



# BARDE FRONT BUMPER

PART NO. IBBFF010

FITS:

2019-Current Ford Ranger



90-180 min



Cutting May  
Required



Drilling Not  
Required

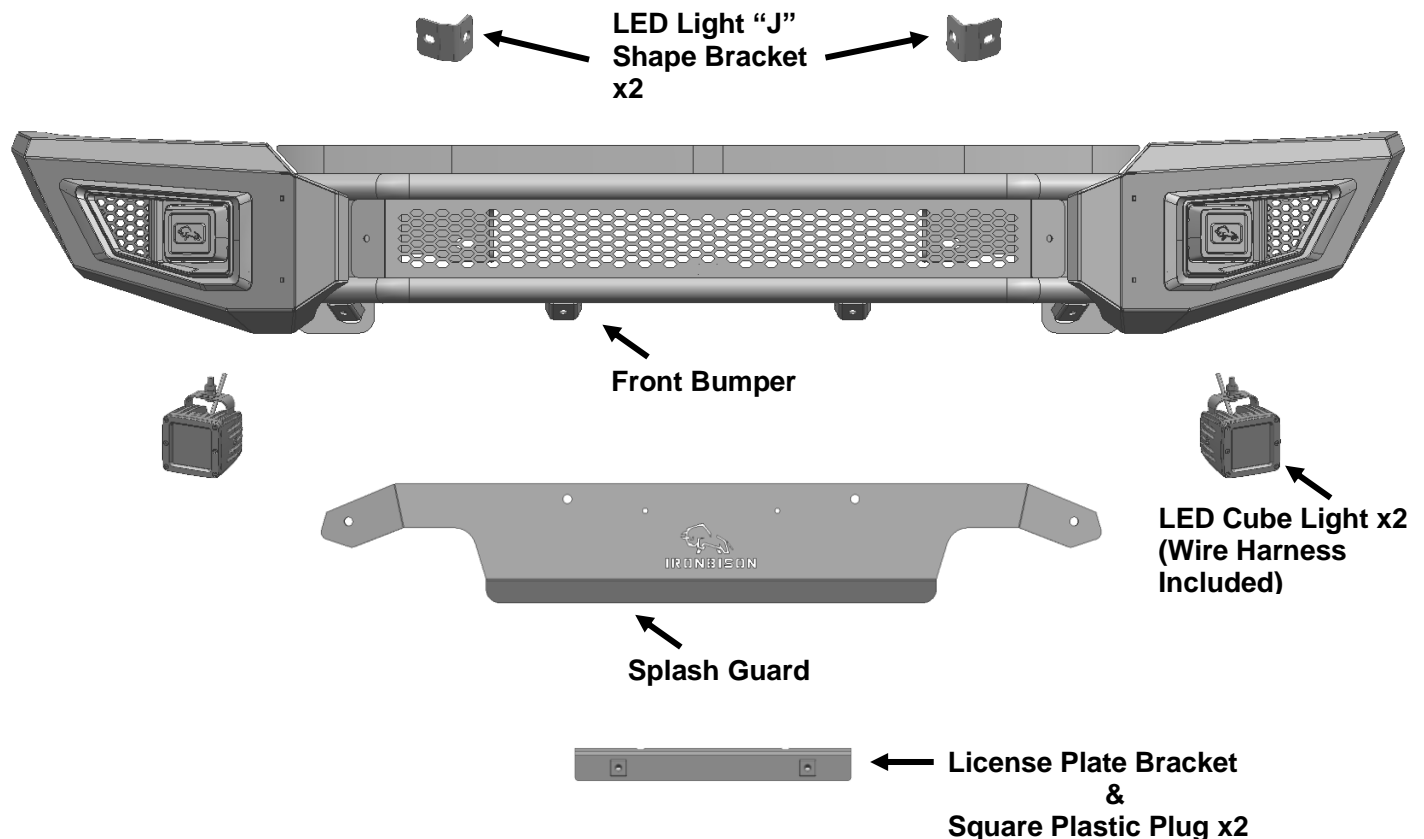
## Torque & Tools

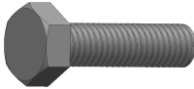





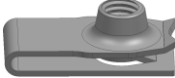

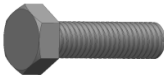






Fastener Size	Tightening Torque (ft-lbs)	Wrench Required		Allen Wrench Required	
■ 6mm	■ 7-8.5		<input type="checkbox"/> 10mm		■ 4mm
■ 8mm	■ 18-20		■ 13mm		■ 5mm
■ 10mm	■ 35-40		■ 16mm		<input type="checkbox"/> 6mm
<input type="checkbox"/> 12mm	<input type="checkbox"/> 60-70		<input type="checkbox"/> 18mm		<input type="checkbox"/> 8mm

## BEFORE INSTALLATION

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT  
DEPEND ON THE PARTS LIST. READ INSTRUCTIONS CAREFULLY. BUMPER  
IS HEAVY, ASSISTANCE IS HIGHLY RECOMMENDED TO AVOID POSSIBLE  
INJURY OR DAMAGE TO THE VEHICLE.

## Part List



<b>Use to Attach Wings to Bumper:</b>	<div>  <b>x4</b>  <b>x4</b>  <b>x4</b> </div> <div> 10mm x 30mm Hex Bolt 10mm x 20mm x 2mm Flat Washer 10mm Lock Washer </div>
<b>Use to Attach Splash Guard to the Bumper:</b>	<div>  <b>x4</b>  <b>x4</b>  <b>x4</b>  <b>x4</b>  <b>x1</b> </div> <div> 8mm x 25mm Button Head Bolt 8mm Lock Washer 8mm x 24mm Flat Washer 8mm Clip Nut 5mm Allen Wrench </div>
<b>Use to Attach 30" LED Light Bar to the "J" Shape Brackets: (Light Bar Not Included)</b>	<div>  <b>x2</b>  <b>x2</b>  <b>x2</b> </div> <div> 8mm x 16mm Hex Bolt 8mm Lock Washer 8mm x 24mm Flat Washer </div>
<b>Use to Attach License Plate Bracket to the Splash Guard:</b>	<div>  <b>x2</b>  <b>x4</b>  <b>x2</b>  <b>x1</b> </div> <div> 6mm x 20mm Button Head Bolt 6mm x 18mm x 1.6mm Flat Washer 6mm Nylon Lock Nut 4mm Allen Wrench </div>

## STEP 1

Move to the front of the vehicle. Remove the license plate. If the vehicle is equipped with tow hooks, remove the plastic covers and the tow hooks, **(Figs 1 & 2)**.

FIG 1



**(Fig 1) Remove plastic covers and tow hooks**

FIG 2

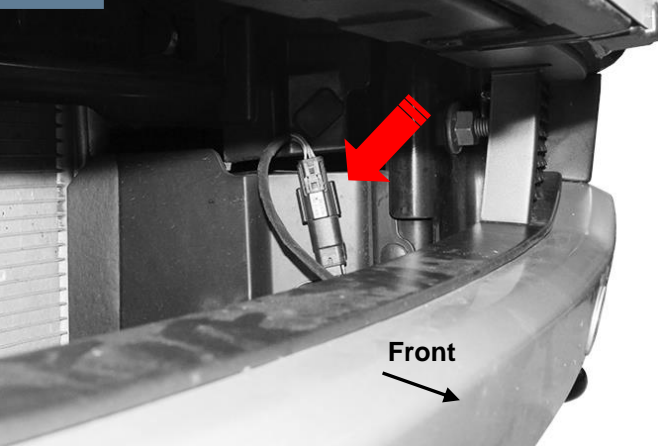


(Fig 2) Plastic cover and tow hook removed

## STEP 2

Unplug the center wire harness located in the hole in the bumper under the license plate on the right side, if equipped, **(Fig 3)**. Remove the center plastic cover from the front of the bumper, **(Figs 4 & 5)**. Release the wiring harness from the clips attached to the back of the plastic cover. Remove the center wiring harness from the plastic cover. Models with adaptive cruise control sensor (ACC), unplug and remove sensor to access bumper hardware, **(Fig 6)**. **IMPORTANT:** Sensor must be relocated for installation. Relocation bracket kit available separately.

FIG 3



(Fig 3) Unplug the inner wire harness

FIG 4



(Fig 4) Remove the center plastic cover

FIG 5



(Fig 5) Center plastic cover removed

FIG 6



(Fig 6) Remove the nuts attaching the bumper to the frame and remove the bumper

## STEP 3

Place blocks or jack stands under the front bumper to support it during hex nut removal. Once the bumper has been safely supported remove the large factory hex nuts from the front of the bumper bracket attaching the bumper to the frame, **(Fig 6)**. **WARNING!** Assistance is required to hold the bumper in place during hardware removal to prevent the bumper from falling. With assistance, hold the bumper in position, unplug the outer wiring harness located underneath the driver/left headlight, **(Fig 7)**. Remove factory bumper.

FIG 7



**(Fig 7)** Pull the bumper out slightly and unplug the outer wire harness

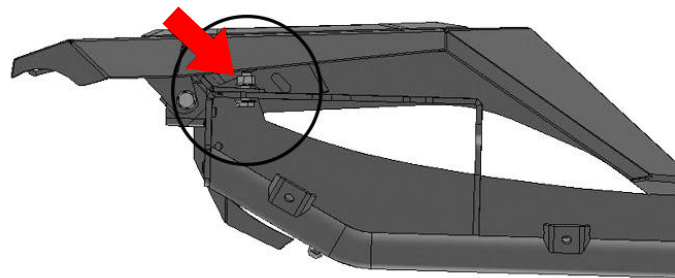


**WARNING!** Do not crawl under bumper unless it is properly supported on blocks or stands or the bumper may fall.

## STEP 4

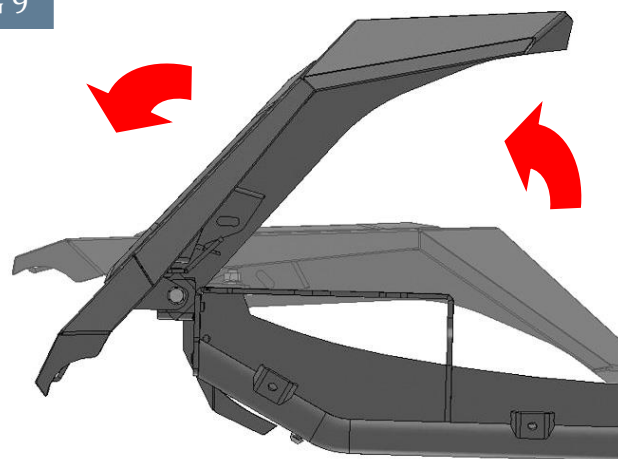
Carefully unwrap the folded Bumper assembly. Remove the (2) 10mm Hex Bolts holding the folded wings securely in place for shipping, **(Fig 8)**. Discard bolts. Pull outward to unfold the driver/left outer wing until fully extended, **(Fig 9)**. Attach the wing to the back of the Bumper with the included (2) 10mm x 30mm Hex Bolts, (2) 10mm Lock Washers and (2) 10mm x 20mm Small Flat Washers, **(Figs 10 & 11)**. Leave hardware loose.

FIG 8



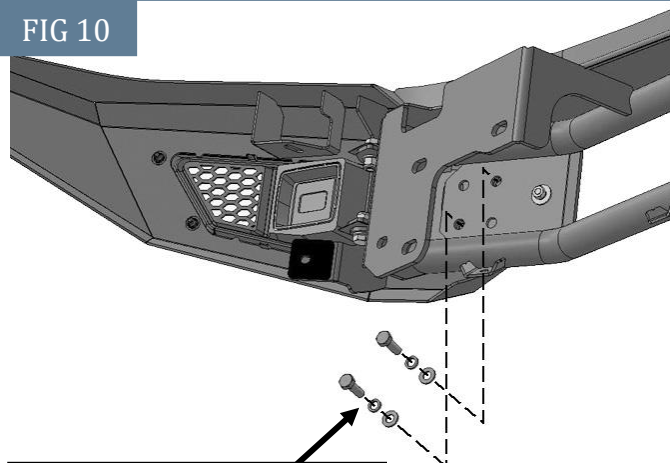
**(Fig 8)** Remove the hex bolt from the Bumper to release the Wing

FIG 9



**(Fig 9)** Rotate the Wing all the way around until it stops (driver/left side illustrated)

FIG 10



(2) 10mm x 30mm Hex Bolts  
(2) 10mm Lock washers  
(2) 10mm x 20mm Small Flat Washers

**(Fig 10)** Attach Wing to Bumper (driver/left side illustrated)

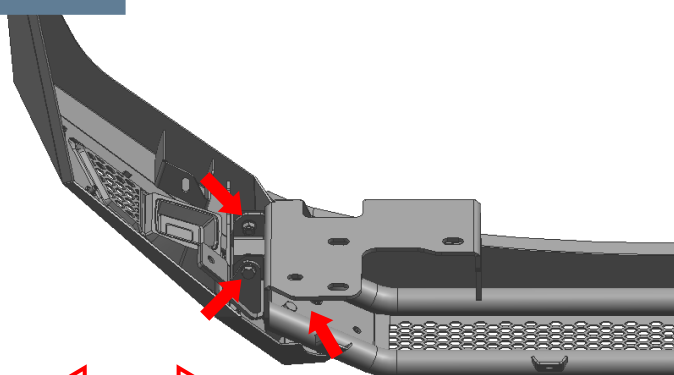


**FIG 11**

**(Fig 11) Attach Wing to Bumper (driver/left side illustrated)**

## STEP 5

Repeat **Step 4** to unfold and attach the passenger/right wing to the Bumper. **IMPORTANT:** There is a small amount of adjustment in the wings that can increase or decrease the final width of the Bumper. Loosen the (2) pivot bolts and the (2) anchor bolts and pull each wing outward as far as possible to start, **(Fig 12)**. Snug hardware but do not fully tighten at this time.

**FIG 12**


Increase or decrease the final width

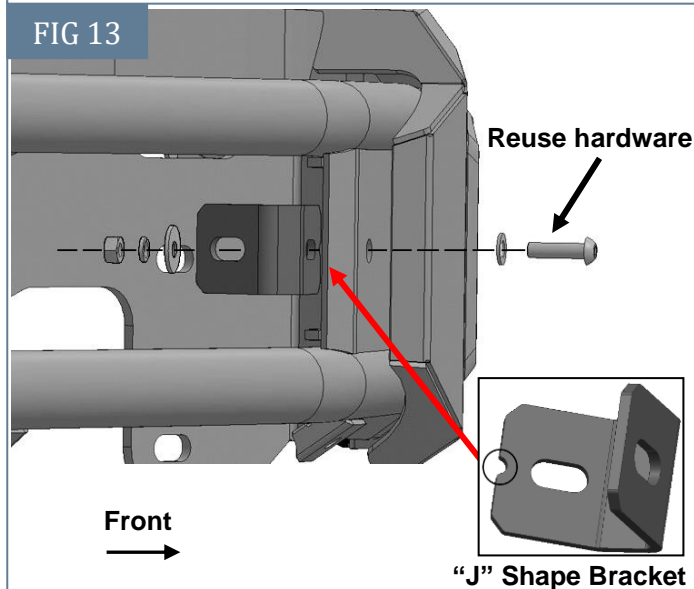
**(Fig 12) Loosen hardware and pull Wing outward to widen overall Bumper before installing. Driver/left side illustrated**

## STEP 6

Determine if accessory lights will be installed at this time. **NOTE:** It may be easier to install the center light, (not included), before installing Bumper.

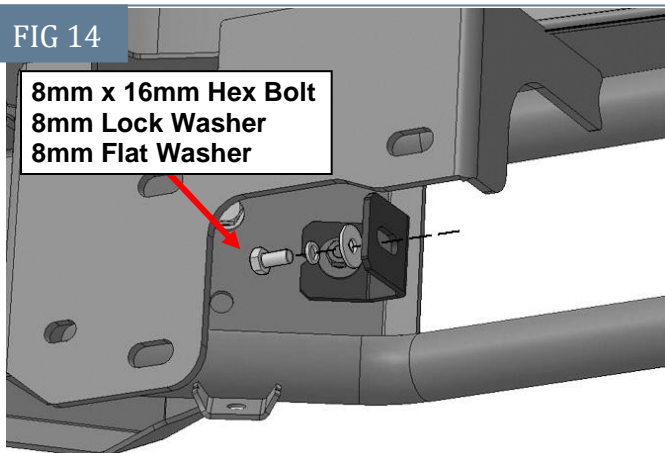
### Center LED bar style light installation (light not included):

- Remove the center mesh fill panel
- Select (1) "J" Light Bar Bracket. Reuse the hardware from the fill panel to attach the "J" Bracket to the back of the driver/left side of the Bumper, **(Fig 13)**. Repeat this **Step** to install the remaining "J" Bracket on the passenger/right side of the Bumper. **IMPORTANT:** The Bumper features mounting location designed for 30" bar style lights only.
- Attach the light to the "J" Brackets with the hardware included with the light or the supplied (2) 8mm x 16mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers, **(Fig 14)**. Do not fully tighten hardware at this time.

**FIG 13**

**(Fig 13) Reuse hardware from center screen to attach "J" Light Bracket to back of Bumper (driver/left side illustrated)**

**FIG 14**

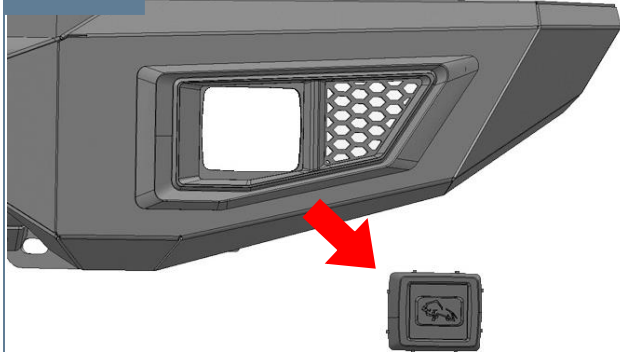
8mm x 16mm Hex Bolt  
8mm Lock Washer  
8mm Flat Washer



(Fig 14) Attach bar style LED light to “J” Light Brackets (light not included)

### Outer LED cube style light installation (Light & Wire Harness included):

- Cut out the openings in the plastic trim panel (Fig 15).
- Attach the lights to the mounting tabs on the back of the Bumper.
- Follow the light manufacturer’s instruction to properly wire lights once Bumper is installed.

**FIG 15**


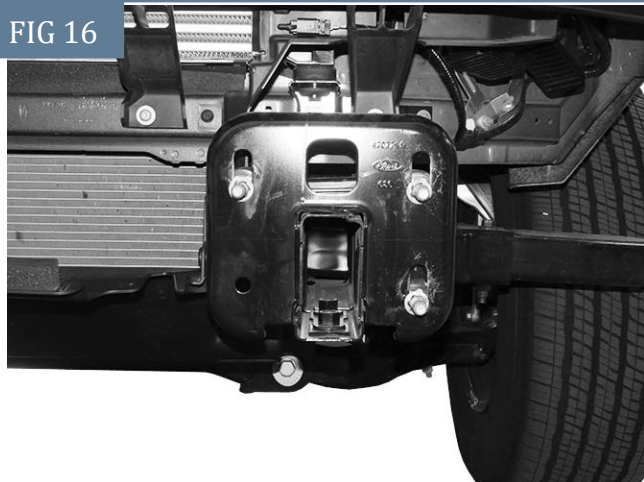
(Fig 15) Cut out plastic fill panel as needed for cube style LED light installation

## STEP 7

Models with adaptive cruise control sensor (ACC), refer to Relocation Bracket instructions, (available separately), to reinstall wiring harness and sensor if desired.

## STEP 8

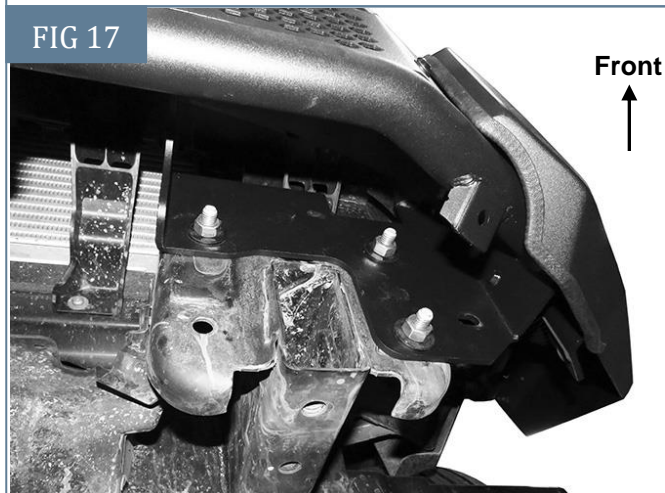
Locate the front frame mounting locations, (Fig 16). With assistance, slide the Bumper over the factory bolt plates. Temporarily support the weight of the Bumper. **WARNING:** To avoid possible injury or damage to the vehicle, do not proceed until the bumper is fully and safely supported.

**FIG 16**


(Fig 16) Driver/left mounting location

## STEP 9

Reuse the (3) factory hex nuts per side to attach the Bumper to the vehicle, (Fig 17). Do not fully tighten hardware.

**FIG 17**


(Fig 17) Reuse the factory hex nuts to attach bumper to the mounting locations



**WARNING!** Do not crawl under bumper unless it is properly supported on blocks or stands or the bumper may fall.

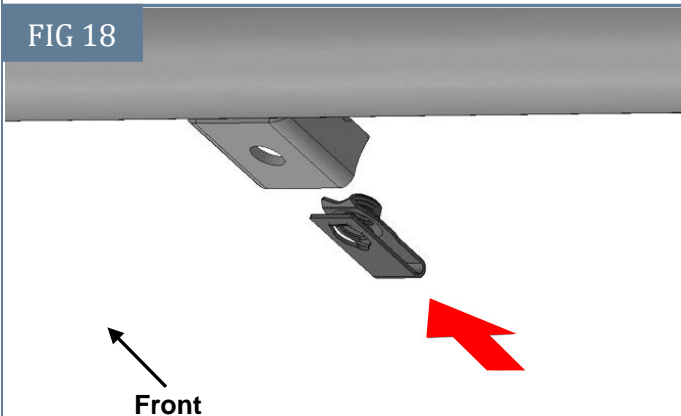
## STEP 10

Level and adjust the Bumper and fully tighten all hardware. **NOTE:** There is a small amount of adjustment in the Wing attachment points. Adjust Wings for best fit then fully tighten all hardware.

## STEP 11

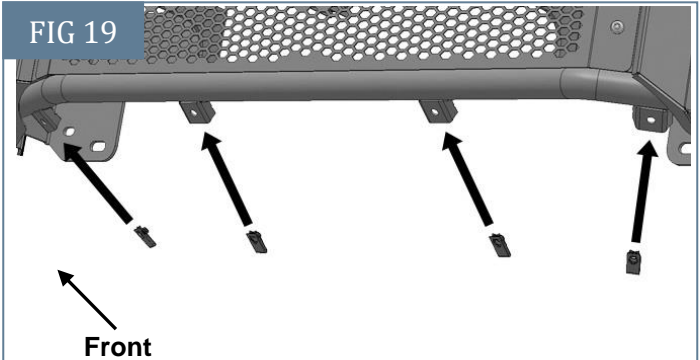
Select (1) 8mm Clip Nut. Slide the Clip Nut over the tab on the bottom of the Bumper, (**Fig 18**). Line up the Nut with hole in tab. **NOTE:** Orient Clip Nut with Nut upward. Repeat this **Step** to attach the remaining (3) Clip Nuts, (**Fig 19**).

FIG 18



(Fig 18) Slide 8mm Clip Nuts onto tabs on bottom of Bumper

FIG 19



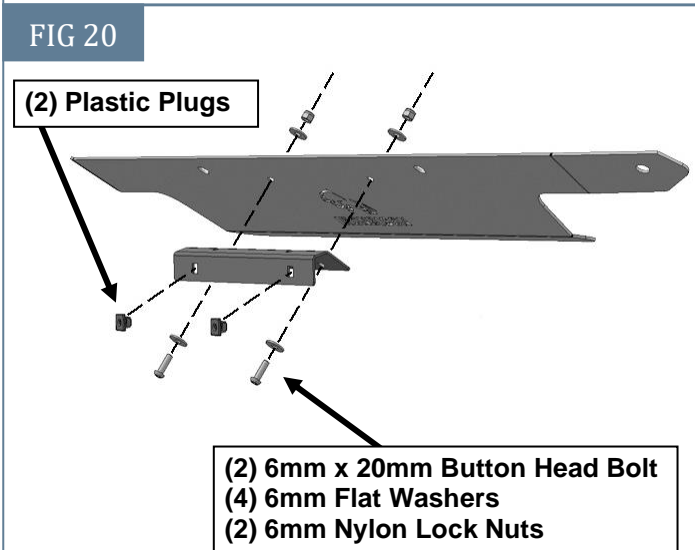
(Fig 19) Slide 8mm Clip Nuts onto tabs on bottom of Bumper

## STEP 12

**Carefully unwrap the Splash Guard. Determine if front license plate is required.**

- Attach the License Plate Bracket to the Splash Guard with the included (2) 6mm x 20mm Button Head Bolts, (4) 6mm Flat Washers and (2) 6mm Nylon Lock Nuts, (**Fig 20**).
- Insert (2) Plastic Plugs into the square holes in the Bracket. Reuse the factory screws to attach the license plate to the Plastic Plugs, (**Fig 20**).

FIG 20

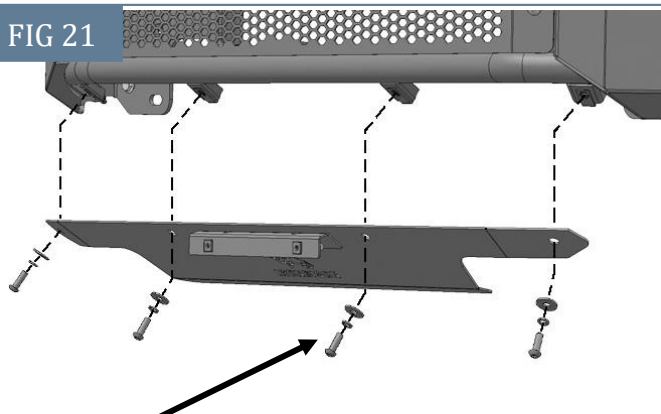


(Fig 20) Attach License Plate Bracket to Splash Guard

## STEP 13

Attach the Splash Guard to the bottom of the Bumper with the included (4) 8mm x 25mm Button Head Bolts, (4) 8mm Lock Washers and (4) 8mm Flat Washers, **(Figs 21 & 22)**. Align and adjust the Splash Guard to the Bumper and fully tighten all hardware.

FIG 21



(4) 8mm x 25mm Button Head Bolts  
(4) 8mm Lock Washers  
(4) 8mm Flat Washers

**(Fig 21) Attach top of Splash Guard to Clip-on Nuts on bottom of Bumper**

FIG 22



**(Fig 22) Splash Guard installed (without license plate bracket)**

## STEP 14

Reinstall the plastic grille and top cover if previously removed, **(Fig 23)**.

FIG 23



**(Fig 23) Complete Installation**

## STEP 15

Do periodic inspections to the installation to make sure that all hardware is secure and tight.

### Attention

**To protect your investment, do not use any type of polish or wax that may contain abrasives that could damage the finish.**

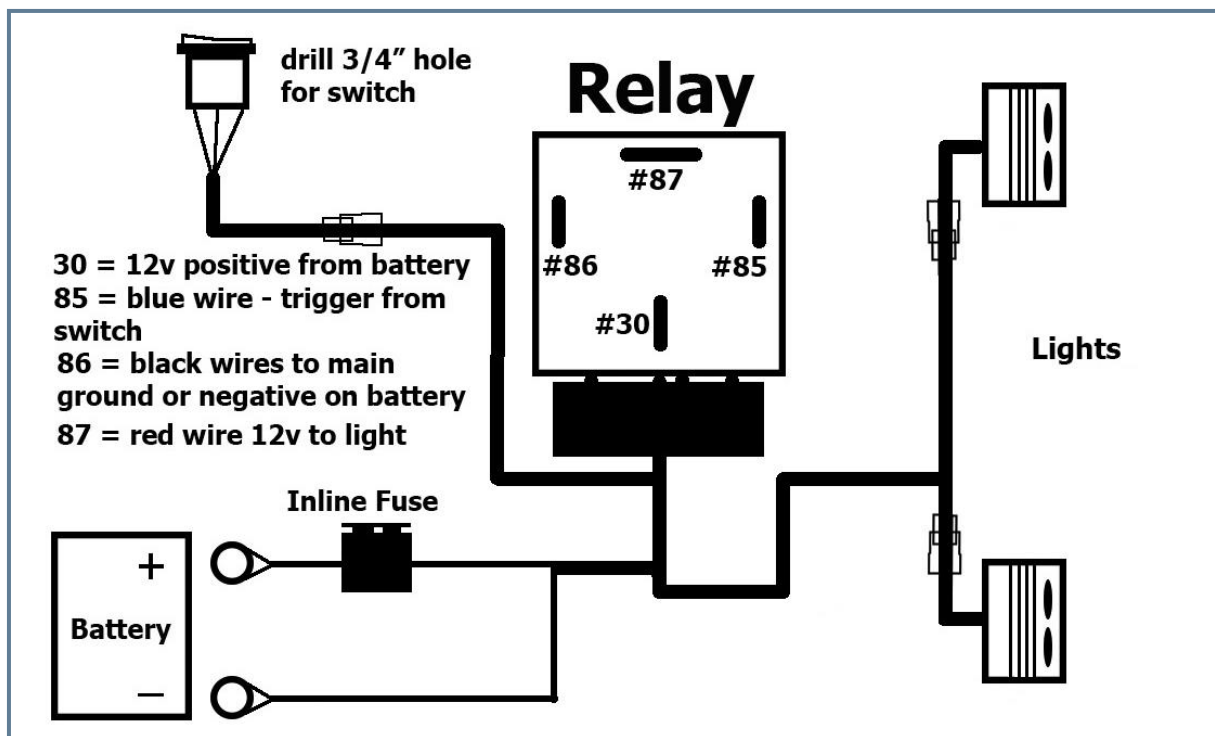
**Mild soap may be used also to clean the Bumper.**



## CUBE LED LIGHT INSTRUCTIONS

### PARTS LIST:

Qty	Description	Qty	Description
2	Lights	2	8mm Flat Washer
1	Wiring Harness	2	8mm Hex Nut
2	8mm Hex Bolt		



### PROCEDURE:

1. REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY. DRILLING IS REQUIRED. ELECTRICAL KNOWLEDGE IS HIGHLY RECOMMENDED.
2. Open hood and disconnect battery.
3. Unwrap preassembled wiring harness. Disconnect the plug in the harness leading to the lighted switch. Locate suitable mounting location for switch. Drill 3/4" hole in panel to mount switch. **IMPORTANT:** Do not drill any holes in panel until back of location is properly checked for clearance. Use of safety goggles is required.
4. Run switch harness through firewall on vehicle. Drill hole through firewall as required for harness plug. Highly recommend use of rubber grommet (not included) to protect harness. Feed switch harness plug through hole in firewall. Seal firewall with silicone as necessary.
5. Attach Relay and main harness to suitable location near battery (firewall or inner fender for example). Do not connect to battery at this time.
6. Attach switch plug to switch harness and tie harness away from anything that could damage harness.
7. Run the prewired light harness down to the light. Plug harness into prewired plug on each light. Tie wiring harness away from anything that could damage harness.
8. Attach the fused red positive and black negative wires on the main harness to the battery. **NOTE:** Attach black negative wire to negative terminal on battery or suitable chassis ground.
9. Reattach battery cables to battery. Installation is complete.
10. Adjust lights for best results and fully tighten all hardware.
11. Do periodic inspections to the installation to make sure that all hardware is secure and tight and all wiring harnesses are properly secured and free from excessive movement.