

# INSTALLATION INSTRUCTIONS

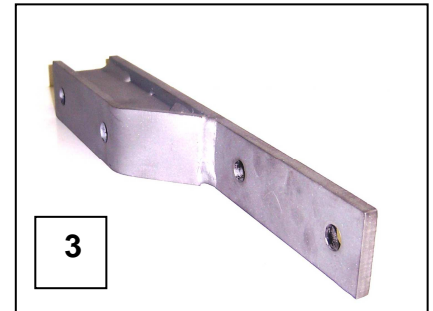
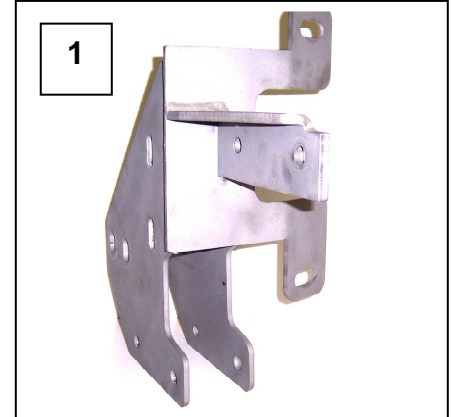
## Winch Bumper #23219 MB-MPS

**2010-2011 Dodge Ram HD 2500, 3500 P/U 2/4WD Gasoline & Diesel**

**Do not attempt to install this product on any vehicle other than the one listed above!**

### Parts List

Item	Qty.	Part #	Description	Torque
1	1	534240BA	Driver Side Frame Bracket	
2	1		Passenger Side Frame Bracket	
3	1	534240CA	Driver Side Lower Extension Bracket	
4	1		Passenger Side Lower Extension Bracket	
5	2	534243EA	Upper Extension Bracket	
6	1	434240GA	Winch Bumper	
7	1	534240FA	Driver Side Brush Guard	
8	1		Passenger Side Brush Guard	
9	1	5312361	License Plate Bracket	
10	2		1/4 x 1" Hex Head Bolt	9 Ft. Lbs.
11	2		1/4" Flat Washer	
12	2		1/4" Lock Nut	9 Ft. Lbs.
13	2		3/8" x 1" Hex Head Bolt	30 Ft. Lbs.
14	2		3/8" Flat Washer	
15	2		3/8" Nylon Lock Nut	30 Ft. Lbs.
16	12		1/2 x 1 1/2" Hex Head Bolt	65 Ft. Lbs.
17	4		1/2 x 3 1/2" Hex Head Bolt	65 Ft. Lbs.
18	32		1/2" Flat Washer	
19	16		1/2" Nylon Lock Hex Nut	65 Ft. Lbs.
20	6		3/8 x 1 1/4" Button Head	30 Ft. Lbs.



#### **Tool Required:**

10mm, 13mm, 18mm, 24mm & 3/4" Sockets  
 24mm & 3/4" Wrench  
 Utility Knife  
 Slotted Blade Screw Driver  
 Ratchet & Ratchet Extension

**Approximate installation time: 90 min**

#### **Installation Notes**

Read the installation instructions completely and verify that all of the parts listed are accounted for. If you have defective, missing or damaged parts or need assistance, please contact *Go Rhino Products* for fast, friendly customer service at: 1-888-427-4466 or email: [warranty@gorhino.com](mailto:warranty@gorhino.com)

It is the customer's responsibility to protect the finish with a regular application of a nonabrasive polish compatible with the products finish.

**The installation requires permanent removal or cutting an opening in each side of the lower bumper valance to allow the lower extension brackets to pass through.**

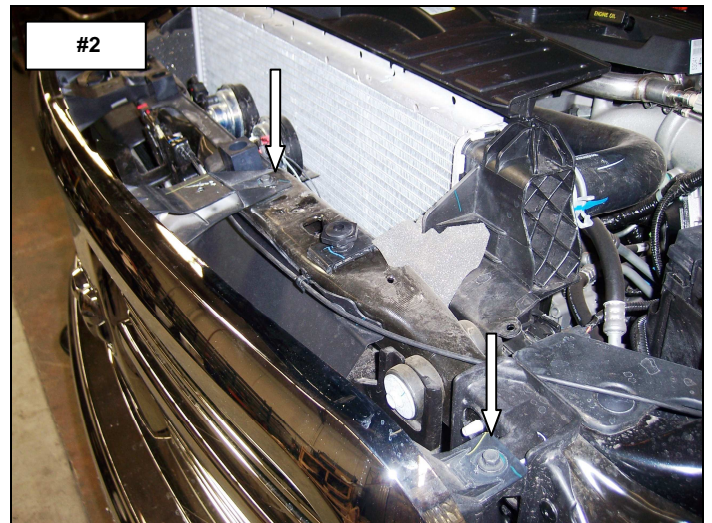
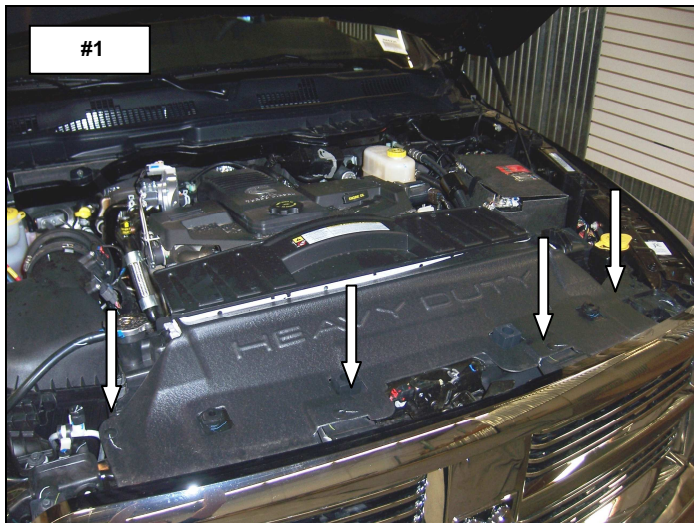
To cut an opening, begin with the driver side and measure outward from the center of the bumper valance 18 5/8" and mark the area outlined (2 3/4" wide by the height of the indentation in the valance) to be cut out. Use a utility knife or other cutting tool to make the cut out. Measure and cut the opening in the passenger side of the bumper valance.



### Front Bumper Removal

**Step-1** Open the hood and remove the (4) plastic push in connectors securing the radiator dust cover to the radiator support using the tip of a screw driver. **Picture #1** Remove the dust cover from the vehicle.

**Step-2** Remove the (4) screws securing the top of the grille to the radiator support using a 10mm socket and ratchet. **Picture #2** Slightly rotate the top of the grille forward, then gently pull straight out on the lower section to unsnap the (2) lower clips. Remove the grille from the vehicle.



**If the vehicle has these options or equipment**

#### Diesel Engine

Remove the bolts (1) per side securing the top of the intercooler to the radiator support using a 13mm socket and ratchet.

**Picture #3**

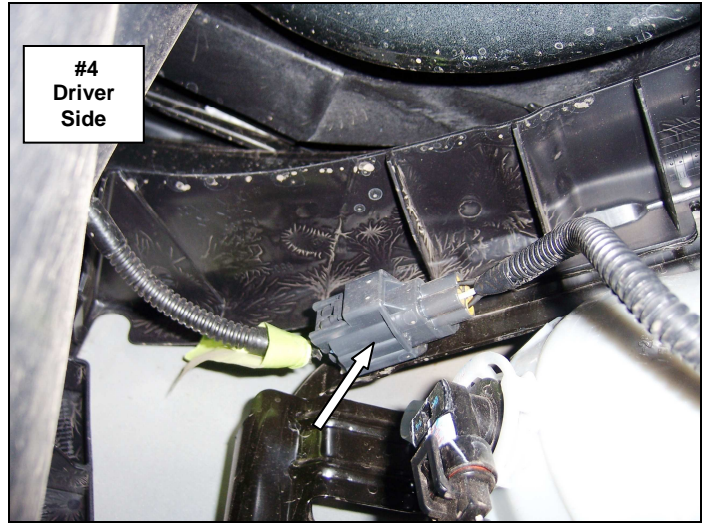
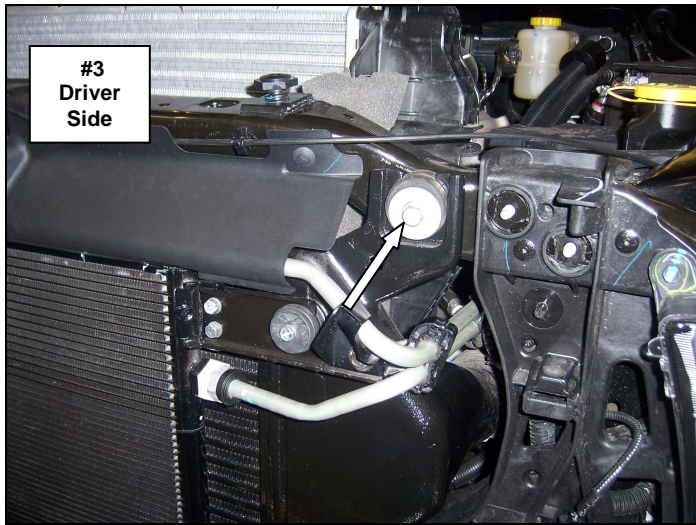
#### Fog Lights

Disconnect the fog light wiring harness on the driver side of the factory bumper. **Picture #4**

#### Engine Block Heater

Remove the fasteners securing the power cord to the passenger side of the factory bumper. **Not Shown**





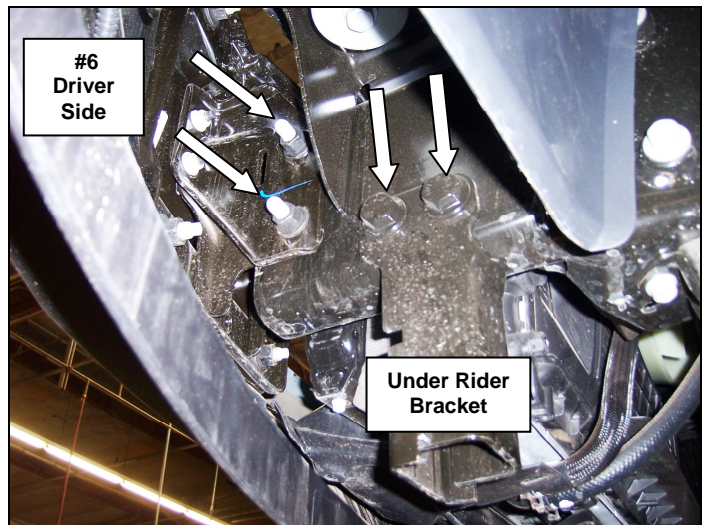
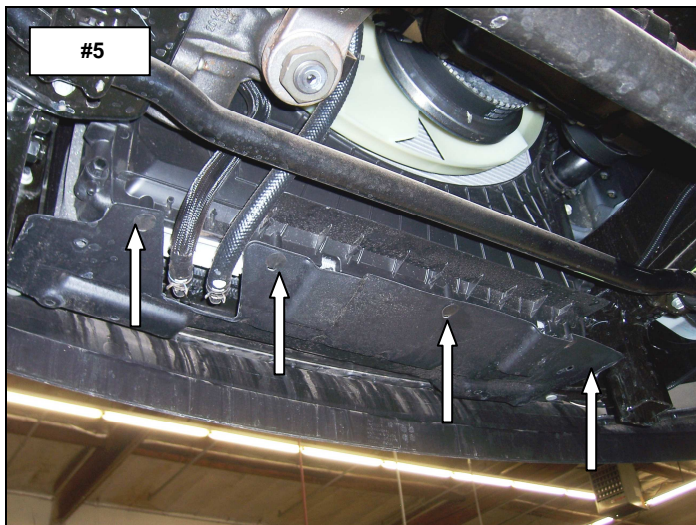
**Step-3** Remove the (4) plastic push in connectors securing the splash shield to the bottom of the radiator using the tip of a screw driver. **Picture #5** Leave the splash shield attached to the factory bumper.

**Step-4** Remove the nuts and bolts (2) per side securing the under rider brackets to the frame using a 24mm wrench, socket and ratchet. **Picture #6**

**Step-5** Remove the nuts (2) per side and paired bolts securing the bumper brackets to the frame using a 18mm socket and ratchet. **Picture #6** Remove the bumper from the vehicle and set it aside.

**Note:** Diesel engine models will require slightly lifting the intercooler and move it to one side at a time to remove the paired bolts.

Retain the under rider bracket nuts and bolts, and the bumper bracket nuts and paired bolts.



### Installation

**Step-1** Install the driver's side frame bracket by positioning the bracket over the frame, align the holes and secure the bracket to the frame using the factory paired bolts and nuts, and the under rider bracket bolts and nuts.

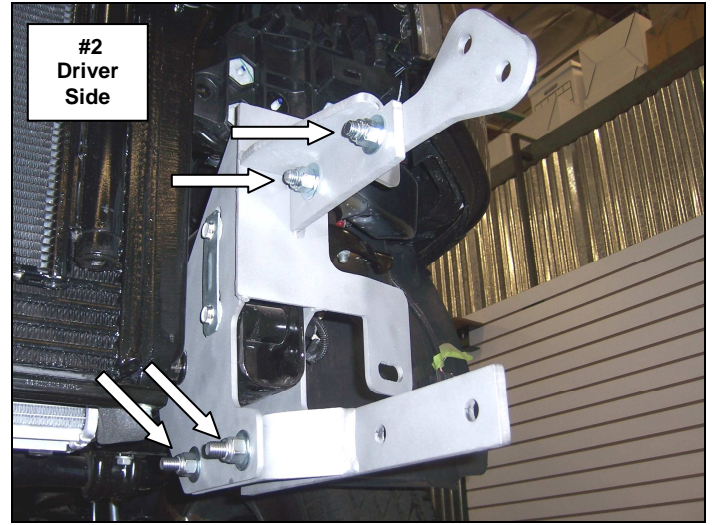
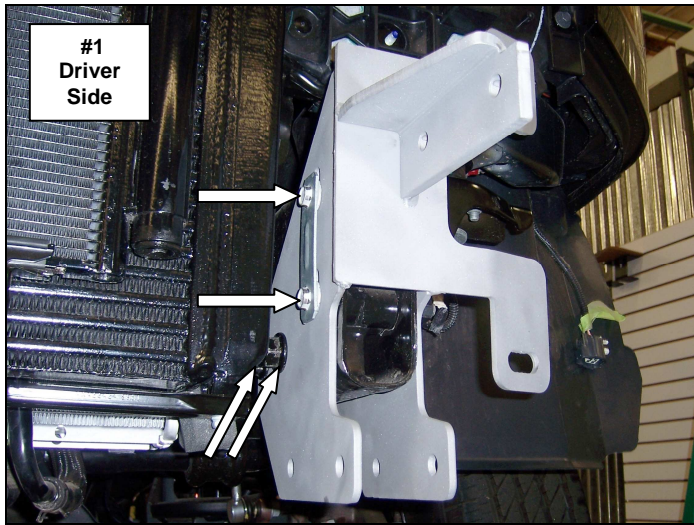
**Picture #1** Leave the nuts and bolts loose for final adjustment.

**Note:** Diesel engine models will require slightly lifting the intercooler and move it to one side at a time to install the paired bolts.



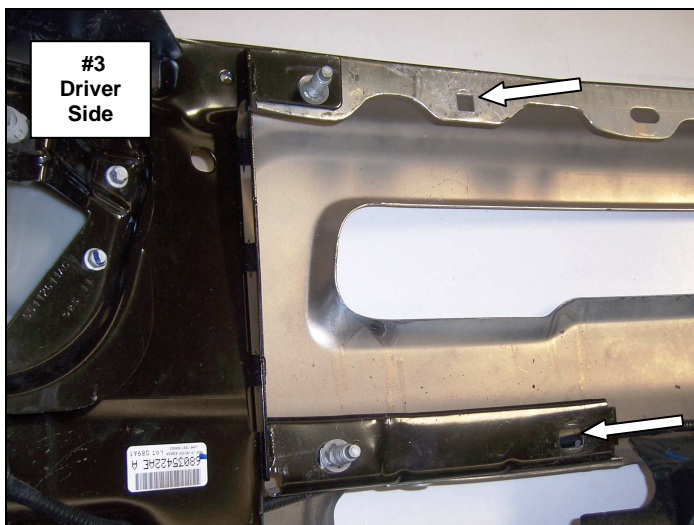
**Step-2** Align the holes and secure the driver side lower extension bracket to the frame bracket using (2) 1/2" x 3 1/2" hex bolts, (2) 1/2" flat washers and (2) 1/2" lock nuts. Align the holes and secure the upper extension bracket to the frame bracket using (2) 1/2" x 1 1/2" hex bolts, (2) 1/2" flat washers and (2) 1/2" lock nuts. Leave the nuts and bolt loose for final adjustment. **Picture #2**

Repeat the above steps to install the passenger side brackets.



**Step-3** Remove the nuts (4) per side, the bumper brackets and the inner bolts (2) per side from the front bumper. Retain the nuts to reattach the front bumper; the bumper brackets will not be reinstalled. **Picture #3**

**Step-4** With assistance, lift the front bumper into position, the upper and lower extension brackets will protrude through the opening in the bumper and the lower valance. **Picture #4**

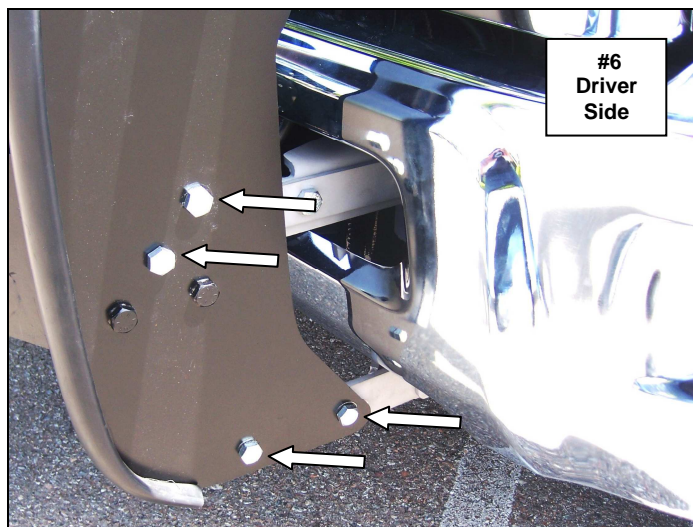
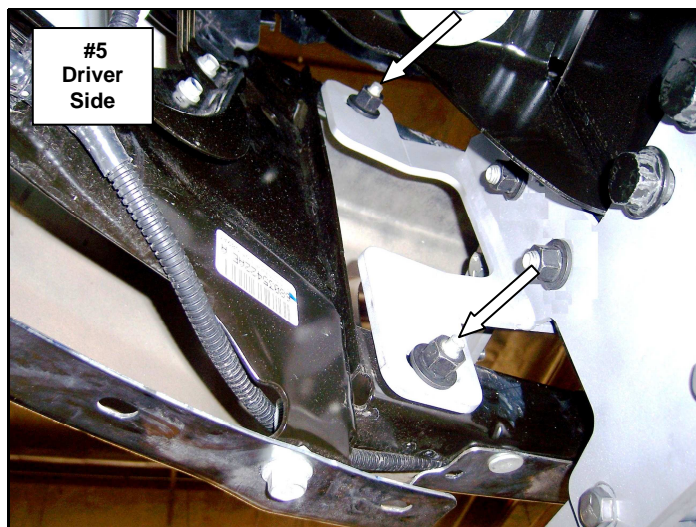


**Step-5** Align the bumper bolts with the holes in the frame brackets and secure the bumper to the brackets using the factory nuts. **Picture #5** Leave the nuts loose for final adjustment.

**Step-6** Reinstall the intercooler, grille and radiator dust cover using the factory fasteners, and reconnect the fog light wiring.



**Step-7** With assistance, position the grille guard to the outside of the extension brackets align the holes and secure the grille guard to the brackets using the included  $\frac{1}{2}$ " x  $1\frac{1}{2}$ " hex bolts,  $\frac{1}{2}$ " flat washers and  $\frac{1}{2}$ " lock nuts. **Picture #6** Leave the nuts and bolts loose for final adjustment.



**Step-8** Position the driver side brush guard up to the grille guard side plate, align the holes and secure the bottom of the brush guard to the side plate using (1)  $\frac{3}{8}$ " x  $1\frac{1}{4}$ " hex bolt and (1)  $\frac{3}{8}$ " lock washer. Align the holes and secure the top of the brush guard to the side plate using (2)  $\frac{3}{8}$ " x  $1\frac{1}{4}$ " hex bolts, (2)  $\frac{3}{8}$ " flat washers and (2)  $\frac{3}{8}$ " lock nuts. **Picture #7**

**Step-9** Align the front bumper and winch guard assembly with the vehicle and tighten all nuts and bolts. Remember to check and retighten the hardware periodically. **Picture #9**

**Step-10** If your state requires a front license plate, secure the license plate bracket to the bottom of the winch mount plate using (2)  $\frac{3}{8}$ " x  $1\frac{1}{4}$ " hex head bolts, (2)  $\frac{3}{8}$ " flat washers and (2)  $\frac{3}{8}$ " lock nuts. Attach license plate to the bracket using (2)  $\frac{1}{4}$ " x 1" hex head bolts, (2)  $\frac{1}{4}$ " flat washers and (2)  $\frac{1}{4}$ " lock nuts. **Picture #9**  
Note: The license plate bracket must be installed prior to installing the winch.

