



**Assembly, Installation, Operation and
Maintenance Instructions
GRILLE GUARD**

**Part Number:
E0038B/S**

90 minutes

Dealer / Installer: Provide a copy of these instructions to the end user of this product. These instructions provide important operating and safety information for proper usage of this product. Demonstrate the proper use of the product with the end user. Have the end user demonstrate that they understand the proper use of the product.

End User: Read and follow all instructions included in this manual. Ask your Dealer / Installer for assistance if you do not understand the proper use of the product. Never remove any decals from the product. Failure to follow these instructions can result in injury or death.

⚠️ WARNING ⚠️

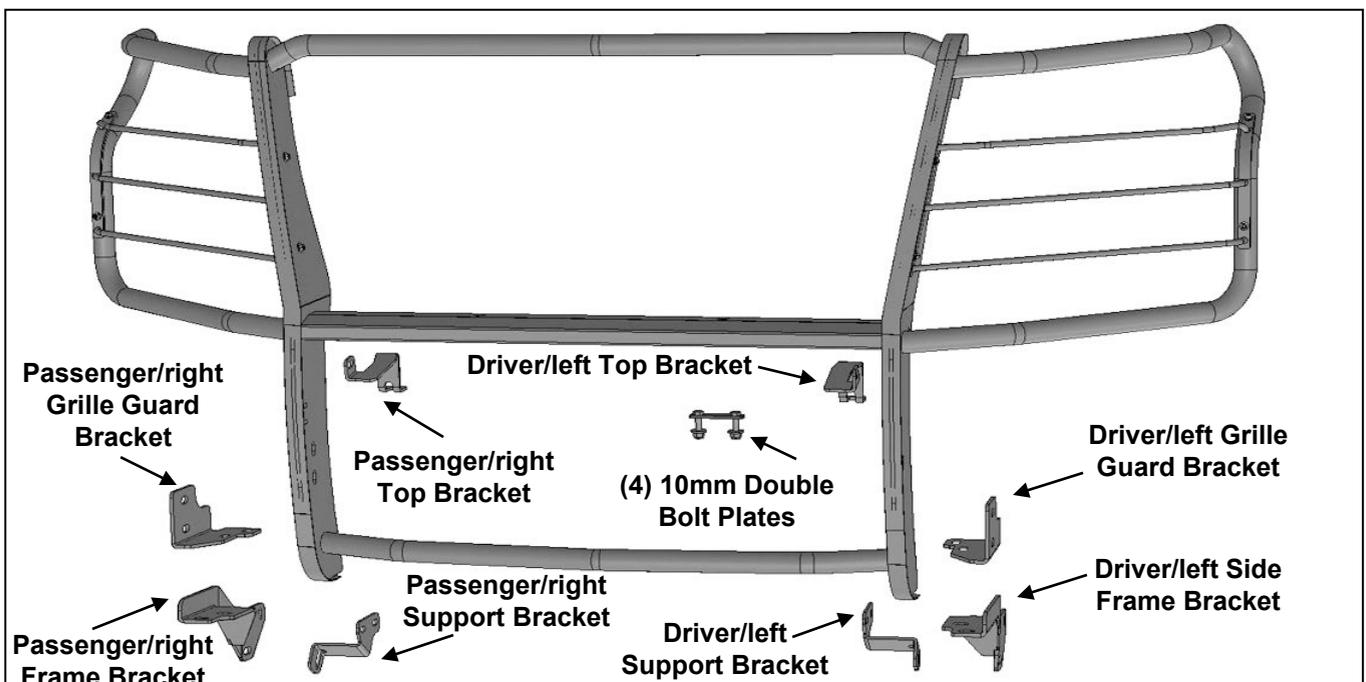
APPLICATION: 2020-2022 CHEVY SILVERADO 2500-3500 HD

PARTS LIST

Qty	Part Description	Qty	Part Description
1	Grille Guard	4	12mm x 120mm Hex Bolts
1	Driver/left Frame Bracket	10	12-1.75mm x 35mm Hex Bolts
1	Passenger/Right Frame Bracket	24	12mm x 37mm x 3mm Large Flat Washers
1	Driver/left Frame Support Bracket	4	12mm x 24mm x 2.5mm STD Flat Washers
1	Passenger/right Frame Support Bracket	14	12-1.75mm Nylon Lock Nuts
1	Driver/left Grille Guard Mounting Bracket	4	10mm x 35mm Double Bolt Plates
1	Passenger/Right Grille Guard Mounting Bracket	2	10-1.5mm x 35mm Hex Bolts
1	Driver/left Top Mounting Bracket	12	10mm x 27mm OD x 3mm Flat Washers
1	Passenger/Right Top Mounting Bracket	10	10-1.5mm Nylon Locknuts
2	600mm x 50mm x 1mm Adhesive Foam Strips	1	Wrench

TORQUE SPECIFICATION

Size	Torque	Size	Torque
12 MM	70 ft/lbs	10 mm	34.5 ft/lbs



INSTALLATION PROCEDURE:

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

1. Start installation at the driver/left wheel opening. Remove the hardware attaching the fender liner to the front of the fender and the end of the plastic body panel below the headlight, (fascia), (Figure 1). Carefully pull the fender flare out to release the clips attaching it to the body panel and end of the fender, (Figure 2). **IMPORTANT:** Only release the forward end of the flare, it is not necessary to remove the entire flare. Remove the screws attaching the end of the fascia panel to the front fender, (Figure 3).
2. Carefully pull out the plastic fascia panel below the headlight to release from clips, (Figure 4).
3. Repeat Steps 1 & 2 to remove the passenger/right fascia panel from below headlight, (Figure 4).
4. Open the hood and remove the hood release handle. Remove the plastic cover from the top of the radiator and the grille, (Figure 4). Temporarily reinstall the hood release handle.
5. Remove the hardware attaching the grille and pull it straight out from the vehicle. On models with grille mounted camera, unplug harness leading to the camera and remove the grille, (Figures 5 & 6).
6. From above the bumper, locate the driver/left top bumper bracket bolt, (Figure 7). Remove the plastic trim from the top of the bumper. **NOTE:** Trim must be removed or cut to clear Top Brackets, (Figure 8).
7. Select the driver/left Top Bracket, (Figure 9). Reuse the factory bumper bolt to attach the Top Bracket to the top of the bumper bracket, (Figure 10). Do not fully tighten at this time.
8. Repeat Steps 6 & 7 to attach the passenger/right Top Bracket.
9. Determine if the vehicle is equipped with tow hooks

Models with tow hooks:

- a) Remove the factory bolts attaching the driver/left tow hook to the end of the frame, (Figure 11). It may be necessary to partially remove the tow hook to insert the outer Frame Bracket through the tow hook opening in the bumper, (Figure 13). Trim opening in bumper as necessary to clear the Frame Bracket.
- b) Attach the driver/left outer Frame Bracket and inner Support Bracket to the end of the frame with (2) 12mm x 120mm Hex Bolts, (4) 12mm x 37mm Large Flat Washers and (2) 12mm Nylon Lock Nuts, (Figure 12). Do not fully tighten hardware at this time.
- c) Next, attach the bottom of the Inner Support Bracket to the Outer Frame Bracket with (1) 12mm x 35mm Hex Bolt, (2) 12mm x 24mm STD Flat Washers and (1) 12mm Nylon Lock Nut, (Figure 12). Do not fully tighten hardware at this time.
- d) Repeat previous Steps to install the passenger/right Frame and Support Brackets

Models without tow hooks:

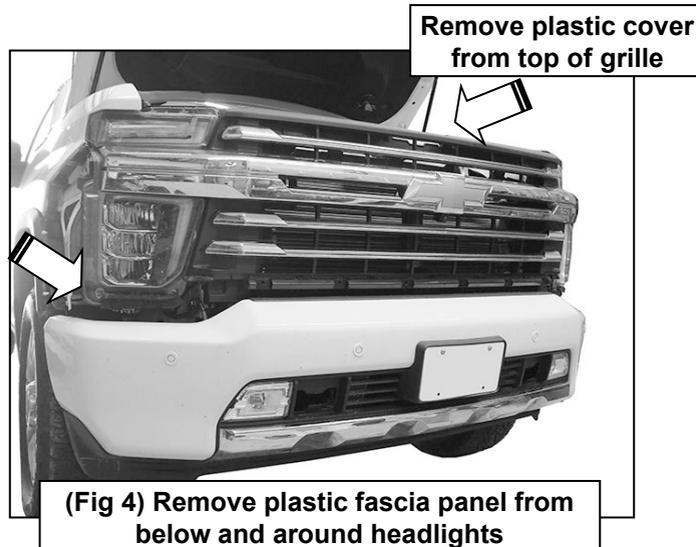
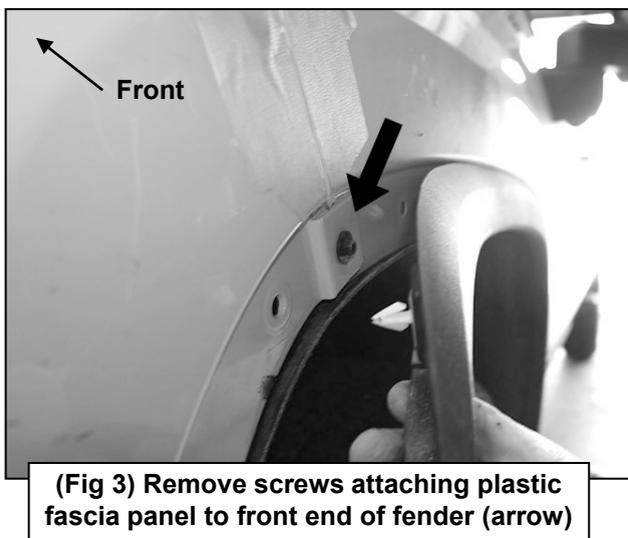
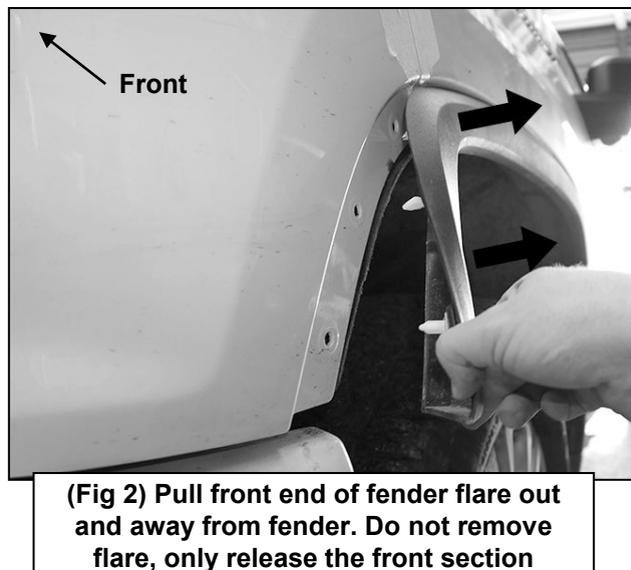
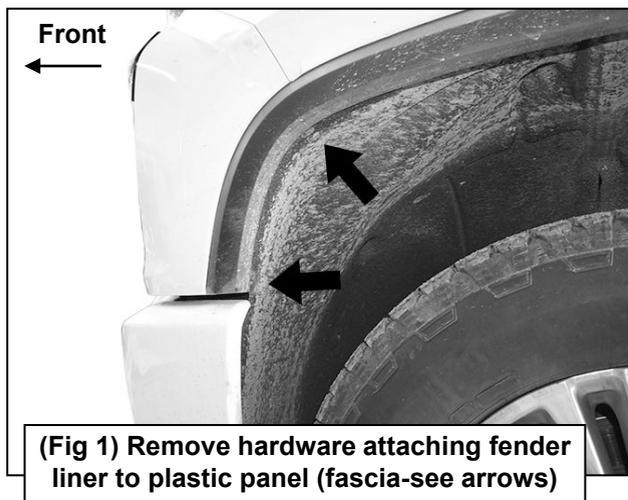
- a) **IMPORTANT:** The pocket in the plastic bumper may need to be cut out to clear the driver/left Frame Bracket, (Figure 13). Use a sharp knife or hacksaw blade and carefully cut out the pocket to clear the Frame Brackets. Only cut out enough plastic to clear the Brackets.
- b) Select (1) 10mm Double Bolt Plate, (Figure 14). Insert the Bolt Plate into the open end of the frame and out through the (2) outer holes in the frame, (Figure 15). Select the driver/left Outer Frame Bracket, (Figure 14). Carefully slide the Bracket through the tow hook opening and over the end of the frame and Bolt Plate. Attach the Bracket to the Double Bolt Plate with (2) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, (Figures 14 & 16). Leave hardware loose.
- c) Repeat the previous Steps to install a second Double Bolt Plate in the inner facing side of the frame. Select the driver/left Inner Frame Support Bracket. Attach the Support Bracket to the Bolt Plate with the included (2) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, (Figures 14 & 17). Leave hardware loose. Next, attach the bottom of the Inner Support Bracket to the Outer Frame Bracket with (1) 12mm x 35mm Hex Bolt, (2) 12mm x 24mm STD Flat Washers and (1) 12mm Nylon Lock Nut, (Figures 14, 16 —18). Do not fully tighten hardware at this time.
- d) Repeat the previous Steps to install the passenger/right Frame and Support Brackets.

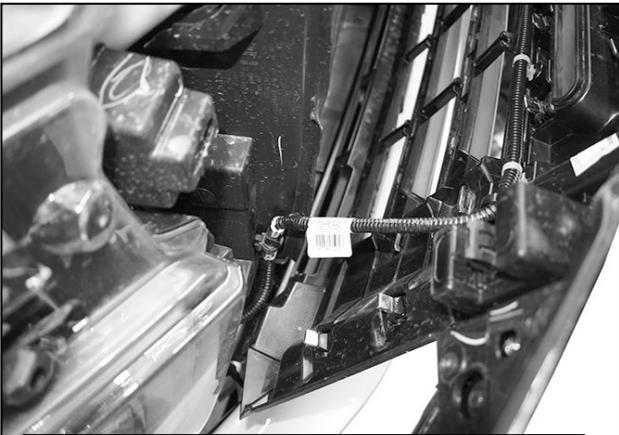
10. Next, select the driver/left Grille Guard Mounting Bracket, (Figure 19). Attach the Bracket to the bottom of the Frame Bracket with the included (2) 12mm x 35mm Hex Bolts, (4) 12mm x 37mm Large Flat Washers and (2) 12mm Nylon Lock Nuts, (Figure 19). On models with tow hooks, it may be necessary to loosen or temporarily remove the frame attaching bolts to insert the hardware. Leave hardware loose at this time. Repeat this Step to install the passenger/right Grille Guard Bracket.
11. With assistance, position the Grille Guard up to the outside of the Brackets. Attach the Grille Guard to the Frame Brackets with the included (4) 12mm x 35mm Hex Bolts, (8) 12mm x 37mm Large Flat Washers and (4) 12mm Nylon Lock Nuts, (Figures 20 & 21). Attach the Top Brackets to the Grille Guard with (2) 10mm x 35mm Hex Bolts, (4) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, (Figures 20 & 22). Do not fully tighten hardware.
12. Level and adjust the Grille Guard and fully tighten all Bracket to frame hardware only. Temporarily remove grille guard. Reinstall the grille, outer plastic fascia panels and plastic cover on top of grille.
13. Reattach Grille Guard to Brackets. Align the Grille Guard to vehicle and adjust as necessary and fully tighten all hardware.
14. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

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 to clean the Grille Guard.

INSTALLATION IMAGES:

Driver/left Side Installation Pictured





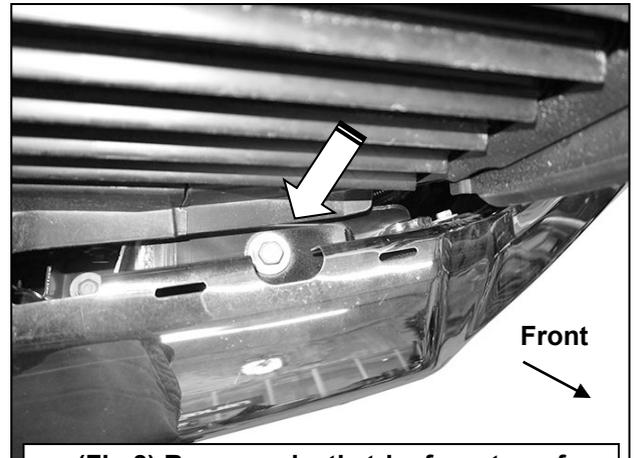
(Fig 5) Disconnect harness to camera (if equipped) and remove grille



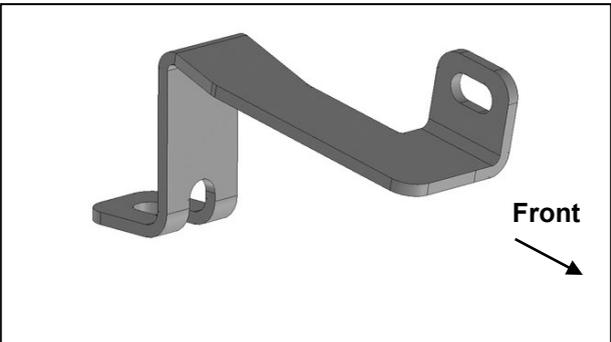
(Fig 6) Grille and fascia panels removed



(Fig 7) Locate and remove top bumper bracket bolts (arrow-driver/left side pictured)



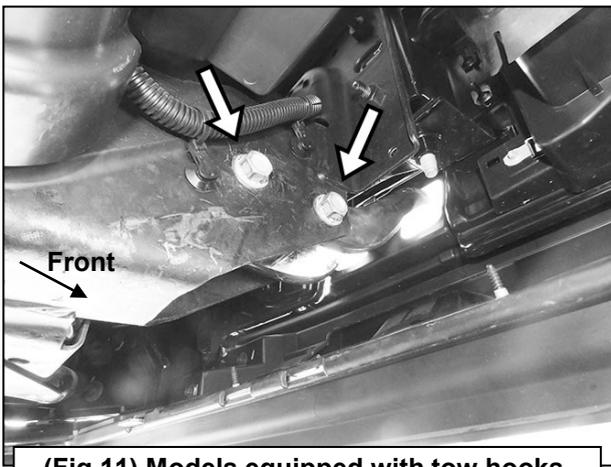
(Fig 8) Remove plastic trim from top of bumper. Plastic trim must be cut or removed to clear Top Brackets



(Fig 9) Driver/left Top Bracket illustrated

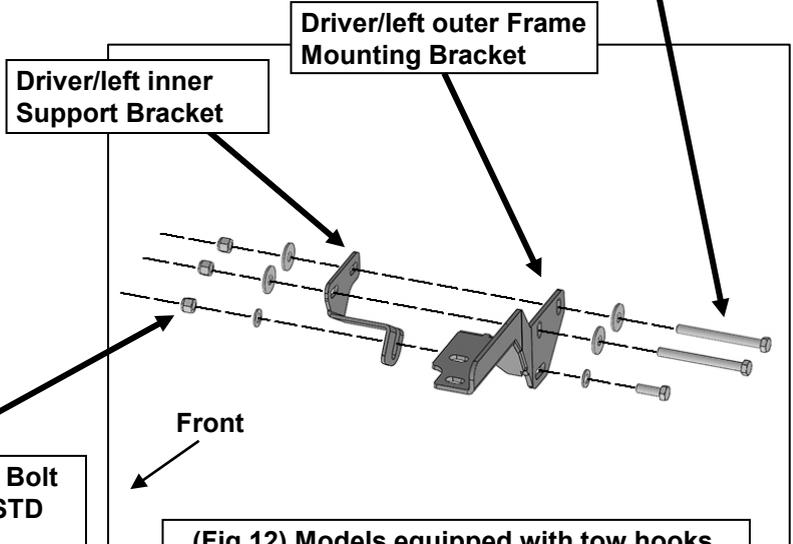


(Fig 10) Reuse top bumper bolt to attach driver/left Top Bracket to top of bumper bracket



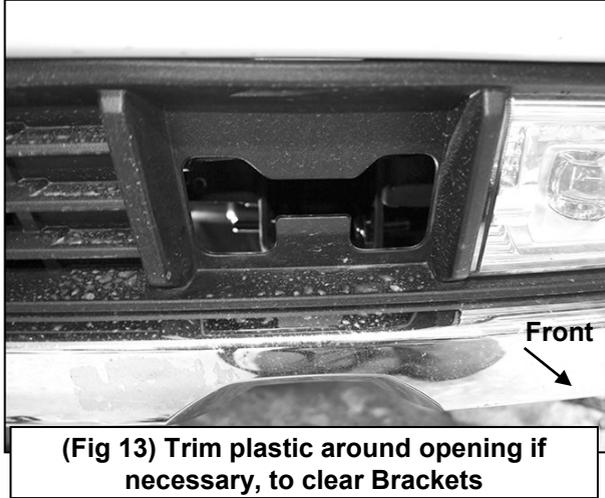
(Fig 11) Models equipped with tow hooks, remove bolts attaching tow hooks to end of frame (arrows). Leave tow hooks in place

- (2) 12mm x 120mm Hex Bolts
- (4) 12mm x 37mm Large Flat Washers
- (2) 12mm Nylon Lock Nuts



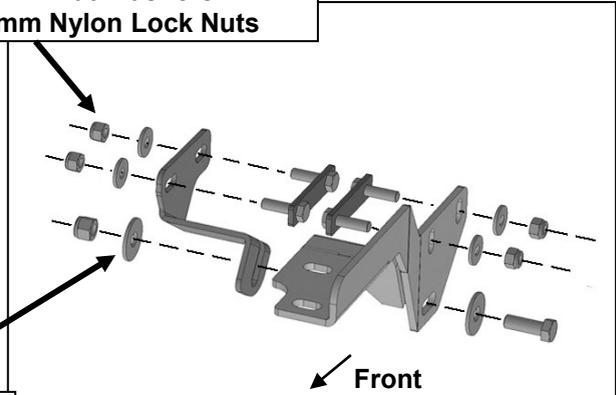
(Fig 12) Models equipped with tow hooks, attach driver/left outer Frame Mounting Bracket and inner Support Bracket to outside of frame. Leave tow hooks in place

- 12mm x 35mm Hex Bolt
- (2) 12mm x 24mm STD Flat Washers
- 12mm Nylon Lock Nut



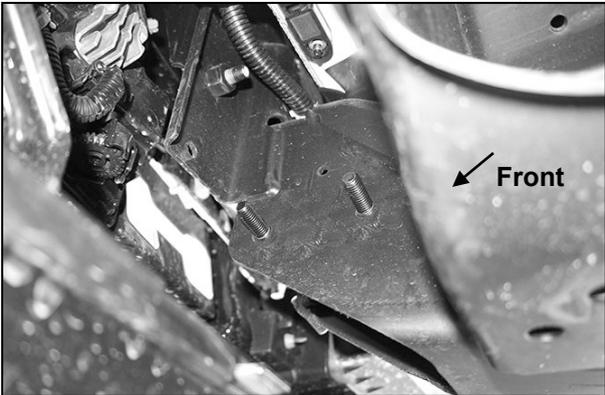
(Fig 13) Trim plastic around opening if necessary, to clear Brackets

- (2) 10mm Double Bolt Plates
- (4) 10mm Flat Washers
- (4) 10mm Nylon Lock Nuts



(Fig 14) Models without tow hooks, insert the included (2) 10mm Double Bolt Plates into the open end of the frame and out the holes in the sides. Attach the driver/left outer Frame Bracket and inner Support Bracket to the sides of the frame and Bolt Plates

- 12mm x 35mm Hex Bolt
- (2) 12mm x 24mm Small Flat Washers
- 12mm Nylon Lock Nut

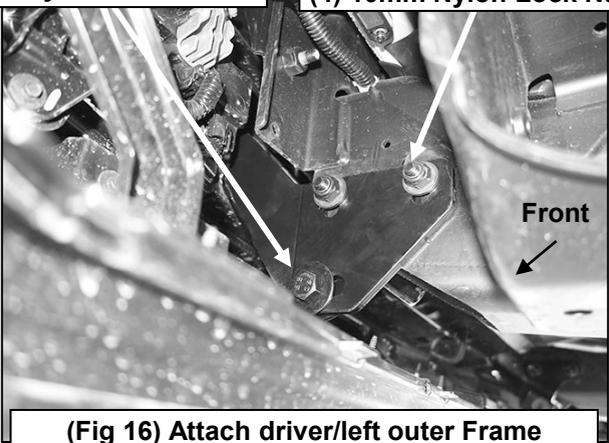


(Fig 15) Insert Double Bolt Plate through holes in outer side of frame (arrow)

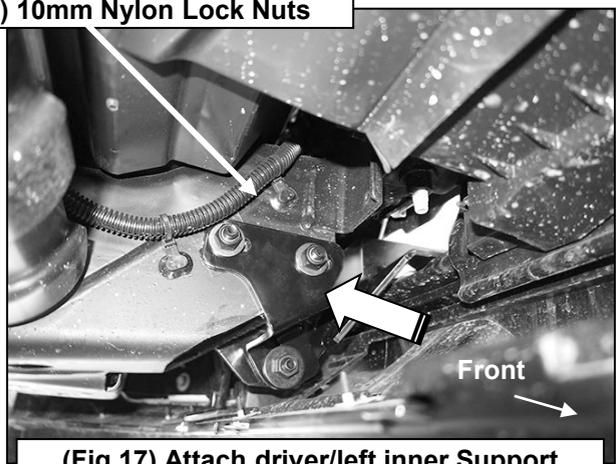
- 12mm x 35mm Hex Bolt
- (2) 12mm x 24mm STD Flat Washers
- 12mm Nylon Lock Nut

- (2) 10mm Double Bolt Plates
- (4) 10mm Flat Washers
- (4) 10mm Nylon Lock Nuts

- (2) 10mm Double Bolt Plates
- (4) 10mm Flat Washers
- (4) 10mm Nylon Lock Nuts



(Fig 16) Attach driver/left outer Frame Bracket to Double Bolt Plate



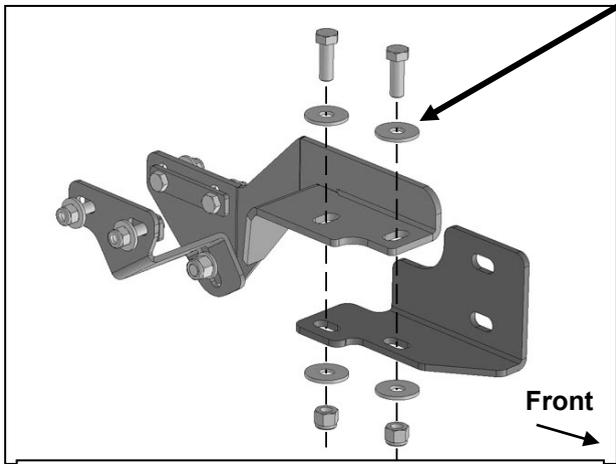
(Fig 17) Attach driver/left inner Support Bracket to Frame Bracket and Double Bolt Plate in frame (arrow). Driver/left side pictured from below/behind bumper



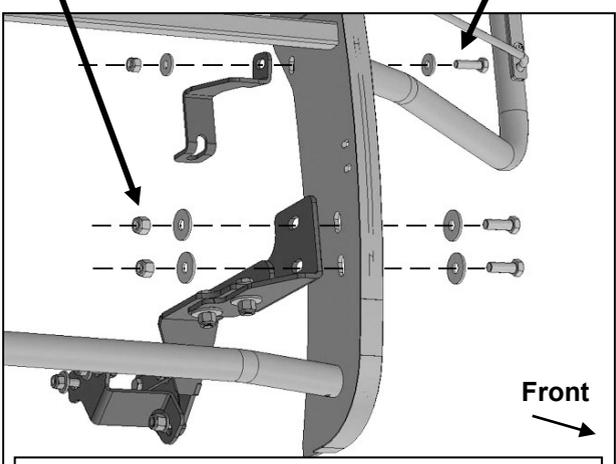
(Fig 18) Driver/left Frame Bracket installed

- (2) 12mm x 35mm Hex Bolts
- (4) 12mm x 37mm Large Flat Washers
- (2) 12mm Nylon Lock Nuts

- 10mm x 35mm Hex Bolt
- (2) 10mm Flat Washers
- 10mm Nylon Lock Nut

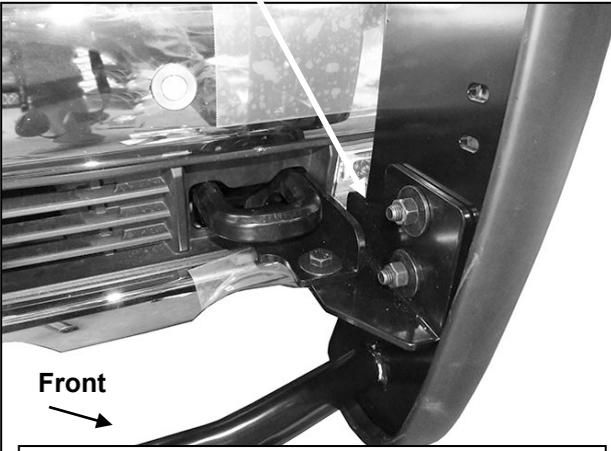


(Fig 19) Attach driver/left Grille Guard Bracket to bottom of Frame Bracket (driver/left side Brackets illustrated)



(Fig 20) Attach Grille Guard to Grille Guard Bracket and Top Bracket

(2) 12mm x 35mm Hex Bolts
(4) 12mm x 37mm Large Flat Washers
(2) 12mm Nylon Lock Nuts



(Fig 21) Attach Grille Guard to Mounting Brackets

10mm x 35mm Hex Bolt
(2) 10mm Flat Washers
10mm Nylon Lock Nut



(Fig 22) Attach Grille Guard to Top Bracket (driver/left side pictured)

PRODUCT CARE

- Periodically check the product to ensure all fasteners are tight and components are intact.
- Regular waxing is recommended to protect the finish of the product.
- Use ONLY Non-Abrasive automotive wax. Use of any soap, polish or wax that contains an abrasive is detrimental and can scratch the finish leading to corrosion.
- Mild soap may be used to clean the product for Black finish.

FAQ's

1. Hardware and mounting brackets are not aligning properly

Ensure that hardware is being used on the correct side of vehicle. In some cases, the hardware may appear the same for driver and passenger side but may alter the alignment of mounting location. Check mounting brackets for both sides.

2. Products are thumping / rattling after Installation

Ensure that all required mounting brackets / hardware's are installed & tightened correctly.

Suggest using white Lithium / regular grease between metal-to-metal contact.

3. Missing / Excess Hardware

Recheck hardware count as per the part list.

4. Product not installing properly

Ensure the Year / Make / Model as well as cab and bed dimensions are correct for the application. Review all steps for installation to ensure they were followed correctly.

5. Who should be contacted for questions regarding product / installation assistance?

www.trailfx.com / support@trailfx.com or 1-(866) 638-48700

Warranty Terms:

Black Powder Coated:
Stainless Steel Polished:

3 Year Limited Warranty
Limited Lifetime Warranty

TrailFX and Keystone Automotive Operations Inc. make no guarantees or warranties for products not manufactured by Keystone Automotive Operations Inc. Such products are covered solely under any applicable warranty of the manufacturer. It is always recommended that the operating instructions and warranty instructions provided by the manufacturer are followed.

Keystone Automotive Operations Inc. warrants its products to be free from manufacturing and material defects to the original purchaser for the length of warranty stated above from the date of retail purchase. If any products are found to have a manufacturing or material defect, the product will be replaced or repaired at the option of TrailFX and Keystone Automotive Operations Inc. with proof of purchase by the original purchaser. The original purchaser shall pay all transportation and shipping costs associated with the return of the defective product and the defective product shall become the property of Keystone Automotive Operations Inc.

The Warranty applies to Keystone Automotive Operations Inc. products used for individual and recreational purposes. Commercial usage of the Keystone Automotive Operations Inc. products limits the warranty to 90-days from date of purchase.

The Warranty applies only to Keystone Automotive Operations Inc. products which are found to be defective in manufacturing or material. This warranty does not apply to normal wear and tear of the finish placed on Keystone Automotive Operations Inc. products.

TrailFX and Keystone Automotive Operations Inc. are not responsible for any labor costs incurred for removal or replacement of the defective product.

TrailFX and Keystone Automotive Operations Inc. are not responsible for repair or replacement of any product under the limited warranty where the product was improperly installed, misapplied, altered, abused, neglected, overloaded, misused or damaged as a result of an accident, including any use of the product not in accordance with all product operating and safety instructions.

Without limiting the generality of the foregoing, TrailFX and Keystone Automotive Operations Inc. shall under no circumstances be liable for any incidental or consequential loss or damage whatsoever arising out of, or in any way relating to any such breach of warranty or claimed defect in, or non-performance of the products. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights that vary from state to state.