



**BLACK HORSE
OFF ROAD®**

TEL: 1-866-XANATOS

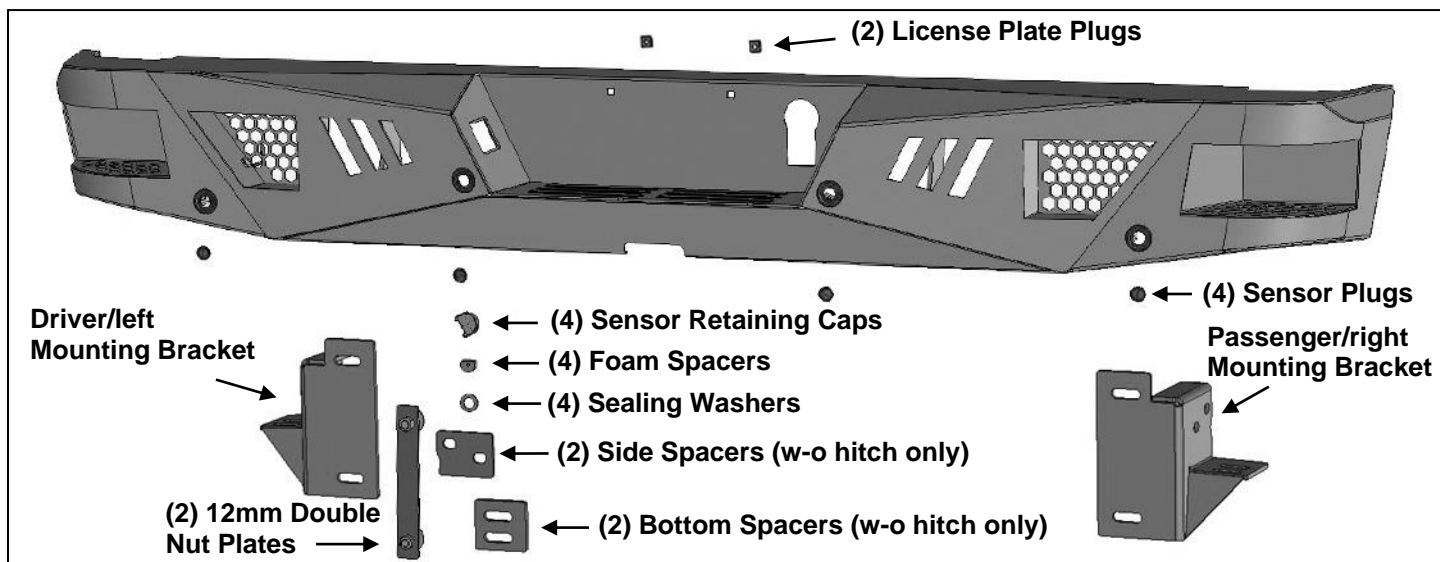
INSTALLATION INSTRUCTIONS

**LD1 REAR BUMPER FOR
16-24 NISSAN TITAN XD (w-o hitch)
PART#ARB-NITI**

**LD1 REAR BUMPER
2016-24 TITAN "XD" MODELS ONLY**

PARTS LIST:

1	LD1 Rear Bumper Assembly	4	Sensor Hole Plugs
1	Driver/Left Bracket	1	Sensor Covers Kit
1	Passenger/Right Bracket	2	12mm Double Nut Plates
2	Side Spacer Plates (w-o hitch only)	4	12-1.75mm x 40mm Hex Bolts
2	Bottom Spacer Plates (w-o hitch only)	4	12mm x 37mm x 3mm Flat Washers
2	Plastic Plugs for license plate mount	4	12mm Lock Washers
4	Sensor Retaining Caps	8	4mm Self Tapping Screws
4	20mm x 10mm Foam Spacers	1	4mm Wrench
4	15.5mm x 25mm x 2mm Foam Washers	10	Nylon Cable Ties 200mm



PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS HIGHLY RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE. BLIND SPOT WARNING SENSORS IN SIDES OF REAR BUMPER MUST BE REMOVED AND CANNOT BE REINSTALLED.

1. Remove the license plate. Unplug all wiring harnesses leading to the rear bumper, **(Figure 1)**. Move the wiring harness away from the bumper.
2. Next, remove the factory Torx head bumper bolts from the bottom of the bumper, **(Figure 1)**.
3. From under the bumper, release the clips attaching the top cover to the bumper, **(Figure 2)**. Remove the plastic cover from the top of the bumper.
4. Place blocks or jack stands under the bumper to support it during bumper bolt removal.
5. Remove the top mounting bolts attaching the bumper to the top of the hitch if equipped or inner bumper reinforcement and slide the bumper off of the end of the frame, **(Figures 3 & 4)**. **WARNING!** Assistance is required to hold the bumper in place during hardware removal and to prevent the bumper from falling. **NOTE:** If preferred, bumper and hitch or bumper reinforcement can all be removed as an assembly then separated off the vehicle.

6. Select the passenger/right Frame Bracket. Determine correct installation for your vehicle.

Models without factory receiver hitch

- a. Remove the bumper reinforcement from the ends of the frame.
- b. Hold the Passenger/right Mounting Bracket up to the bottom of the frame. Slide (1) Bottom Spacer Plate between the Bracket and the bottom of the frame, **(Figure 5)**. Reuse the (2) factory bolts to attach the Bracket and Spacer to the bottom of the frame, **(Figures 5 & 6)**. Leave hardware loose.
- c. Select (1) Side Spacer Plate. Insert the Side Spacer Plate between the tab on the side of the Bracket and the frame. Orient the Spacer to match the radius cut out of the side of the Bracket,

(Figures 5 & 6). Reuse the factory bolts to attach the Bracket and Spacer to the side of the frame. Snug but do not fully tighten hardware at this time.

- d. Repeat the above **Steps** to install the driver/left Mounting Bracket.

Models with factory receiver hitch

- a. Hold the Passenger/right Mounting Bracket up to the bottom of the frame. Reuse the (4) factory bolts to attach the Bracket to the bottom and the side of the hitch and frame, (**Figure 7**). Snug but do not fully tighten hardware at this time. **NOTE:** Spacers are not required on models with factory receiver hitch.
- b. Repeat the previous **Step** to attach the driver/left Mounting Bracket.
7. Remove the wiring harness, license plate lights and towing harness plug from the bumper, (**Figure 8**).
8. **NOTE:** LD1 Bumper has mounting locations for auxiliary back up or flood light installation. If installing lights at this time, check for clearance around light. If additional clearance around light is required, remove the back screens from the light housings before the Bumper is installed, (**Figure 9**).
9. Determine if the Bumper is equipped with back up sensors.

Models without bumper mounted sensors:

- a. Push the (4) sensor plugs into the sensor mounts from the front of the bumper, (**Figure 10**).

Models with bumper mounted sensors:

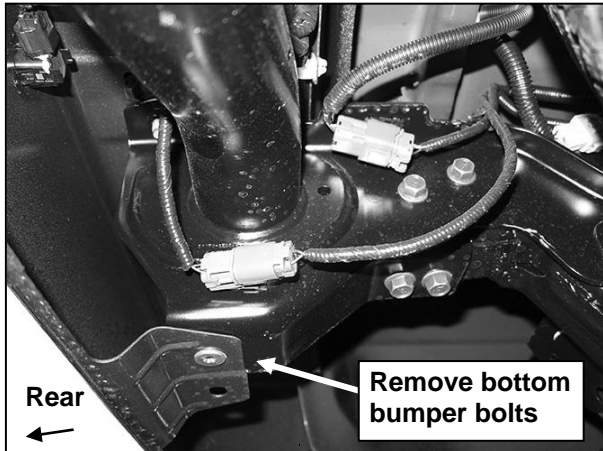
- a. Remove the sensors from the factory bumper. Note location of all sensors for reinstallation.
- b. Remove the factory sealing washer from the end of the sensor. Push the provided Foam Sealing Washer onto the front of the sensor, (**Figure 11**).
- c. Push the sensor in from the back of the Bumper until it is flush with the sensor mount.
- d. Attach (1) Foam Spacer to end of the sensor, (**Figure 11**).
- e. Push (1) Retaining Cap onto the sensor mount to secure the sensor in place, (**Figure 11**).
- f. Repeat the previous steps for the remaining sensors.
10. Snap the towing harness plug and license plate lights into the openings in the LD1 Bumper, (**Figure 15**). If necessary, use a flat blade screwdriver to carefully pry the lock tab on the clip out to help lock the plug into place. Attach factory wiring harness to the LD1 Bumper. Plug harness into lights, sensors and trailer plug as equipped. Use the included Wire Ties to secure the wiring harness to the bumper and frame. Seal off any open unused wire connectors.
11. With assistance, position the LD1 Bumper up to the Bumper Brackets on the ends of the frame, (**Figure 11**). 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 safely supported.
12. Line up the (2) mounting holes in the back of the passenger/right side of the Bumper with the Mounting Bracket. Slide (1) 12mm Double Nut Plate into place behind the mounting plate on the Bumper, (**Figure 12**). Attach the Bumper to the Double Nut Plate with (2) 12mm Hex Bolts, (2) 12mm Lock Washers and (2) 12mm Flat Washers, (**Figures 12—14**). Leave hardware loose at this time. Repeat to attach the driver/left side of the Bumper to the Bracket.
13. Slowly open the tail gate and check for clearance. Level and adjust the LD1 Bumper and fully tighten all hardware.
14. Connect the bumper wiring harness to the main vehicle harness.
15. Insert the included (2) push-in plugs to attach the license plate to the Bumper, (**Figure 15**).
16. 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 LD1 Bumper assembly.

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

**LD1 REAR BUMPER
2016-24 TITAN "XD" MODELS ONLY**

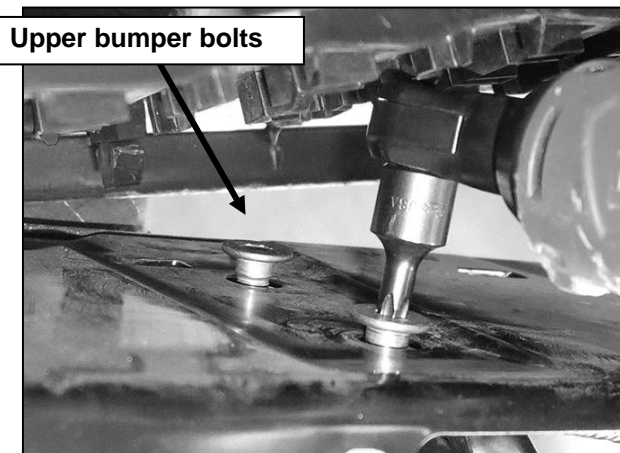
Passenger/right side installation pictured



(Fig 1) Unplug wiring harness (driver side pictured)



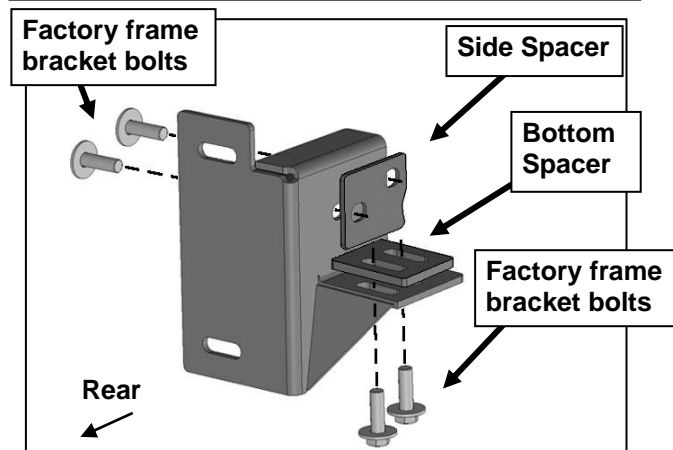
(Fig 2) Release clips attaching top cover



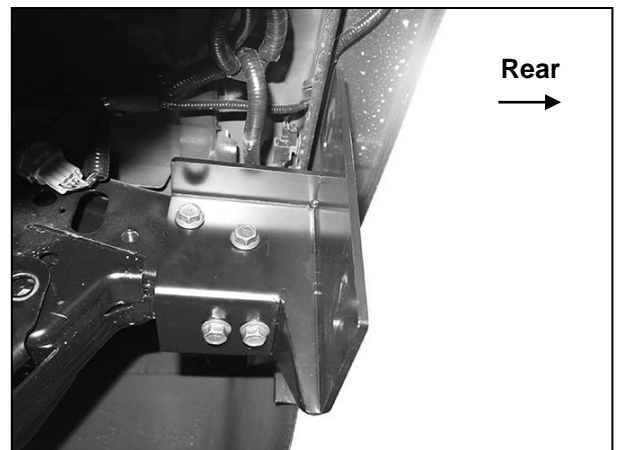
(Fig 3) Remove upper bumper bolts and remove bumper (also see Figure 1 for lower bolts)



(Fig 4) Bumper completely removed, model without receiver hitch pictured

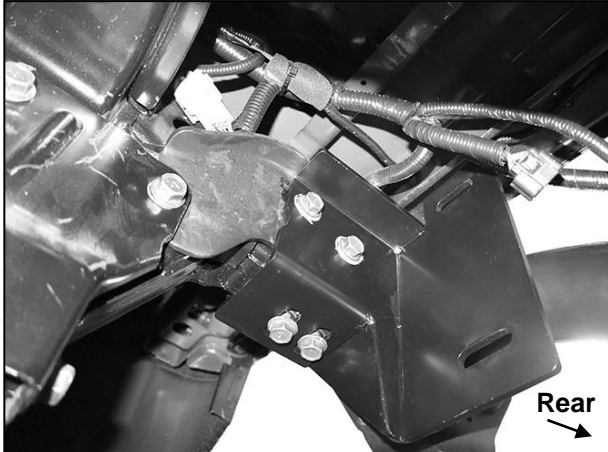


**(Fig 5) Passenger/right Mounting Bracket-
Spacers required on models without hitch only**



**(Fig 6) Passenger/right Mounting Bracket
installed on model without hitch (Spacers
Required between Bracket and frame)**

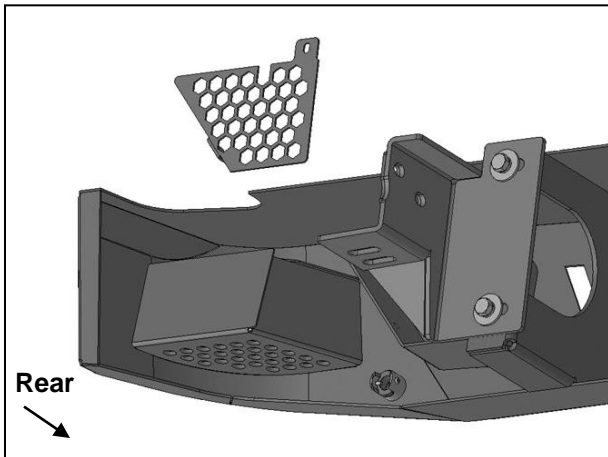
Passenger/right side installation pictured



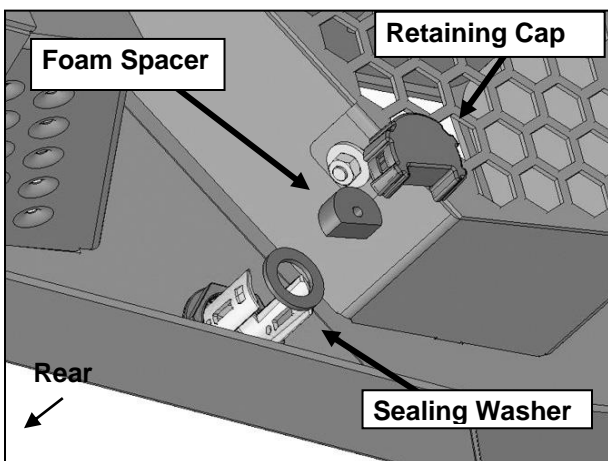
(Fig 7) Passenger/right Mounting Bracket attached directly to hitch. Spacers not required.



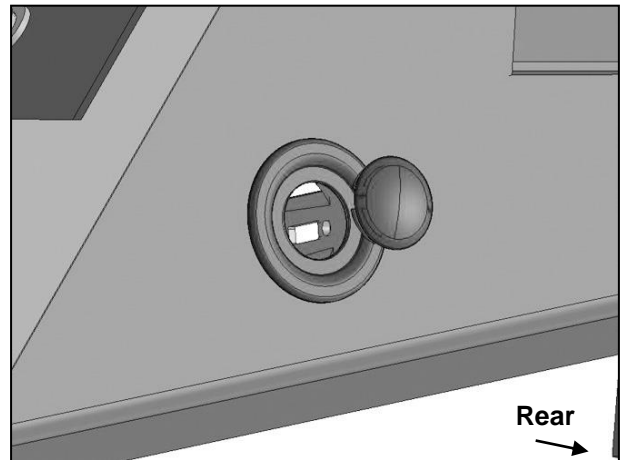
(Fig 8) Unplug and remove wiring harness, license plate lights and trailer connector



(Fig 9) Remove screens for additional clearance around or access to lights



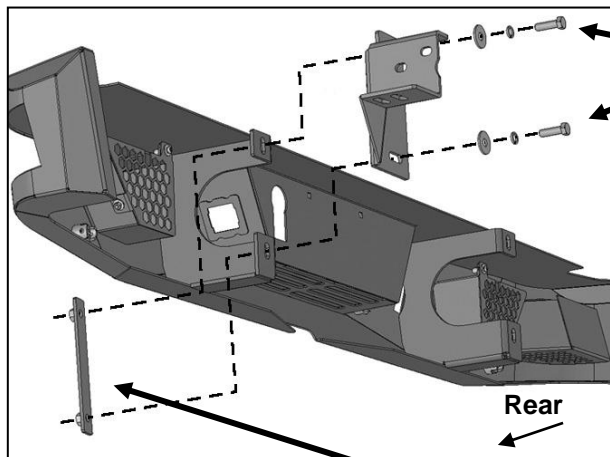
(Fig 11) Push sensor into sensor sleeve. Use Retaining Cap to lock sensor in place.



(Fig 10) Models without parking sensors, push included Plugs into sensor mounts

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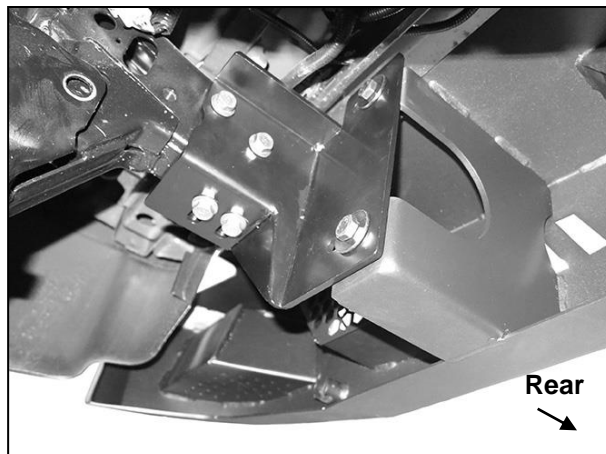
Passenger/right side installation pictured



(Fig 12) Slide Double Nut Plate into Bracket

- (2) 12mm Hex Bolts
- (2) 12mm Flat Washers
- (2) 12mm Flat Washers

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



(Fig 13) Passenger/right side attached w-o hitch

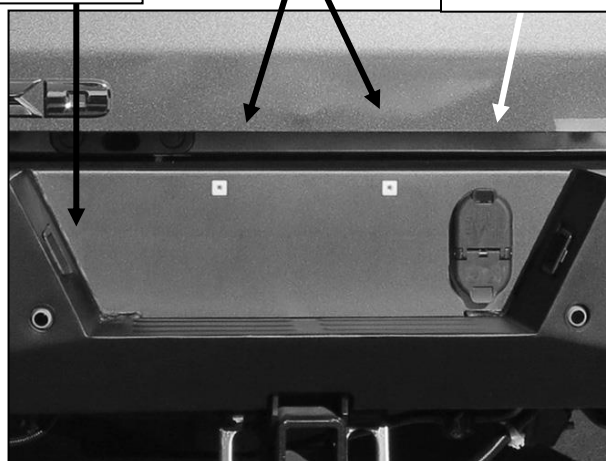


(Fig 14) Passenger/right side attached w-hitch

**License Plate
Lights**

(2) Plastic plugs

Trailer Plug



(Fig 15) Push plug for license plate into place. Install trailer plug and license plate lights before installing Bumper. Carefully bend locking tab outward on trailer plug if necessary



Complete Installation