

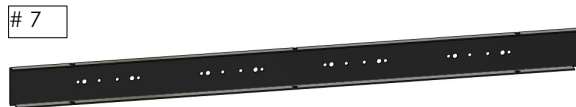
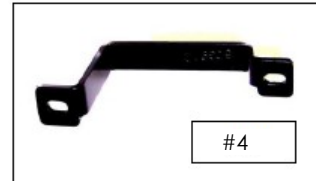
Installation Instructions

Road Defender Push Bumper Part # 5039-4L71

2013-2015 Ford Sedan Police Interceptor

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

Parts List				
Item	QTY	Code	Description	Max Torque
1	1 pc	50394L71	Push Bumper Body	
2	1 set	503921A-22A	Main bracket	
3	2 pcs	503925	Main bracket spacer	
4	1 set	503911-12	Clamp bracket	
5	1 set	503931-32	Upper extension bracket	
6	1 set	503951-52	Lower extension bracket	
7	1 pc		Rear channel light bar	
8	8 pcs		8-32 x 1" hex flange bolt	
9	6 pcs		10-32 x 1/2" button head bolt	
10	8 pcs		Nylon spacers	
11	2 pcs		1/2" Bolt plate	
12	2 pcs		1/2" Lock washer	
13	2 pcs		1/2" Hex nut	65 Lb Ft
14	1 pc		1/2" wire bolt guide	
15	16 pcs		3/8 x 1" hex bolt	
16	4 pcs		3/8 x 1" carriage head bolt	
17	20 pcs		3/8" Lock washer	
18	20 pcs		3/8" Hex nut	30 Lb Ft



Tool Required:

1/8" Allen wrench
 5,5mm, 8mm, 10mm , 1/4", 9/16" & 3/4" Socket
 9/16" Wrench
 Philips & Slotted Blade Screw Driver
 Ratchet & Ratchet Extension
 Jig Saw or Dremel Tool
 Tape Rule

Approximated installation time: 45 min.

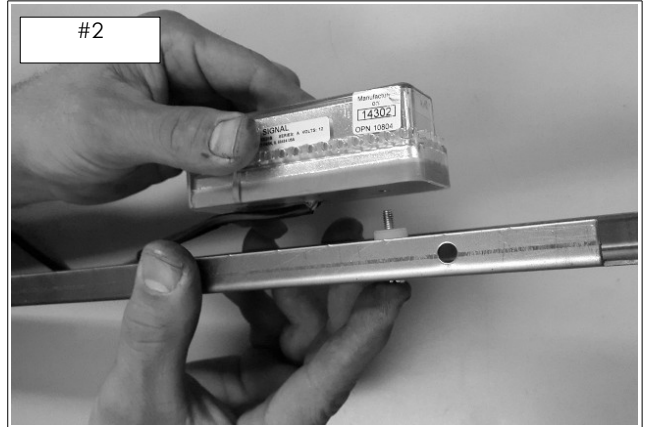
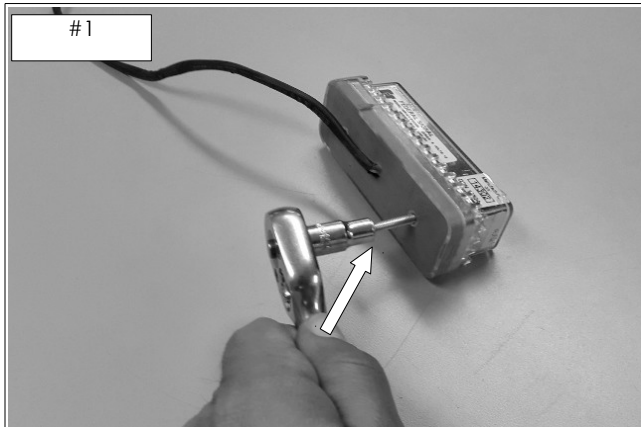
Read the installation instructions completely and verify that all of the parts listed are accounted for. If you have defective, missing or damaged parts or need assistance, please contact *Go Rhino Products* for fast, friendly customer service at: 1-888-427-4466 or email: warranty@gorhino.com

To maintain and care this product keep it clean and do not use abrasive cleaners or polish waxes. It is recommended to use only non-abrasive automotive wax such as pure carnauba to avoid scratches and rust.

Light Bar Assembly

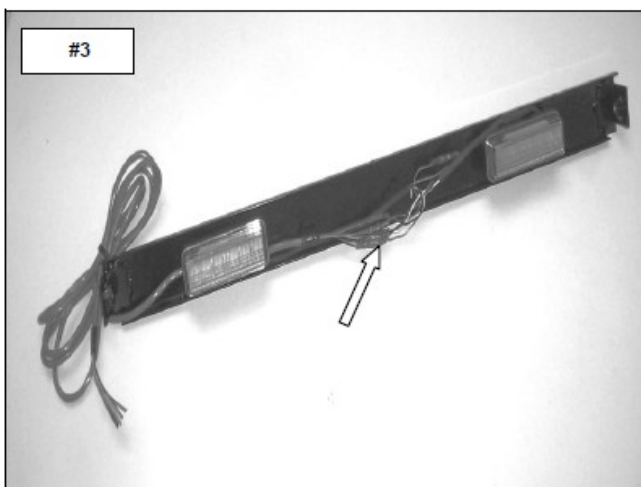
1.- To facilitate the installation thread the light holes using the screw #8-32 previously to assemble. **Picture #1.**

2.- Assemble and secure each of the lights to the light bar rear channel using (2) #8-32 X 1" hex head screws and nylon spacers. **Picture #2.** Align the light and tighten.



2. Refer to the installation and maintenance manual included with the lights to wire and configure the flash pattern. **Note:** Leave several feet of connector cable for connection to the light controller. **Picture #3.**

3. Feed the connector cable through the hole in the front bar channel and side panel until the hole in the push bumper center plate. Use the bolt guide attached to the side plate. **Picture #4**



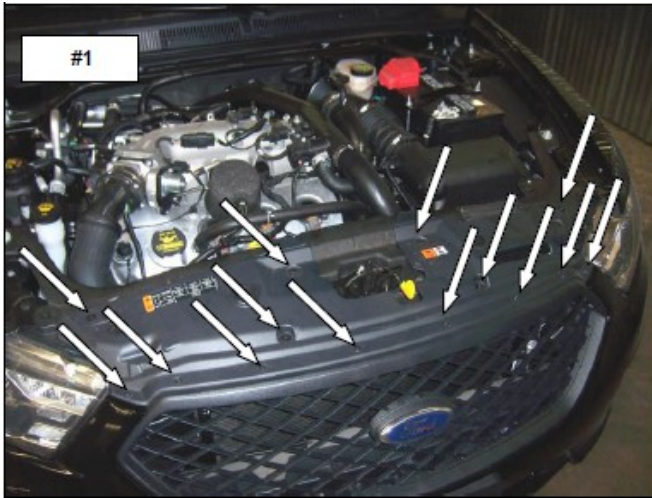
4. Secure the light bar rear channel to the light bar front channel using 10-32 x 1/2" button head screws. **Picture #5**
5. Align the lights in the front channel openings and tighten the screws.



Front Bumper Fascia Removal

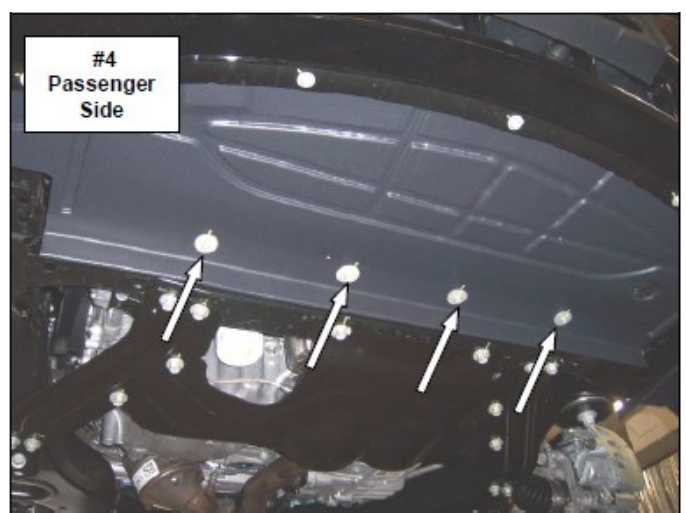
1. Open the hood, locate and remove the (8) Phillips screws, (4) 10mm head screws and (2) plastic fasteners securing the radiator cover and bumper fascia to the radiator support. **Picture #1** Remove the radiator cover from the vehicle.

2. On each side, remove (1) Phillips screw, (2) 5.5mm head screws and (2) 10mm head screws attaching the fender liner to the fascia. **Picture #2**



3. Pull back the fender liner and remove the Phillips screw and plastic fastener attaching the fascia to the fender. **Picture #3**

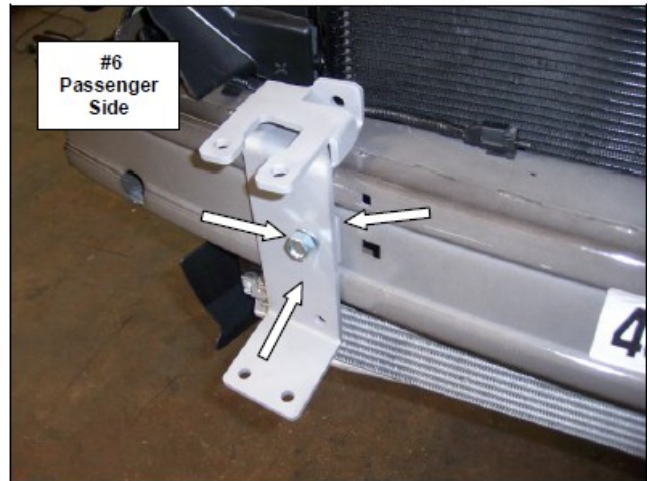
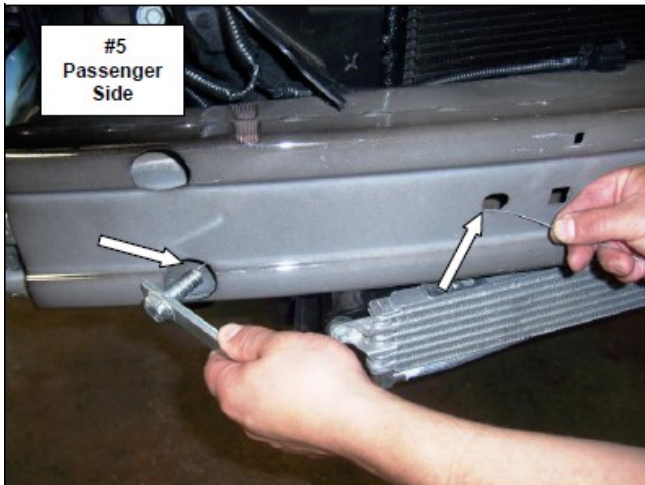
4. Remove the (4) 8mm head screws attaching the rear of the splash shield to the radiator support. **Picture #4**



5. With assistance pull out on the sides to release the corners of the bumper fascia and forward to remove it from the vehicle.

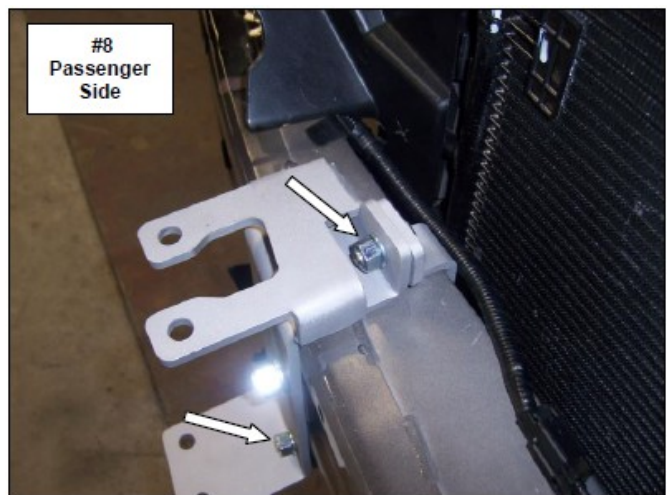
Push Bumper Installation

1. Beginning with the passenger side, install (1) 1/2" bolt plate in the outer hole in the face of the steel impact beam using the supplied wire guide. **Picture #5**
2. Position (1) spacer plate and the passenger side main bracket over the bolt plate, and secure the spacer plate and main bracket to the impact beam using (1) 1/2" lock washer and (1) 1/2" hex nut. Leave the nut loose for final adjustment. **Picture #6.** Repeat the above steps for the driver side.

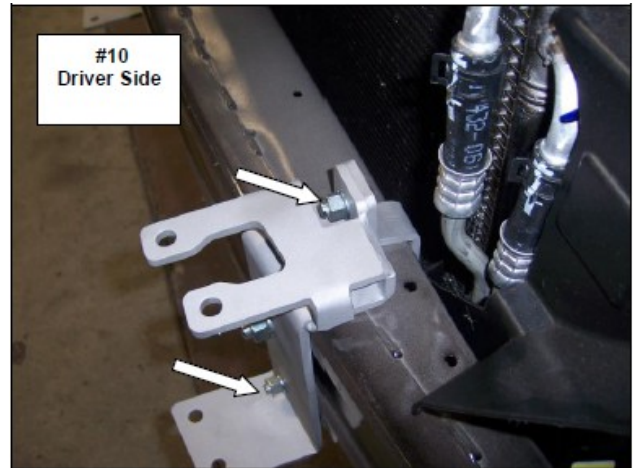
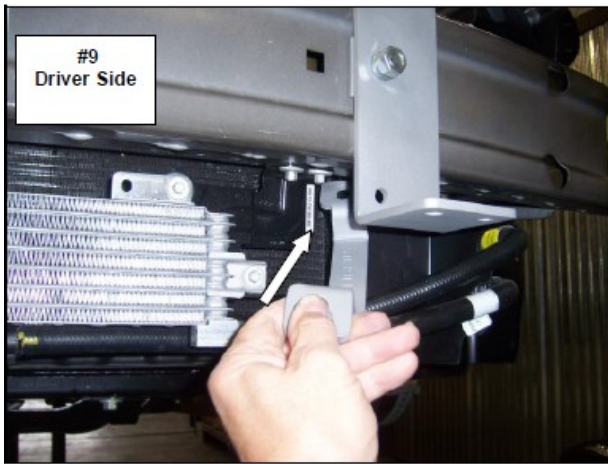


3. Insert the top of the passenger side clamp bracket through the gap between the impact beam and auxiliary cooler, and then rotate the bracket into position. Slide the bracket to the left and align the holes in the clamp bracket with the main bracket. Secure the clamp bracket to the main bracket using (2) 3/8" x 1" carriage bolts, (2) 3/8" lock washers and (2) 3/8" hex nuts. **Picture #7 & #8** Leave the nuts and bolts loose for final adjustment.

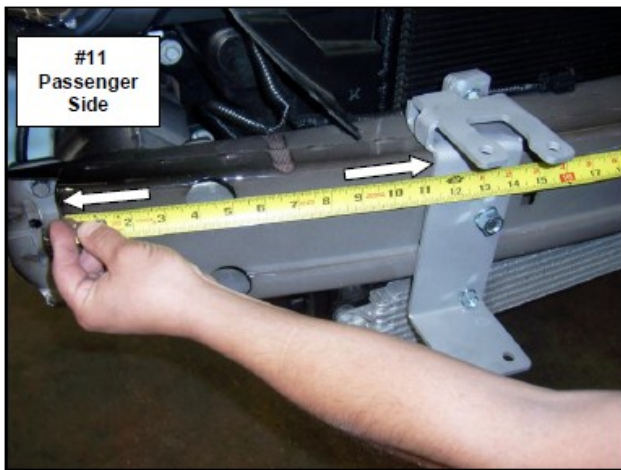
Note: Position the wiring harness behind the clamp bracket.



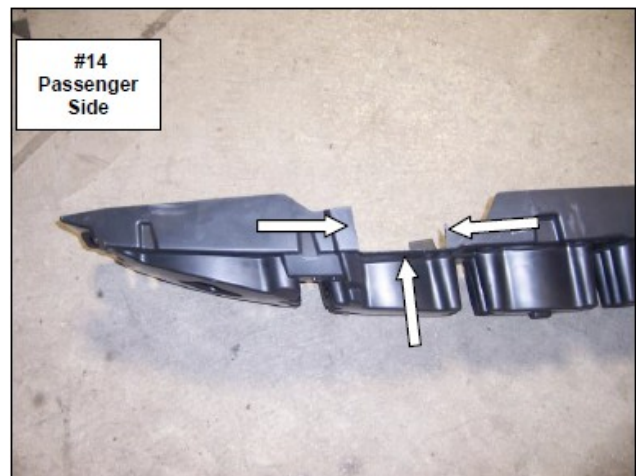
4. Position the driver side clamp bracket behind the impact beam and align the holes in the clamp bracket with the driver side main bracket. Secure the clamp bracket to the main bracket using (2) 3/8" x 1" carriage bolts, (2) 3/8" lock washers and (2) 3/8" hex nuts. **Picture #9 & #10** Leave the nuts and bolts loose for final adjustment.



5. Position the top and bottom edge of the passenger side main bracket approximately 11 1/4" from the end of the impact beam and tighten the main and clamp bracket assembly nuts and bolts. Repeat this step for the driver side. **Picture #11 & #12**

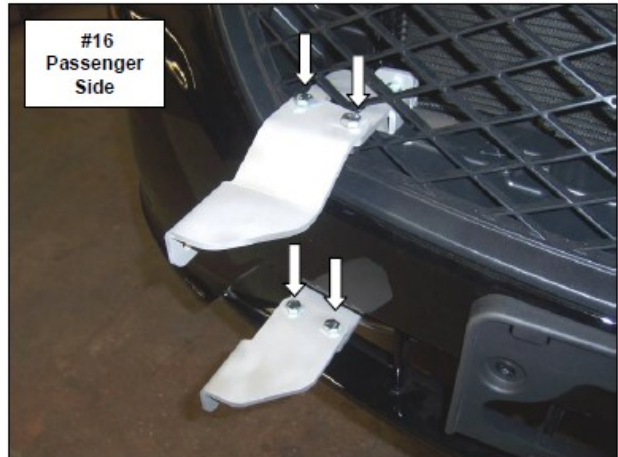


6. The bumper insulator must be notched (top and bottom) to properly fit around the main brackets. Remove the insulator from the bumper fascia and position the insulator up to the bumper and mark the main bracket locations. Notch the insulator and check fit by returning the insulator to the impact beam until the proper fit is achieved. **Picture #13 & #14**

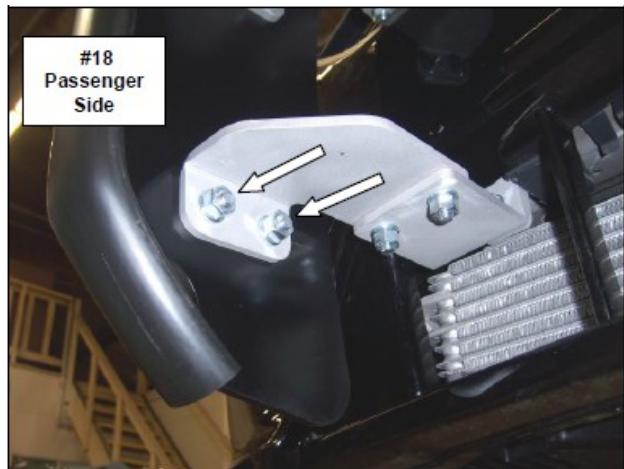


7. Reinstall the bumper insulator to the fascia and bumper fascia to the vehicle. **Picture #15**

8. Attach the passenger side upper and lower extension brackets to the main bracket using (2) 3/8" x 1" hex bolts, (2) 3/8" lock washers and (2) 3/8" hex nuts. **Picture #16** Leave the nuts and bolts loose for final adjustment. Repeat this step for the driver side.



9. Attach the push bumper to each of the extension brackets using (2) 3/8" x 1" hex bolts, (2) 3/8" lock washers and (2) 3/8" hex nuts. Leave the nuts and bolts loose for final adjustment. **Picture #17 & #18**



10. Align the push bumper with the vehicle and tighten all nuts and bolts. **Picture #19 & #20**

