



Assembly, Installation, Operation,  
and Maintenance Instructions

**PART NUMBER:  
E0516B**

**EXTREME GRILLE GUARD**

**INSTALL TIME:  
120 minutes**

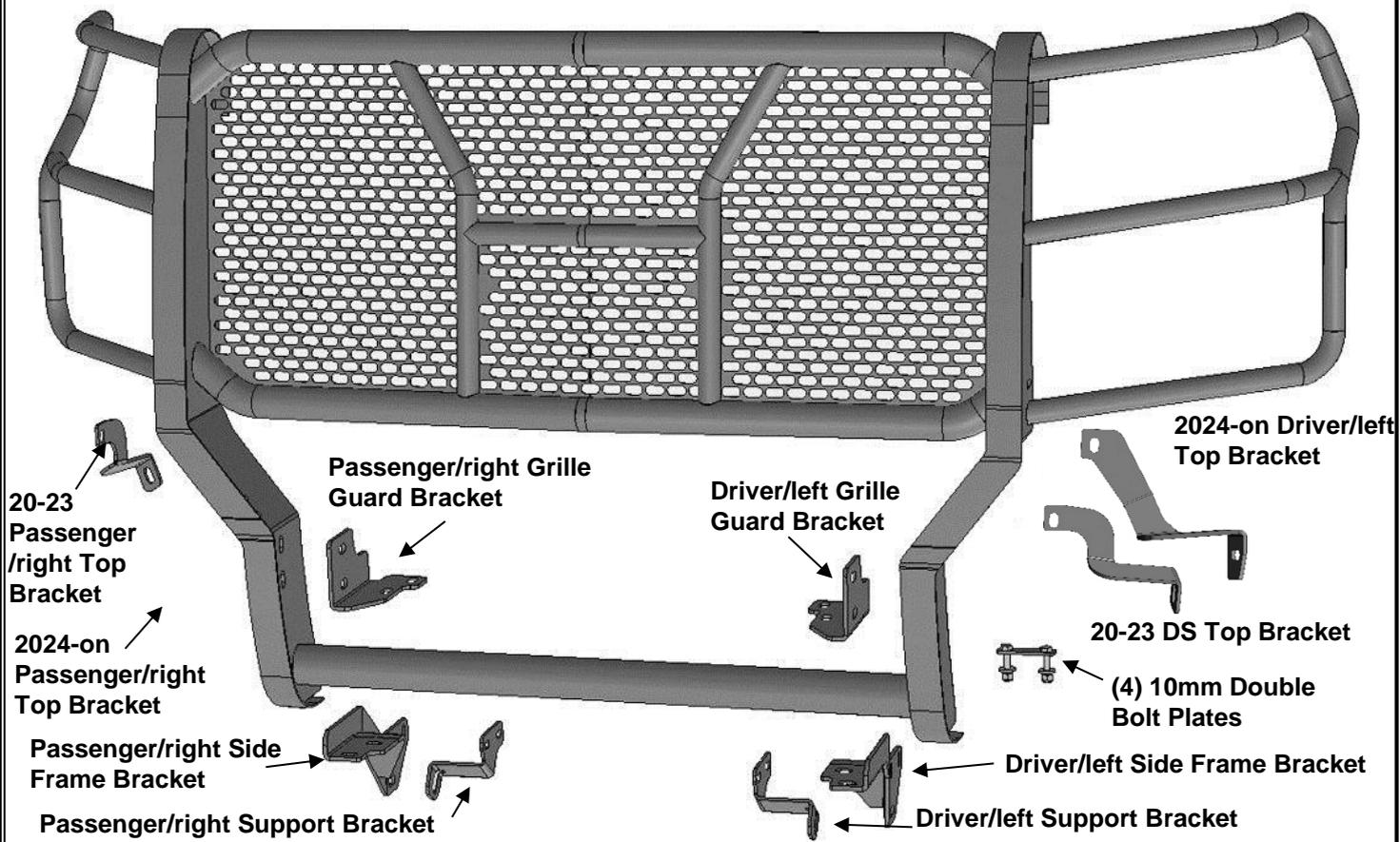
**2020-Current CHEVY SILVERADO 2500-3500 HD**

**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.

**PACKAGE CONTENTS**

1	HD 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 OD x 3mm Large Flat Washers
1	Driver/left Frame Support Bracket	4	12mm x 24mm OD 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	2020-23 Driver/left Top Mounting Bracket	12	10mm x 27mm OD x 3mm Flat Washers
1	2020-23 Passenger/right Top Mounting Bracket	10	10-1.5mm Nylon Lock Nuts
1	2024-on Driver/left Top Bracket	1	Allen Wrench
1	2024-on Passenger/right Top Bracket	2	Foam Strips



**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 from below and behind the driver/left side of the bumper. Locate and remove the top outer bumper bolt attaching the back of the bumper to the inner bumper bracket, **(Figure 1)**.
2. Select the correct Top Bracket installation for your model year:  
 Select the Driver/left Top Bracket, **(Figures 2a & 2b)**. Starting at the driver/left front wheel opening, carefully insert the 90-degree bent end of the Top Bracket into the gap between the fender liner and the front bumper, **(Figure 3)**. Slide the Top Bracket along the gap between the upper and lower bumper covers. Lift up on the fascia for more clearance if you experience difficulty sliding the brackets, **(Figure 4)**. Reuse the factory bumper bolt to attach the Top Bracket to the back of the bumper bracket, **(Figure 5)**. Do not fully tighten at this time. Repeat this Step to attach the Passenger/right Top Bracket.

3. 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 6)**. 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 7)**. 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 7)**. Do not fully tighten hardware at this time.

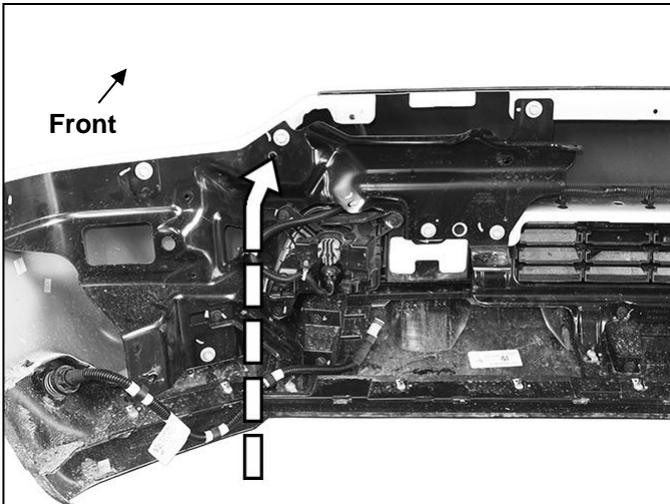
- c. Next, attach the bottom of the Inner Support Bracket to the Outer Frame Bracket with (1) 12mm x 35mm Hex Bolt, (2) 12mm x 24mm STD Flat Washers and (1) 12mm Nylon Lock Nut, **(Figure 7)**. Do not fully tighten hardware at this time.
- d. Repeat previous Steps to install the Passenger/right Frame and Support Brackets.

**Models without tow hooks.**

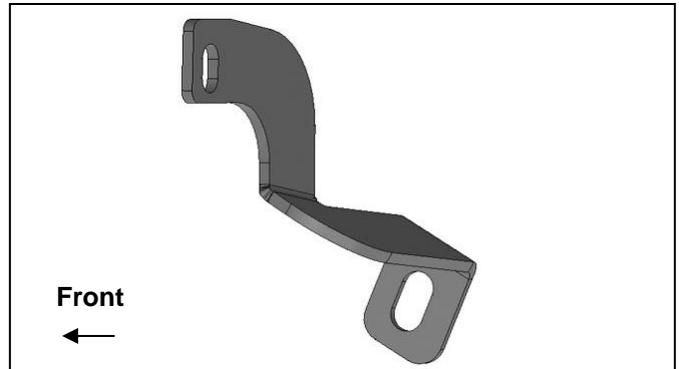
- a. **IMPORTANT:** The pocket in the plastic bumper may need to be cut out to clear the Driver/left Frame Bracket, **(Figure 9)**. Use a sharp knife or hacksaw blade and carefully cut out the pocket to clear the Frame Brackets. Only cut out enough plastic to clear the Brackets.
  - b. Select (1) 10mm Double Bolt Plate, **(Figure 8)**. Insert the Bolt Plate into the open end of the frame and out through the (2) outer holes in the frame, **(Figure 10)**. Select the Driver/left outer Frame Bracket, **(Figure 8)**. 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 8 & 11)**. Leave hardware loose.
  - c. Repeat the previous Steps to install a second Double Bolt Plate in the inner 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, **(Figure 12)**. 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 8, 11—13)**. Do not fully tighten hardware at this time.
  - d. Repeat the previous Steps to install the Passenger/right Frame and Support Brackets.
4. Next, select the Driver/left Grille Guard Mounting Bracket, **(Figure 14)**. 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, **(Figures 14 & 16)**. 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.
  5. With assistance, position the Heavy Duty Grille Guard up to the outside of the Frame Mounting 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 15 & 16)**. Depending on your vehicle model year, 20-23 will mount outside of the Top Brackets, while 24-on will mount inside the Top Brackets. 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 15 & 17)**. Do not fully tighten hardware.
  6. Level and adjust the Grille Guard and fully tighten all hardware.
  7. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**To protect your investment**, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. 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.

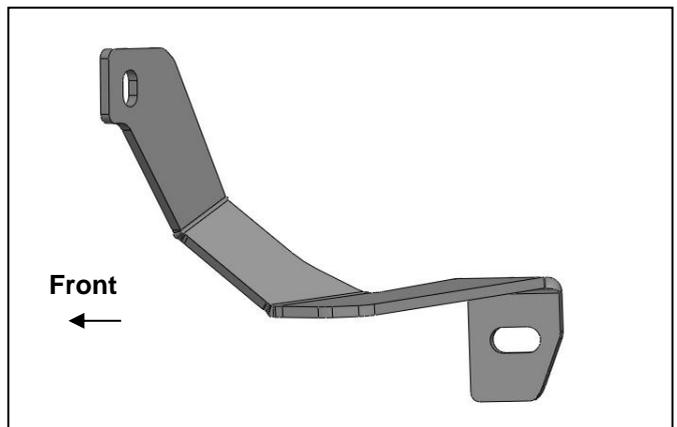
# Driver/left Side Installation Pictured



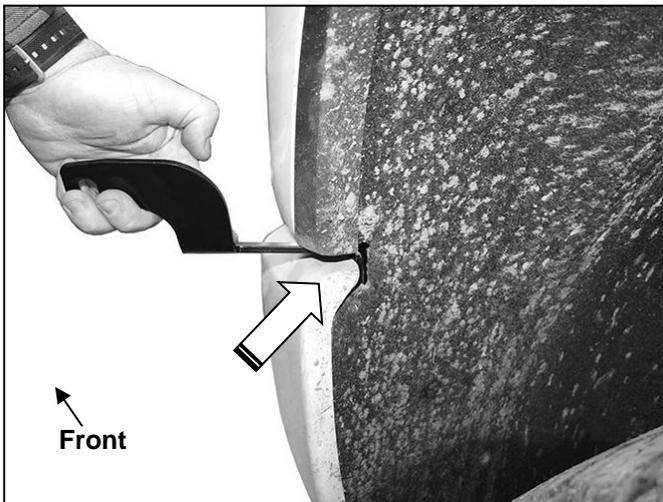
(Fig 1) From below/behind bumper, remove the top outer bumper bracket bolt (arrow) from the back of the bumper. Bumper pictured removed for instruction purposes only, do not remove bumper



(Fig 2a) 2020-2023 model year Driver/left Top Bracket



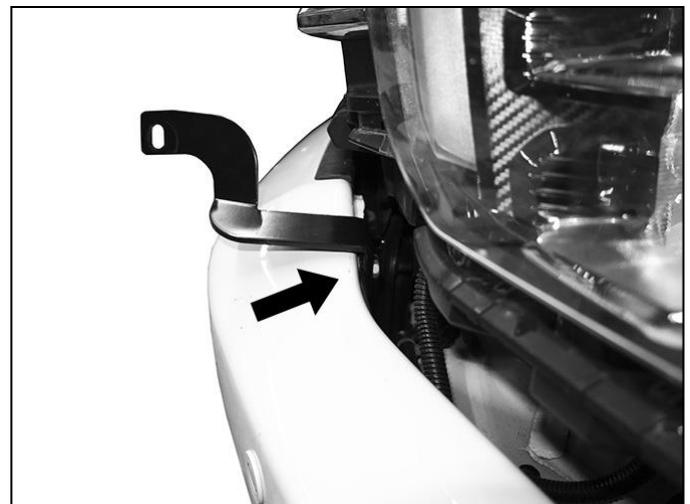
(Fig 2b) 2024-on Driver/left Top Bracket



(Fig 3) Start at the end of the bumper and insert the 90-degree bent end of the Driver/left Top Bracket into the gap between the lower bumper and upper fascia body panel (arrow)

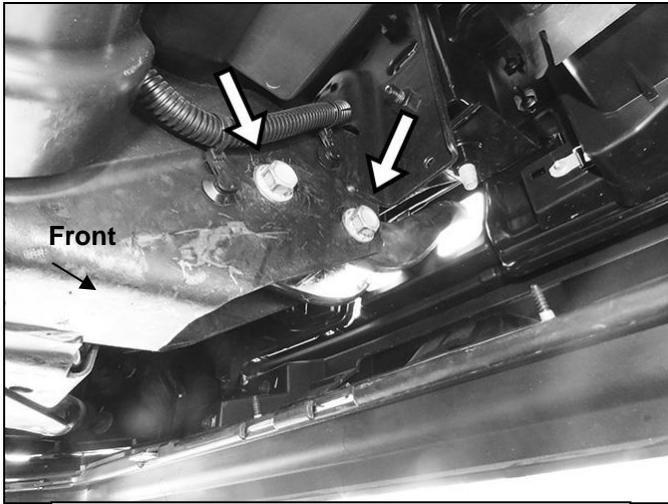


(Fig 4) Lift up on fascia if trouble sliding bracket



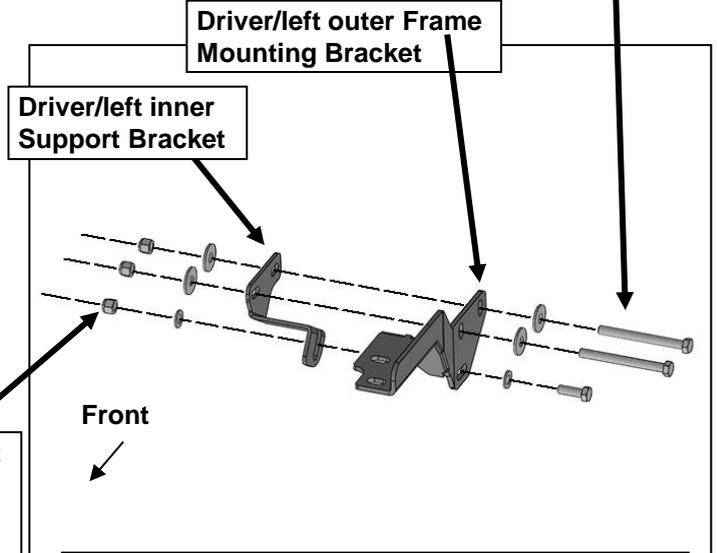
(Fig 5) From behind bumper, reuse bumper bolt to attach Driver/left Top Bracket to back of bumper bracket (arrow). Bumper pictured with top fascia body panel removed for instruction purposes only, do not remove fascia panel

# Driver/left Side Installation Pictured



**(Fig 6)** Models equipped with tow hooks, remove bolts attaching tow hooks to end of frame (arrows). Leave tow hooks in place

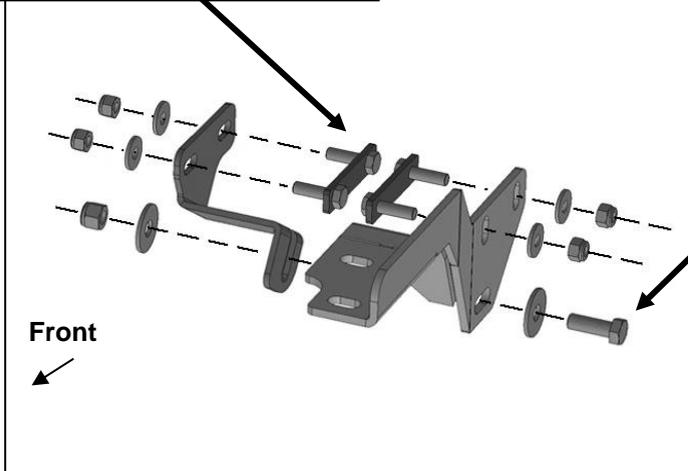
- (2) 12mm x 120mm Hex Bolts
- (4) 12mm x 37mm Large Flat Washers
- (2) 12mm Nylon Lock Nuts



**(Fig 7)** 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

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



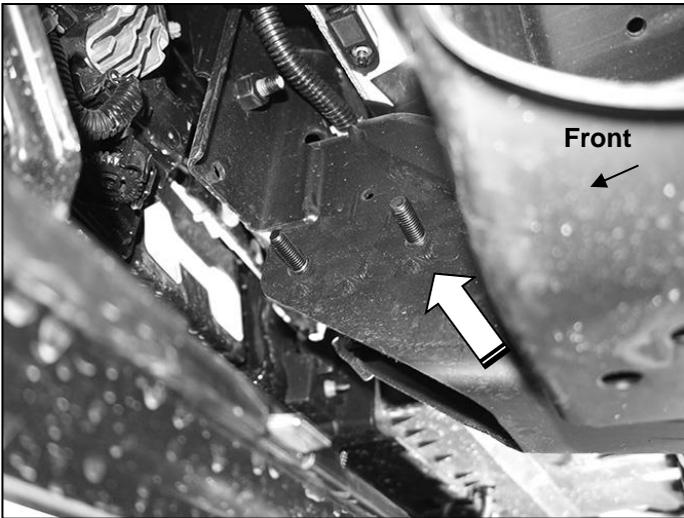
**(Fig 8)** Models without tow hooks, insert the included (2) 10mm Double Bolt Plates into the open end of the frame and out the holes in the sides. Attach the Driver/left outer Frame Bracket and inner Support Bracket to the sides of the frame and Bolt Plates

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



**(Fig 9)** Trim plastic opening if necessary, to clear Brackets

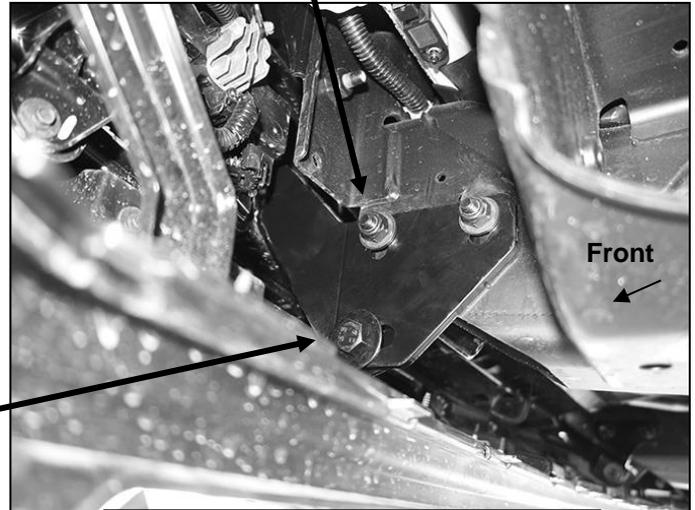
## Driver/left Side Installation Pictured



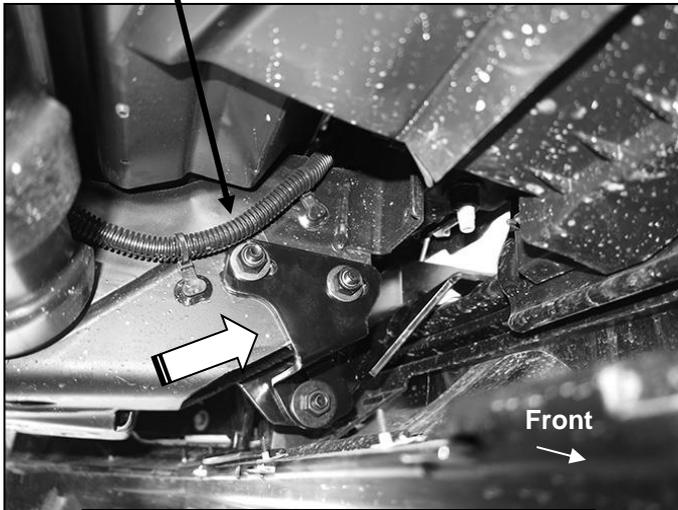
(Fig 10) Insert Double Bolt Plate through holes in outer side of frame (arrow)

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

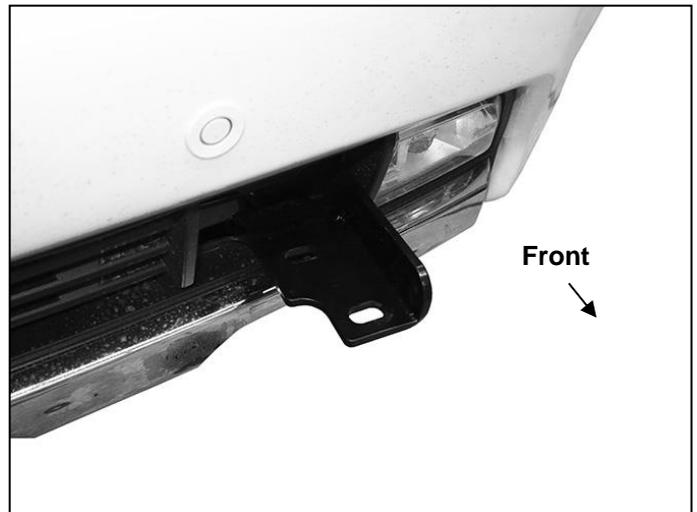
(2) 10mm Double Bolt Plates  
(4) 10mm Flat Washers  
(4) 10mm Nylon Lock Nuts



(Fig 11) Attach Driver/left outer Frame Bracket to Double Bolt Plate

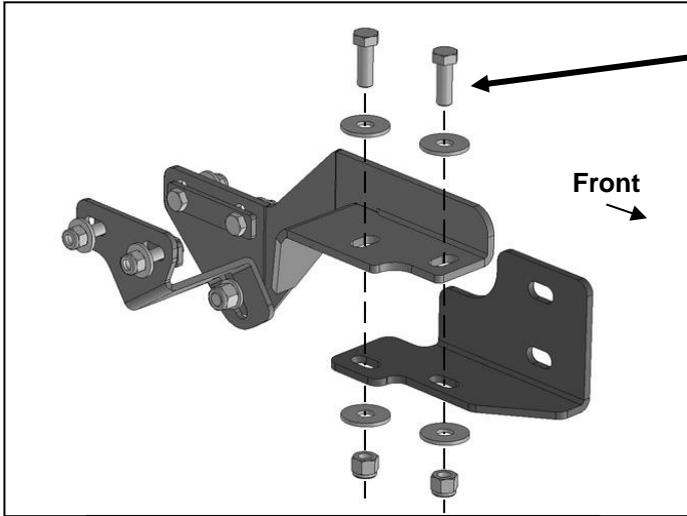


(Fig 12) Attach Driver/left inner Support Bracket to Frame Bracket and Double Bolt Plate in frame (arrow)



(Fig 13) Driver/left Frame Bracket installed

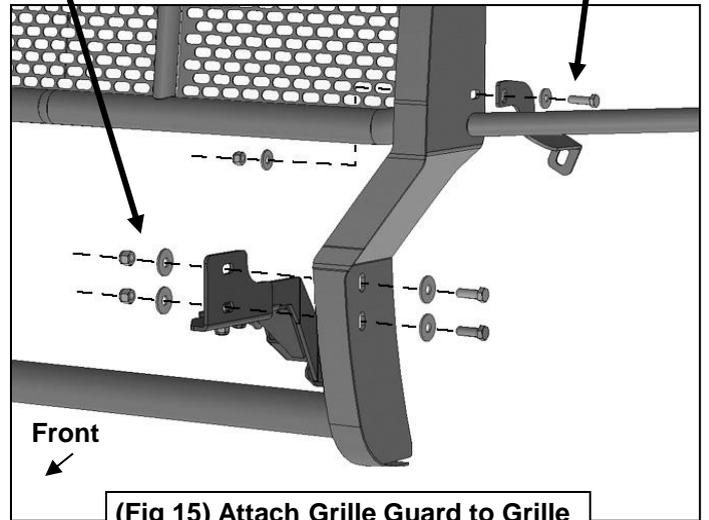
# Driver/left Side Installation Pictured



**(Fig 14) Attach Driver/left Grille Guard Bracket to bottom of Frame Bracket**

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

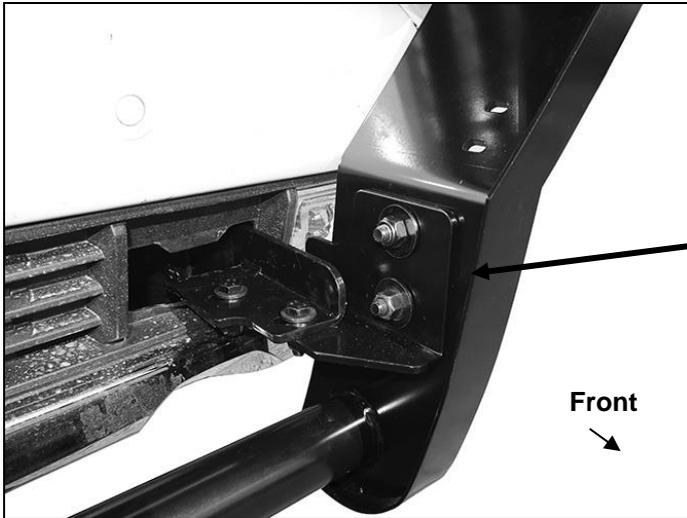
- 10mm x 35mm Hex Bolt
- (2) 10mm Flat Washers
- 10mm Nylon Lock Nut



**(Fig 15) 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

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



**(Fig 16) Attach Grille Guard to Frame Bracket**



**(Fig 17) Attach Top Bracket to outside of Grille Guard for 20-23 model years. (2024-on will mount inside)**



**Complete Installation**

## 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.

Aluminum polish may be used to polish small scratches and scuffs for **Stainless Steel finish.**

Mild soap may be used to clean the product for both **Stainless Steel and Black finish.**

### FAQ's

#### **Hardware's are not of correct size.**

In GMC / Chevrolet truck model 2006 & up, customer needs to reuse the factory body bolts to install the bracket. If your vehicle is not GMC / Chevrolet 2006 & up, ensure that holes are not partially covered with any plastic grommet or rust? If it is, remove the plastic grommet & rust from the thread holes & re-try the installation.

#### **Mounting Bracket are not getting Installed properly.**

In some cases Illustration images shown in Installation manual may not be the exactly same as per actual vehicle images ,also if Driver / Passenger side mounting brackets are very identical in the design, suggest referring Parts Identification guide to avoid fitment issue.

#### **Products are thumping / rattling after installation.**

Ensure that all required mounting brackets / hardware's are installed & tighten correctly. Suggest using white lithium / regular grease between the metal to metal contact surfaces.

#### **Side Bar is not aligning with vehicle / Step Pads are not aligning with vehicle doors.**

Side bar may be interchanged or mounting brackets are not installed at the correct position in the vehicle. Refer Parts identification guide.

#### **Missing / Excess Hardware.**

Recheck hardware count as per the part list.

#### **Product not installing properly.**

Ensure make model year, cab length and bed size of your vehicle is listed in the application. All installation steps are followed correctly.

# Warranty Terms:

## **3 Year Limited 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.