



GUARDIAN FRONT BUMPER

PART NO. IB-TCS1-13

FITS:

2016-2023 Toyota Tacoma



90-180 min



Cutting May
Required



Drilling Not
Required

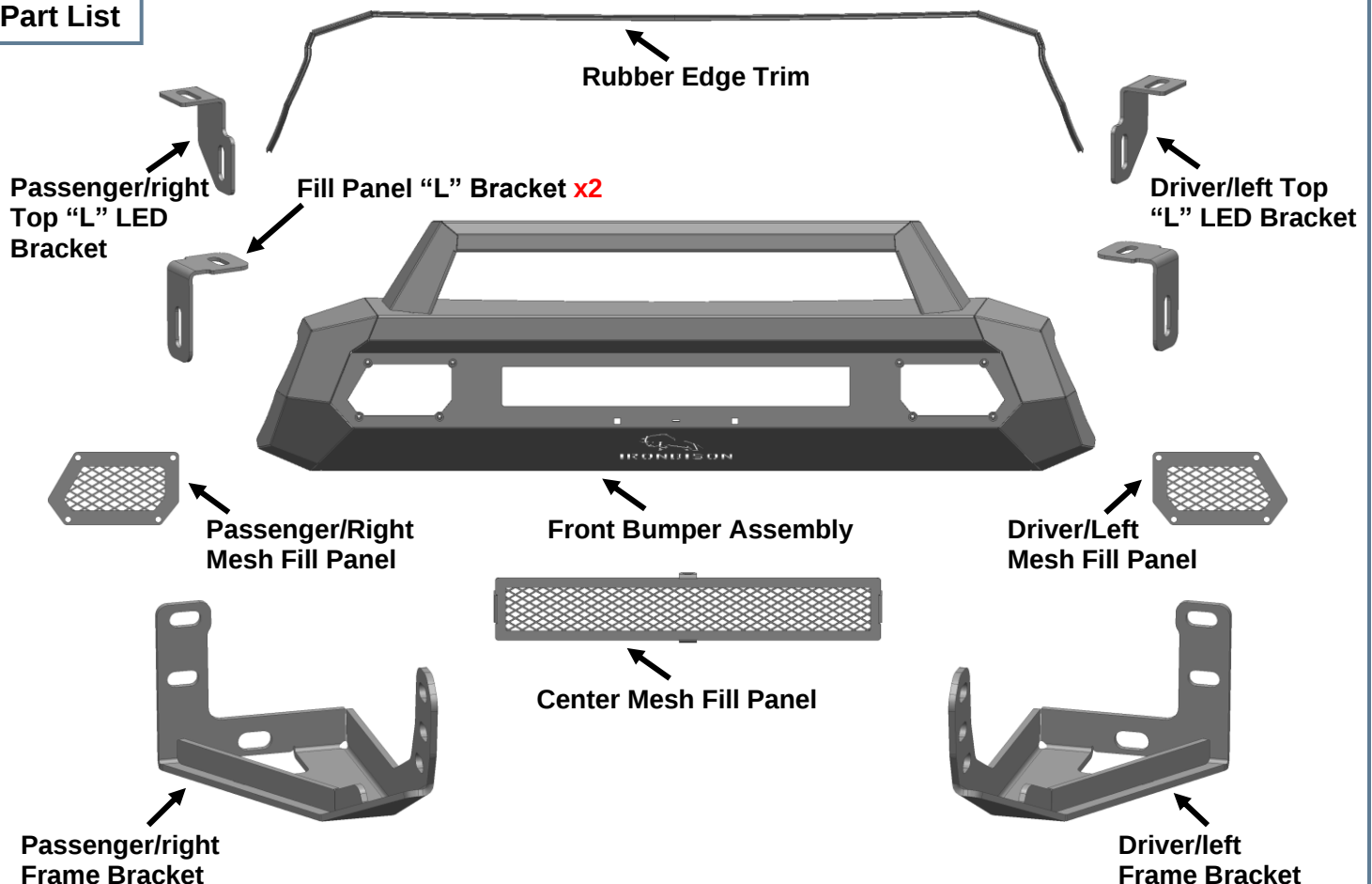
Torque & Tools

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

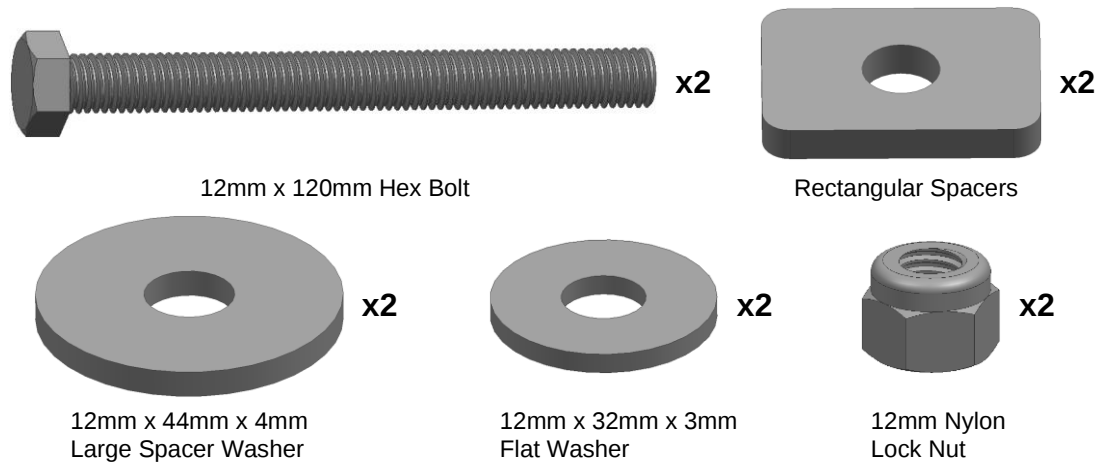
BEFORE INSTALLATION

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.

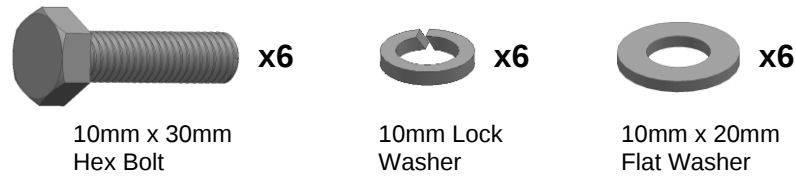
Part List



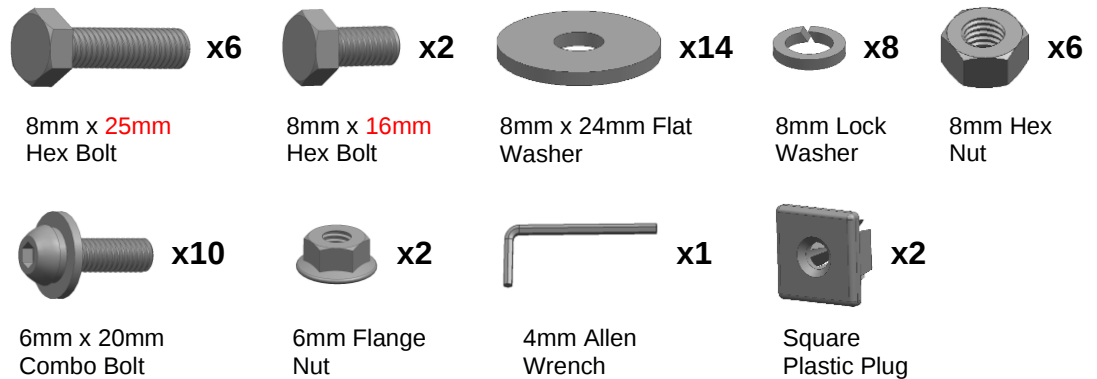
Use to attach the Frame Brackets to the frame:



Use to attach the Bumper to the Frame Brackets:



Use to attach LED Light Bar & “L” Brackets & Mesh Fill Plates to the Bumper:



STEP 1

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

FIG 1

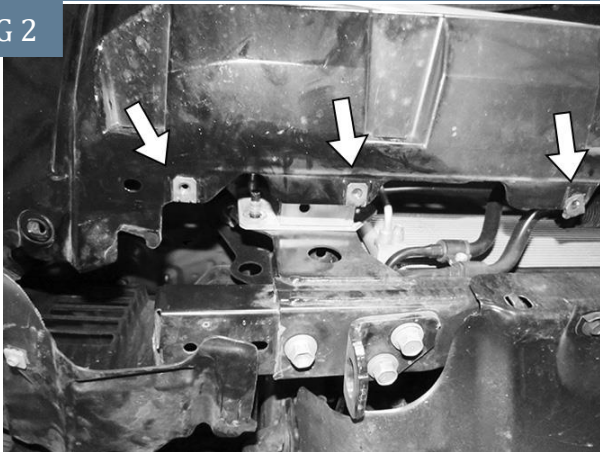


(Fig 1) Remove the license plate and air dam from front bumper cover

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

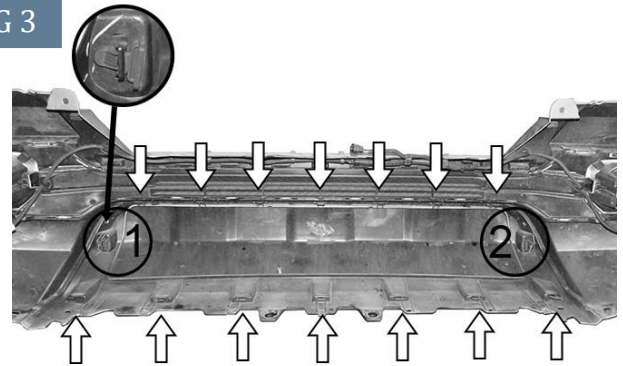


(Fig 2) Remove clip on nuts from bottom of bumper cover (arrows)

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



(Fig 3) Remove (2) outer clips from back of bumper cover, then release clips from top and bottom to remove 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

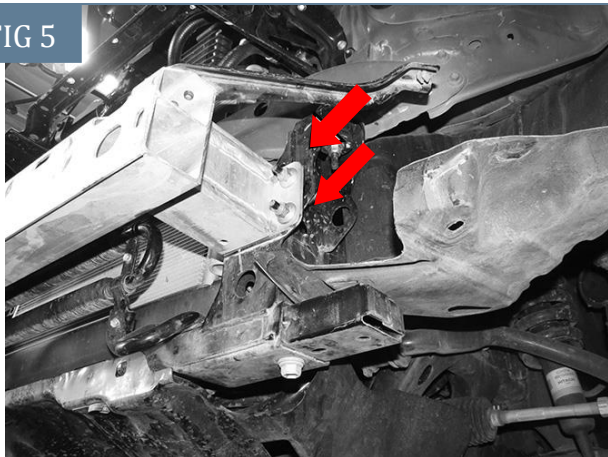


(Fig 4) Remove plastic impact pad (arrow), **NOTE:** Pictured with plastic bumper cover removed for instruction purposes only, it is not necessary to remove bumper cover

STEP 5

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

FIG 5

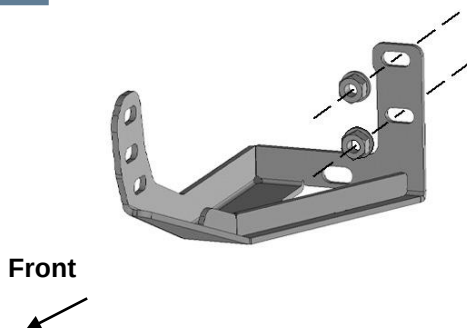


(Fig 5) Remove the (2) outer hex nuts from the driver/left aluminum impact bumper bracket. **NOTE:** Pictured with plastic bumper cover removed for instruction purposes only, it is not necessary to remove bumper cover

STEP 6

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

FIG 6

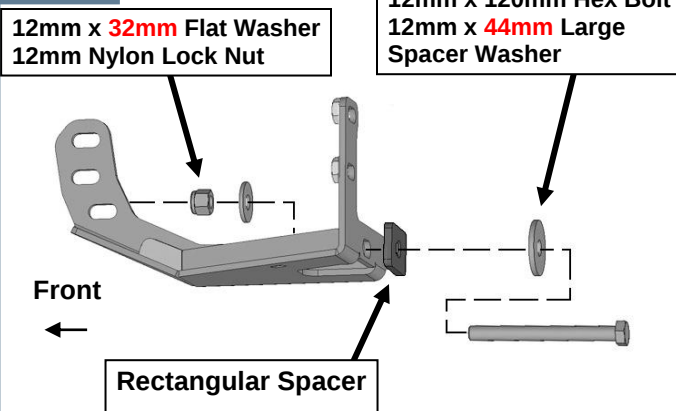


(Fig 6) Reuse the (2) factory hex nuts to attach driver/left Frame Mounting Bracket to the inner impact bumper bracket

STEP 7

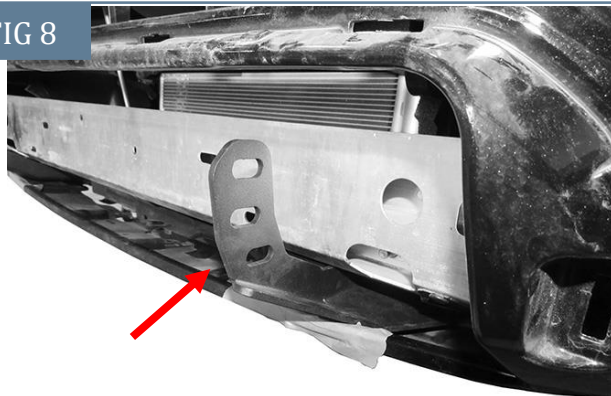
Insert (1) 12mm x 120mm Hex Bolt with (1) 12mm x **44mm** Spacer Washer through the back of the frame crossmember. Slide (1) Rectangular Spacer between the Bracket and the front of the crossmember, **(Fig 7)**. Guide the long Hex Bolt through the Spacer and Bumper Bracket. Secure the Bracket to the long 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



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

FIG 8



(Fig 8) Driver/left Frame Bracket installed

STEP 8

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

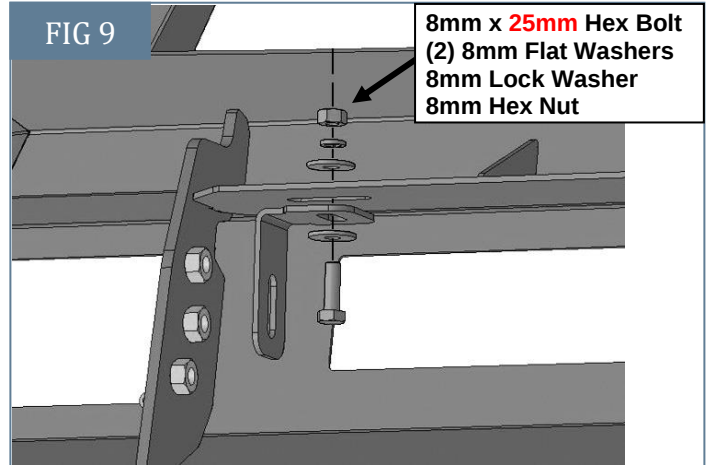
STEP 9

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

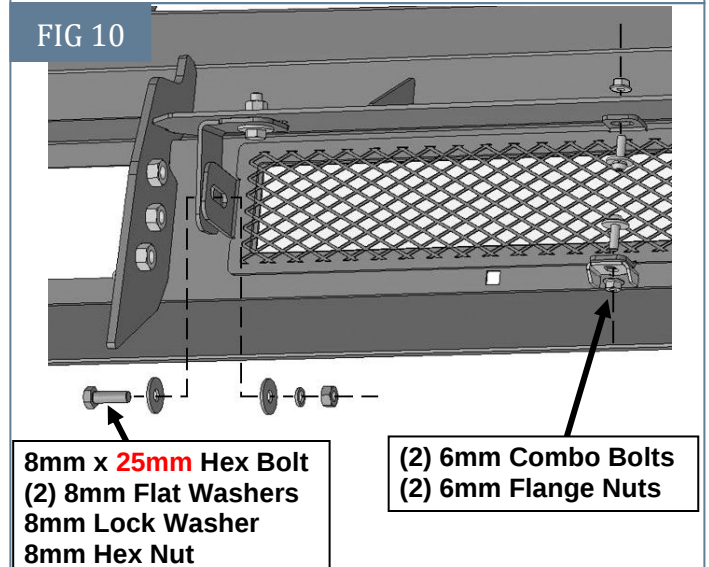
IMPORTANT: It may be easier to install Center Fill Panels and/or lights before installing Bumper.

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 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.



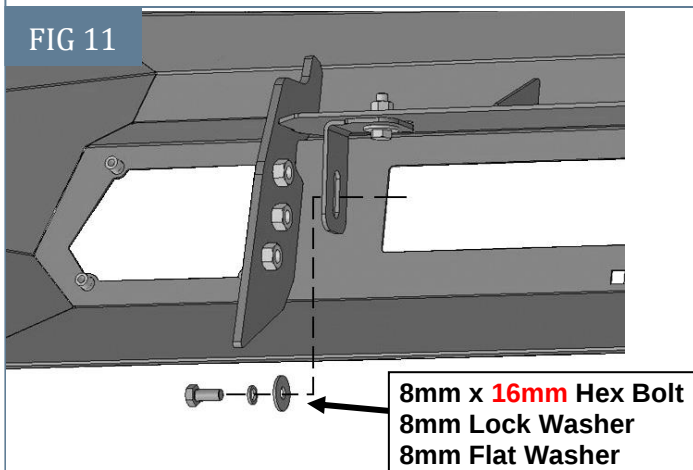
(Fig 9) Attach Fill Panel “L” Bracket for Mesh Panel or inner LED light bar installation (optional). Back of driver/left side illustrated



(Fig 10) Attach Center Mesh Fill Panel to “L” Brackets and tabs on back of Bumper

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.

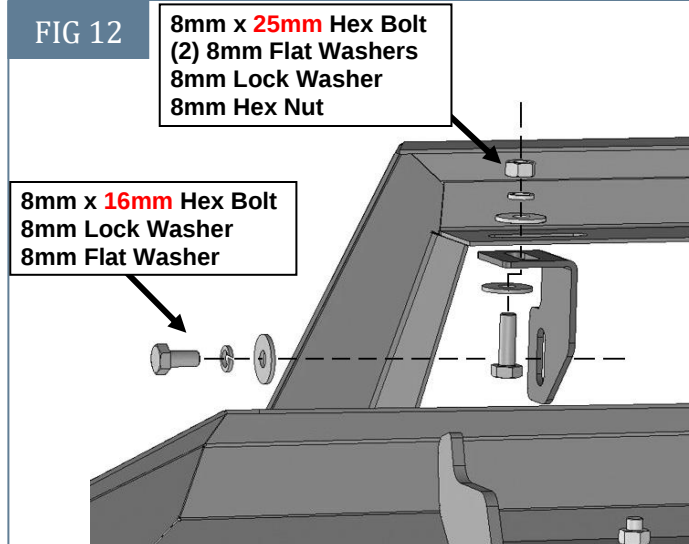


(Fig 11) Example LED light bar to "L" Brackets (optional)

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 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.

FIG 12

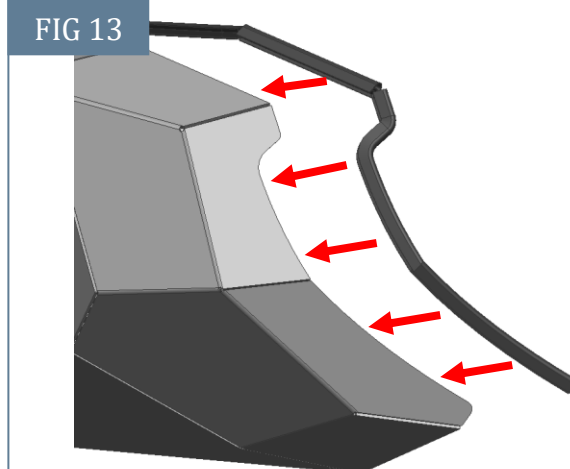


(Fig 12) Driver/left Top "L" LED Bracket installed

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.

FIG 13



(Fig 13) Push Edge Trim onto both ends of Bumper

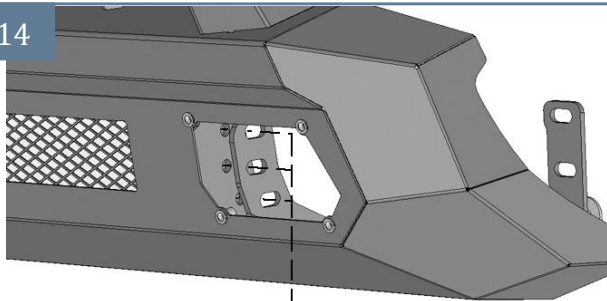


WARNING! Do not crawl under bumper unless it is properly supported on blocks or stands or the bumper may fall.

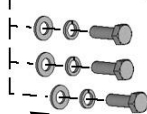
STEP 11

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 Bumper.

FIG 14

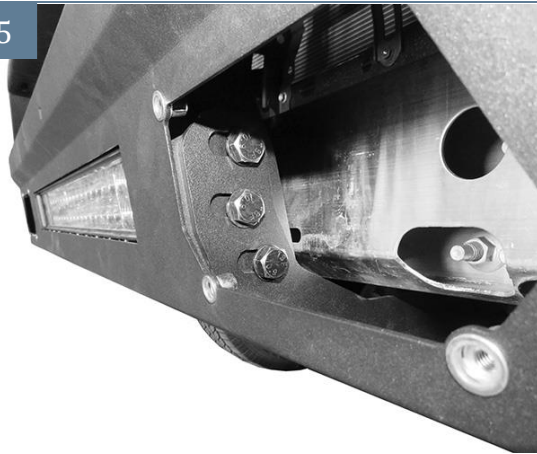


(3) 10mm x 30mm Hex Bolts
(3) 10mm Lock Washers
(3) 10mm Flat Washers



(Fig 14) Attach Bumper to Frame Brackets

FIG 15



(Fig 15) Driver/left side of Bumper attached

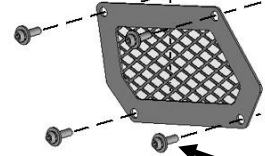
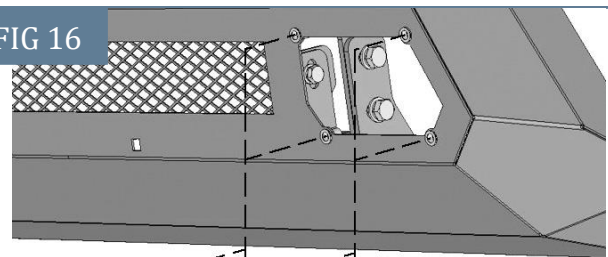
STEP 12

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

FIG 16



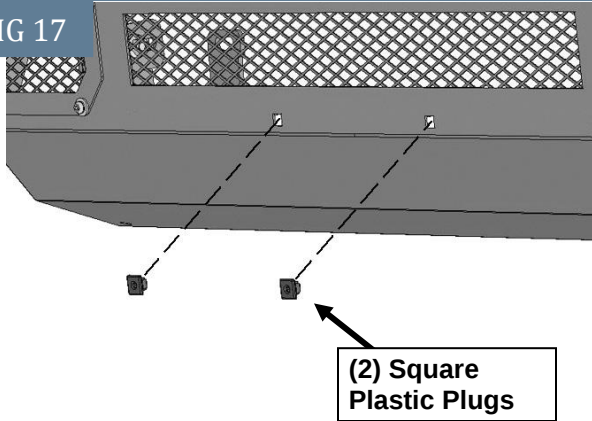
(4) 6mm Combo Bolts

(Fig 16) Attach Mesh Fill Panels (driver/left side illustrated)

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**).

FIG 17



(Fig 17) Attach License Plate to Square Plastic Plugs

FIG 18



(Fig 18) Complete Installation (light not included)

STEP 15

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