HD REAR BUMPER

Part No. RHDB002TI
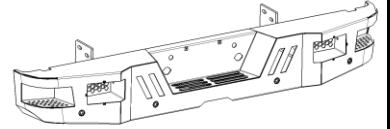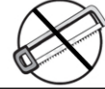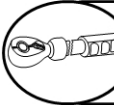
Fits: **2010-2015   DODGE RAM 2500/3500**

ASSISTANCE IS RECOMMENDED.

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.

INSTALL TIME
60-180 min

Cutting Not Required

Drilling Not Required

WARRANTY: POLISHED STAINLESS STEEL – LIMITED LIFETIME
POWDER COATED BLACK – 3 YEARS

PARTS LIST:			
Qty	Part Description	Qty	Part Description
1	Heavy Duty Rear Bumper Assembly	8	12mm Nylon Lock Nuts
1	Push in License Plate Light	4	8mm x 40mm Hex Bolts
2	Plastic Plugs for license plate mount	4	8mm x 28mm x 3mm Flat Washers
4	Sensor Hole Plugs	4	8mm Lock Washers
8	12-1.75mm x 50mm Hex Bolts	8	4mm x 10mm Button Head Bolts
16	12mm x 37mm x 3mm Flat Washers	1	4mm Wrench

(2) License Plate Plugs

← **License Plate Light**

(4) Sensor Plugs

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.
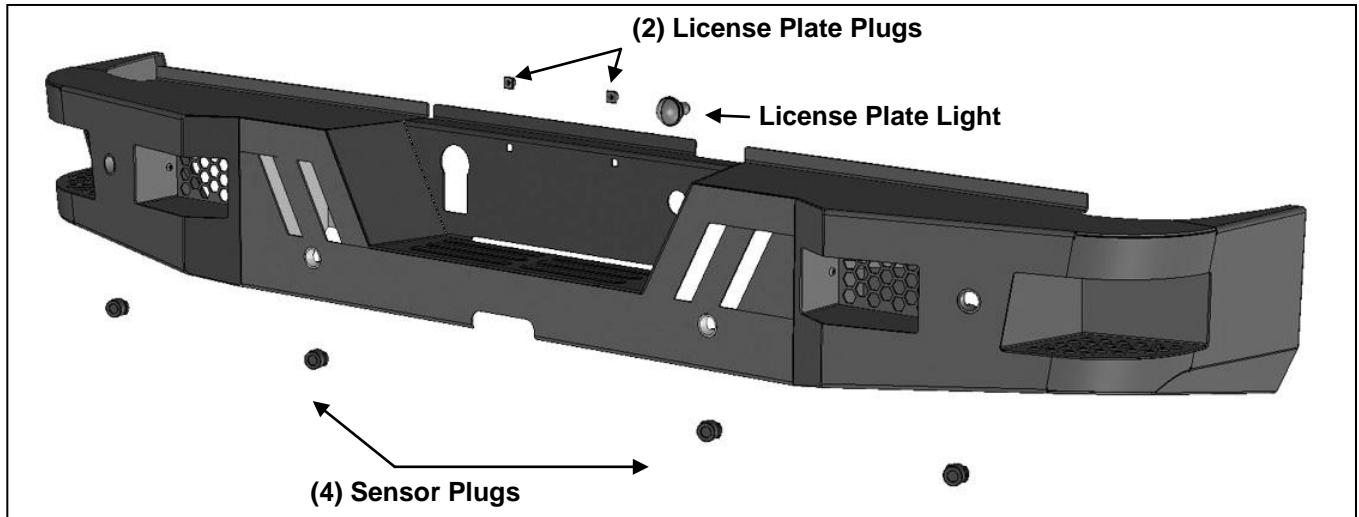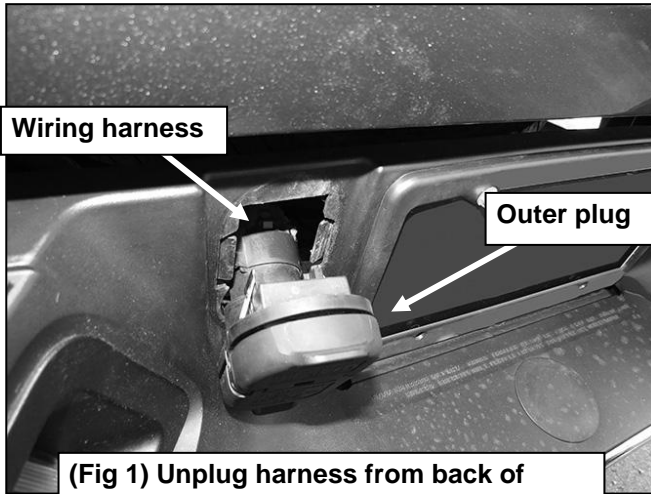
1. Start installation by unplugging the license plate lights, towing harness plug and sensors if equipped, **(Figure 1)**. Remove the license plate. Remove the outer towing harness plug, **(Figure 2)**. On models with back up sensors, remove the sensors from the plastic sleeves, **(Figure 3)**. Move the wiring hardness away from the bumper.

Wiring harness

Outer plug

**(Fig 1) Unplug harness from back of trailer connector then remove outer plug**

(Fig 2) Unplug the sensor first then remove the sensor from the mounting sleeve

(Fig 3) Remove the mounting sleeve (right) from each sensor location in 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 bumper bolts and slide the rear bumper off of the end of the frame, **(Figures 4—6)**. **WARNING!** Assistance is required to hold the bumper in place during hardware removal and to prevent the bumper from falling.
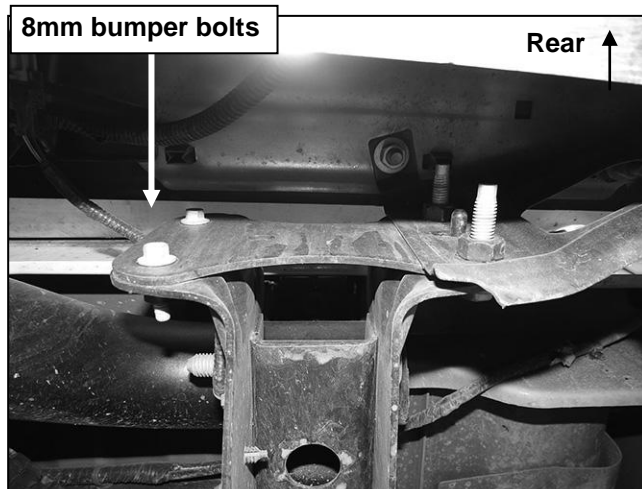
8mm bumper bolts

Rear ↑

WARNING! Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or the bumper may fall.
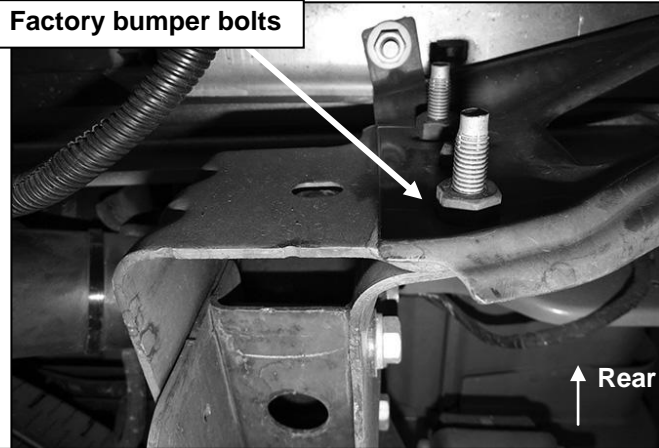
(Fig 4) Example of factory bumper bracket with 8mm hex nuts (left) welded onto back of bracket

Factory bumper bolts

Rear

(Fig 5) Example of factory bumper bracket with (2) hex bolts only (right) pictured from below bumper

Factory receiver hitch
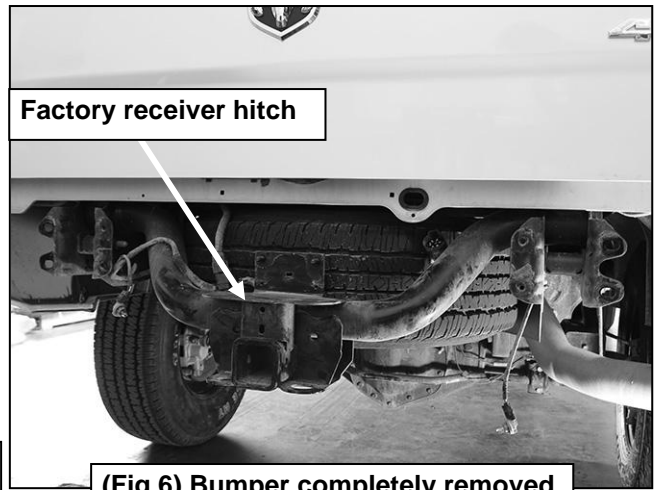
(Fig 6) Bumper completely removed

3. With assistance, position the Bumper Assembly up and over the bumper brackets on the ends of the frame, **(Figures 6 & 7)**. 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 fully and safely supported.
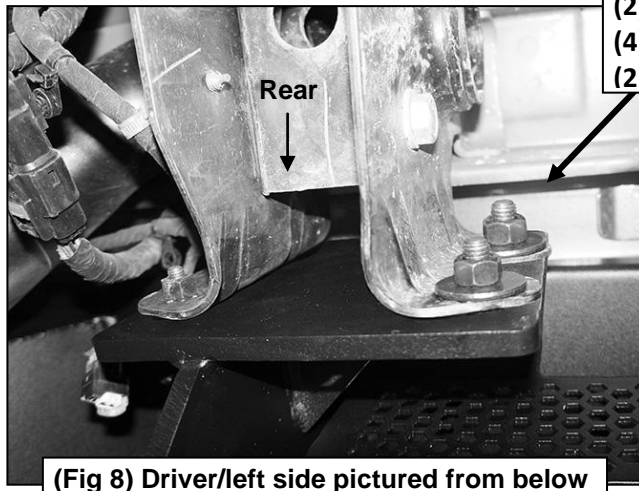

(2) 12mm Hex Bolts
(4) 12mm Flat Washers
(2) 12mm Nylon Lock Nuts
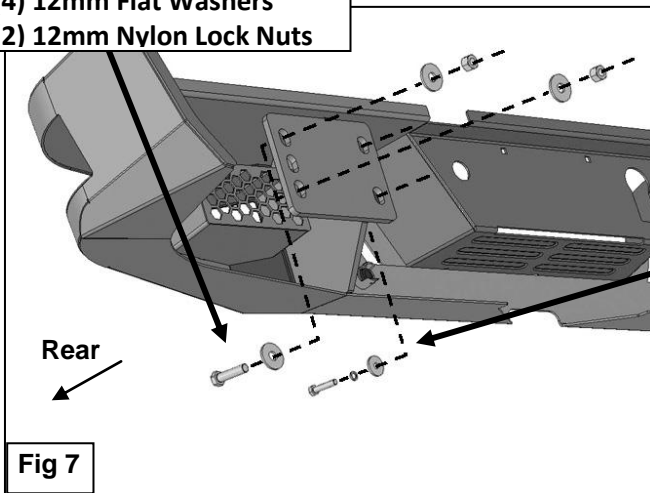
On inner side of bracket, use:
(2) 12mm Hex Bolts
(4) 12mm Flat Washers
(2) 12mm Nylon Lock Nuts
or
(2) 8mm Hex Bolts
(2) 8mm Lock Washers

Rear

Fig 7

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

4. Line up the (2) outer holes in the passenger side frame mounting bracket with the (2) holes in the Mounting Plate. Attach the Bumper to the frame bracket with (2) 12mm Hex Bolts, (4) 12mm Flat Washers and (2) 12mm Nylon Lock Nuts, **(Figures 7 & 8)**. Leave hardware loose at this time. Repeat to attach the driver side of the Bumper to the frame bracket.
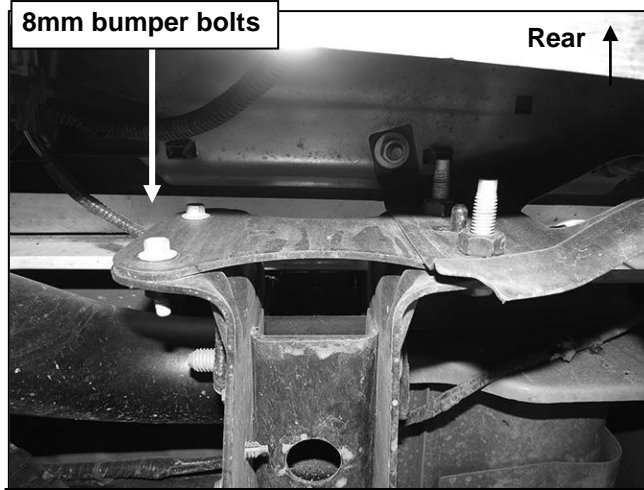

(2) 12mm Hex Bolts
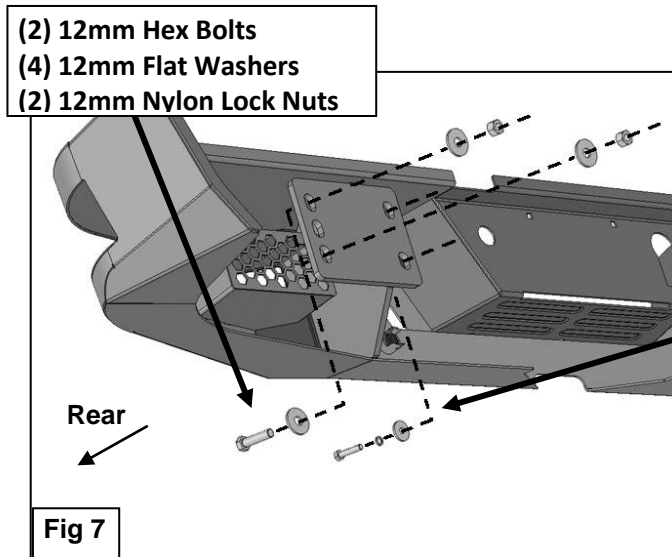**(4) 12mm Flat Washers**
(2) 12mm Nylon Lock Nuts

Rear

(Fig 8) Driver/left side pictured from below

5. Next, line up the (2) inner holes on the passenger side frame bracket to the mounting plate on the Bumper. Select the correct installation.
Models with 8mm hex nuts welded onto the back of the frame bracket:

a. Use (2) 8mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers to attach the passenger side of the Bumper to the frame bracket, **(Figures 4 & 7)**. Repeat this Step to attach the driver side of the Bumper to the frame bracket. Do not fully tighten hardware.

8mm bumper bolts

Rear ↑

(Fig 4) Example of factory bumper bracket with 8mm hex nuts (left) welded onto back of bracket

(2) 12mm Hex Bolts
(4) 12mm Flat Washers
(2) 12mm Nylon Lock Nuts

On inner side of bracket, use:
(2) 12mm Hex Bolts
(4) 12mm Flat Washers
(2) 12mm Nylon Lock Nuts
or
(2) 8mm Hex Bolts
(2) 8mm Lock Washers

Rear

Fig 7

**Models without 8mm welded hex nuts (open holes)**:

b. Use (2) 12mm Hex Bolts, (4) 12mm Flat Washers and (2) 12mm Nylon Lock Nuts to attach the passenger side of the Bumper to the frame bracket. Repeat this Step to attach the driver side of the Bumper to the frame bracket. Leave hardware loose.

c. **NOTE**: On some models/years, the frame bracket may only be equipped with outer mounting holes. Adjust installation accordingly, **(Figure 5)**.
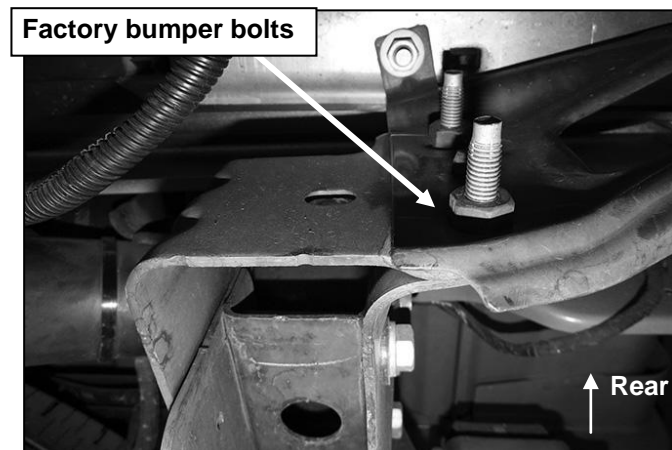
Factory bumper bolts

Rear ↑

**(Fig 5) Example of factory bumper bracket with (2) hex bolts only (right) pictured from below bumper**

6. Level and adjust the HD Bumper and fully tighten all hardware.

7. Snap the plug for the trailer harness into the opening in the HD Bumper. If necessary, use a flat blade screwdriver to carefully pry the metal clips out to grab the edge of the openings in the Bumper. Reattach the wiring harness to the back of the plugs.
8. Select the included (2) push-in plugs to attach the license plate to the Bumper, **(Figure 9)**.

License Plate Light
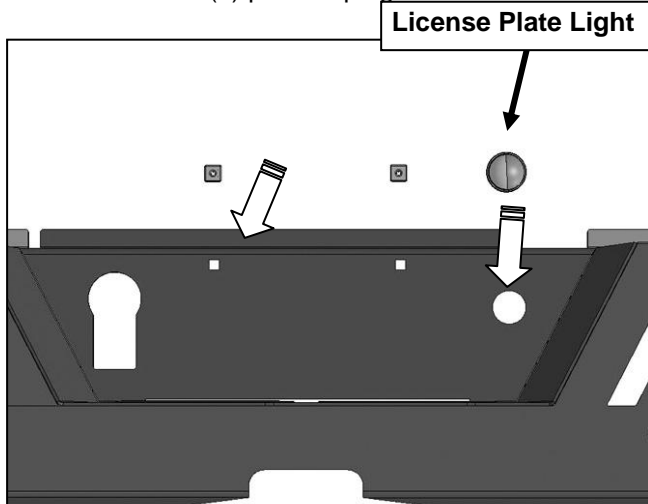
(Fig 9) Push plastic plugs into holes for license plate

9. Select the included snap in Universal License Plate Light. Insert the Light into the mounting hole in the bumper, **(Figure 9)**. Connect the wire harness to the License Plate Light. Tie down all wiring harnesses and seal off any open wiring connection.
10. Remove screens in light housings for more room around lights as needed, **(Figure 9)**.
11. **Models with bumper mounted sensors**:
    a. Remove the rubber plugs from the sockets in the bumper assembly. Push the sensor in from the back of the bumper. Secure each sensor to the socket with (2) 4mm x 10mm Button Head Screws, **(Figure 10)**.
    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.

Remove Plugs
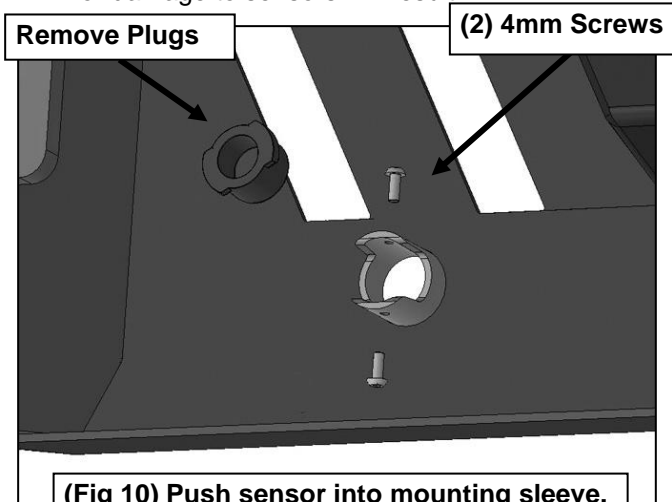
(2) 4mm Screws

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

12. Use the included Wire Ties to secure the wiring harness to the bumper and frame.
13. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

Complete Installation

- 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.
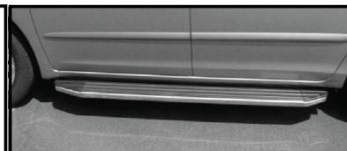
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