



## SAFETY

**Your safety and the safety of others is very important.**

- In order to help you make informed decisions about safety, we have provided installation instructions and other information.
- These instructions alert you to potential hazards that could hurt you or others.
- Please do a job safety analysis (JSA) before each task to identify potential hazards for your situation and remove/protect against them.
- You must use your own good judgment, and take your time.

**Read and understand all safety precautions and instructions before installing this product.**

THIS PRODUCT IS FOR OFFROAD USE ONLY. ALL LIABILITY FOR INSTALLATION AND USE RESTS WITH THE OWNER.

**CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE.**

## Injury hazard

**Failure to observe these instructions could lead to severe injury or death.**

- Always** remove jewelry and wear eye protection.
- Always** use extreme caution when jacking up a vehicle for work. Set emergency brake and use tire blocks. Locate and use the vehicle manufacturers designated lifting points. Use jack stands.
- Always** use appropriate and adequate care in lifting components into place.
- Always** insure components will remain secure during installation and operation.
- Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause serious eye injury.
- Always** use extreme caution when drilling on a vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged.
- Always** use extreme caution when cutting and trimming during fitting.
- Always** tighten all nuts and bolts securely per installation instructions.
- Always** route electrical cables carefully. Avoid moving parts, components that become hot and rough or sharp edges.
- Always** insulate and protect all exposed wiring and electrical terminals.
- Always** perform regular inspections and maintenance on mounts and related hardware.





# Installation Instructions

2010+ Ram Heavy Duty Black Steel Rear Bumper  
Product Number: T2950

## I. Parts List

T2050 RAM HD Rear replacement bumper  
T2050-HW fastener kit  
Tag light  
2 License plate mounting Inserts  
2 Revers lights, mounting grommets, and wire pigtails  
4 Backup sensor grommets and plugs  
Instruction Manual

## II. Tools Required

Standard and Metric Sockets, Wrench, and Extension  
Phillips Screwdriver  
3/32" Allen Key  
#16 Drill Bit (.1770")  
Floor Jack and wood block.

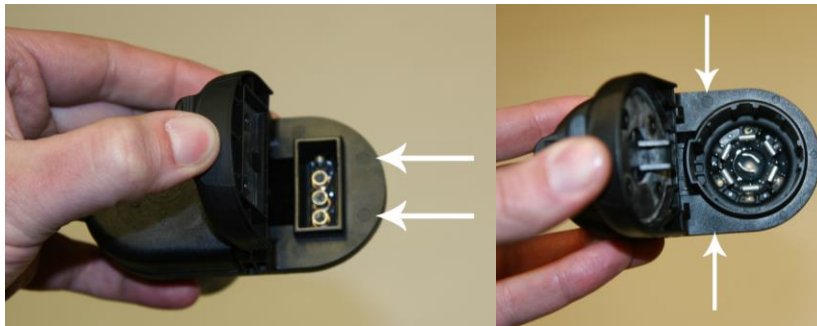
## III. Vehicle Preparation

1. Disconnect the Trailer and Back-Up (If Present) Sensor Harnesses from the bumper.
2. Unplug the OEM License Plate Light from the housing and secure to the vehicle.
3. Remove license plate (to reveal two mounting bolts).
4. Remove the two mounting bolts exposed by the License Plate.
5. Remove the two bolts(per side) holding the bumper to the Frame/Hitch assembly
6. Remove the OEM Bumper by Rotating Backwards. The top must clear the boss located on the hitch under the plastic cover.
7. Remove the clips holding the Trailer Hitch Plug from the bumper. This plug will be modified to fit the new bumper.



## IV. Installation

1. Replace the OEM bumper with the Black Steel rear bumper assembly. Use the six provided ½" x 1.5" bolts to fasten the bumper to the hitch/frame brackets. Use the two provided ½" x 2.5" bolts to fasten the bumper to the hitch near the receiver. Verify that the bumper is level side to side before tightening.
2. Slowly lower the tailgate to ensure there will be no interference. If required, loosen the frame bolts / hitch bolts and adjust alignment of the bumper.
3. Install the tag light into the 1 ¼" hole in the center section. The powder coating may need to be removed from the hole for proper grounding. Connect the light to the hot wire of the OEM tag light circuit. Verify operation.
4. Install license plate inserts in 4 provided locations.
5. Drill The OEM Trailer Hitch Plug using a #16 Dill Bit (.177") in the locations pointed out with arrows below. Use care to drill directly in the center of the circles in the plastic.



**Figure 1 - Drilling locations**

6. Install the Trailer Plug into the Cutout in the new bumper using the #8 Hardware Supplied. Reconnect the trailer plug harness.
7. Re-install the license plate using the plastic inserts provided.
8. Install grommets into sensor holes. If equipped, insert the sensors from the back side. If not equipped, install provided plugs into the grommets.
9. Insert light grommets into oval cut-outs and press lights in from the front. Wire as desired.
10. Secure all loose wiring and harnesses to the frame or bumper with zip ties.

## V. Maintenance/Care

- Periodically check and tighten all fasteners.
- Stripped, fractured, or bent bolts or nuts need to be replaced.



More than expected... Better than expected