

# **2009-2013 DodgeRear Bumpers**

*2009-2013 Dodge 1500/2500/3500 (w/backup sensors)*

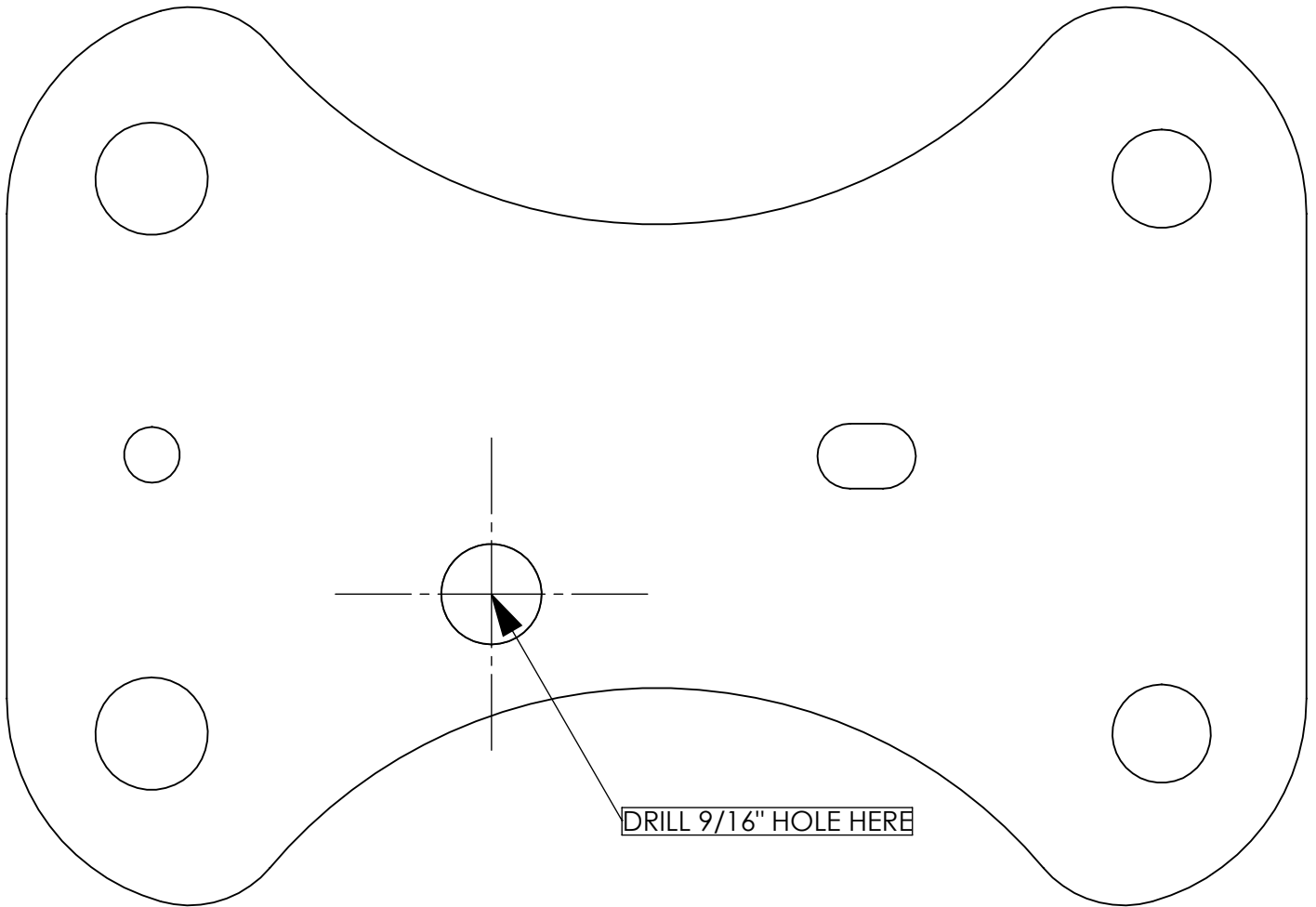
**RBM30/73DGN**  
**3/19/14**

- STEP 1.** Supplemental Instructions for factory Dodge-Bosh Backup sensor removal and installation.
- STEP 2.** Begin by unplugging the backup sensor wiring harness from the sensor before removing the stock bumper. Taking care not to damage the sensor or the plug, use a small flat screwdriver or equivalent to gently lift up on the tabs attaching the harness to the backside of the sensor and unplug the harness. Repeat for all four backup sensors.
- STEP 3.** After you the stock bumper (following instructions on the previous page) remove the backup sensor from the plastic bezel retaining the sensor within the stock bumper. Again using a small screwdriver or equivalent gently pry up on the retaining tabs holding the sensor in place and remove sensor from the bezel. ***Take care not to damage the sensor during removal and keep track of the sensors location as you remove them from the stock bumper. You will need to put them into the same locations within the new Magnum bumper.***
- STEP 4.** Next using a small piece of sand paper (100-grit) or a flat file, you will need to remove the three small plastic tabs on the outside of each sensor that were used to secure the sensor into the plastic bezel in the stock bumper. The tabs are very small and do not require a great deal of effort to remove them.
- STEP 5.** After you have removed the tabs from all four sensors, install them into the Magnum bumper. Align the plug on the sensor with the notch on the sensor bung on the Magnum bumper. Insert the sensor into the bung. Sensor should slide in and fit snug, Do not force it into the slot. If the sensor will not slide in easily, apply a small amount of lubricant to the outside of the sensor and re-install.
- STEP 6.** Although the sensor should fit snugly in the bumper, we recommended applying a small amount of silicone/RTV (not supplied) to the back side of the sensor to ensure that it remains securely in place.
- STEP 7.** Next, reconnect the wiring harness to the sensors and secure wiring. With the vehicle idling and the emergency brake engaged, put the vehicle into reverse and verify proper operation of the sensors. The GM backup sensors are extremely sensitive and may require recalibration after installation, check the owner's manual for instructions on how to reset the sensors. In some cases the sensors may need to be reset by your local GM Dealership.

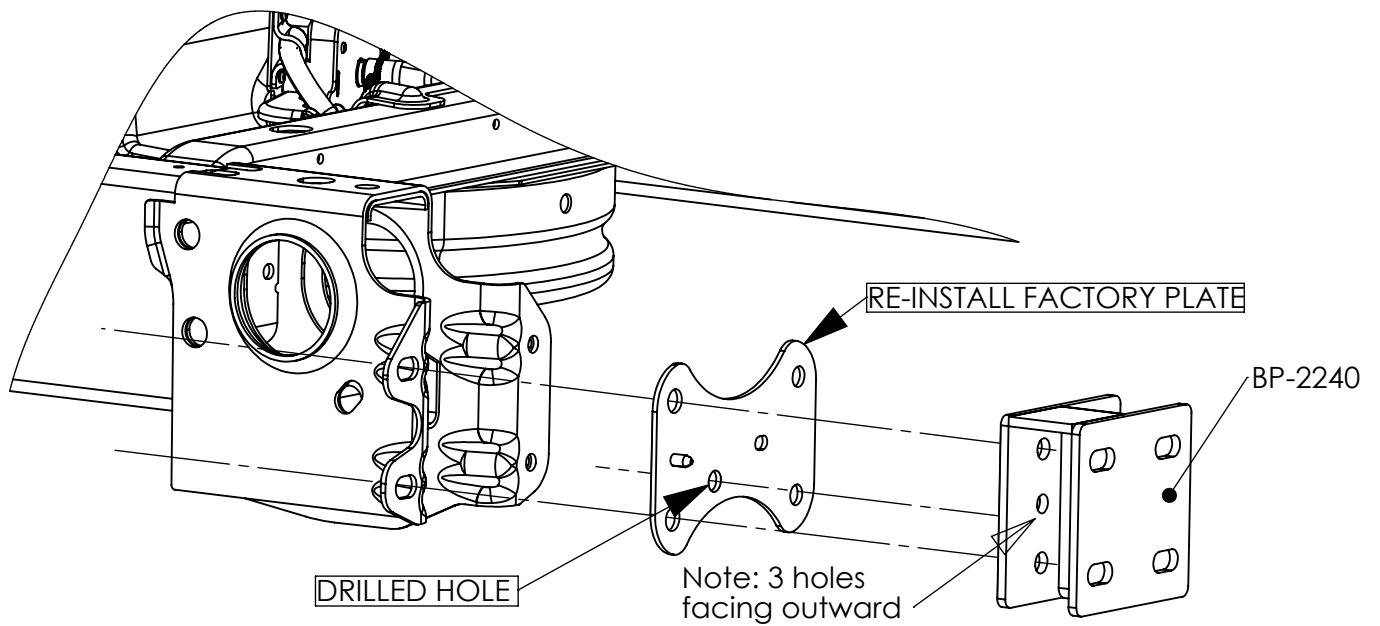
***Any product or installation questions  
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# DRIVERS SIDE BRACKET PART



## DRIVERS SIDE SHOWN



After installed, continue original installation instructions.

# HEAVY DUTY BUMPER INSTALLATION RBM73DGN

Page 1 of 2

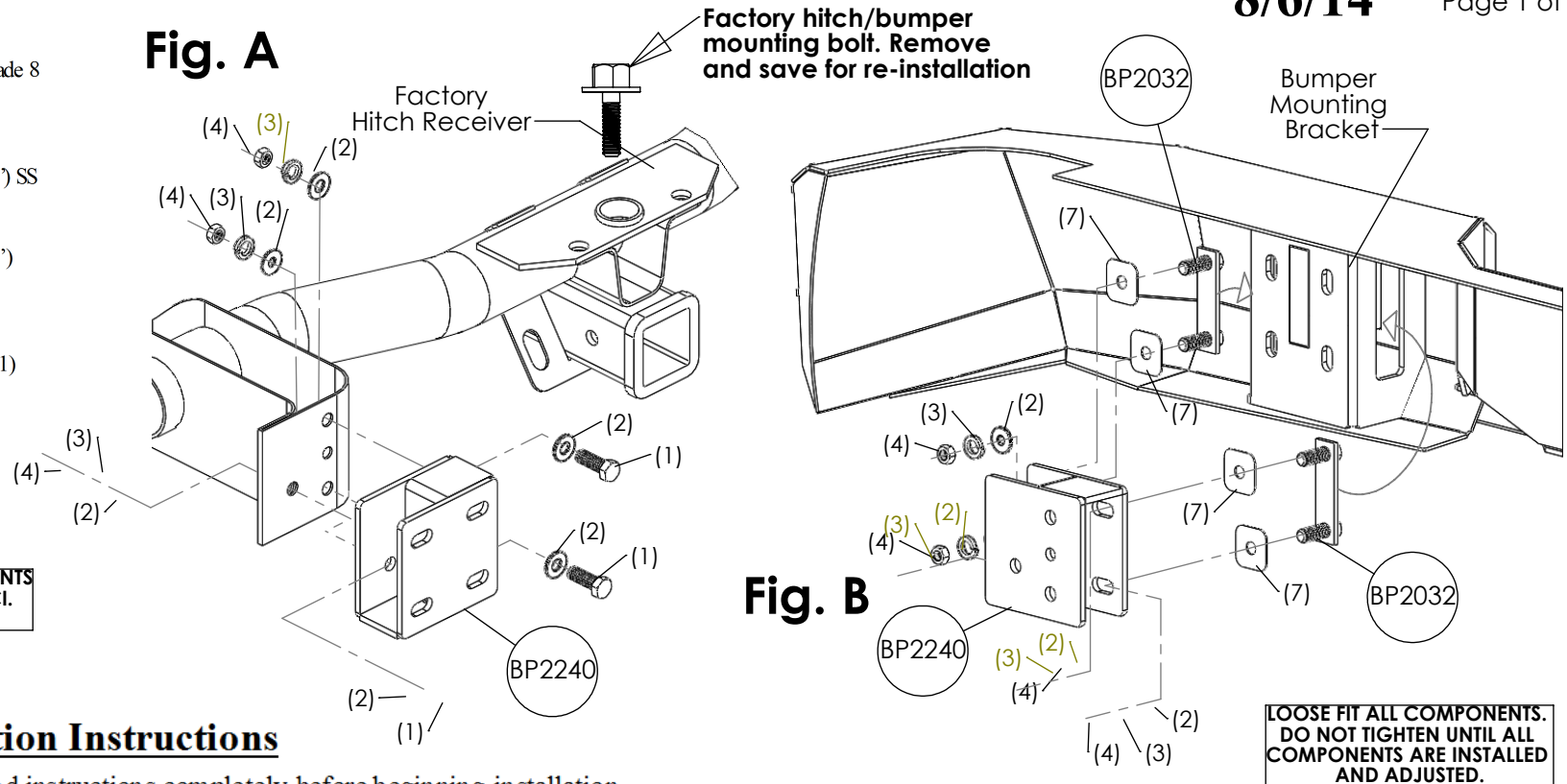
### Hardware Kit Includes:

- (1) 6 – Hex head bolts (1/2"–13 x 1 1/2") Grade 8
- (2) 22 – Flat washers (1/2")
- (3) 16 – Lock washers (1/2")
- (4) 16 – Hex head nuts (1/2"–13) Grade 8
- (5) 2 – Allen/Button head bolts (1/2"–13 x 2") SS
- (6) 2 – Flat washers (1/2") SS
- (7) 8 – Plastic push nuts (1/2")
- (8) 2 – Allen/Button head bolts (#8–32 x 3/4")
- (9) 2 – Flat washers (#8)
- (10) 2 – Nylon lock nuts (#8–32)
- (11) 4 – Plastic license plate nuts
- (12) 1 – 2 1/4" Plastic domed cap (Heyco#2411)

### Components List:

- (1) 1 – Heavy Duty Rear Bumper
- (2) 1 – Universal License Plate Light
- (3) 2 – Mounting brackets (BP2240)
- (4) 4 – T-bolts (BP2032)

**DISCLAIMER: USE ONLY COMPONENTS  
AND HARDWARE SUPPLIED BY ICI.  
NO SUBSTITUTIONS.**



## Step by Step Installation Instructions

- STEP 1:** Read and understand instructions completely before beginning installation.

**STEP 2:** Remove license plate (to reveal two mounting bolts). Disconnect the trailer plug harness and the license plate light harness and set aside.

**STEP 3:** Remove factory bumper fasteners and factory bumper by removing bolts from each side of the factory hitch supports. ***Note: make sure to support bumper BEFORE removing bolts. ( Remove the center hitch/bumper bolt from the middle drop step mounting point if so equipped).***

**STEP 4:** Remove and layout all components from their packaging and lay out on a blanket or piece of cardboard (to prevent damage to the powder coating).

**STEP 5:** Install plastic license plate nuts in location shown on rear bumper (Fig. C).

**STEP 6:** Insert T-bolts #BP2032 inside bumper mounting bracket and secure using plastic push nuts (7) as shown (Fig. B). Line up and loosely attach mounting brackets #BP2240 to factory hitch supports where factory bumper was previously attached using hex head bolts (1), flat (2) lock washers (3) and hex head nuts (4) as shown (Fig. A).

**STEP 7:** Detach trailer plug from factory bumper and carefully drill 3/16" holes through upper plastic perimeter of plug plate as shown (Fig. D). Install trailer plug plate into cutout in new bumper using small allen/button head bolts (8) flat washers (9) and nylon lock nuts (10) as shown (Fig. E).

**STEP 8:** Carefully install bumper with secured T-bolts to the installed brackets on vehicle (it may be helpful to support bumper with floor jacks during install). Bolt bumper assembly to the installed brackets using hex head nuts (4), lock (3) and flat (2) washers as shown (Fig. B).

# HEAVY DUTY BUMPER INSTALLATION

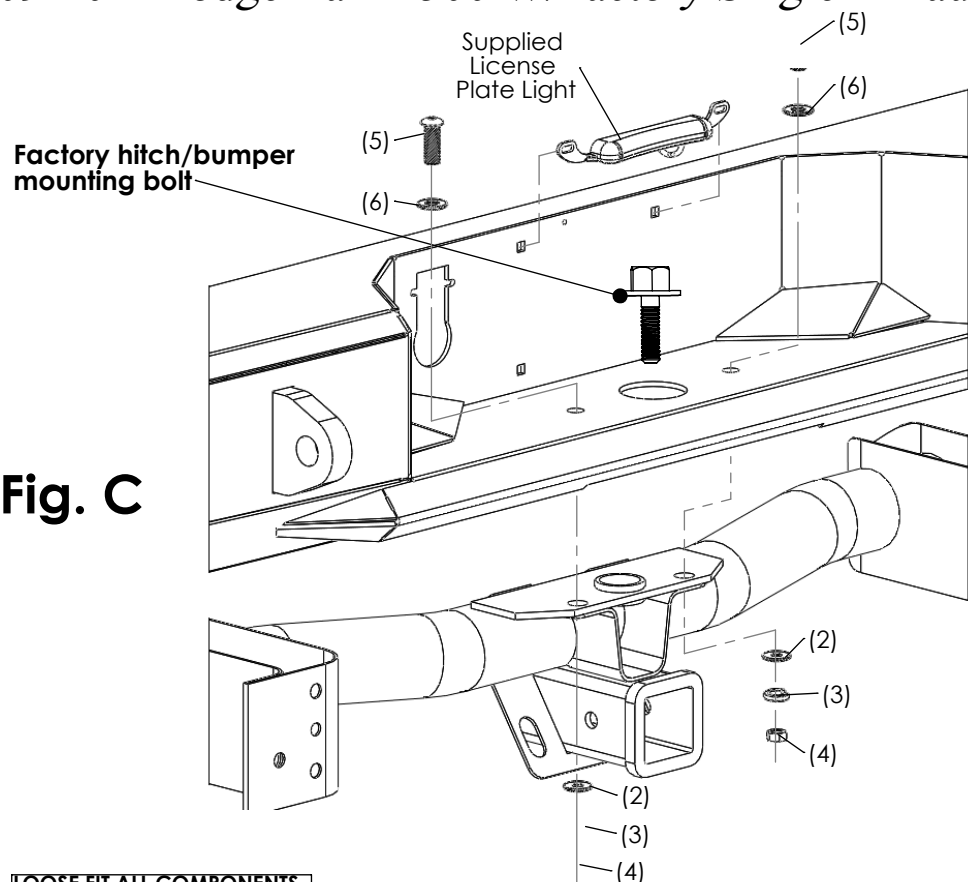
2009-2014 Dodge Ram 1500 W/Factory Single Exhaust

# RBM73DGN

8/6/14

Page 2 of 2

Fig. C



LOOSE FIT ALL COMPONENTS.  
DO NOT TIGHTEN UNTIL ALL  
COMPONENTS ARE INSTALLED  
AND ADJUSTED.

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Fig. D

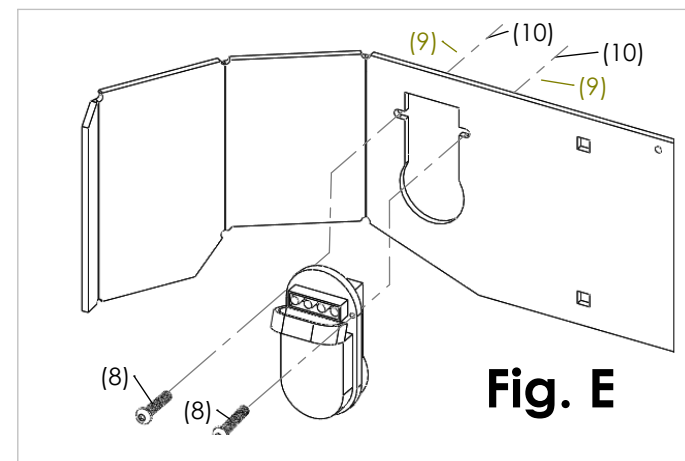
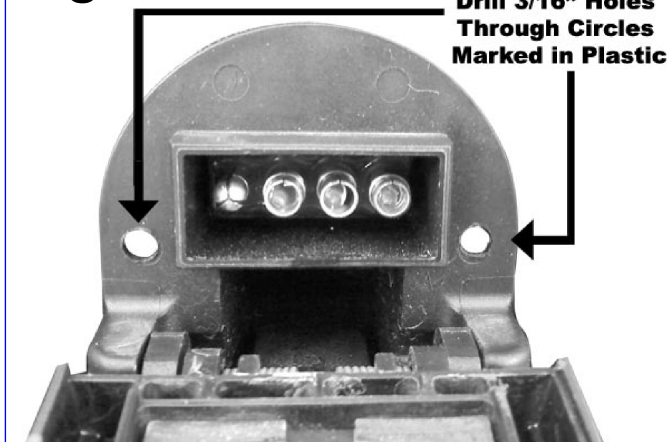


Fig. E

## Step by Step Installation Instructions (CONTINUED)

- STEP 9:** Secure bumper to factory hitch using stainless allen/button head bolts (5), stainless flat washers (6), regular flat washers (2), lock washers (3), and hex head nuts (4) through factory holes on hitch receiver plate as shown (Fig. C). Re-install factory hitch/bumper bolt and torque to factory specs. If your truck is not equipped with center factory hitch/bumper bolt, use the 2 1/4" domed plastic cap supplied in the hardware kit to cover center hole in the Magnum Bumper step plate.
- STEP 10:** Install license plate light to plastic inserts in bumper using factory screws. Note: license plate light should be installed over the top of the license plate. Use supplied connectors to tap into one of the license plate light harnesses to supply power to new license plate light. **NOTE:** On some 2013 and later trucks it may be necessary to install a 25 ohm-load resistor (not included) in line with the LED plate light to eliminate a "light out" warning on the vehicle information cluster on the dash.
- STEP 11:** Check fit and alignment.
- Adjust the bumper to your satisfaction and snug up all fasteners. Open tailgate and check clearance between it and the bumper, re-adjust bumper if necessary. Then beginning with frame mounts fully tighten all mounting hardware and torque to spec. Torque the 1/2"-13 hex head bolts to 75 ft/lbs.
  - Attach and plug in trailer plug and harness, secure wires to frame rail or inner bumper brackets.
  - Recheck all mounting hardware and verify that it is secure and that all electrical items are functioning properly. You have now completed the installation.
  - Re-torque all mounting hardware after 50-100 miles and then periodically to ensure the safety and longevity of your Magnum Bumper.

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# **Ram 1500/2500/3500 Pickups 2012-2014 With HD Hitch option**

## **RBM29/30/73DGN Rear Bumpers**

*If vehicle came equipped with the HD receiver hitch option, you must remove the two factory step plate studs prior to install*



*Use cut off wheel or equivalent to remove.  
Apply a small amount of spray paint to bare  
metal after removing studs to prevent rusting*

