



**BLACK HORSE
OFF ROAD®**

TEL: 1-866-XANATOS

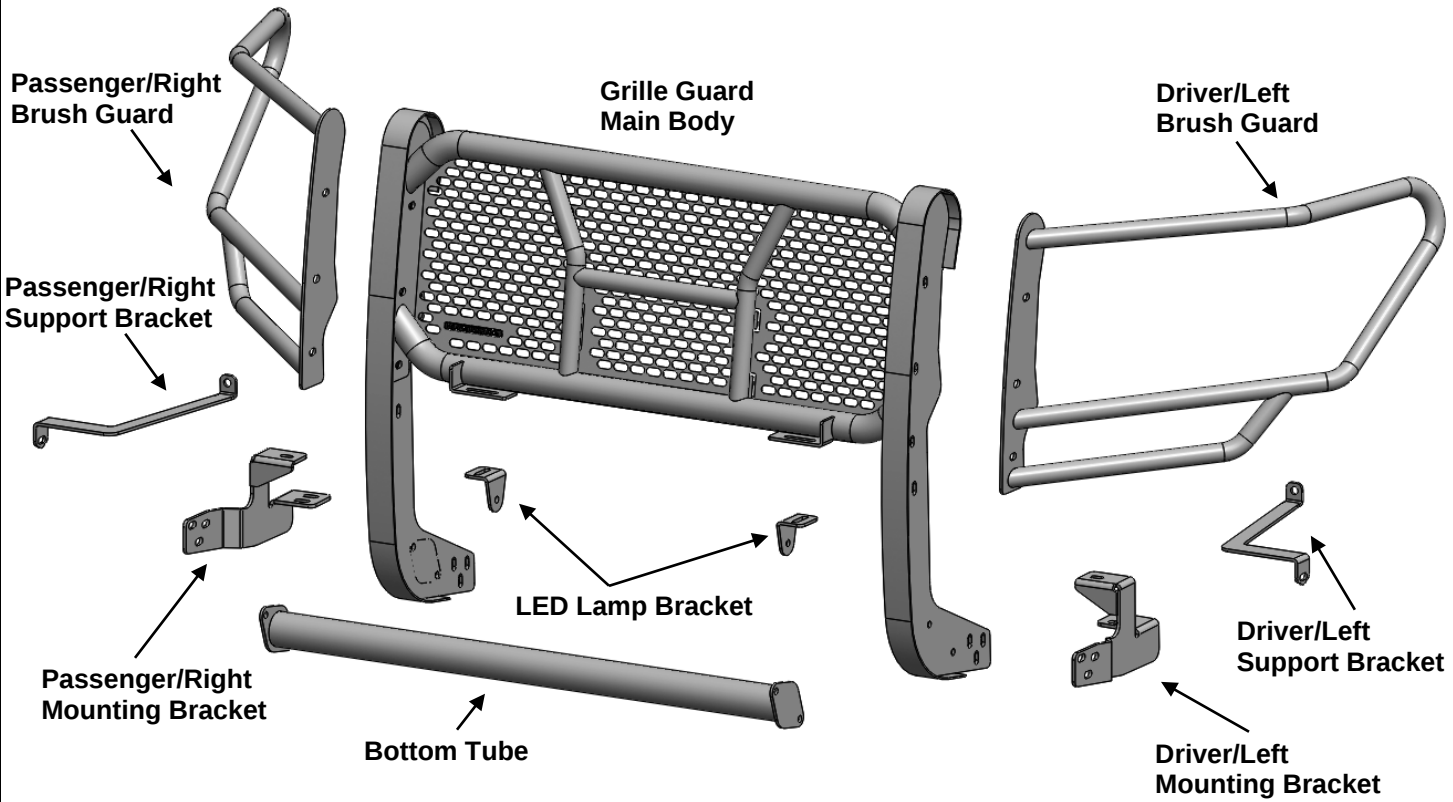
INSTALLATION INSTRUCTIONS

**MODULAR RUGGED GRILLE GUARD
2024 TOYOTA TACOMA
PART# RU-TOTA24-B**

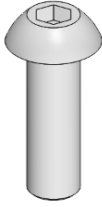
Installation Instructions

PARTS LIST:

Qty	Item Description	Qty	Item Description
1	Grille Guard Main Body	2	8-1.25mm x 25mm Button Head Bolt
1	Driver/Left Brush Guard	6	8mm x 24mm x 2mm Flat Washer
1	Passenger/Right Brush Guard	2	8mm Nylon Lock Nut
1	Bottom Tube	2	8mm Lock Washer
2	Uprights	6	10-1.5mm x 35mm Hex Bolt
1	Driver/Left Mounting Bracket	8	10-1.5mm x 35mm Button Head Bolt
1	Passenger/Right Mounting Bracket	4	10-1.5mm x 30mm Button Head Bolt
1	Driver/Left Support Bracket	20	10mm x 24mm x 2.2mm Flat Washer
1	Passenger/Right Support Bracket	18	10mm x 27mm x 3mm Flat Washer
2	LED Lamp Bracket	10	10mm Hex Nut
2	10mm Plastic Retainer	10	10mm Nylon Lock Nut
2	Bolt Plate	10	10mm Lock Washer
2	8-1.25mm x 16mm Button Head Bolt	1	6mm Allen Wrench



Hex Bolt



Button
Head Bolt



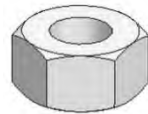
Lock
Washer



Flat
Washer



Nylon
Lock Nut



Hex Nut

TOOLS REQUIRED



Ratchet



15mm Socket

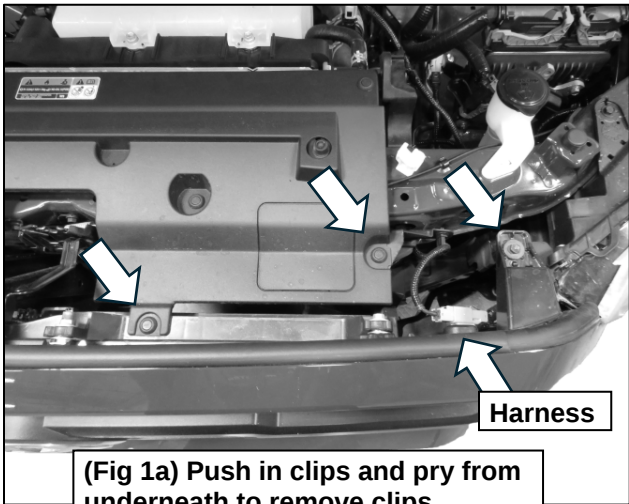


Extensions

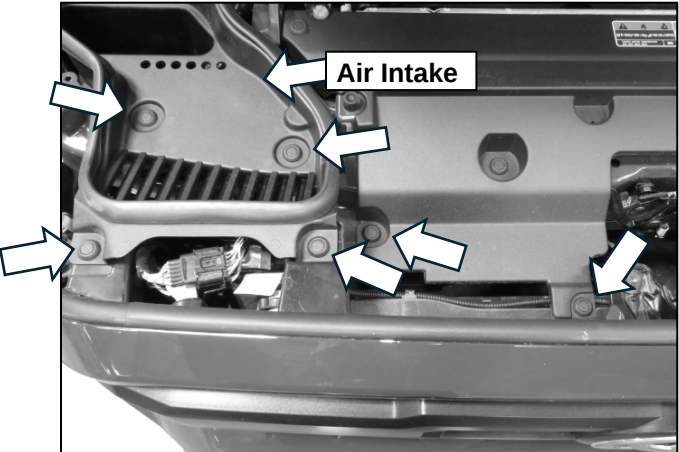


Wrench

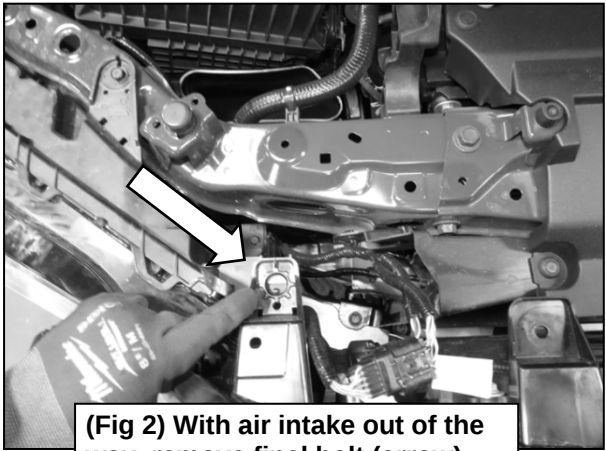
- 1** Follow (Fig 1 – 10) to attach remove Front Fascia to unclip Shutter, then reattach Front Fascia to vehicle.



(Fig 1a) Push in clips and pry from underneath to remove clips, remove bolts holding top of grille. Remove harness attached to grille.



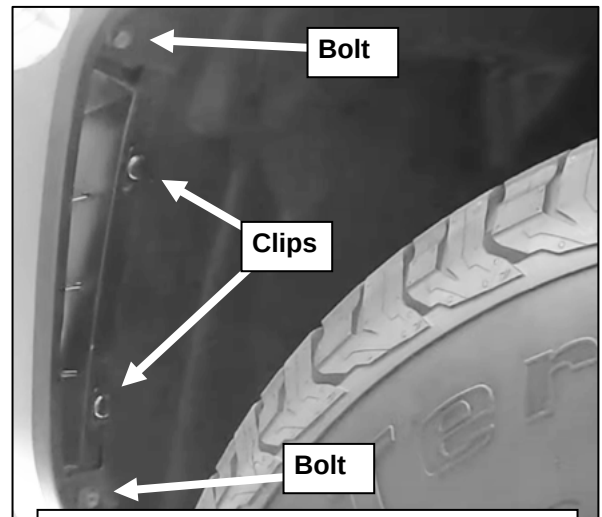
(Fig 1b) Remove remaining clips and factory bolts. After bolts are removed lift and remove air intake to expose hidden bolt.



(Fig 2) With air intake out of the way, remove final bolt (arrow) attaching grille. (Passenger Side)



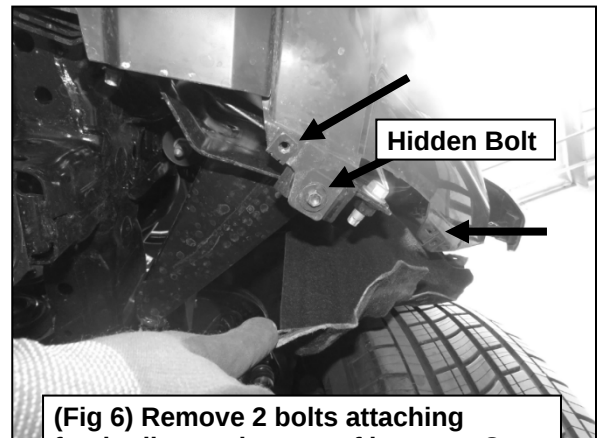
(Fig 3) Unplug harnesses (Passenger Side)



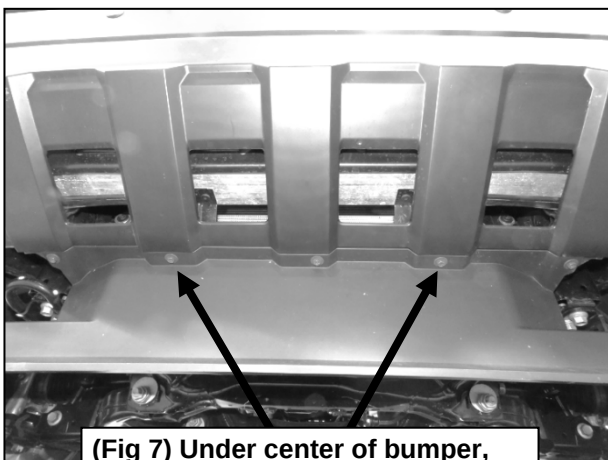
(Fig 4) Remove clips and bolts attaching fender liner. Repeat to passenger side.



(Fig 5) Pull/Tug fender flare straight out to expose bolt. Remove bolt attaching fascia to fender. Repeat to passenger side.



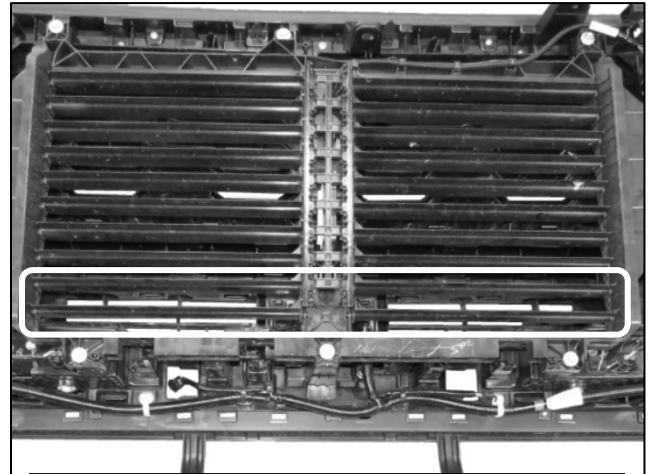
(Fig 6) Remove 2 bolts attaching fender liner to bottom of bumper. Once fender liner is out of the way, remove hidden bolt attaching bumper to frame.



(Fig 7) Under center of bumper, remove bolts from lower valence.



(Fig 8) With the top, bottom, and sides unclipped and unbolted, gently pull straight out on the sides (arrows) to take off the front clip.



(Fig 9) Remove bottom two shutter louvers from front clip. The shutters are held in place by dowels on each end. To remove, simply bend and twist to gain the necessary clearance to slide out of the assembly.



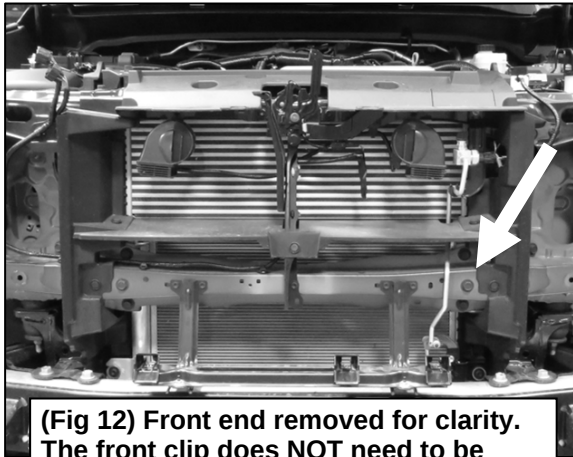
(Fig 10) After louvers have been removed, reinstall bumper and grille

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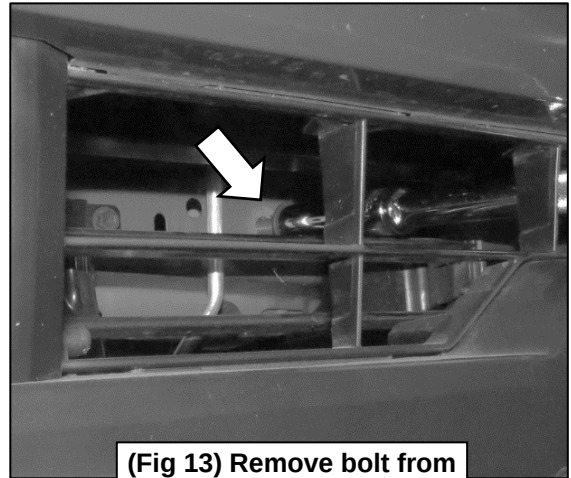
Follow (Fig 11 – 25) to attach Support and Frame Mounting Brackets, then attach Grille Guard to Brackets. Complete each step on both Passenger and Driver side. Ensure all hardware is hand tightened at this point.



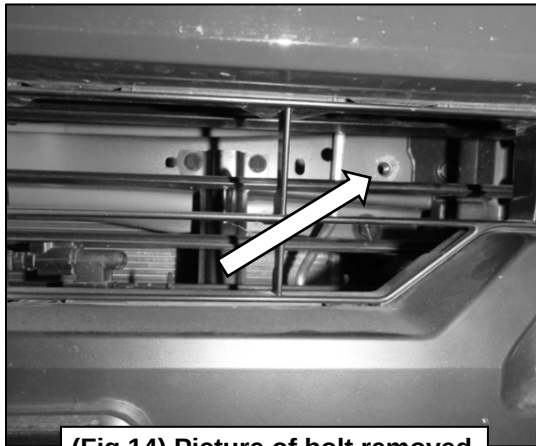
(Fig 11) Locate area circled to attach Support Bracket



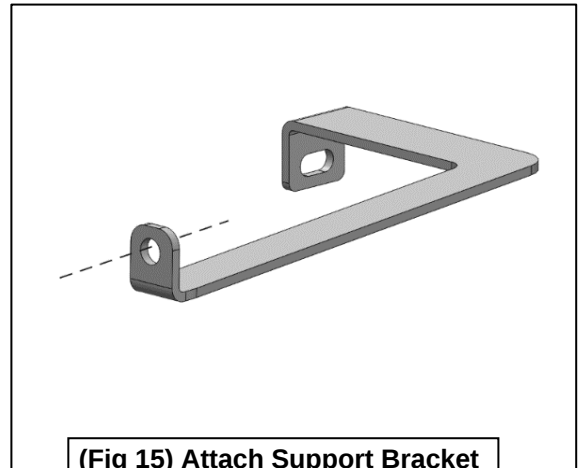
(Fig 12) Front end removed for clarity. The front clip does NOT need to be removed at this step. Shown (Arrow) is bolt needing to be removed in Fig 13.



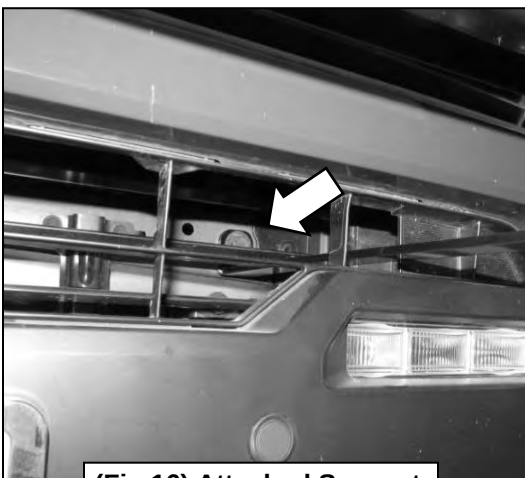
(Fig 13) Remove bolt from behind bumper grille



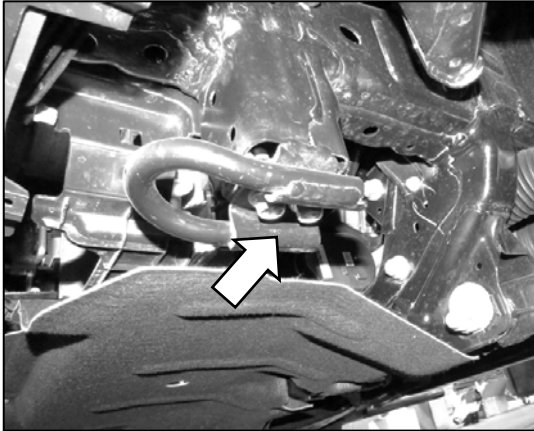
(Fig 14) Picture of bolt removed



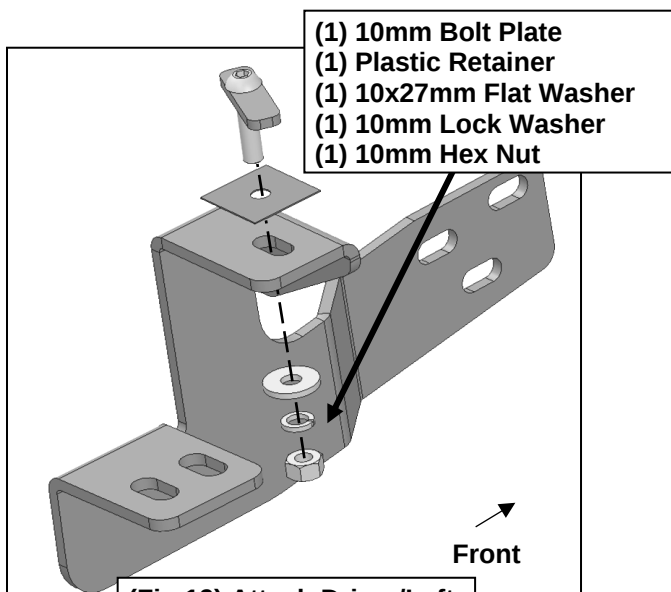
(Fig 15) Attach Support Bracket reusing bolt from Fig 13



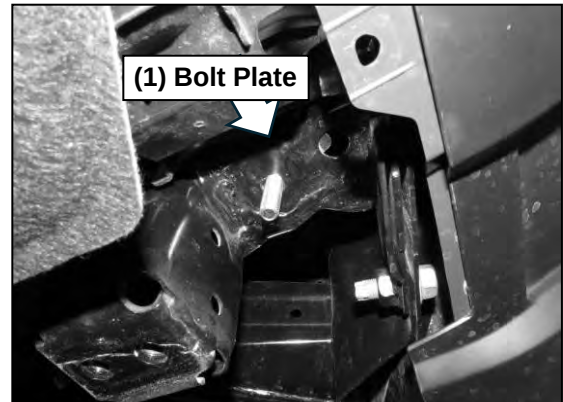
(Fig 16) Attached Support Bracket with OE bolt



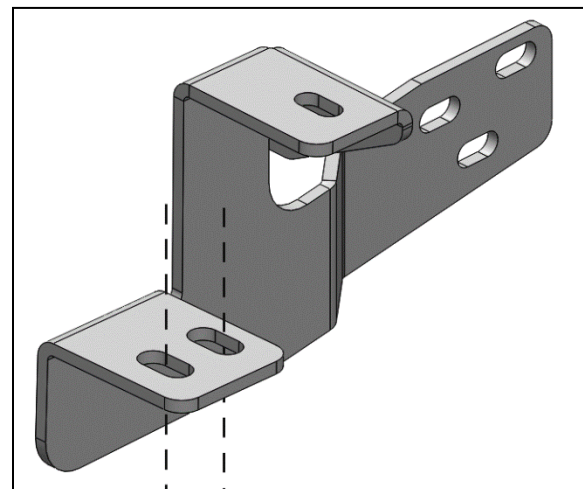
(Fig 17) Temporarily remove Tow Hooks (If equipped) by removing bolts (Arrow). Factory bolts will be re-used in Fig 20



(Fig 19) Attach Driver/Left Frame Mounting Bracket to Bolt Plate from Fig 18



(Fig 18) Move under the driver side frame rail. Insert bolt plate into 2nd hole from factory bumper mount. Use Plastic Retainer to keep Bolt Plate in place.

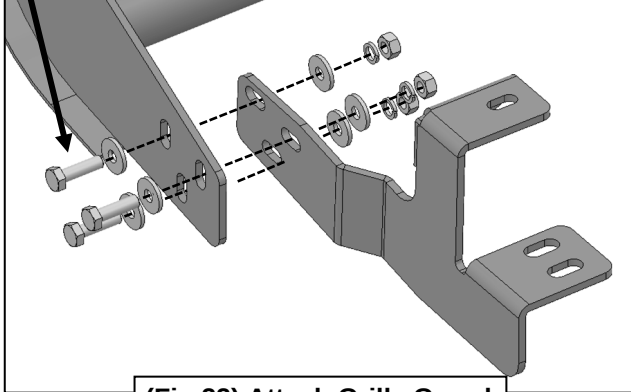


(Fig 20) Attach Driver/Left Frame Mounting Bracket reusing Bolts from Fig 17



(Fig 21) Attached Frame Mounting Bracket to Driver/Left side

- (3) 10 x 35 mm Hex Bolts
- (6) 10 x 27mm Flat Washers
- (3) 10mm Lock Washers
- (3) 10mm Hex Nuts

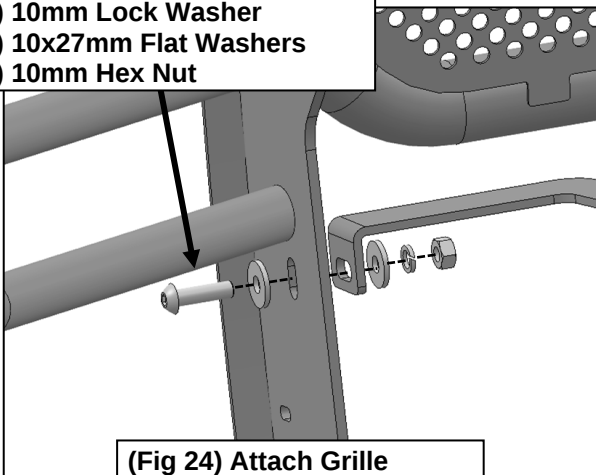


(Fig 22) Attach Grille Guard
to Frame Mounting Bracket

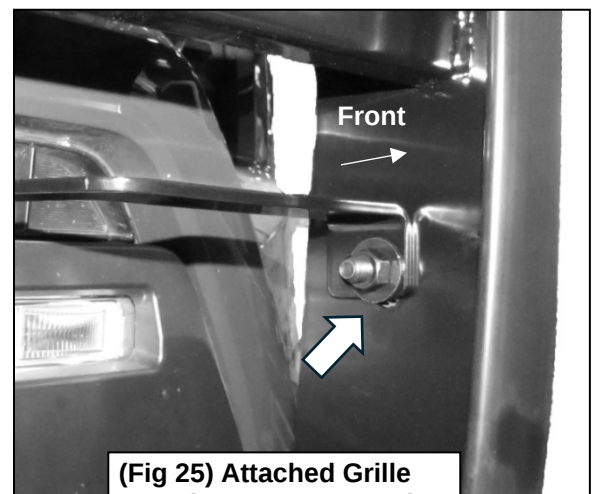


(Fig 23) Attached Grille Guard
to Frame Mounting Bracket

- (1) 10x35mm Button Head Bolt
- (1) 10mm Lock Washer
- (2) 10x27mm Flat Washers
- (1) 10mm Hex Nut



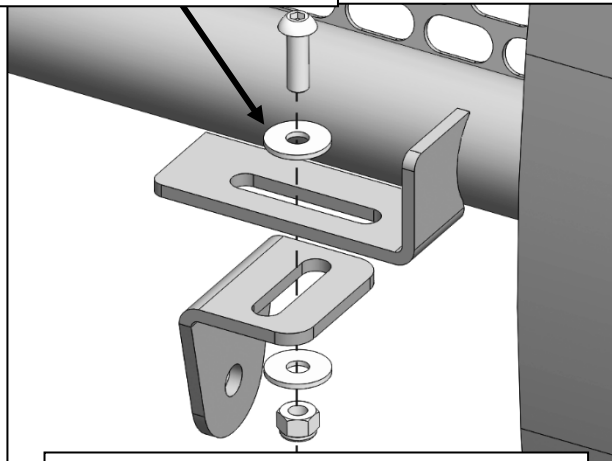
(Fig 24) Attach Grille
Guard to Support Bracket



(Fig 25) Attached Grille
Guard to Support Bracket

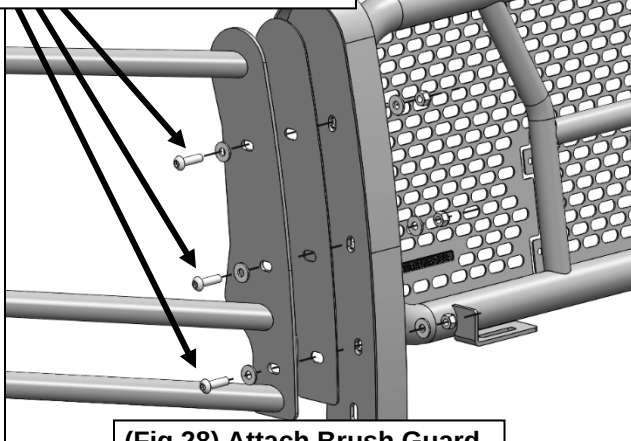
Follow (Fig 26 – 30) to attach LED Brackets and LED Lights if using, then attach Brush Guard and Bottom Tube. Ensure hardware is hand tightened at this point.

- (1) 8x25mm Button Head Bolt
- (2) 8x24mm Flat Washer
- (1) 8mm Lock Nut

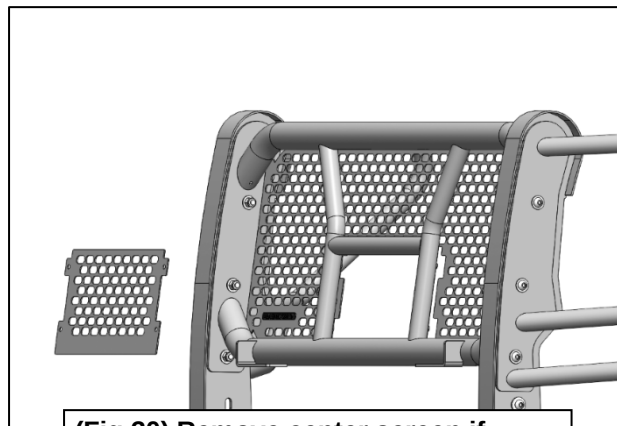


(Fig 26) If using LED Light (not included), attach LED Lamp Bracket

- (3) 10x35mm Button Head Bolt
- (6) 10x24mm Flat Washers
- (3) 10mm Lock Nut

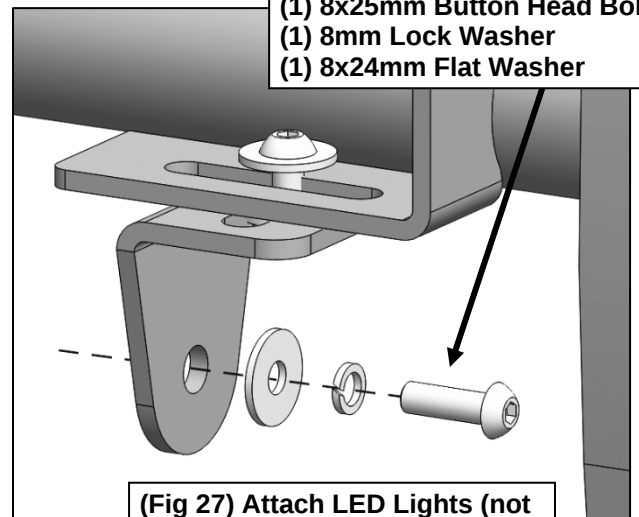


(Fig 28) Attach Brush Guard to Grille Guard Main Body



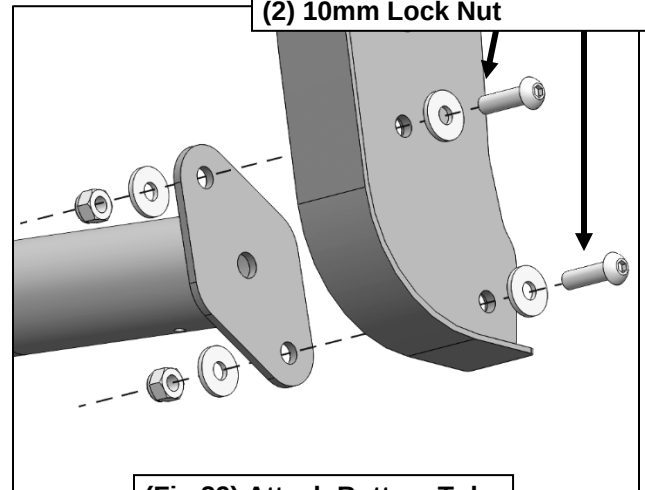
(Fig 30) Remove center screen if equipped with grille mounted camera

- (1) 8x25mm Button Head Bolt
- (1) 8mm Lock Washer
- (1) 8x24mm Flat Washer



(Fig 27) Attach LED Lights (not included) to LED Lamp Bracket

- (2) 10x30mm Button Head Bolt
- (4) 10x24mm Flat Washer
- (2) 10mm Lock Nut

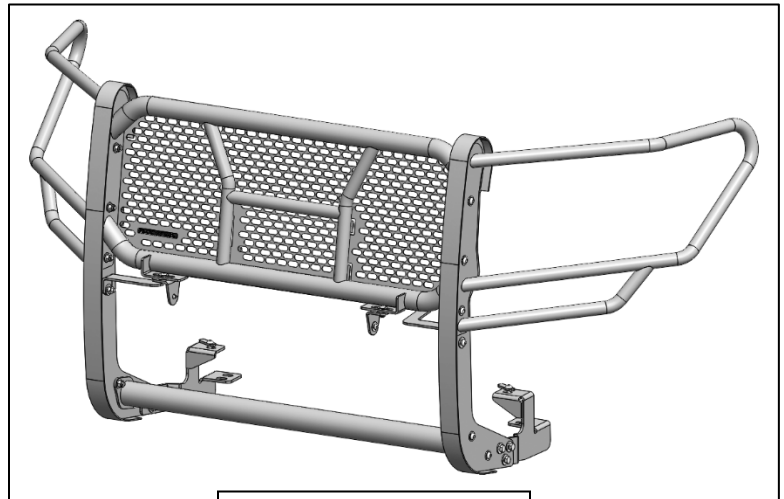


(Fig 29) Attach Bottom Tube to Grille Guard Main Body

Ensure the Grille Guard is level and clearing the Adaptive Cruise Control **(Fig 31)**, then tighten all fasteners. Installation is complete. Do periodic inspections of the installation to make sure that all hardware is secure and tight.



(Fig 31) Ensure the Grille Guard bar does not block or interfere with the Adaptive Cruise Control Sensor (white box)



Completed Installation