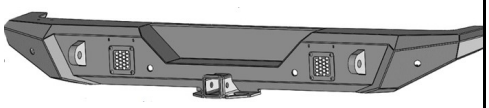
REAR BUMPER

Part No. JL06T



Fits: 2018 + JEEP Wrangler JL / JLU

60-180 min

Cutting Not Required

Drilling Not Required

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT.

READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.

DO NOT OVER TORQUE. STANDARD OPERATING LOAD FOR TIGHTEN BODY MOUNT NUTS & BOLTS VARIES FROM **45** TO **65** FOOT POUND.

support@trailfx.com

1 866 638 4870

LIMITED 3-YEAR WARRANTY

PARTS LIST:

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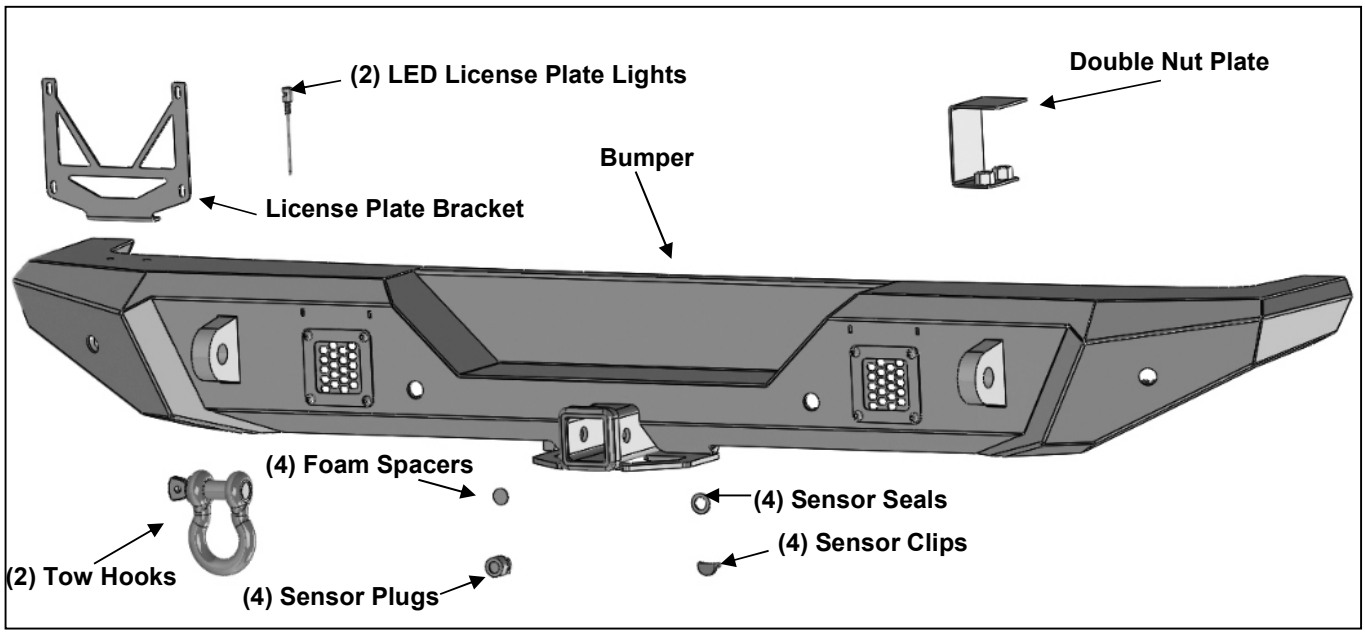
Qty	**Part Description**	**Qty**	**Part Description**
1	TFX Rear Bumper	2	14mm Lock Washers
1	License Plate Bracket	2	14mm x 28mm x 2.5mm Flat Washers
2	LED License Plate Lights	4	12-1.75mm x 110mm Hex Bolts
4	Sensor Sealing Washers	8	12mm x 37mm x 3mm Flat Washers
4	Sensor Retaining Clips	4	12mm Nylon Lock Nuts
4	Sensor Foam Spacer	8	8-1.25mm x 20mm Button Head Bolts
4	Sensor Hole Plugs	4	8mm x 16mm x 1.6mm Flat Washers
1	Sensor Cover Kit	2	8mm Nylon Lock Nuts
1	4-Pin Trailer Harness Bracket	8	4mm x 10mm Button Head Bolts
2	Tow Hooks	1	2.5mm Hex Wrench
1	14-1.50mm Double Nut Plate	1	4mm Hex Wrench
2	14-1.50mm x 55mm Hex Bolts	1	8mm 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.

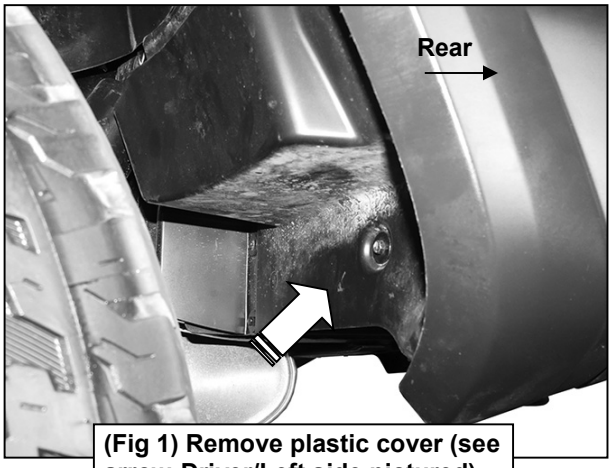
1. Start installation from under the Driver/Left side of the rear bumper. Remove the plastic cover from the back of the rear wheel opening, **(Figure 1)**. Locate and remove the (2) hex bolts attaching the outer bracket running from the side of the frame to the outer end of the bumper, **(Figure 2)**. 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, **(Figure 4)**. 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.
6. Insert the Double Nut Plate into the open end of the passenger/right 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 bumper mounted sensors. **NOTE**: Depending on tow package, it may be necessary or easier to install sensors, (if equipped), and harness before installing the Bumper.

   Models without bumper sensors:
   - **a.** Select the included (4) Rubber Plugs, **(Figure 7)**.
   - **b.** From behind bumper, push plugs into sensor mounting sleeves, **(Figure 7)**. Screws have been provided to lock the plugs into the sleeves. Use is optional.

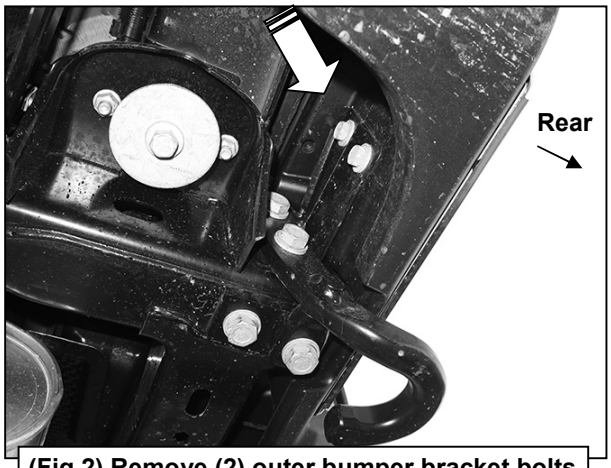
   Models with bumper mounted sensors:
   - **a.** Disassemble the factory bumper to remove the wiring harness and sensors.
   - **b.** Select (1) sensor. Remove the seal from the end of the sensor. Slide the included flat Sensor Seal Washer over front of the sensor, **(Figure 8)**.
   - **c.** Insert the sensor with Seal into sensor mount, **(Figure 9)**.
   - **d.** Place Foam Spacer over end of the sensor. Push Sensor Retaining Clip into sensor mount and lock into mounting holes, **(Figure 9)**.
   - **e.** Repeat previous Steps to install remaining sensors.
   - **f.** Install wiring harness for sensors and plug harness into sensors.
   - **g.** **Optional**: Secure each sensor to the socket 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. With assistance, carefully position the Rear Bumper up to the outside of the frame. Attach the Bumper to the Nut Plate in the Passenger/Right frame end with the included (2) 14mm Fine Thread Hex Bolts, (2) 14mm Lock Washers and (2) 14mm Flat Washers, **(Figure 10)**. 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 10—13)**.
9. Attach the receiver hitch to the frame with (4) 12mm x 110mm Hex Bolts, (4) 12mm Lock Washers, (8) 12mm Flat Washers, and (4) 12mm Nylon Lock Nuts, **(Figure 14)**. Do not tighten hardware at this time. Attach (1) 4-pin Wiring Harness Bracket to outer bolt, (Optional).
10. Level and adjust the Rear Bumper and tighten all hardware at this time.
11. Select (2) Tow Hooks. Attach to the rear of the bumper, **(Figure 15)**. (Optional)
12. Select the License Plate Bracket. Attach bracket to top of bumper with (2) 8mm Hex Bolts, (4) 8mm Flat Washers and (2) 8mm Nylon Lock Nuts, **(Figure 16)**. Select the (2) LED License Plate Lights. Attach the Lights to the bottom (2) holes in the license plate and Bracket, **(Figure 17)**. Attach the wiring on the License Plate Lights to the wire harness for the factory license plate light.
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

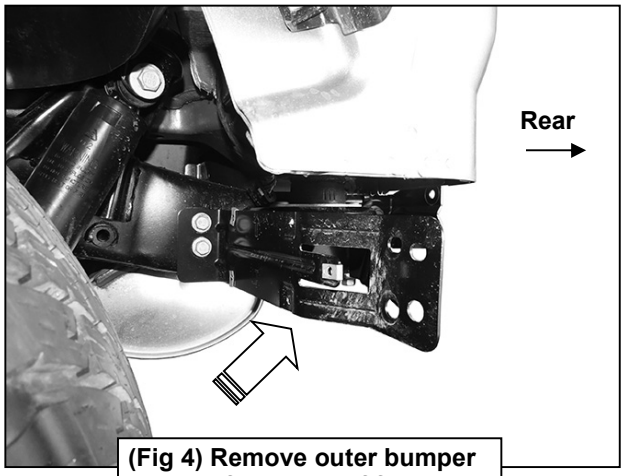


(Fig 1) Remove plastic cover (see arrow-Driver/Left side pictured)

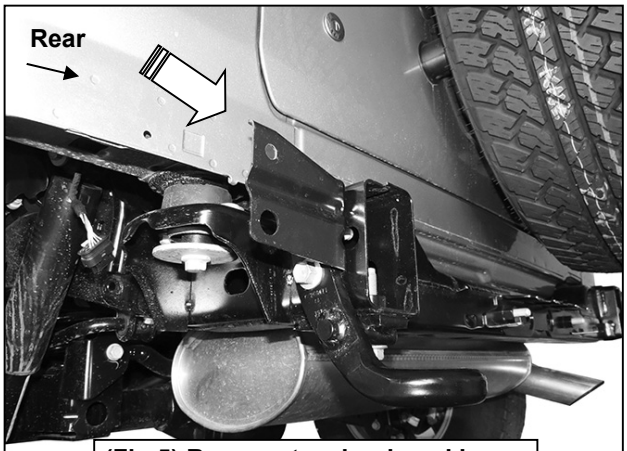


(Fig 2) Remove (2) outer bumper bracket bolts

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

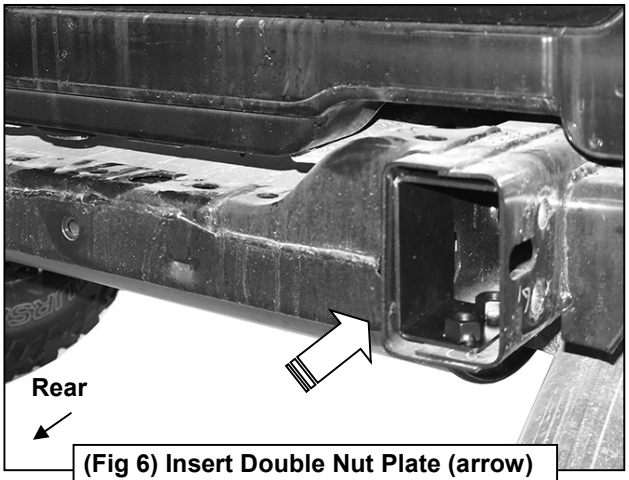


(Fig 4) Remove outer bumper bracket from side of frame



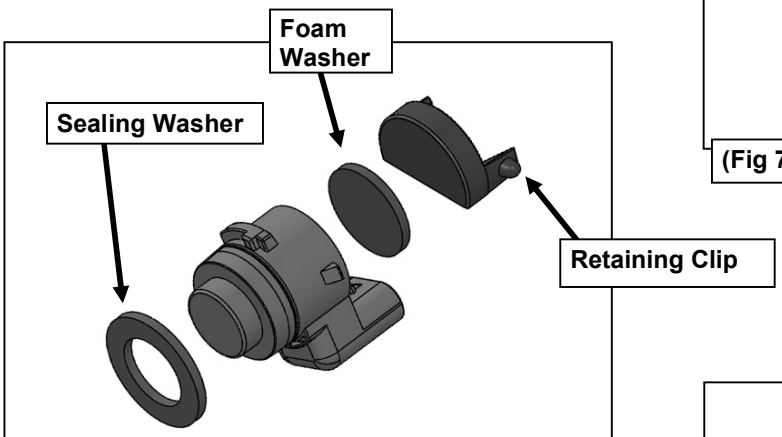
(Fig 5) Remove tow hook and inner bumper bracket from side of frame

Driver/Left Side Installation Pictured

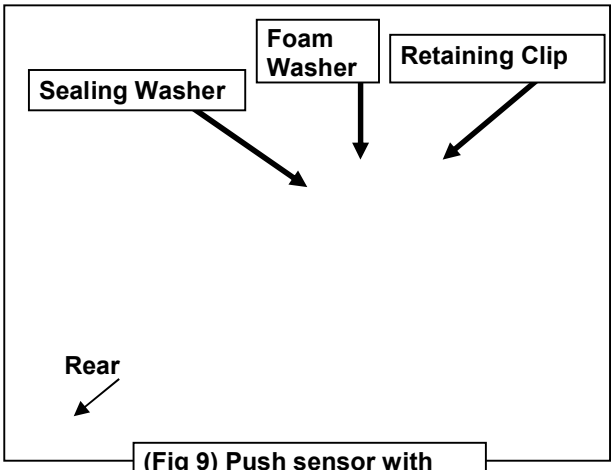


(Fig 6) Insert Double Nut Plate (arrow) into Passenger/Right end of frame

(Fig 7) Push Rubber Plug into mounting sleeve

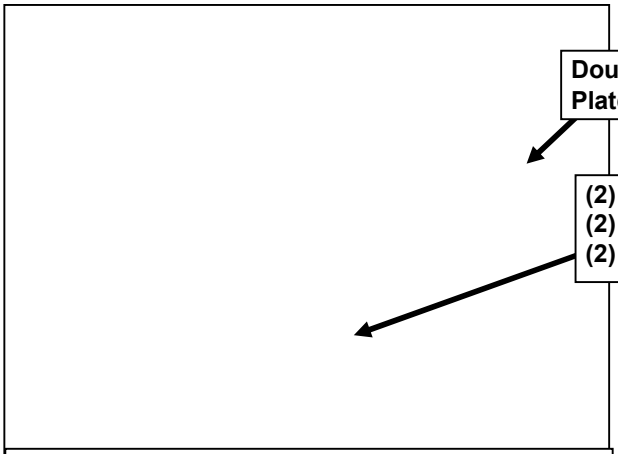


(Fig 8) Remove factory seal and push Flat Sealing Washer onto end of sensor

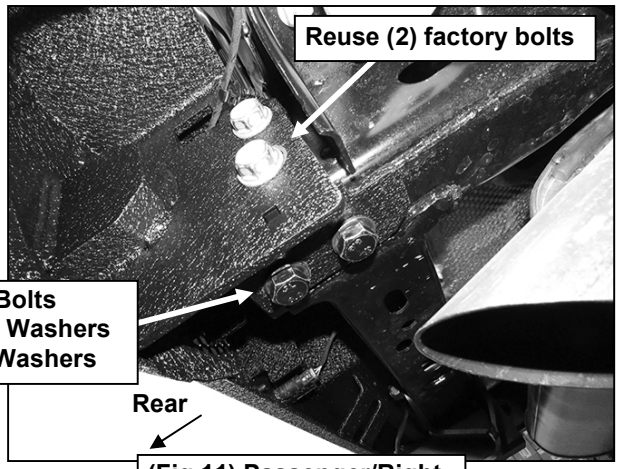


(Fig 9) Push sensor with Sealing Washer into sleeve

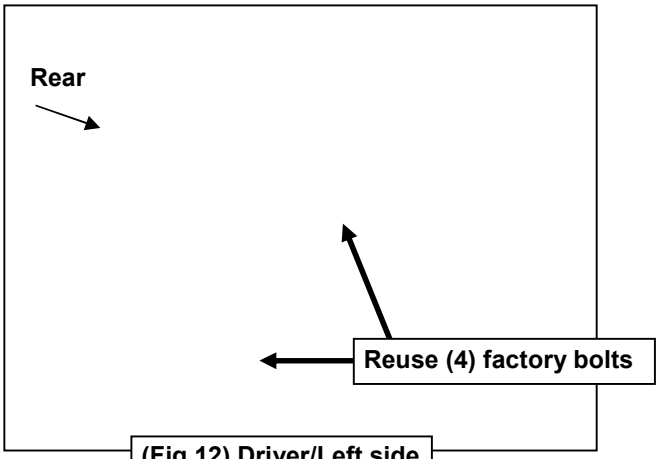
Driver Side Installation Pictured



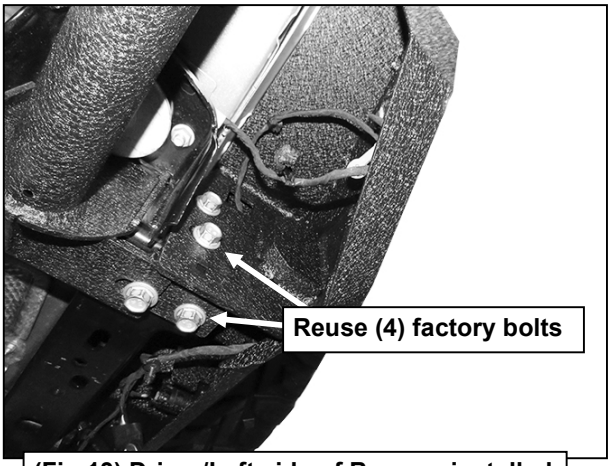
(Fig 10) Attach Passenger/Right side of Bumper to Double Nut Plate. Reuse (2) factory hex bolts to attach Bumper to side of frame (see Fig 11)



(Fig 11) Passenger/Right side of Bumper installed

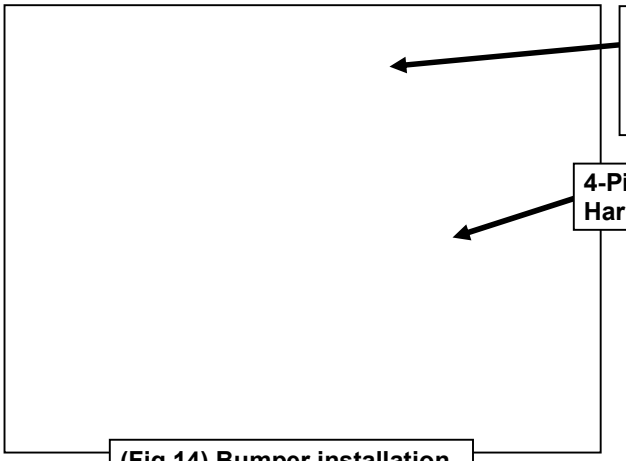


(Fig 12) Driver/Left side of Bumper installation

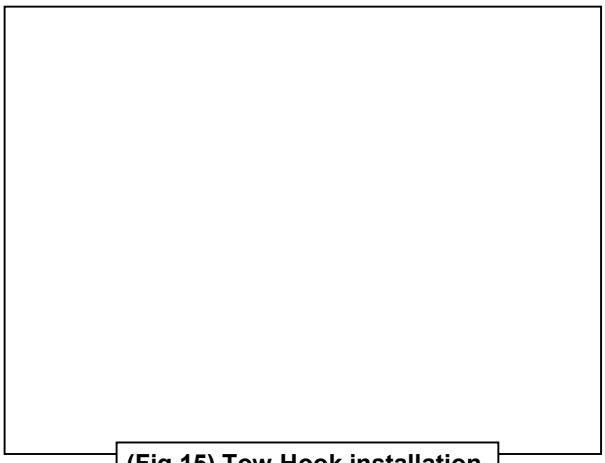


(Fig 13) Driver/Left side of Bumper installed

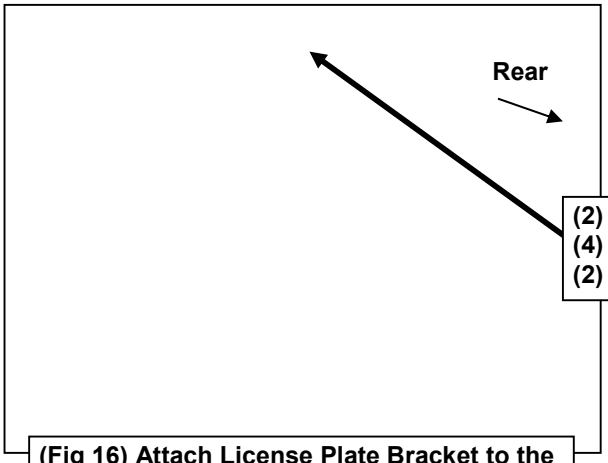
Driver Side Installation Pictured



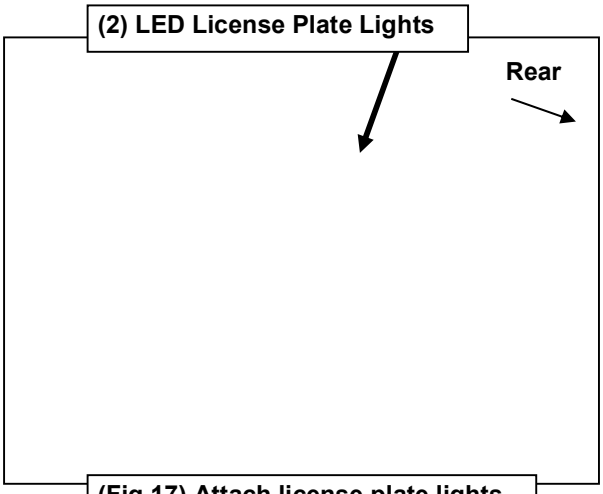
(Fig 14) Bumper installation



(Fig 15) Tow Hook installation



(Fig 16) Attach License Plate Bracket to the top of the Driver/Left side of the Bumper



(Fig 17) Attach license plate lights and license plate to Bracket

PRODUCT CARE

- Periodically check the product to ensure all fasteners are tight and components are intact.
- Regular waxing is recommended to protect the finish of the product.
- **Use ONLY Non-Abrasive automotive wax.** Use of any soap, polish or wax that contains an abrasive is detrimental and can scratch the finish leading to corrosion.
- Aluminum polish may be used to polish small scratches and scuffs for **Stainless Steel finish.**
- Mild soap may be used to clean the product for both **Stainless Steel and Black finish.**

FAQ's

1. **Hardware's are not of correct size.**
   In GMC / Chevrolet truck model 2006 & up, customer needs to reuse the factory body bolts to install the bracket. If your vehicle is not GMC / Chevrolet 2006 & up, ensure that holes are not partially covered with any plastic grommet or rust? If it is, remove the plastic grommet & rust from the thread holes & re-try the installation.
2. **Mounting Bracket are not getting Installed properly.**
   In some cases Illustration images shown in Installation manual may not be the exactly same as per actual vehicle images ,also if Driver / Passenger side mounting brackets are very identical in the design, suggest referring Parts Identification guide to avoid fitment issue.
3. **Products are thumping / rattling after installation.**
   Ensure that all required mounting brackets / hardware's are installed & tighten correctly. Suggest using white lithium / regular grease between the metal to metal contact surfaces.
4. **Side Bar is not aligning with vehicle / Step Pads are not aligning with vehicle doors.**
   Side bar may be interchanged or mounting brackets are not installed at the correct position in the vehicle. Refer Parts identification guide.
5. **Missing / Excess Hardware.**
   Recheck hardware count as per the part list.
6. **Product not installing properly.**
   Ensure make model year, cab length and bed size of your vehicle is listed in the application. All installation steps are followed correctly.

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