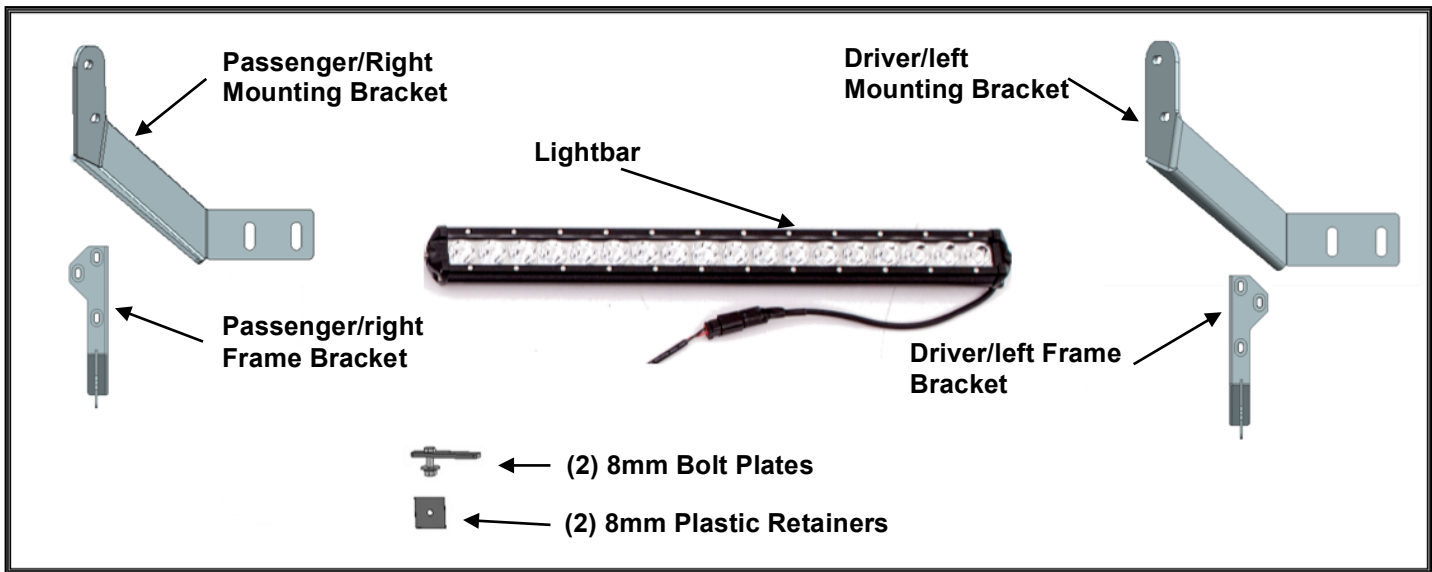


## PARTS LIST:

1	Revolution Bull Bar	8	12mm Flat Washers
1	Driver/Left Side Frame Mounting Bracket	4	12mm Lock Washers
1	Passenger/Right Side Frame Mounting Bracket	4	12mm Hex Nuts
1	License plate relocation bracket	4	M8_25 Hex Bolt Assembly
1	Driver/Left Side Mounting Bracket	2	8mm Hex Nuts
1	Passenger/Right Side Mounting Bracket	2	8mm Flat Washers
2	8mm x 30mm Bolt Plates	2	8mm Lock Washers
2	8mm Plastic Retainers	2	6mm Hex Nuts
4	12-1.75mm x 35mm Hex Bolts	1	LED Lightbar
2	6mm x 18mm x 1.6mm Flat Washers	4	M6_20 Button Head Allen Bolt Combo Kit
1	Wrench (Allen Bolt)		



## EQUIPMENT NEEDED:

- Safety Glasses
- Ratchet Set
- Pliers or Adjustable Wrench

## IMPORTANT NOTES:

- Bull Bar *may* interfere with parking sensors on the bumper.
- The LED light car can be wired into the factory lighting, or a wiring harness can be purchased separately,
- IF state law requires a front license plate, a relocation kit is available separately.
- Mild soap may be used to clean the Bull Bar and aluminum polish may be used on the stainless steel to polish small scratches and scuffs on the finish.

## LIGHT BAR INSTALLATION:

1. Remove light bar from box and screw bolts and washers into each end.
2. Slide bolts into crossbeam brackets with the washers on the outside of the bracket, and tighten using the supplied allen key.



## PROCEDURE:

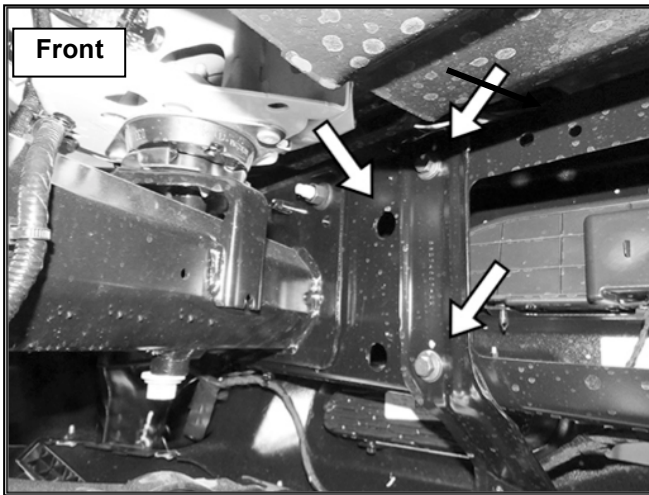
**REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. CUTTING IS REQUIRED. ASSISTANCE IS RECOMMENDED. INSTALLATION MAY INTERFERE WITH FRONT BUMPER MOUNTED SENSORS.**

1. Start installation under the front bumper. Carefully remove the plastic lower air dam attached to the bottom of the bumper. Do not remove the electronic “active air dam” behind the bumper if equipped. Pay close attention to the type and location of all factory hardware for reinstallation.
2. Move to the back of the driver/left side of the bumper, **(Figure 1)**. Select (1) 8mm Bolt Plate and (1) 8mm Plastic Retainer. Insert the bolt plate into the space between the outer bumper cover and bumper bracket, **(Figure 2)**. Insert the threaded part of the bolt plate back through the hole in the bumper bracket. Thread the plastic retainer onto the bolt plate to hold it in position. **NOTE:** The plastic retainer is used to help hold the bolt plate in place but use is not mandatory for bracket installation.
3. Next, remove the (2) factory hex bolts attaching the bumper to the bumper bracket, **(Figure 2)**. Select the driver/left frame mounting bracket. Attach the bracket to the back of the bumper with the included longer (2) 8mm x 35mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, **(Figure 3)**. Attach the Bracket to the 8mm Bolt Plate with (1) 8mm Flat Washer, (1) 8mm Lock Washer and (1) 8mm Hex Nut. Do not fully tighten hardware at this time.
4. Repeat **Steps 2—3** to install the passenger/right frame bracket.
5. Select (1) Mounting Bracket, **(Figure 4)**. Attach the bracket to the Bull Bar with bolt assembly (2). Leave hardware loose at this time. Repeat this **Step** to install the passenger side bracket.
6. With help, position the Bull Bar with mounting brackets up to the outside of the frame mounting brackets. Use the included (4) M12\_35 Hex Bolt, (8) 12mm Flat Washers, (4) 12mm Lock Washers and (4) 12mm Hex Nuts to attach the Bull Bar and brackets to the frame mounting brackets, **(Figure 5)**. Do not tighten hardware.
7. Stand back from the vehicle and check to see that the Bull Bar is centered and level on the vehicle and adjust as necessary. Fully tighten first the hardware securing the mounting brackets to the vehicle. Next tighten only the (4) 8mm Hex Bolts securing the brackets to the Bull Bar as described in **Step 6**. Do not tighten the 12mm hardware attaching the mounting brackets to the frame mounting brackets.
8. Temporarily remove the Bull Bar with brackets attached.
9. Hold the plastic air dam up to the bumper and align it with the mounting points. Mark the location of the mounting brackets onto the back of the air dam, **(Figure 6)**. Cut an approximately 1-1/2" wide slot out of the bottom of the air dam. **NOTE:** The size of the slot is an estimate only and may vary due to different factory designs for the air dam and front bumper covers. **IMPORTANT:** To avoid weakening the air dam, do not cut the slot any larger than necessary to clear brackets only. Do not cut through the top edge or mounting points, **(Figure 6)**. Make several small cuts first and check the fit often for a clean installation.

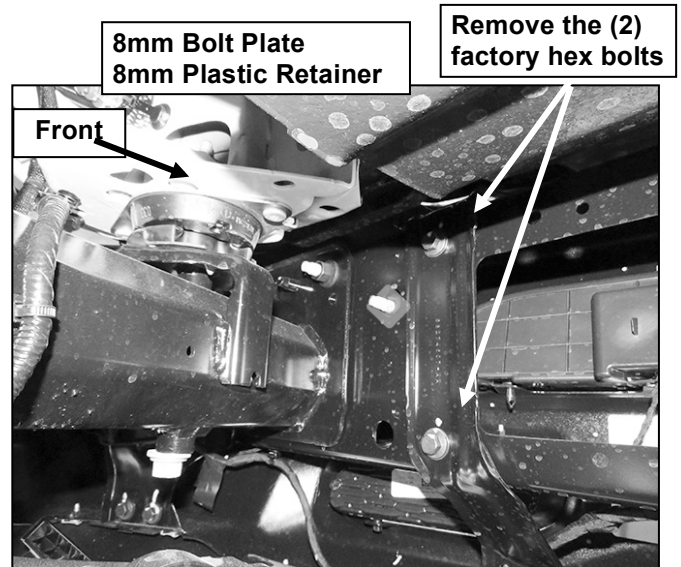
10. Reinstall the air dam using the factory hardware. **NOTE:** It may be necessary to loosen the bracket hardware to reinstall the air dam.
11. Reinstall the Bull Bar as described in **Step 7**.
12. Level and adjust the Bull Bar and fully tighten all hardware.
13. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**To protect your investment**, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Bull Bar.

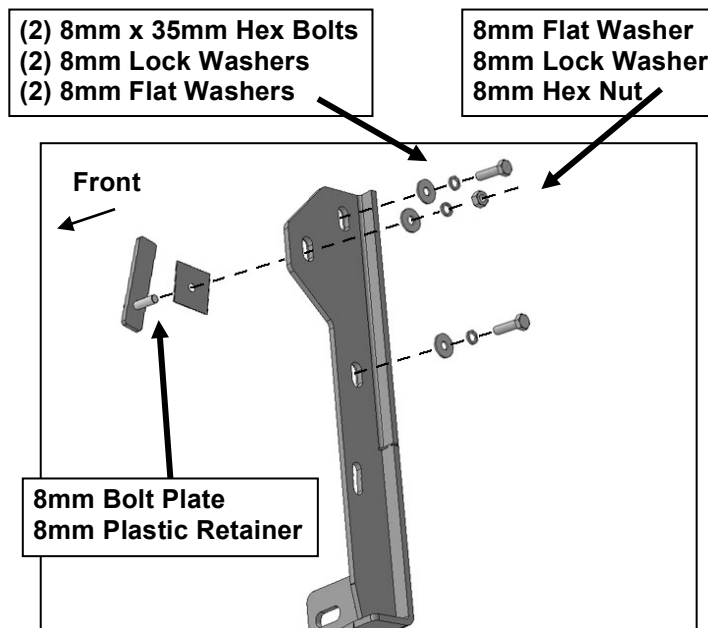
### Driver Side Installation Pictured



(Fig 1) Driver/left mounting location pictured from behind bumper



(Fig 2) Insert Bolt Plate back through bumper bracket (arrow)



(Fig 3) Driver/left side Frame Bracket layout

## Driver Side Installation Pictured



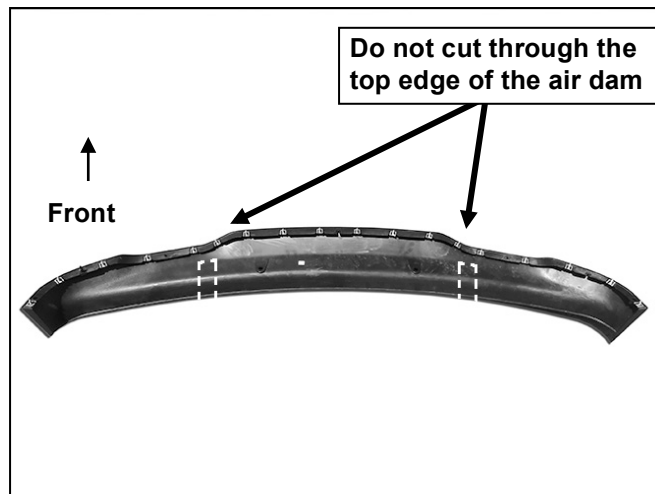
(Fig 4) Attach each mounting bracket to the bull bar with (2) bolt assemblies



(Fig 5)

- (2) 12mm x 35mm Hex Bolts
- (4) 12mm Flat Washers
- (2) 12mm Lock Washers
- (2) 12mm Hex Nuts

(Fig 6) Hold air dam up to bottom of Brackets. Trace Bracket location onto inside of air dam. Dashed lines indicate approximate sections to cut from air dam



The material that your product is made from can be recycled. Please also consider recycling the packaging that your product came in.

