



Grille Guard

Part No. E0001S/B



Fits: **1999-2002 Ford Expedition (2WD)**
1999-2004 F150 & Flareside 2WD



THE GRILLE GUARD MAY INTERFERE WITH PARKING SENSORS, PROXIMITY SENSORS AND CRUISE CONTROL SENSORS.



60-180 min



CUTTING
REQUIRED



DRILLING NOT
REQUIRED



REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT.



support@trailfx.com



READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.



1 866 638 4870



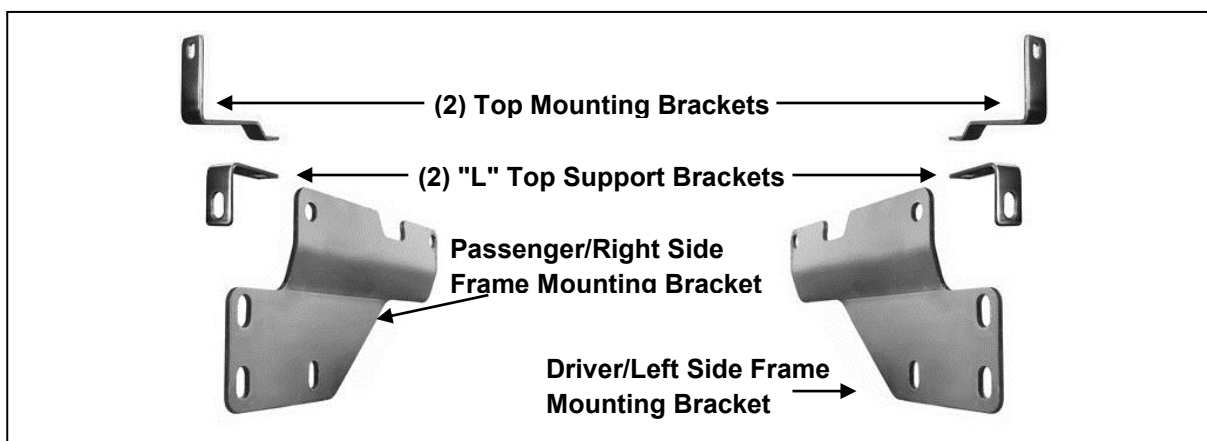
DO NOT OVER TORQUE. STANDARD OPERATING LOAD FOR TIGHTEN BODY MOUNT NUTS & BOLTS VARIES FROM **45** TO **65** FOOT POUND.



POLISHED STAINLESS STEEL – LIMITED LIFETIME
POWDER COATED BLACK – 3 YEARS

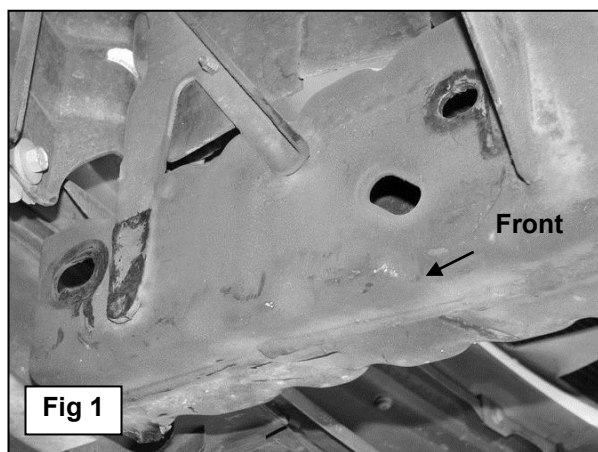
PARTS LIST:

Qty	Part Description	Qty	Part Description
1	Grille Guard	10	12mm Nylon Lock Nuts
1	Driver/Left Frame Mounting Bracket	2	8-1.25mm x 25mm Hex Bolts
1	Passenger/Right Frame Mounting Bracket	4	8mm x 16mm OD x 1.6mm Flat Washers
2	Top Mounting Brackets	2	8mm Nylon Lock Nuts
2	"L" Top Support Brackets	2	6-1.0mm x 25mm Button Head Bolts
1	1200mm x 50mm x 1.0mm Adhesive Backed Foam	4	6mm x 12mm OD x 1.6mm Flat Washers
10	12-1.75mm x 30mm Hex Bolts	2	6mm Nylon Lock Nuts
20	12mm x 24mm OD x 2.5mm Flat Washers	1	4mm Allen Wrench

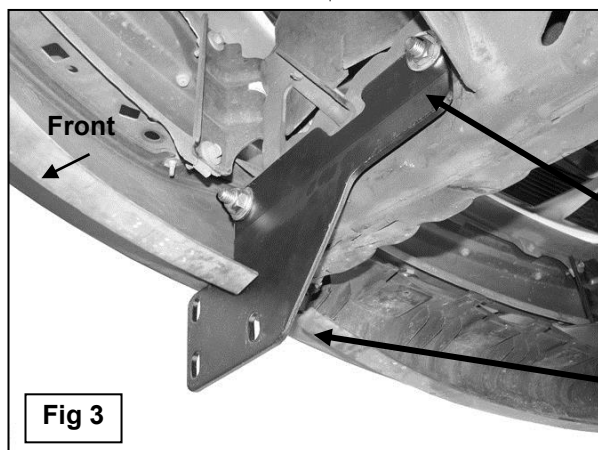
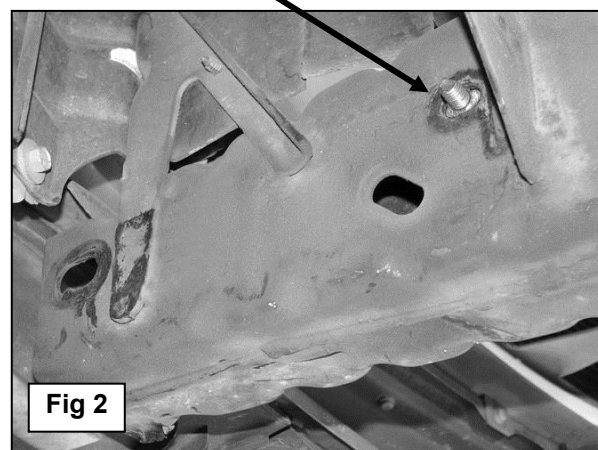


INSTALLATION PROCEDURE

- Depending on model and year, the plastic bumper cover or lower spoiler may need to be temporarily removed to access the end of the frame. Also, the cover or spoiler may need to be trimmed to clear the Frame Mounting Brackets. Cut the least amount of material possible to maintain the strength of the plastic components, (**Figures 3 & 12**).
- Starting on the driver side of the vehicle, hold the driver side Frame Bracket up against the outside of the frame. Match up the top mounting holes in the Bracket with the holes in the frame, (**Figure 1**). Insert (1) 12mm Hex Bolt with (1) 12mm Flat Washer into the open end of the frame and out through the rear mounting hole, (**Figure 2**). Attach the Bracket to the 12mm Bolt with (1) 12mm Flat Washer and (1) 12mm Nylon Lock Nut, (**Figure 3**). Leave loose at this time. Repeat this procedure to bolt the Bracket to the forward mounting location at the end of the frame. Snug but do not fully tighten the hardware at this time.



12mm x 30mm Hex Bolt
12mm Flat Washer

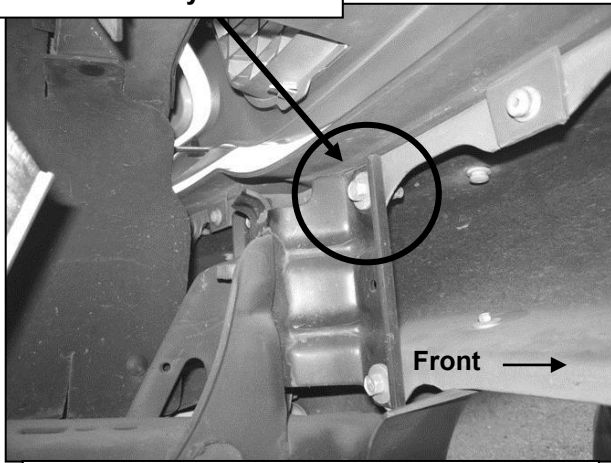


(2) 12mm x 30mm Hex Bolts
(4) 12mm Flat Washers
(2) 12mm Nylon Lock Nuts

Trimming to the plastic bumper may be required for Mounting Bracket clearance

3. Repeat **Step 2** to install the passenger side Frame Mounting Bracket.
4. Next, remove the factory hex bolt located on the back of the front bumper securing the bumper to the top of the bumper bracket, (**Figure 4**). Select (1) "L" Top Support Bracket and attach it to the back of the bumper bracket using the factory hex bolt, (**Figure 5**). Snug but do not tighten hardware at this time. Repeat this Step to install the passenger side "L" Top Support Bracket.
5. Select (1) Top Mounting Bracket. Apply a section of Adhesive Backed Foam Tape to the bottom of the Bracket to protect the finish on the top of the bumper cover, (**Figure 6**). Insert the Bracket through the opening in the bottom of the grille, (**Figures 7 & 8**). **NOTE:** It is also recommended to cover the bumper with masking tape to prevent damage to finish during Grille Guard installation.
6. Bolt the Top Mounting Bracket to the "L" Top Support Bracket installed in **Step 4** using (1) 8mm Hex Bolt, (2) 8mm Flat Washers and (1) 8mm Nylon Lock Nut, (**Figures 9A & 9B**). Do not tighten at this time. Repeat this step for passenger side Top Bracket installation.
7. With assistance, position the mounting tabs on the Grille Guard up to the outside of the Frame Mounting Brackets and bolt together with the included (6) 12mm x 30mm Hex Bolts, (12) 12mm Flat Washers and (6) 12mm Nylon Lock Nuts, (**Figure 10**). Snug but do not tighten hardware at this time.
8. Move the Grille Guard into position and line up the Top Mounting Brackets with the mounting slots in the back of the cross bar. Bolt the Top Mounting Brackets to the cross bar with (2) 6mm Button Head Bolts, (4) 6mm Flat Washers and (2) 6mm Nylon Lock Nuts, (**Figure 11**).
9. With the hood open, push the Grille Guard back until it is upright. Align, center and adjust the Grille Guard properly. Do not tighten the hardware securing the Grille Guard to the Brackets. Carefully close the hood and check for clearance between the Top Brackets and the factory grille insert. Once all Brackets have been checked for clearance, tighten all hardware securing the Brackets to the vehicle only, including the hardware behind the bumper and Mounting Brackets. Remove the Grille Guard. Reinstall the lower bumper cover removed in **Step 1**. Trim the bumper cover to clear Brackets as necessary. Reinstall the Grille Guard as described in **Steps 7 & 8** and fully tighten all hardware, (**Figure 12**).
10. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

Remove factory hex bolt



(Fig 4) Driver side-back of bumper pictured

Use factory hex bolt to attach "L" Top Support Bracket

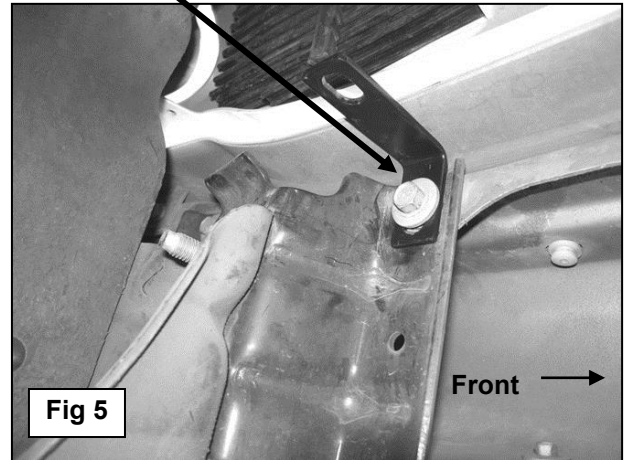


Fig 5

Apply supplied Adhesive Backed Foam Tape to Top Brackets to protect finish on bumper cover. Cut to fit as needed

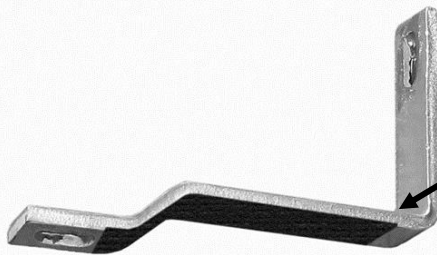


Fig 6

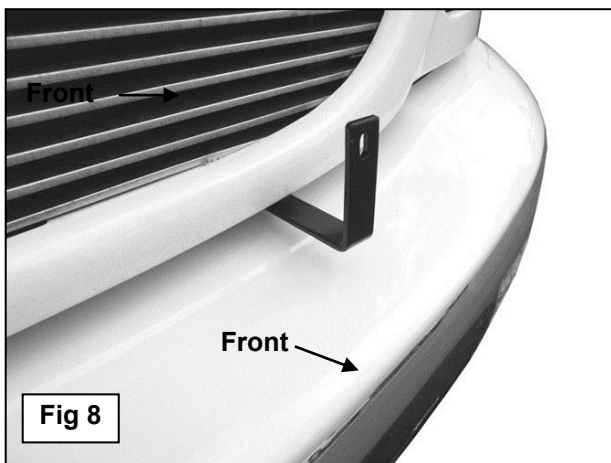


Fig 8

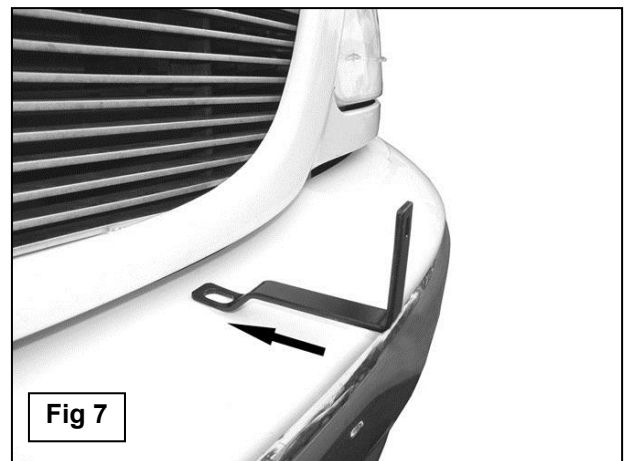


Fig 7

Insert Top Mounting Bracket between grille and top of bumper

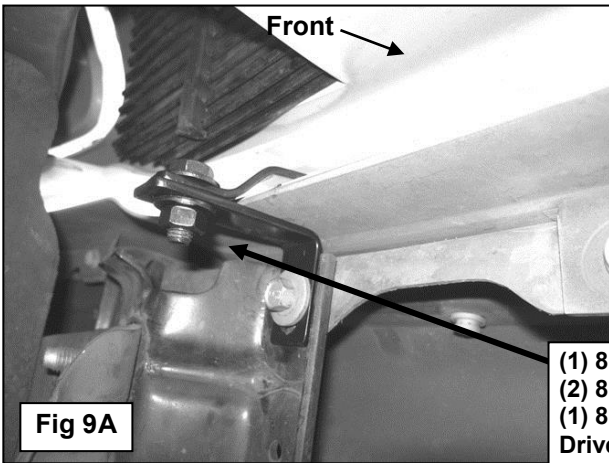


Fig 9A

- (1) 8mm x 25mm Hex Bolt
 - (2) 8mm Flat Washers
 - (1) 8mm Nylon Lock Nut
- Driver side-back of bumper pictured

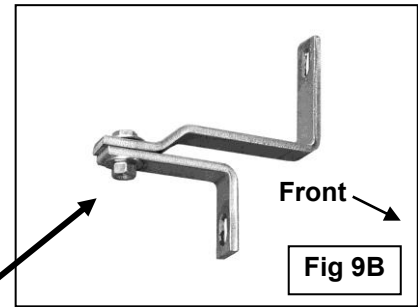


Fig 9B

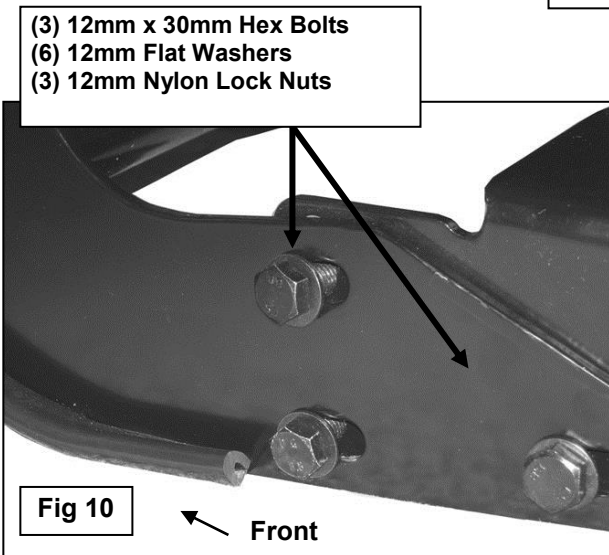


Fig 10

- (3) 12mm x 30mm Hex Bolts
- (6) 12mm Flat Washers
- (3) 12mm Nylon Lock Nuts

- (1) 6mm x 25mm Button Head Bolt
- (2) 6mm Flat Washers
- (1) 6mm Nylon Lock Nut

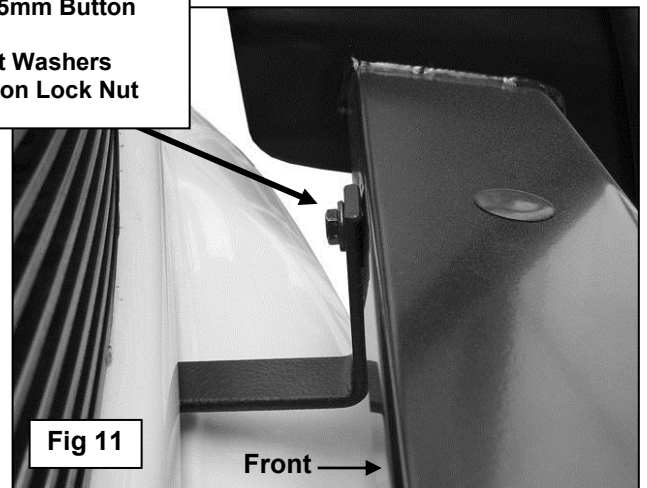


Fig 11



(Fig 12) Driver side Bracket installation pictured from below bumper cover. Cut cover as necessary to clear Brackets



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**1. 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, please ensure that holes are not partially covered with any plastic grommet or rust? If it is, please remove the plastic grommet & rust from the thread holes & re-try the installation.

2. 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.

3. Products are thumping / rattling after installation.

Please 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.

4. 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. Please refer Parts identification guide.

5. Missing / Excess Hardware.

Recheck hardware count as per the part list.

6. 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.

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