

IRONBISON IB-TCS1-13 Front Bumper Stubby Bull Bar



# IRONBISON IB-TCS1-13 Front Bumper Stubby Bull Bar Instruction Manual

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**IRONBISON IB-TCS1-13 Front Bumper Stubby Bull Bar**



## Torque & Tools



90-180 min



Cutting May  
Required



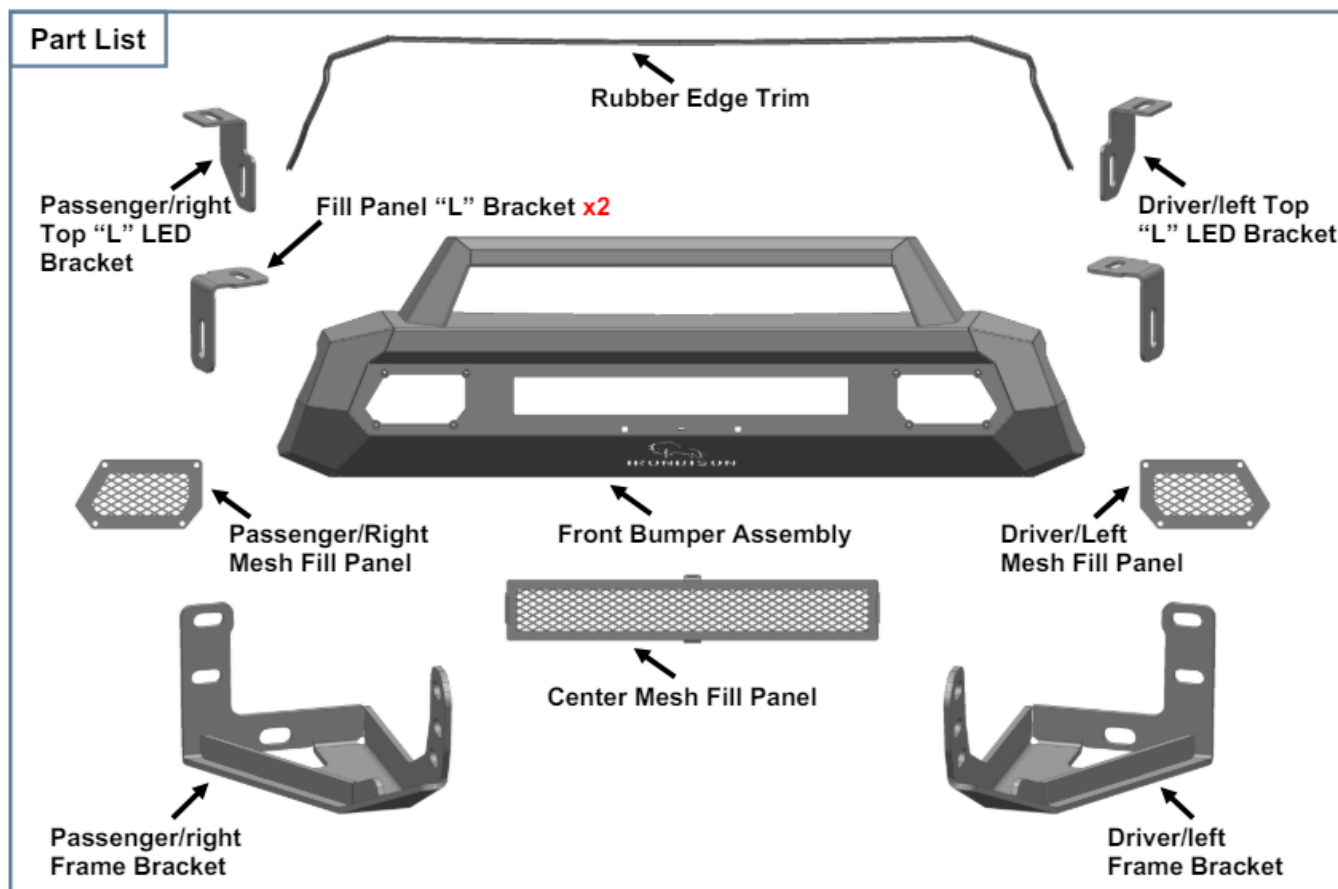
Drilling Not  
Required

Fastener Size	Tightening Torque (ft-lbs)	Wrench Required		Allen Wrench Required	
■ 6mm	■ 7-8.5		■ 10mm		■ 4mm
■ 8mm	■ 18-20		■ 13mm		□ 5mm
■ 10mm	■ 35-40		■ 16mm		□ 6mm
■ 12mm	■ 60-70		■ 18mm		□ 8mm






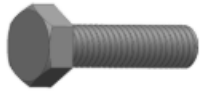











## BEFORE INSTALLATION

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS HIGHLY RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE. CUTTING MAY BE REQUIRED.

### Part List



### WHAT IN THE BOX

<p><b>Use to attach the Frame Brackets to the frame:</b></p>	 x2 12mm x 120mm Hex Bolt  x2 Rectangular Spacers  x2 12mm x 44mm x 4mm Large Spacer Washer  x2 12mm x 32mm x 3mm Flat Washer  x2 12mm Nylon Lock Nut
<p><b>Use to attach the Bumper to the Frame Brackets:</b></p>	 x6 10mm x 30mm Hex Bolt  x6 10mm Lock Washer  x6 10mm x 20mm Flat Washer
<p><b>Use to attach LED Light Bar &amp; “L” Brackets &amp; Mesh Fill Plates to the Bumper:</b></p>	 x6 8mm x 25mm Hex Bolt  x2 8mm x 16mm Hex Bolt  x14 8mm x 24mm Flat Washer  x8 8mm Lock Washer  x6 8mm Hex Nut  x10 6mm x 20mm Combo Bolt  x2 6mm Flange Nut  x1 4mm Allen Wrench  x2 Square Plastic Plug

## INSTALLATION INSTRUCTION

### STEP 1

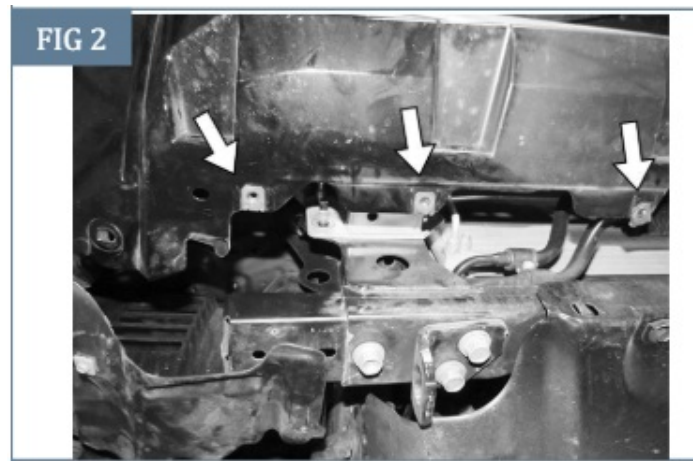
Remove the license plate and bracket from the bumper cover, (Fig 1).



(Fig 1) Remove the license plate and air dam from front bumper cover

### STEP 2

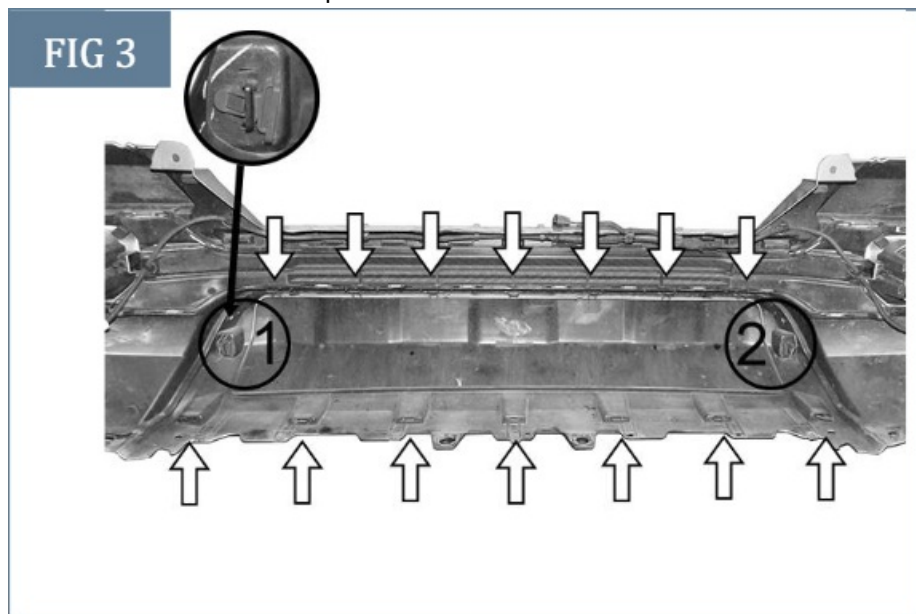
Remove the air dam attached to the bottom of the bumper cover, (Figs 1 & 2). **NOTE:** The air dam is attached to the bottom of the main bumper cover with several captive clip nuts. Remove the clip nuts from the cover to prevent rattles (optional)



(Fig 2) Remove clip-on nuts from bottom of the bumper cover (arrows)

### STEP 3

Locate and remove the clips (1 per side) from the back of the bumper cover attaching the ends of the outer cover, (Fig 3). Pull the outer center cover off of the main bumper cover. NOTE: The bumper cover does not need to be removed to remove the outer cover but it is optional.

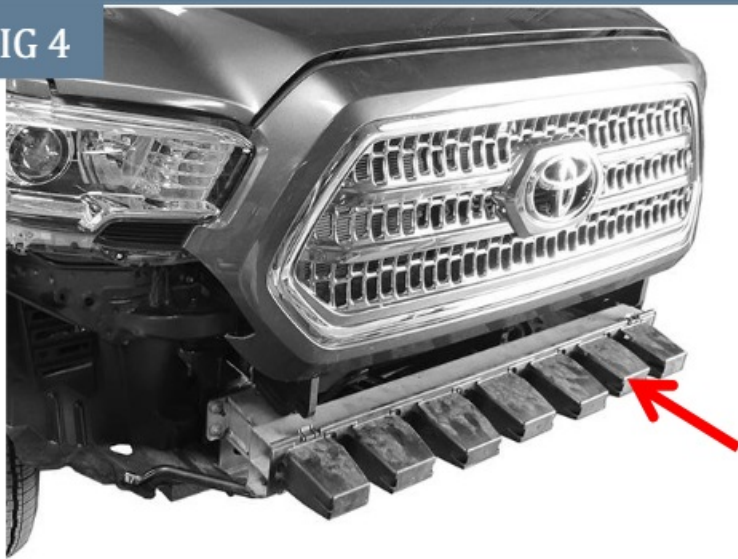


(Fig 3) Remove (2) outer clips from back of bumper cover, then release clips from top and bottom to remove the center cover. NOTE: Bumper removal to release clips is optional

### STEP 4

Next, remove the plastic impact pad from the aluminum impact bumper, (Fig 4).

**FIG 4**

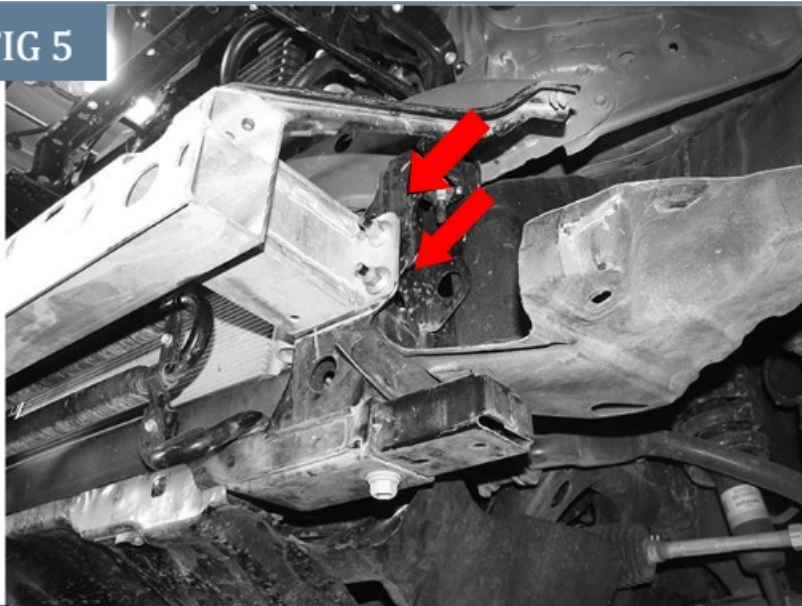


(Fig 4) Remove plastic impact pad (arrow), NOTE: Pictured with the plastic bumper cover removed for instruction purposes only, it is not necessary to remove the bumper cover

**STEP 5**

Remove the (2) outer hex nuts attaching the driver/left impact bumper bracket to the frame, (Fig 5).

**FIG 5**

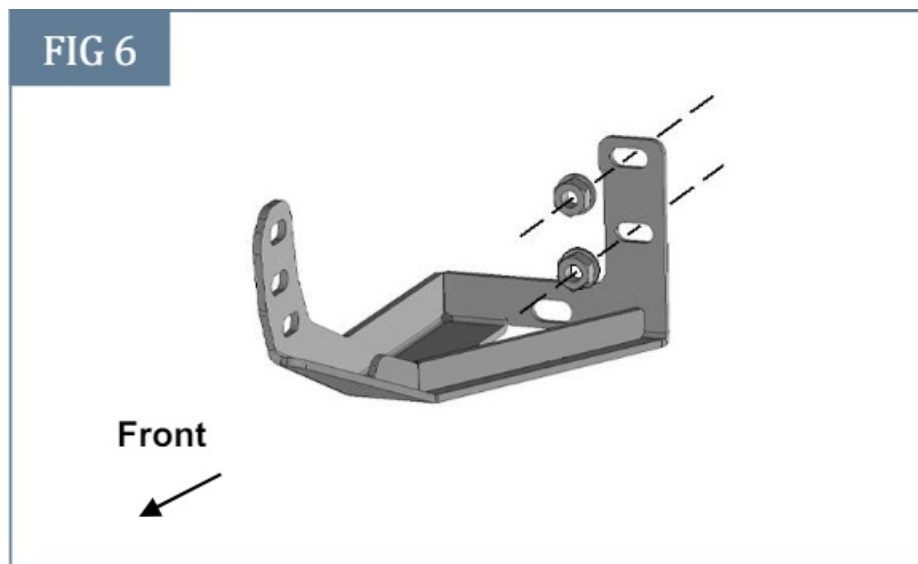


( Fig 5) Remove the (2) outer hex nuts from the driver/left aluminum impact bumper bracket.

**NOTE:** Pictured with the plastic bumper cover removed for instruction purposes only, it is not necessary to remove the bumper cover

**STEP 6**

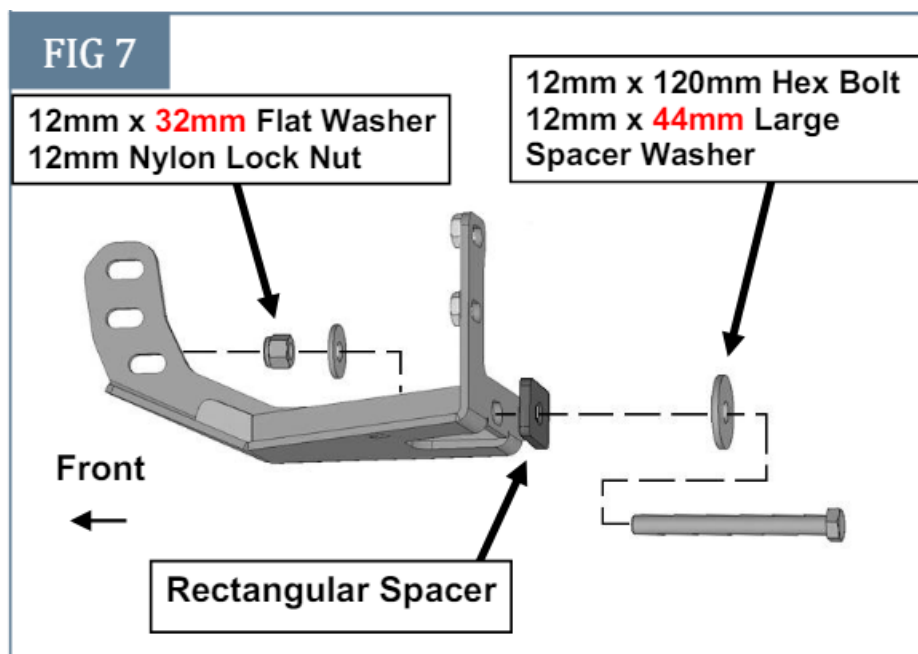
Select the driver/left Frame Bracket. Reuse the ( 2) factory hex nuts to attach the Bracket over the i mpact bumper bracket, (Fig 6). Leave hardware loose at this time.



(Fig 6) Reuse the (2) factory hex nuts to attach the driver/left Frame Mounting Bracket to the inner impact bumper bracket

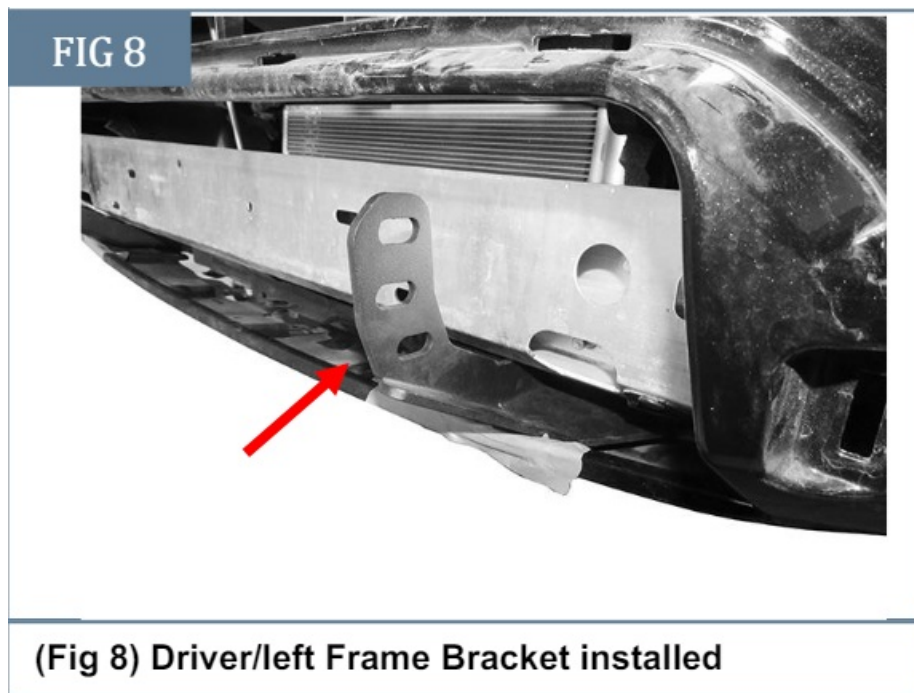
### STEP 7

Insert (1) 12mm x 120mm Hex Bolt with (1) 12mm x 44mm Spacer Washer through the back of the frame crossmember. Slide (1) Rectangular Spacer between the Bracket and the front of the crossmember, (Fig 7). Guide the long Hex Bolt through the Spacer and Bumper Bracket. Secure the Bracket to the long Hex Bolt with (1) 12mm x 32mm Flat washer and (1) 12mm Nylon Lock Nut, (Figs 7 & 8). Snug but do not fully tighten Bumper Bracket hardware at this time.



(Fig 7) Insert Rectangular Spacer between Bracket and frame crossmember





(Fig 8) Driver/left Frame Bracket installed

#### STEP 8

- Repeat Steps 5—7 to install the passenger/right Frame Bracket.

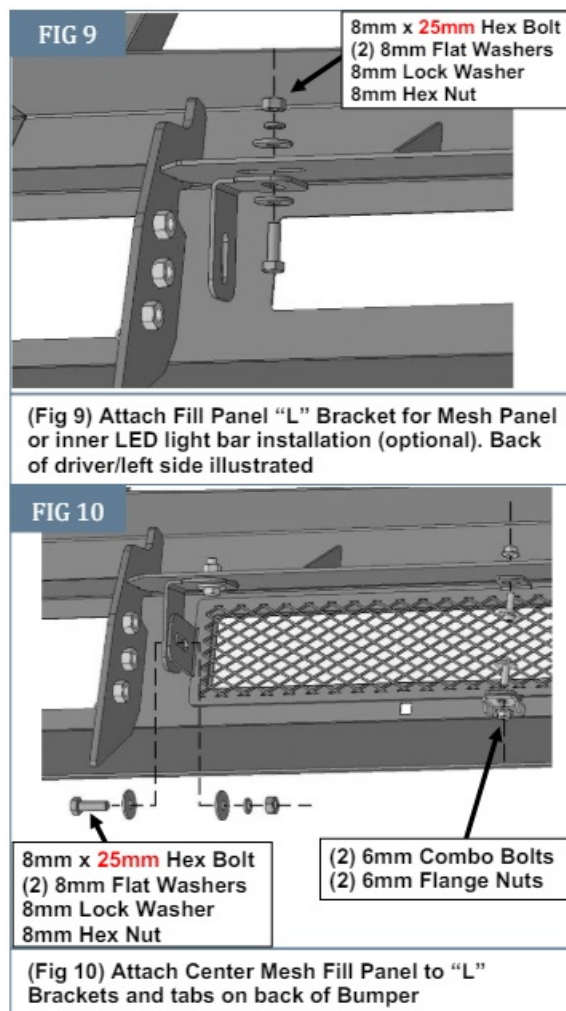
#### STEP 9

Determine if accessory lights, (not included), or Mesh Fill Panels will be installed at this time.

**IMPORTANT:** It may be easier to install Center Fill Panels and/or lights before installing the Bumper. Center Mesh Fill Panel Installation (do not install Center Mesh Fill Panel if installing light).

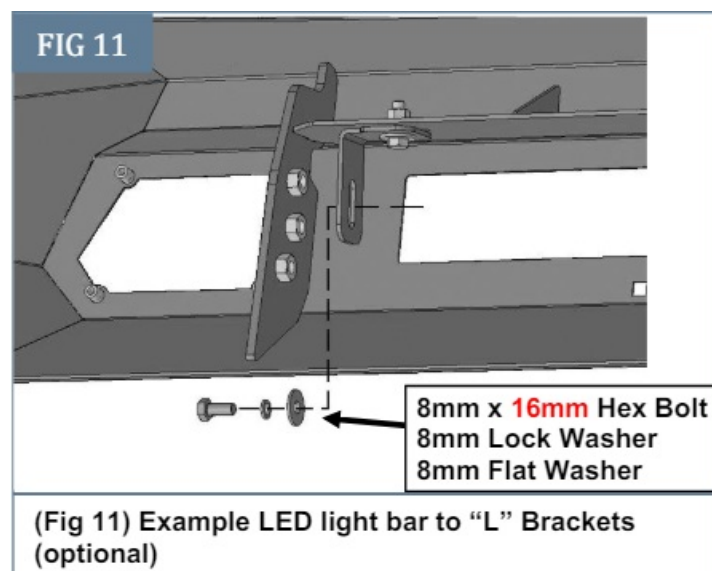
- Select (1) Fill Panel “L” Bracket, (Fig 9).
- Attach the “L” Bracket to the slot on the back of the driver/left side of the Bumper with (1) 8mm x 25mm Hex Bolt, (2) 8mm Flat Washers, (1) 8mm Lock Washer and (1) 8mm Hex Nut, (Fig 9). Repeat this Step to attach the Fill Panel “L” Bracket to the passenger/right side of the Bumper.
- Select the Center Mesh Fill Panel, (Fig 10).
- Attach the Fill Panel to the “L” Brackets with the included (2) 8mm x 25mm Hex Bolts, (4) 8mm Flat Washers, (2) 8mm Lock Washers and (2) 8mm Hex Nuts, (Fig 10). Do not fully tighten the hardware at this time.
- Attach the center of the Center Mesh Fill Panel to the top and bottom of the opening in the Bumper with the included (2) 6mm Button Head Combo Bolts and (2) 6mm Flange Nuts, (Fig 10). Push the Screen up against the back of the Bumper and fully tighten Fill Panel hardware only.





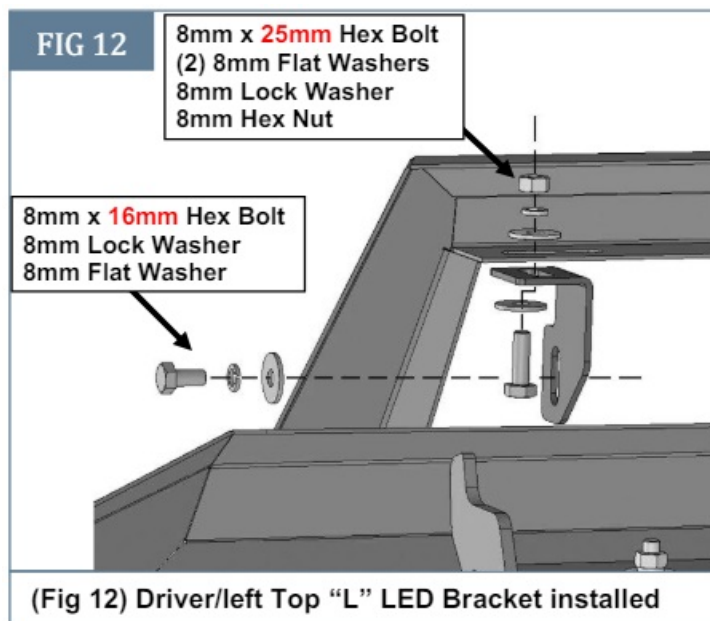
Inner center LED light bar installation (20" light not included, do not install Mesh Panel with light).

- Select (1) Fill Panel "L" Bracket, (Fig 9).
- Attach the "L" Bracket to the slot on the back of the driver/left side of the Bumper with (1) 8mm x 25mm Hex Bolt, (2) 8mm Flat Washers, (1) 8mm Lock Washer and (1) 8mm Hex Nut, (Fig 9). Repeat this Step to attach the Fill Panel "L" Bracket to the passenger/right side of the Bumper.
- Attach the light to the "L" 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 11). Adjust and fully tighten light and "L" bracket hardware only at this time.



## Top mounted 20" LED light bar (not included).

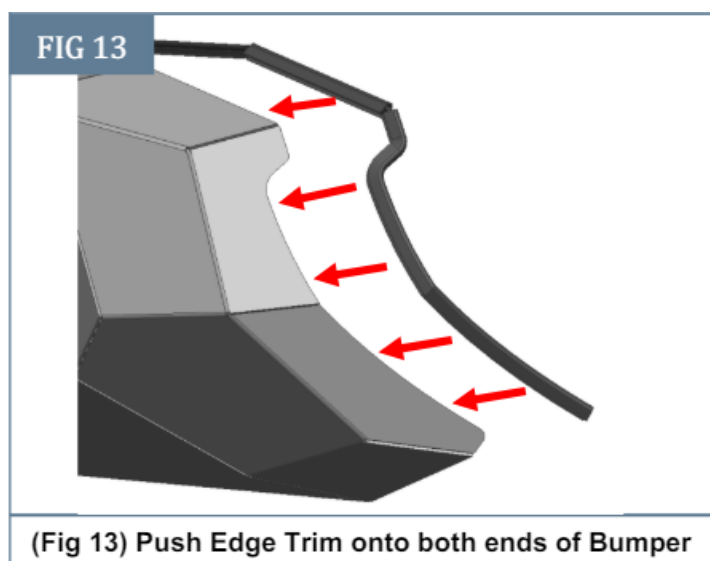
- Select the driver/left Top "L" LED Bracket. Attach the Bracket to the slot on the back of the Bumper Hoop with (1) 8mm x 25mm Hex Bolt, (2) 8mm Flat Washers, (1) 8mm Lock Washer, and (1) 8mm Hex Nut, (Fig 12). Do not tighten the hardware at this time.
- Repeat previous Step to attach the passenger/right Bracket.
- Select the 20" light, (not included). Attach the light to the Top Light 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 12). Adjust and fully tighten light and Bracket hardware only.



## STEP 10

Apply the included Edge Trim to the Bumper to protect the plastic bumper cover. Cut Edge Trim to fit, (Fig 13). With assistance, position the Bumper Assembly up to the outside of the Frame Brackets. 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.

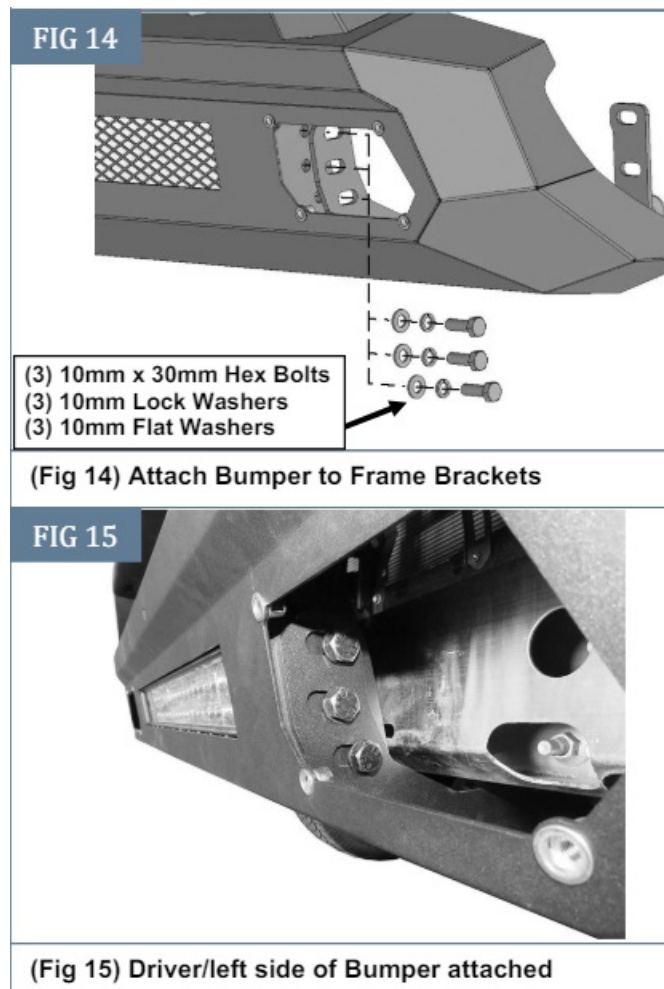


**WARNING!** Do not crawl under the bumper unless it is properly supported on blocks or stands or the bumper may

fall.

### STEP 11

Line up the driver/left side mounting plate on the back of the Bumper with the Frame Bracket. Attach the Bumper to the Bracket with the included (3) 10mm x 30mm Hex Bolts, (3) 10mm Lock Washers and (3) 10mm Flat Washers, (Figs 14 & 15). Do not fully tighten hardware at this time. Repeat this Step to attach the passenger/right side of the Bumper.



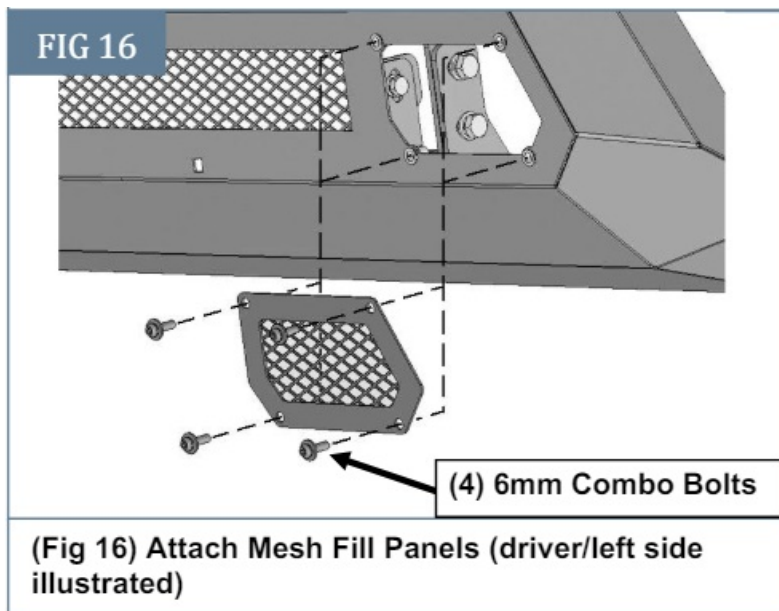
### STEP 12

Level and adjust the bumper and fully tighten all hardware.

**IMPORTANT:** Check fit between inner light, (if installed), and cut plastic bumper cover. Remove the Bumper and trim cover for proper fit if necessary, before fully tightening the hardware. Once properly adjusted and trimmed, tighten hardware.

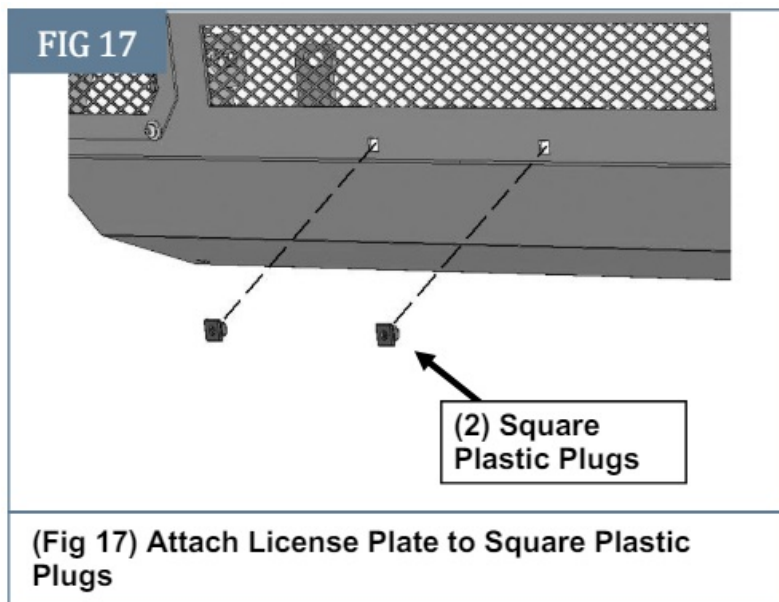
### STEP 13

Attach the Mesh Fill Panels to the Bumper with the included (8) 6mm Combo Bolts, (Fig 16).



#### STEP 14

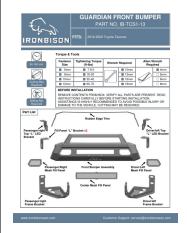
Use the included (2) push-in Square Plastic Plugs to attach the front license plate, (if required), to the (2) holes in the front of the Bumper, (Fig 17).



#### STEP 15

- Do periodic inspections to the installation to make sure that all hardware is secure and tight.
  - [www.ironbisonauto.com](http://www.ironbisonauto.com)
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## Documents / Resources

	<p><a href="#">IRONBISON IB-TCS1-13 Front Bumper Stubby Bull Bar</a> [pdf] Instruction Manual IB-TCS1-13 Front Bumper Stubby Bull Bar, IB-TCS1-13, Front Bumper Stubby Bull Bar, Bumper Stubby Bull Bar, Stubby Bull Bar, Bull Bar</p>
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## References

- [User Manual](#)

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