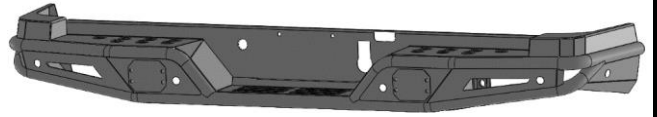




NB3 REAR BUMPER

Part No. RPRB003TI



Fits: 2019 RAM 1500



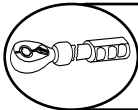
Including Diesel models with DEF tanks



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.



60-180 min



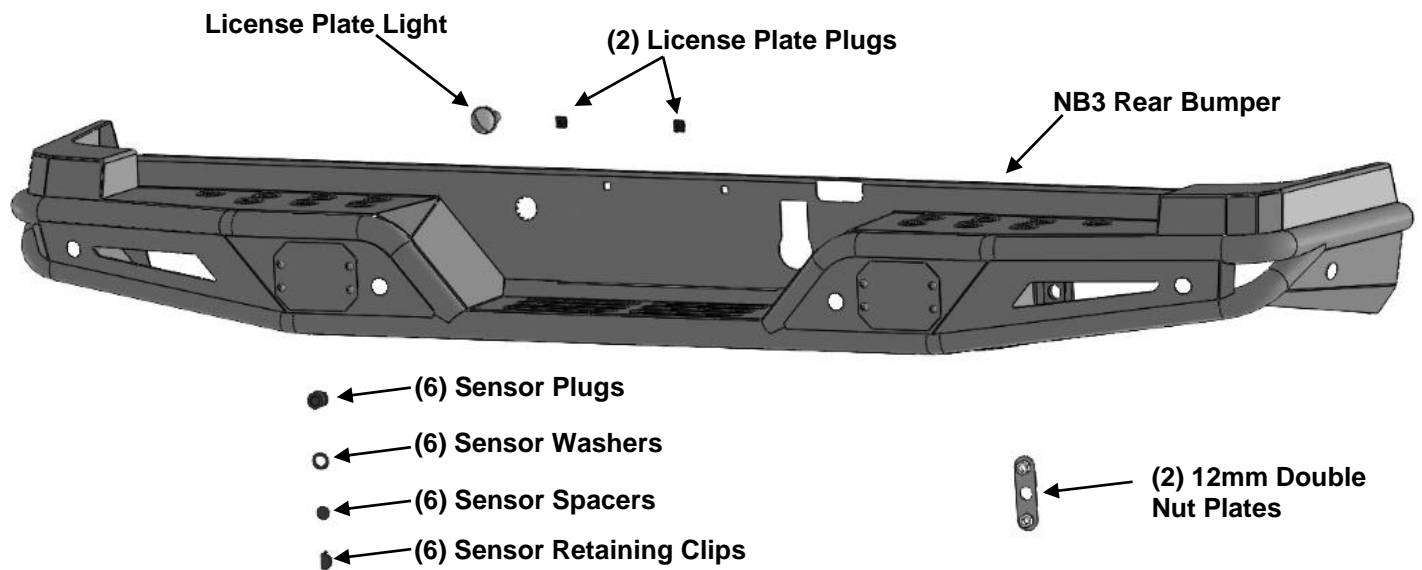
Cutting is not Required



Drilling is not Required

PARTS LIST:

Qty	Part Description	Qty	Part Description
1	NB3 Rear Bumper	4	12-1.75mm x 35mm Hex Bolts
1	License Plate Light	4	12mm Lock Washers
2	License Plate Plugs	4	12mm x 27mm OD x 3mm Flat Washers
6	Sensor Plugs	2	4-0.75mm x 10mm Button Head Bolts
6	Foam Spacers	4	4mm x 12mm OD x 1.0mm Flat Washers
6	Foam Washers	2	4mm Lock Washers
6	Retaining Clips	2	4mm Hex Nuts
6	Sensor Covers	10	Wire Ties
2	12mm Double Nut Plates	1	2.5mm Hex Wrench



PROCEDURE:

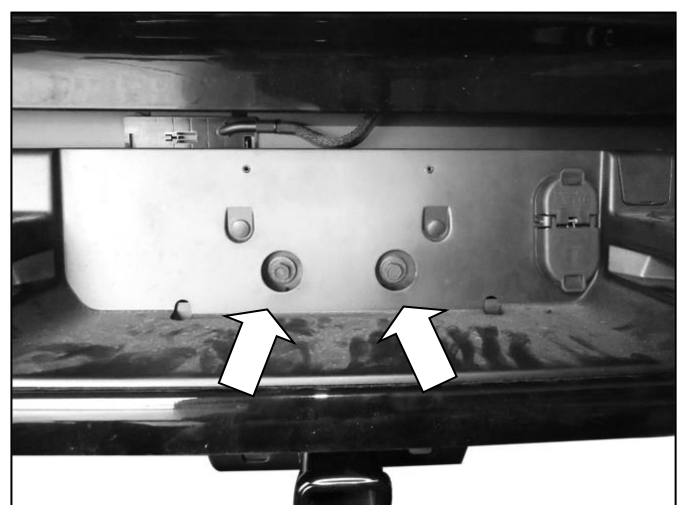
REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. BUMPER IS HEAVY, ASSISTANCE IS HIGHLY RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE. ON MODELS WITH DUAL EXHAUST, ALLOW EXHAUST TO COMPLETELY COOL BEFORE STARTING INSTALLATION.

1. Start installation by removing the license plate, **(Figure 1)**. Next, remove the (2) factory hex bolts behind the license plate, **(Figure 2)**. Locate and unplug the main wire harness from the Bumper, **(Figure 3)**. Release the clips holding the main wire harness to the Bumper.
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 (4) factory bumper bolts, (2 per side), and slide the rear bumper off the end of the frame, **(Figures 4 & 5)**. **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 flat clean surface.
3. Unplug and remove the license plate lights, trailer plug, remote key antenna and sensors if equipped, **(Figure 6)**. Release the wiring harness from the back of the bumper.
4. Remove the remote key antenna from the back of the rear bumper, **(Figures 7 & 8)**.
5. Align the remote antenna to the front of the mounting tabs on the back of the NB3 Bumper. Use (2) 4mm Button Head Bolts, (4) 4mm Flat Washers, (2) 4mm Lock Washers and (2) 4mm Hex Nuts to attach the remote key antenna to the Bumper, **(Figure 9)**.
6. **Models equipped with rear sensors:**
 - a. Remove each sensor from the back of the bumper.
 - b. Select (1) Foam Washer. Remove the OE washer from the front of the sensor. Place the provided Foam Washer onto the front of the sensor, **(Figure 10)**.
 - c. Slide the sensor tabs into the sensor sleeve openings on the back of the NB3 Bumper. Secure sensor in the sleeve with (1) Foam Spacer and (1) Retaining Clip, **(Figure 11)**.
 - d. Repeat the previous **Steps** for the remaining (5) sensors.
- Models without rear sensors:**
 - a. Select (6) Sensor Plugs. Insert the Plugs into the sensor mounting sleeves.
7. Connect the main wire harness to the remote antenna and (6) sensors.
8. **Determine if Lights will be installed (Light not included) (Optional)**
 - a. Remove the Cover Panel attached to the NB3 Bumper, **(Figure 12)**.
 - b. Follow Light manufacturer's instructions for installation and wiring. (Light not included)
9. With assistance, position the NB3 Bumper up to the factory hitch mounting 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.
10. Attach the Driver/Left side of the Bumper to the frame with (2) 12mm Hex Bolts, (2) 12mm Lock Washers, (2) 12mm Flat Washers and (1) 12mm Double Nut Plate, **(Figures 13 & 14)**. Repeat this **Step** to attach the Passenger/Right side of the Bumper to the frame. Do not tighten hardware.
11. Slowly open the tail gate and check for clearance. Level and adjust the Bumper. Tighten all hardware.
12. Insert the (2) License Plate Plugs to attach the license plate to the NB3 Bumper. Insert the included License Plate Light into the mounting hole in the Bumper, **(Figure 15)**.
13. Insert the trailer plug into the opening in the NB3 Bumper.
14. Plug in all wiring harnesses.
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 the Rear Bumper assembly.



(Fig 1) Remove License Plate



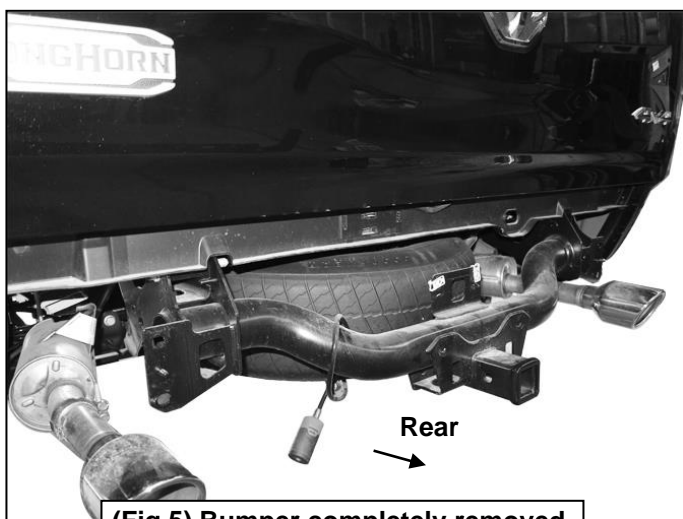
(Fig 2) Remove the (2) factory bolts behind the license plate



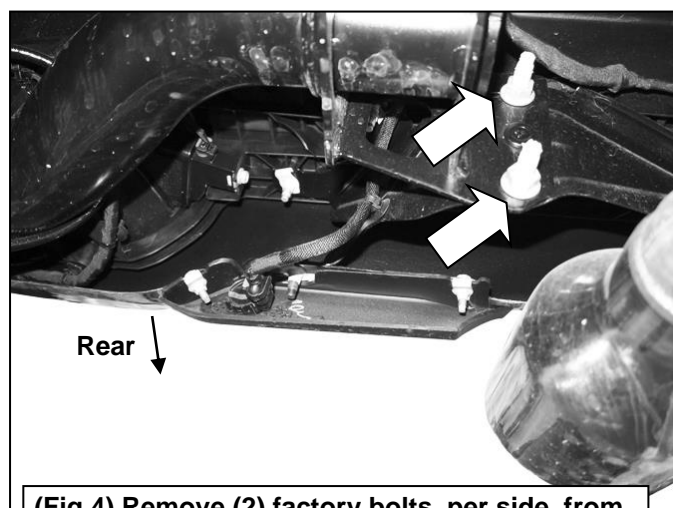
(Fig 3) Unplug the main wire harness

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



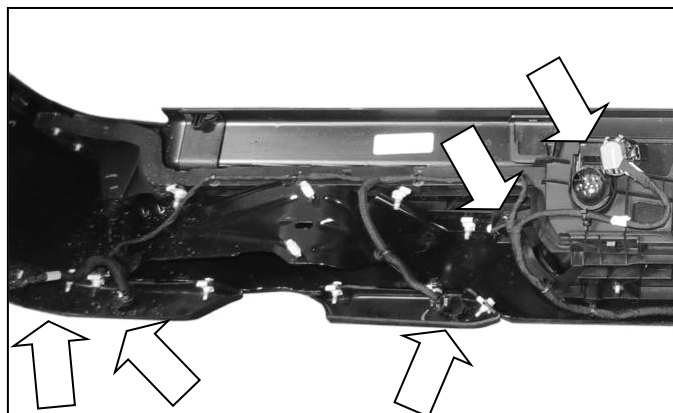
(Fig 5) Bumper completely removed



(Fig 4) Remove (2) factory bolts, per side, from behind the bumper (Driver/Left side pictured)



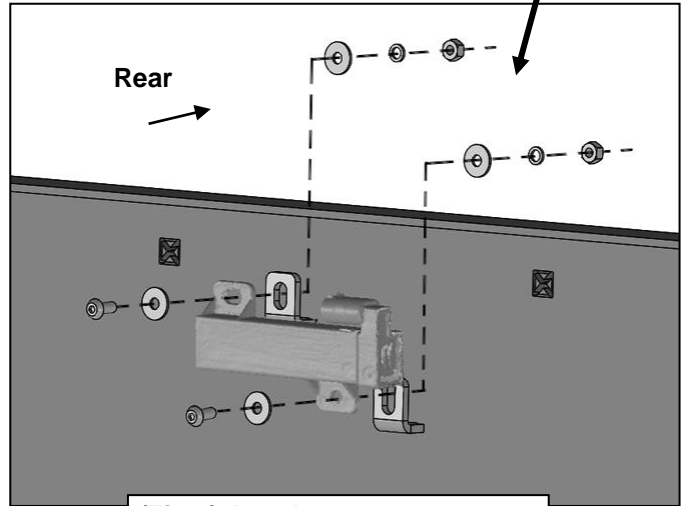
(Fig 7) Remove Rear Remote Key Antenna from behind bumper



(Fig 6) Unplug the sensors, trailer plug, license plate lights and remote key antenna from the wire harness. Release the wire harness from the back of the bumper.



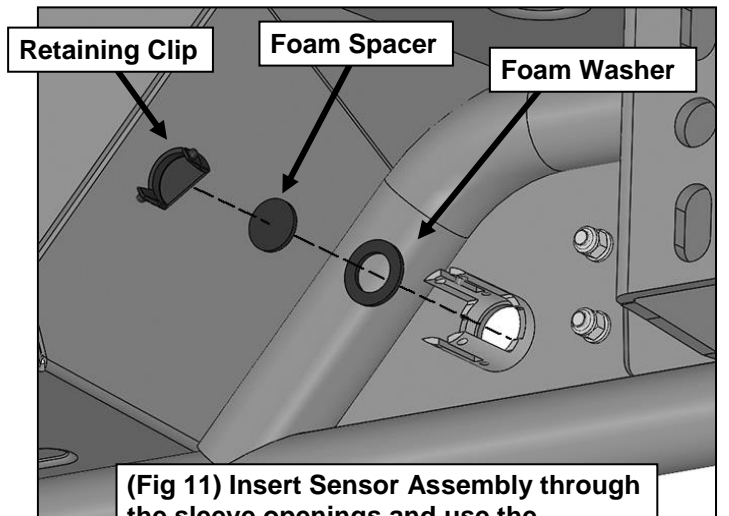
- (2) 4mm Button Head Bolts
- (4) 4mm Flat Washers
- (2) 4mm Lock Washers
- (2) 4mm Hex Nuts



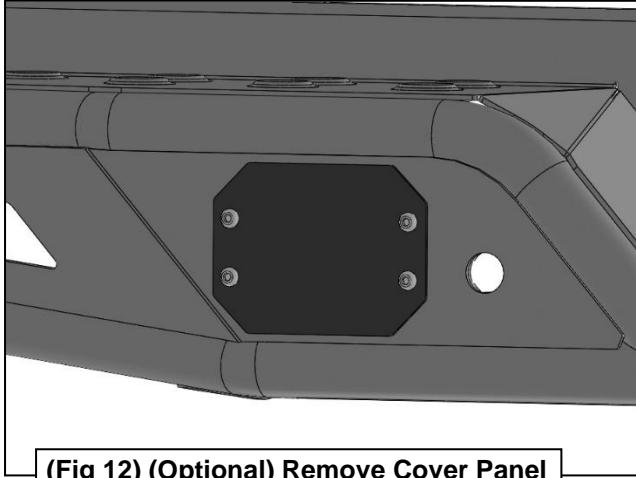
(Fig 9) Attach remote antenna to the back of the Rear Bumper



(Fig 10) Remove OE sensor washer and place the provided Foam Washer onto the front of the sensor

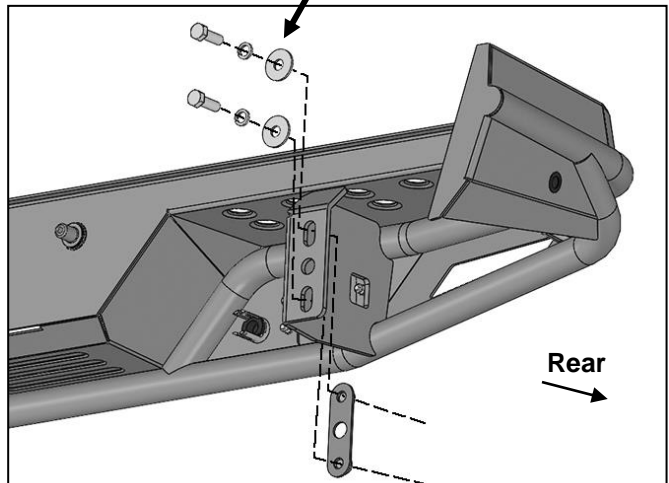


(Fig 11) Insert Sensor Assembly through the sleeve openings and use the Retaining Clip to secure sensor in place

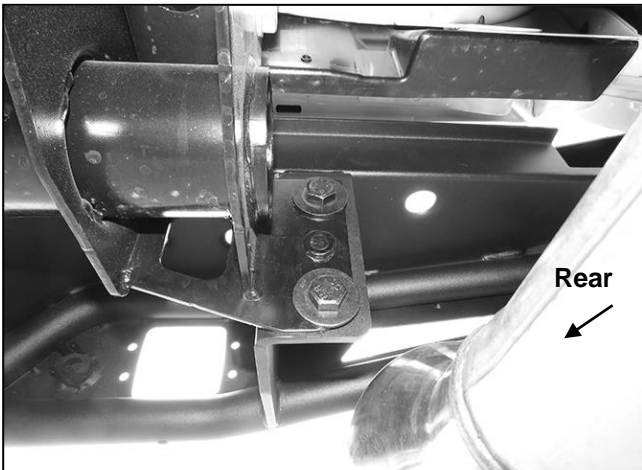


(Fig 12) (Optional) Remove Cover Panel to install Light, (Light not included)

- (2) 12mm Hex Bolts
- (2) 12mm Lock Washers
- (2) 12mm Flat Washers
- (1) 12mm Double Bolt Plate

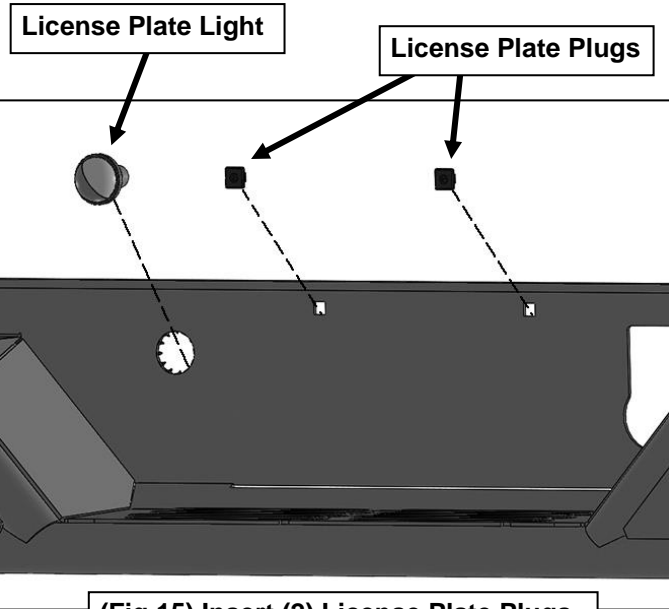


(Fig 13) Attach the Bumper to the Driver/Left Frame



(Fig 14) Bumper attached to the Driver/Left

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



(Fig 15) Insert (2) License Plate Plugs and the License Light into the Bumper

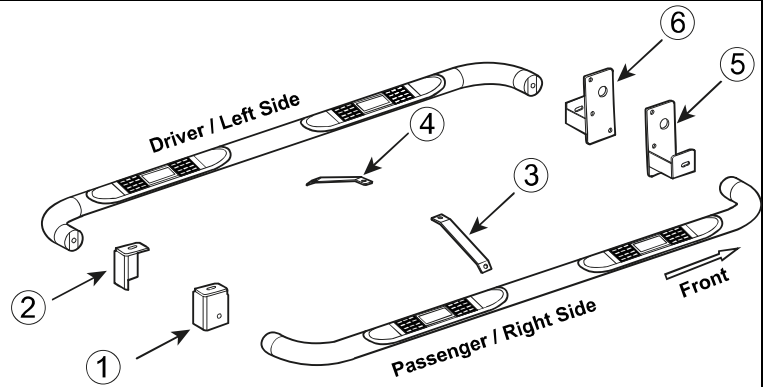
PARTS IDENTIFICATION GUIDE

Driver Side tube packed using "Green" color foam sheet. Passenger Side tube packed using "White" color foam sheet

No.	Parts Identification
1	Passenger / Right 'Rear' Bracket marked "PR"
2	Driver / Left 'Rear' Bracket marked "DR"
3	Passenger / Right 'Center' Bracket marked "PC"
4	Driver / Left 'Center' Bracket marked "DC"
5	Passenger / Right 'Front' Bracket marked "PF"
6	Driver / Left 'Front' Bracket marked "DF"

Note:

- This guide is to identify the parts and not a reference for part count.
- For part count, refer Parts List.
- Product / Bracket image is representative and actual design may vary.



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.

Check out these other TrailFX Products!!



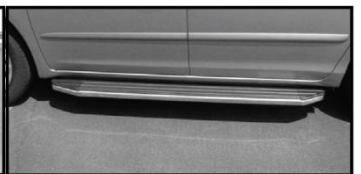
BULL BAR



GRILLE GUARDS



BED RAILS



RUNNING BOARDS



RUNNING BOARDS



RUNNING BOARDS