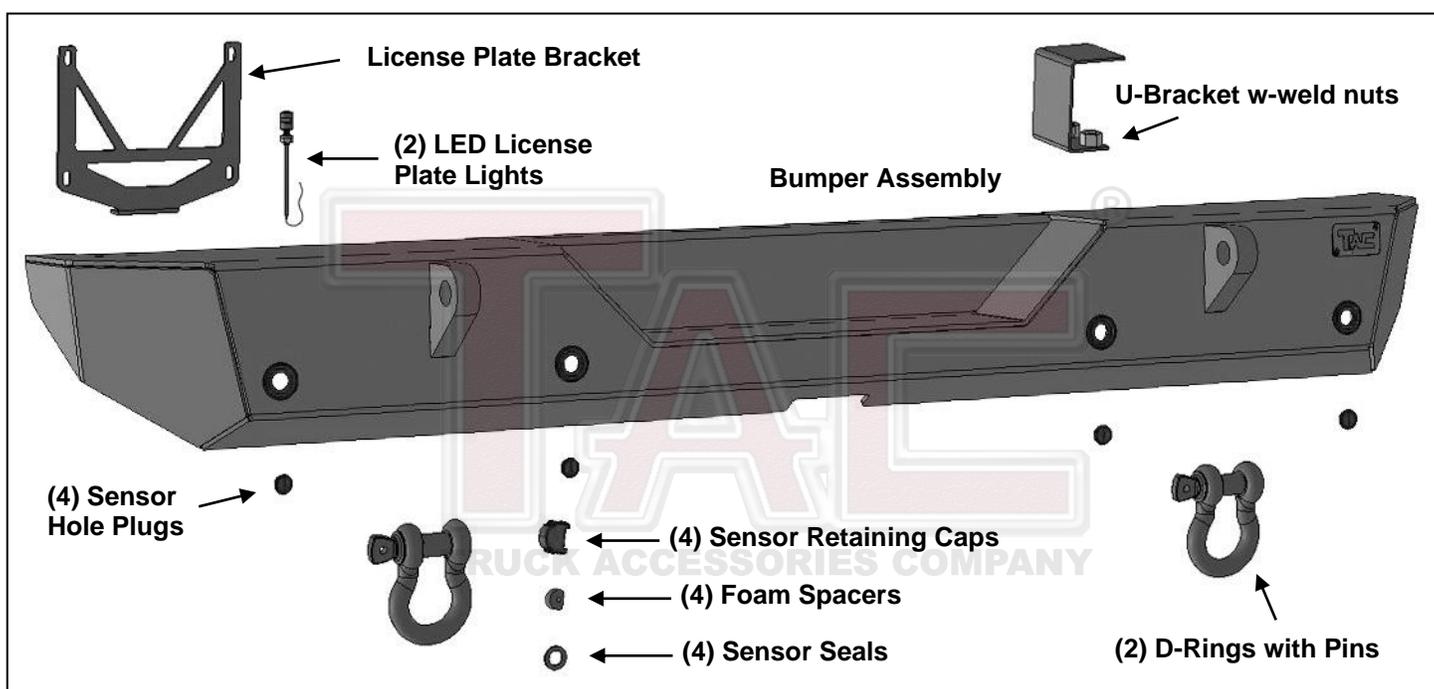
INSTALLATION INSTRUCTIONS

**TSS REAR BUMPER
2018-2023 JEEP WRANGLER JL
PART# 92470**

TRUCK ACCESSORIES COMPANY

PARTS LIST:

| | | | |
|---|--|----|-----------------------------------|
| 1 | Rear Bumper | 2 | 14mm x 28mm x 2.5mm Flat Washers |
| 2 | License Plate Light | 2 | 14mm Lock Washers |
| 1 | License Plate Bracket | 2 | 8-1.25mm x 25mm Button Head Bolts |
| 1 | U-Bracket w-(2) 14mm welded hex nuts | 2 | 8mm x 16mm x 1.6mm Flat Washers |
| 2 | D-Rings | 2 | 8mm Lock Washers |
| 2 | D-Ring Bolts | 2 | 8mm Hex Flange Nuts |
| 4 | Sensor Retaining Caps | 2 | 5mm x 16mm Hex Bolts |
| 4 | 20mm x 10mm Foam Spacers | 4 | 5mm x 15mm x 1.2mm Flat Washers |
| 4 | 15.5mm x 25mm x 2mm Sensor Seals | 2 | 5mm Nylon Lock Nuts |
| 4 | Plastic Sensor Hole Plugs | 8 | 4mm x 15mm Self Tapping Screws |
| 1 | Sensor Cover Kit (6 pics) | 1 | 5mm Wrench |
| 2 | 14-1.50mm x 55mm Fine Thread Hex Bolts | 10 | Plastic Wire Ties |



PROCEDURE:

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

5). NOTE: Tow hook cannot be reinstalled. Repeat this Step to remove the Passenger/right side bumper brackets.

- 7.** Determine if the vehicle is equipped with bumper mounted parking sensors. **NOTE:** Depending on tow package, it may be necessary or easier to install sensors and harness before installing the Bumper.

Models without rear sensors:

- a.** Insert Sensor Plugs into sleeves in Bumper, **(Figure 6)**.

Models with bumper mounted parking sensors:

- a.** Disassemble the factory bumper to remove the wiring harness and sensors, **(Figure 7)**. Label sensors with location for proper reinstallation.
- b.** Select (1) outer sensor. Remove the seal from the end of the sensor, **(Figure 8)**. Slide the included flat Foam Sensor Seal over front of the sensor, **(Figure 9)**.
- c.** Insert the sensor with Seal into sensor mount, **(Figure 9)**.
- d.** Place Foam Spacer over end of the sensor. Push Sensor Retaining Cap onto sensor mount and lock into mounting holes, **(Figure 9)**.
- e.** Repeat previous Steps to install remaining sensors.
- f.** Install factory wiring harness for sensors and plug harness into sensors.
- 8.** Next, select the U-Bracket. Insert the Bracket into the passenger/right frame end, **(Figure 10)**. Line up the welded nuts with the factory holes in the bottom of the frame.
- 9.** With assistance, position the driver/left side of the Bumper up to the outside of the frame. Reuse the (4) factory bumper bracket bolts to attach the Bumper to the outside and bottom of the frame, **(Figures 11 & 12)**. **NOTE:** On the bottom of the passenger/right side of the frame, use the included (2) 14-1.50mm x 55mm Fine Thread Hex Bolts, (2) 14mm Lock Washers and (2) 14mm Flat Washers to attach the Bumper to the bottom of the frame and U-Bracket, **(Figures 13—15)**.
- 10.** Level and adjust the Rear Bumper and tighten all hardware at this time. **NOTE:** Tighten hardware on bottom of frame first then tighten hardware on the side of the brackets.
- 11.** Attach the included License Plate Relocation Bracket to the top of the driver/left side of the Bumper with (2) 8mm Button Head Bolts, (2) 8mm Lock Washers, (2) 8mm Flat Washers and (2) 8mm Flange Nuts, **(Figure 16)**.
- 12.** Select the (2) LED License Plate Lights. Remove the hex nuts and washers. Hold the license plate up to the Bracket. Use the (2) Lights to attach the top of the license plate to the License Plate Bracket, **(Figure 17)**. Attach the bottom of the license plate to the Bracket with the included (2) 5mm Hex Bolts, (4) 5mm Flat Washers and (2) 5mm Nylon Lock Nuts.
- 13.** Attach the wires on the License Plate Lights to the factory wiring harness.
- 14.** Attach the included D-Rings to the mounts on the Bumper, **(Figure 18-optional)**.
- 15.** 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



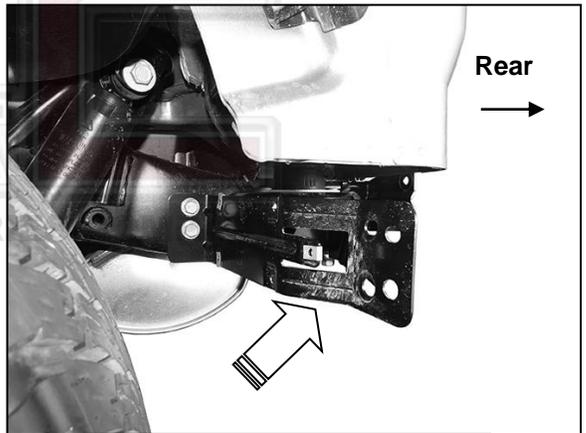
(Fig 1) Remove (2) hex bolts (if equipped) attaching bottom of bumper to cross member



(Fig 2) Remove plastic cover from back of bumper (arrow-driver/left side pictured)



(Fig 2) Remove (3) outer bumper bracket bolts



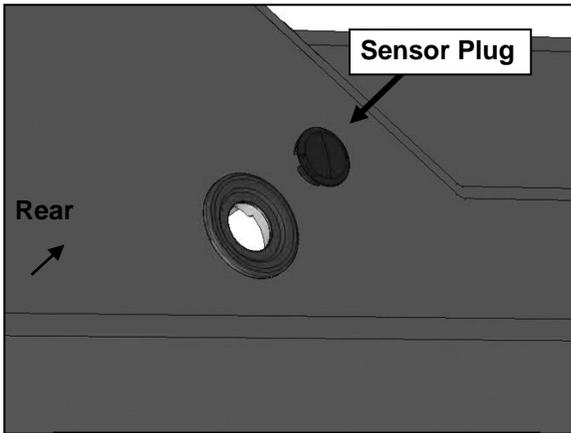
(Fig 4) Remove outer bumper bracket from side of frame



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

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

Driver/left Side Installation Pictured



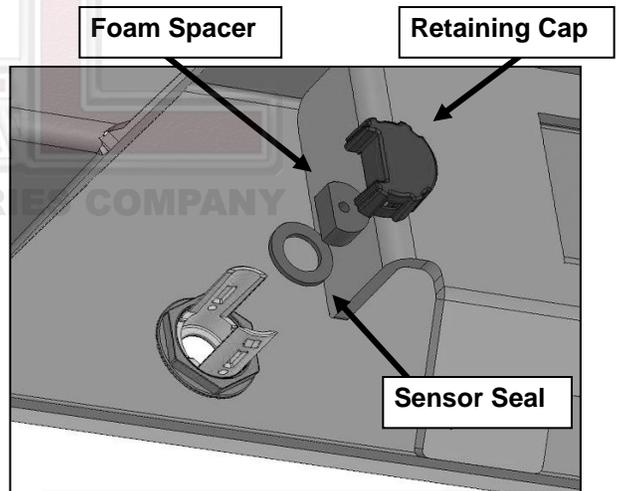
(Fig 6) Push Plug into sensor mount



(Fig 7) Disassemble bumper, if necessary, to remove sensors and wiring harness



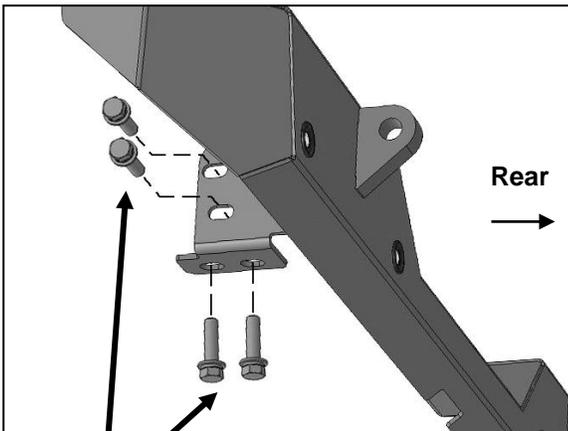
(Fig 8) Remove the seal from the end of the sensor. Install larger Foam Washer (Fig 9)



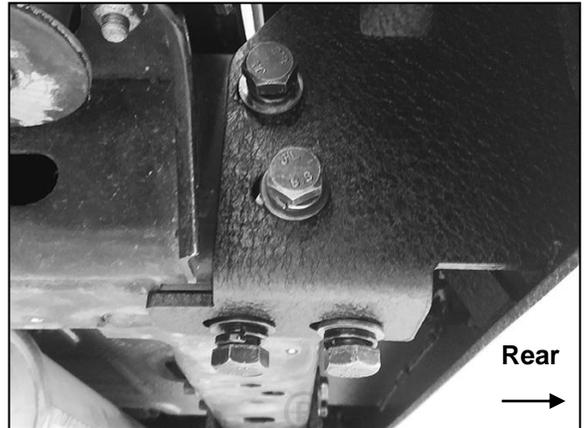
(Fig 9) Push sensor with Foam Seal into mount on the back of the Bumper



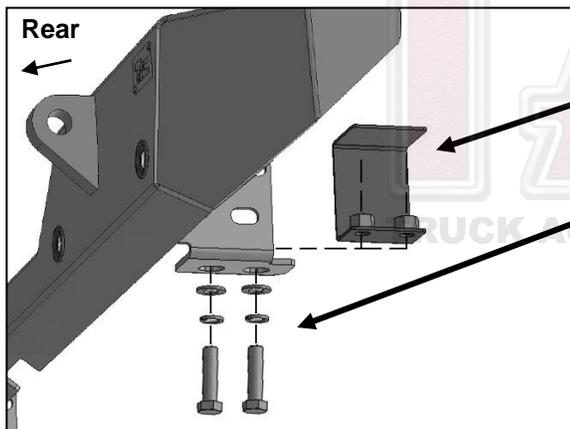
(Fig 10) Insert U-Bracket into end of passenger side frame. Line up weld nuts with holes



(Fig 11) Reuse factory hex bolts to attach Bumper to driver/left side of frame



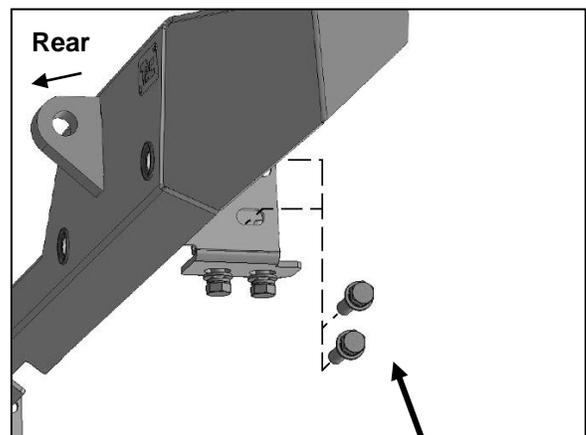
(Fig 12) Driver/left side of Bumper installed



(Fig 13) Attach passenger/right side of Bumper to bottom of frame and U-Bracket

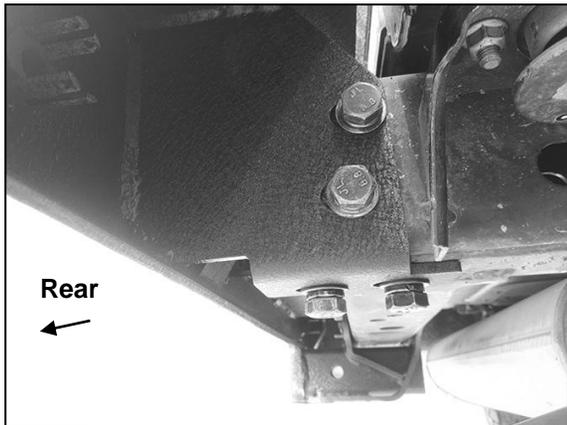
U-Bracket w-welded hex nuts

- (2) 14mm x 55mm Hex Bolts
- (2) 14mm Lock Washers
- (2) 14mm Flat Washers



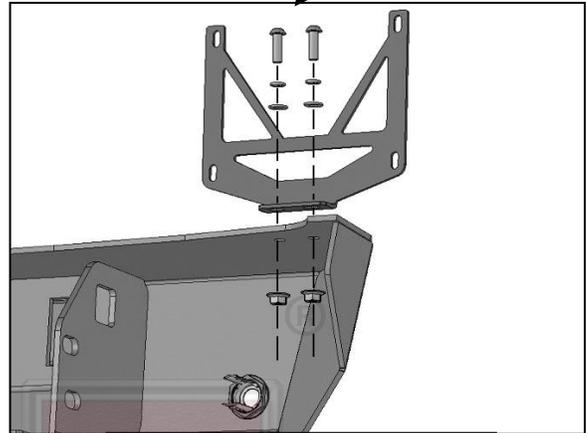
(Fig 14) Reuse factory hex bolts to attach Bumper to side of frame

Driver/left Side Installation Pictured



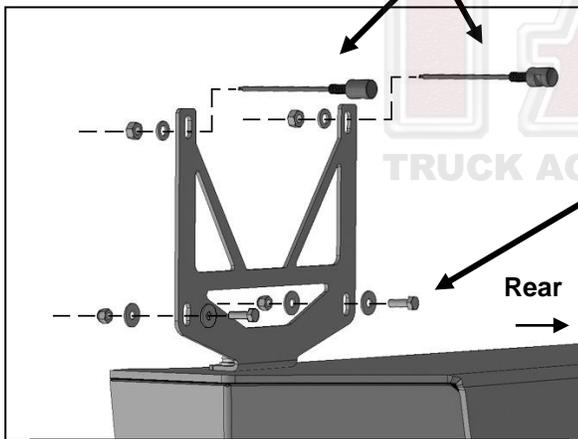
(Fig 15) Bumper attached to passenger/right side of frame

- (2) 8mm x 25mm Button Head Bolts
- (2) 8mm Lock Washers
- (2) 8mm Flat Washers
- (2) 8mm Flange Nuts



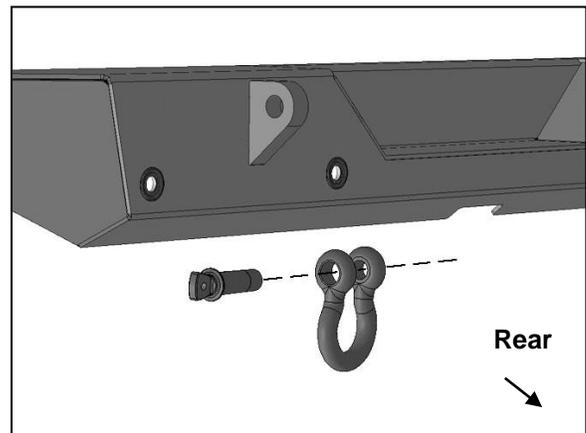
(Fig 16) Attach License Plate Bracket to top of Bumper.

- (2) LED License Plate Lights



(Fig 17) Use the License Plate Lights to attach top of license plate to Bracket

- (2) 5mm x 16mm Hex Bolts
- (4) 5mm Flat Washers
- (2) 5mm Nylon Lock Nuts



(Fig 18) Attach D-Rings to mounts on Bumper (optional)