



**TEL: 1-866-XANATOS**

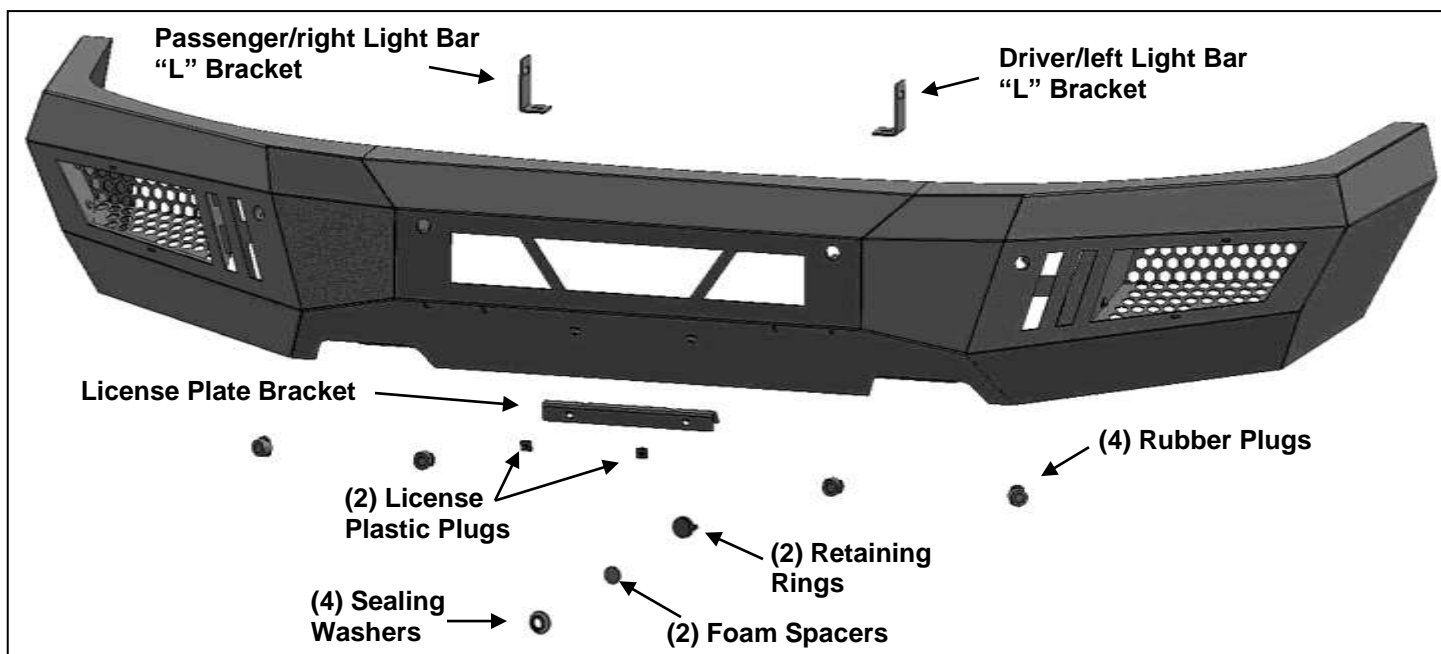
# **INSTALLATION INSTRUCTIONS**

**LD1 FRONT BUMPER FOR  
16-21 NISSAN TITAN XD  
PART#AFB-NITI**

**LD1 FRONT BUMPER  
16-21 NISSAN TITAN XD ONLY**

**PARTS LIST:**

1	LD1 Front Bumper Assembly	2	8mm Hex Nuts
1	Driver/left "L" Bracket (center LED light)	2	6mm x 20mm Button Head Bolts
1	Passenger/right "L" Bracket (center LED light)	4	6mm x 18mm x 1.6mm Flat Washers
1	License Plate Bracket	2	6mm Nylon Lock Nuts
2	Plastic Plugs for license plate mount	8	4mm x 10mm Button Head Bolts
4	Rubber Plugs	4	Sealing Washers
10	Nylon Wire Ties	2	20mm x 2mm Foam Spacers
2	8-1.25mm x 25mm Hex Bolts	2	Retaining Rings
2	8-1.25mm x 16mm Hex Bolts (LED light bar)	1	Sensor Covers Kit
6	8mm x 24mm Flat Washers	1	4mm Allen Wrench
4	8mm Lock Washers	1	2.5mm 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. Remove the license plate. On models with factory fog lights and/or sensors, unplug the wiring harness leading to the bumper. Release the harness from clips attached to the back of the bumper and move harness out of the way.
2. Starting on the driver/left side, remove the plastic panel next to the opening in the bumper, **(Figure 1)**. On models with sensors, remove the panel and unplug the sensor, **(Figure 2)**. Next, remove the plastic fill panel directly above the tow hook, **(Figure 3-if equipped)**. Remove skid plate, if equipped. Skid plate cannot be reinstalled, **(Figure 4)**.
3. Next, move to the driver/left inner wheel opening. Remove the hardware attaching the inner bumper reinforcement to the outside of the frame, **(Figure 5)**.
4. Repeat **Steps 2 & 3** on the passenger/right side of the vehicle.
5. Place blocks or jack stands under the front bumper to support it during mounting bolt removal. Once the bumper has been safely supported, remove the (3) hex bolts attaching each side of the bumper to the bracket on the end of the frame, **(Figure 6)**. **WARNING!** Assistance is required to hold the bumper in place during hardware removal to prevent the bumper from falling. Slide the bumper assembly off of the tow hooks, (if equipped).

6. Once the bumper assembly has been removed, remove both bumper brackets from the end of the frame, **(Figure 7)**. **NOTE:** Sensors must be installed on Bumper before Bumper installation.

**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: IMPORTANT!** The front sensors are equipped with two different shaped sensors and each sensor type installs differently.

- a. Remove the sensors and wiring harness from the bumper and fill panels, **(Figures 2 & 8)**.
  - b. Select (1) Z-Shaped sensor, **(Figure 9)**. Remove the factory sealing washer from the sensor and replace with the provided Sealing Washer, **(Figures 9 & 10)**. Push the Z-Shaped sensor into the driver/left outer sensor sleeve in the back of the Bumper, **(Figure 10)**.
  - c. Secure the Z-Shaped sensor to the sensor sleeve with (2) 4mm x 10mm Button Head Screws, **(Figure 10)**. **IMPORTANT:** Sensors fit snug in sensor sleeves. 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.
  - d. Repeat **Steps 6b & 6c** to install the remaining Z-Shaped sensor into the passenger/right outer sensor sleeve in the back of the Bumper.
  - e. Next, select (1) L-Shaped sensor, **(Figure 11)**. Remove the factory sealing washer from the sensor and replace with the provided Sealing Washer.
  - f. Attach the adhesive side of (1) Foam Spacer to (1) Retaining Ring. Insert the L-Shaped sensor into the driver/left inner sensor sleeve in the back of the Bumper. Push the Retaining Ring into the sensor sleeve to secure the L-Shaped sensor in place, **(Figure 12)**.
  - g. Repeat **Steps 6e & 6f** to install the remaining L-Shaped sensor into the passenger/right inner sensor sleeve in the back of the Bumper.
7. **Center LED light installation** (sold separately).
- a. Select the L/R "L" Brackets, **(Figure 13)**. Attach the Brackets to the top of the (2) mounting tabs welded onto 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. Leave loose at this time.
  - b. 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 13)**. Do not fully tighten hardware at this time. **IMPORTANT:** "L" Brackets are designed for 8mm light mounting hardware only. Modify "L" Brackets if necessary or use brackets supplied by the light manufacturer if possible to install hardware larger than 8mm.
  - c. Follow light manufacturer's instructions to properly wire the light.
- LED light installation at ends of bumper** (sold separately).
- a. Insert light into opening and up to mounting slots. Check for clearance between front and back of light. If necessary, remove screen from back of opening, **(Figure 14)**.
  - b. Follow the light manufacturer's instructions to attach (1) light to the center slot or (2) lights to the inner and outer slots in the top of the light opening, **(Figure 14)**. **IMPORTANT:** On two light systems, attach the flood light to the outer slot and the spot light to the inner slot.
  - c. Repeat the above steps for passenger side light installation.
  - d. Follow light manufacturer's instructions to properly wire the light.
8. With assistance, position the LD1 Bumper Assembly up to the frame brackets. 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.
9. Reuse the (3) factory bumper mounting hex bolts to attach the mounting plate on the back of the driver/left side of the Bumper to the Frame Bracket, **(Figures 15 & 16)**. Do not fully tighten at this time. Repeat this Step to attach the passenger/right side of the Bumper to the Frame Bracket, **(Figure 17)**.
10. Level and adjust the bumper and fully tighten all hardware.
11. Reinstall the wiring harness to the sensors. Use the included wire ties to securely attach the harness to the back of the Bumper.
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 x 18mm Large Flat Washers and (2) 6mm

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Nylon Lock Nuts. Insert (2) Plastic Plugs into the square holes in the Bracket. Reuse the factory screws to attach the license plate to the plastic plugs, **(Figure 18)**.

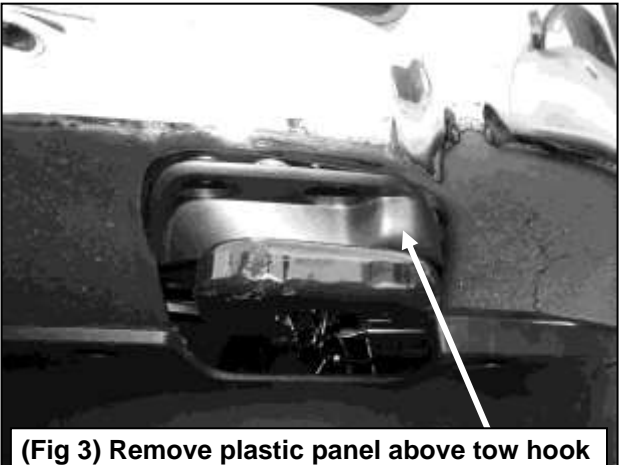
**13.** Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**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 Bumper assembly.

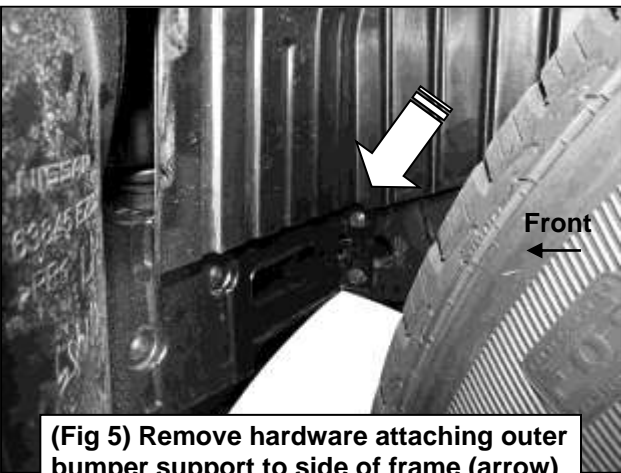
**Driver Side Installation Pictured**



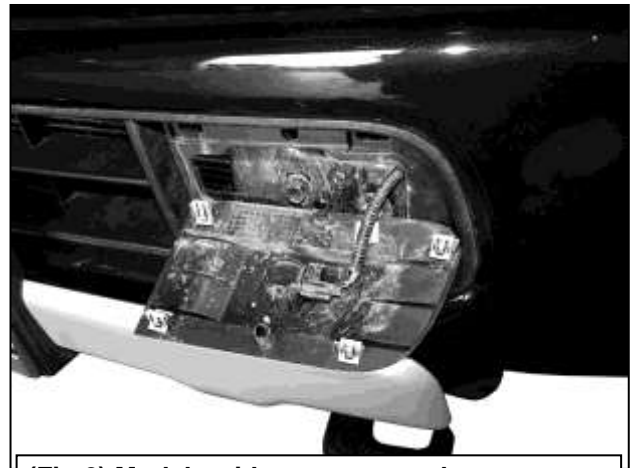
**(Fig 1) Remove fill panel to access bumper bolts**



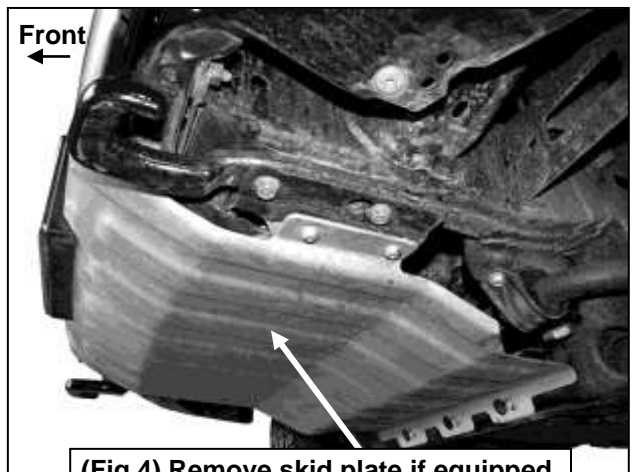
**(Fig 3) Remove plastic panel above tow hook**



**(Fig 5) Remove hardware attaching outer bumper support to side of frame (arrow)**

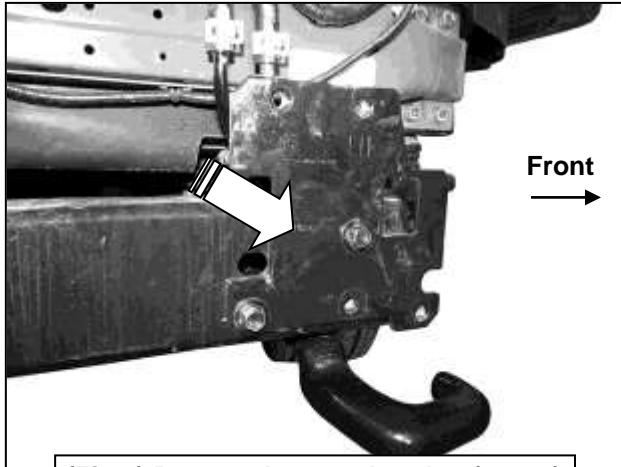


**(Fig 2) Models with sensors, unplug sensors**



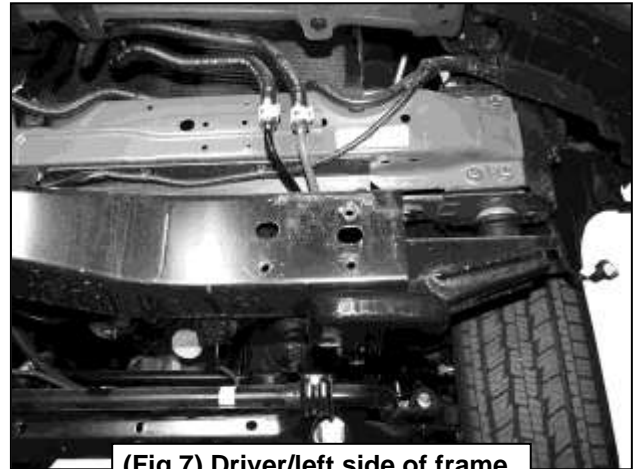
**(Fig 4) Remove skid plate if equipped**

Driver Side Installation Pictured

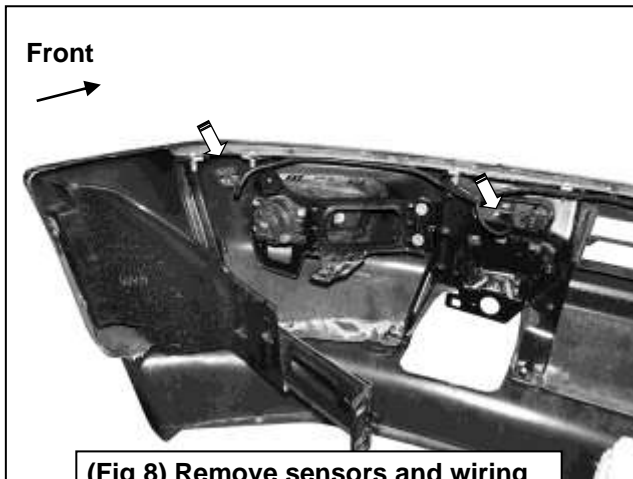


(Fig 6) Remove bumper bracket (arrow)

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



(Fig 7) Driver/left side of frame

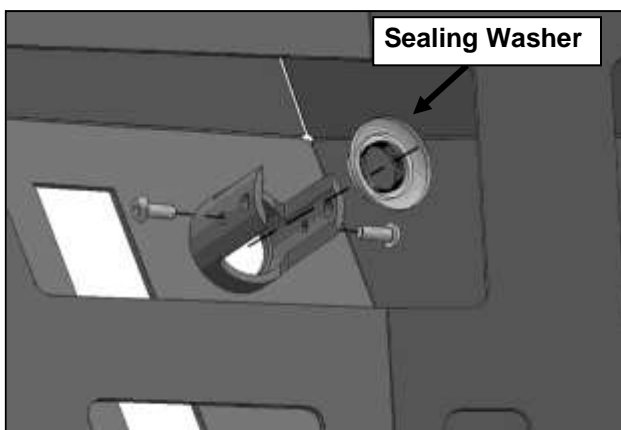


(Fig 8) Remove sensors and wiring harness (if equipped) from bumper

Remove factory washer from sensor



(Fig 9) Z-Shaped Sensor. Place on outer sensor sleeves behind Bumper.



(Fig 10) Push Z-sensor into outer sensor sleeve. Use 4mm Screws to lock sensor in place.

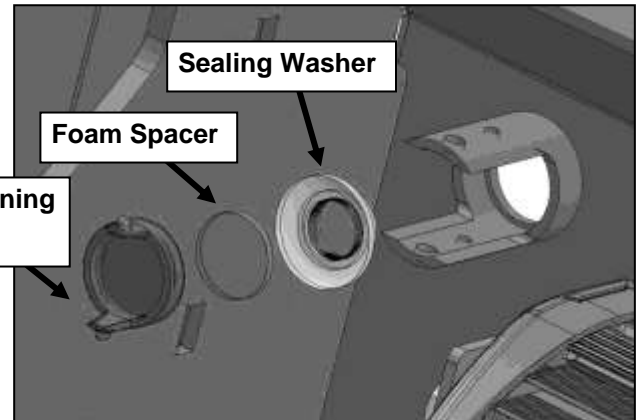
**IMPORTANT:** Sensors fit snug in sockets. The 4mm Screws are only used to apply slight pressure to lock the sensors in place. Tighten both screws evenly until they touch the sensor body only. Do not overtighten screws or damage to sensors will result.

Driver Side Installation Pictured

Remove factory  
washer from sensor

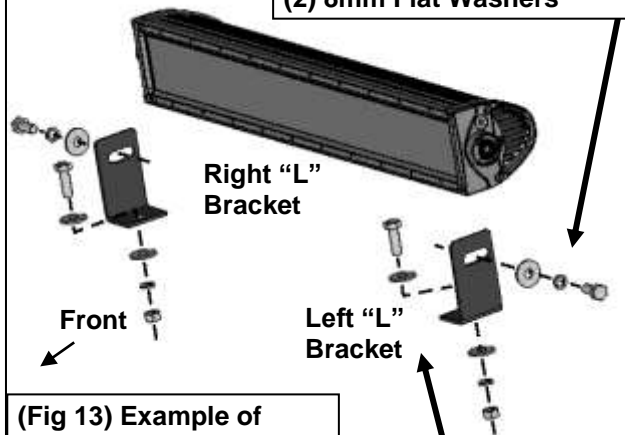


(Fig 11) L-Shaped Sensor. Place on  
inner sensor sleeves behind Bumper.



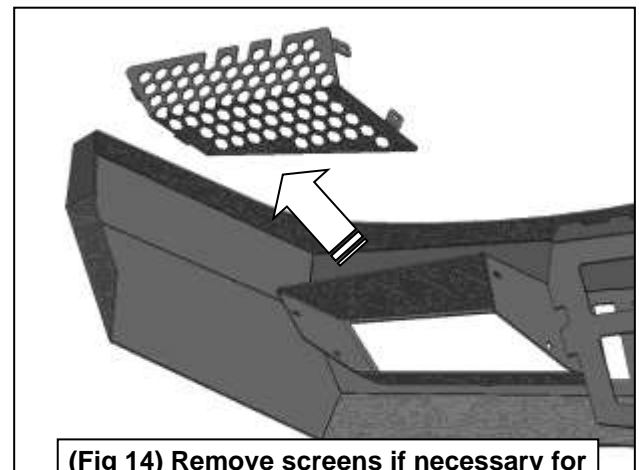
(Fig 12) Push L-sensor into inner sensor sleeve.  
Use Retaining Ring to secure sensor in place.

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



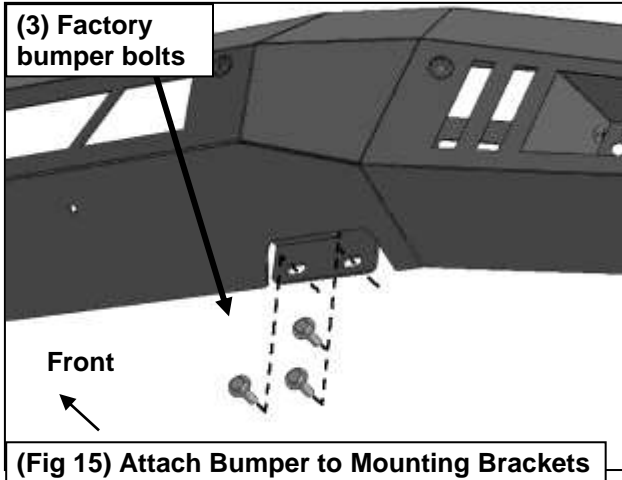
(Fig 13) Example of  
center light installation

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



(Fig 14) Remove screens if necessary for  
clearance/access to outer light mounts

Driver Side Installation Pictured



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

