



**Assembly, Installation, Operation and  
Maintenance Instructions  
Grille Guard**

**Part Number:  
E0041S/T**

**60 - 180 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:**

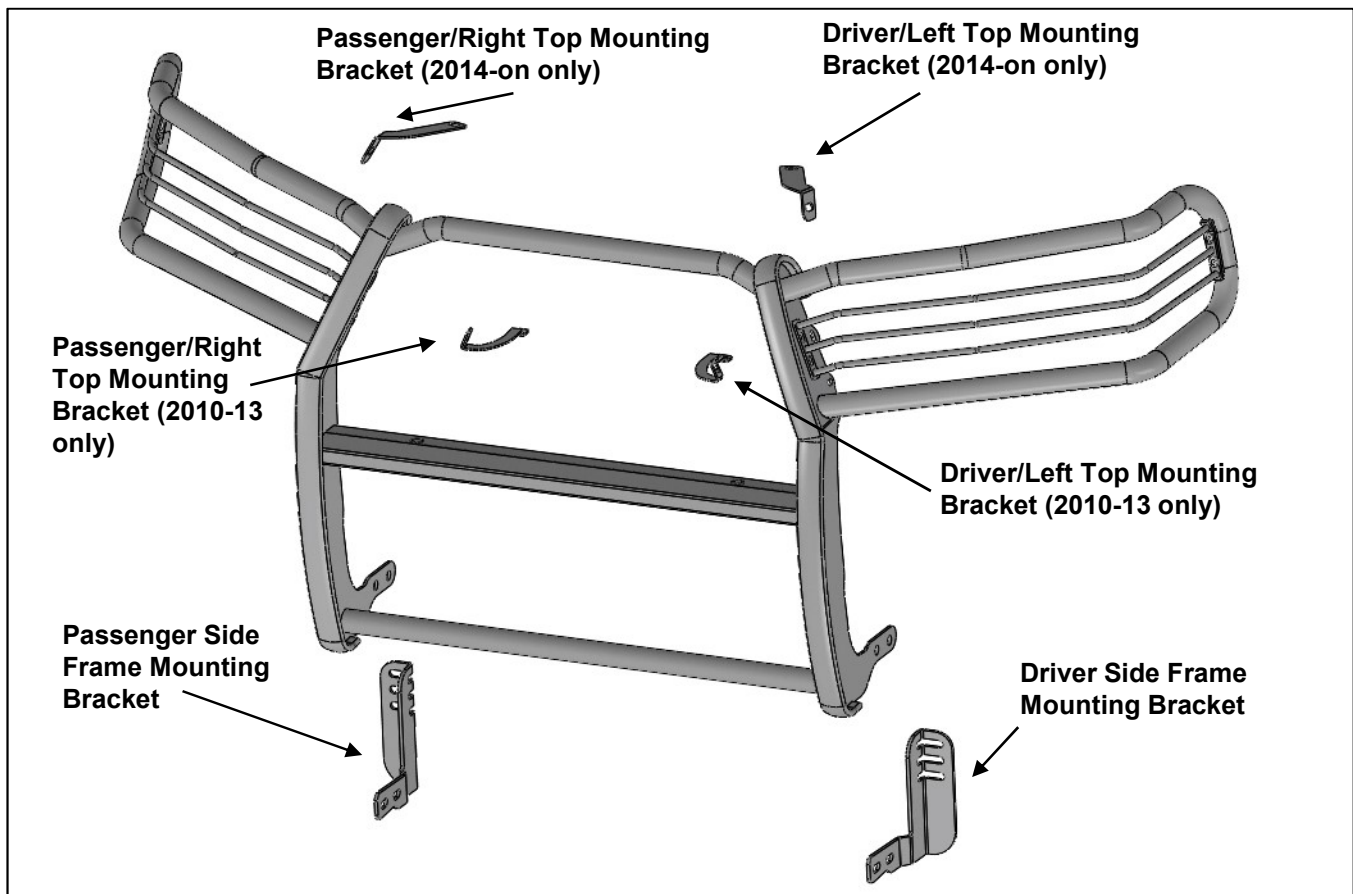
**2010-Current TOYOTA 4RUNNER (EXCL. 2014-22 "LIMITED"/19-22 NIGHTSHADE/21-22 TRD PRO MODELS)**

**PARTS LIST**

Qty	Part Description	Qty	Part Description
1	Grill Guard	8	12mm x 37mm OD x 8mm Flat Washers
1	Driver/Left Frame Mounting Bracket	4	12mm Lock Washers
1	Passenger/Right Frame Mounting Bracket	4	12mm Hex Nuts
1	Driver/Left Support Bracket (For 2010-13 Models)	2	10mm x 30mm Hex Bolts
1	Passenger/Right Support Bracket (For 2010-13 Models)	4	10mm x 30mm OD x 2.5mm Flat Washers
1	Driver/Left Support Bracket (For 2014-on Models)	2	10mm Nylon Lock Nuts
1	Passenger/Right Support Bracket (For 2014-on Models)	2	8mm x 40mm Hex Bolts
1	50mm x 200mm Adhesive Foam Strip	4	8mm x 30mm Hex Bolts
2	13mm x 25mm OD x 16.5mm Spacer Tubes	12	8mm x 24mm OD x 2mm Flat Washers
4	12mm x 30mm Hex Bolts	4	8mm Nylon Lock Nuts

**TORQUE SPECIFICATION**

Size	Torque	Size	Torque
12 MM	70 ft/lbs	8 mm	20 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. ASSISTANCE IS RECOMMENDED. CUTTING MAY BE REQUIRED. INSTALLATION MAY INTERFERE WITH FRONT SENSORS.**

1. Starting on the driver side, remove the (3) factory bumper mount bolts located on the outside of the driver side bumper mount, (Figure 3).

**On 2010-13 models**, remove the small driver side and passenger side plastic splash guards and place them on a clean, stable work area, (Figure 1). To make reinstallation easier, note the type and location of all factory fasteners. The plastic center splash guard may also be removed for access to hardware if necessary. **IMPORTANT:** Apply a layer of masking tape to the openings in the bumper to protect the painted finish during bracket installation, (Figure 2).

2. Select the driver side Frame Bracket. Line up the (3) slots in the Mounting Bracket with the (3) bolt locations for the factory bumper bracket. Attach the Frame Bracket to the bumper bracket with the (3) factory bolts removed in Step 1, (Figures 4 & 5). Do not tighten hardware.

**On some 2010-13 models**, start with the frame Bracket in a horizontal position. From behind the bumper, insert the mounting tab on the Bracket into the back of the bumper opening then rotate the Bracket up to the bumper bolts.

3. Repeat Steps 1 & 2 for passenger side Frame Mounting Bracket installation.
4. Next, open the hood and remove the plastic cover between the top of the radiator and the grille, (Figure 6). NOTE: Pay close attention to the type and location of all factory hardware for easier reinstallation.
5. Select the correct Top Bracket installation for your model/year.

#### **2010-13 Models:**

- a) Remove the outer plastic clip attaching the bottom of the plastic grille to the top of the steel cross member closest to the outer edge of the grille opening, (Figure 7).
- b) Apply the Adhesive Backed Foam Tape to the underside, (side facing the bumper), on both 2010-13 Top Brackets to prevent damage to the bumper during installation. NOTE: Cut Foam Tape to fit areas that may come in contact with the bumper cover.

Visit [www.trailfx.com](http://www.trailfx.com) or 1 (866) 638-4870 for Warranty Information / Tech Support / Product Updates.

2021 Keystone Automotive Operations Inc. All Rights Reserved. 03/29/2022-R01

Page-2-8

- c) Select (1) left or right 2010-13 Top Bracket. From behind the grille, insert the Bracket through the opening in the grille directly above the hole in the cross member. NOTE: Inner end of Brackets are offset to one side for plastic grille clearance on various models/years. Select the 2010-13 Bracket that will fit properly through the grille.
- d) Attach the Top Bracket to the cross member with (1) 8mm x 30mm Hex Bolt, (2) 8mm Flat Washers and (1) 8mm Nylon Lock Nut, (Figures 8 & 9). Do not tighten hardware.
- e) Repeat the previous Steps to attach the passenger side 2010-13 Top Bracket.

**2014-on Models:**

- 1. Remove the inner plastic clip closest to the center grille emblem attaching the bottom of the grille to the top of the cross member, (Figure 10). Select (1) 2014-on Top Bracket.
  - 2. From behind the grille, insert the Bracket through the opening in the grille.
  - 3. Attach the Bracket to the cross member with (1) 8mm x 40mm Hex Bolt, (2) 8mm Flat Washers and (1) Spacer Tube, (Figure 11). Do not tighten hardware.
  - 4. Repeat the previous Steps to install the 2014-on passenger side Top Bracket.
6. Carefully unwrap the Grille Guard. With assistance, line up the bottom mounting tabs on the Grille Guard with the (2) previously installed Frame Brackets. Bolt the Grille Guard to the outside of the Brackets with (4) 12mm Hex Bolts, (8) 12mm Flat Washers, (4) 12mm Lock Washers and (4) 12mm Hex Nuts, (Figure 12). Do not tighten hardware at this time.
7. Push the Grille Guard back toward the vehicle. Line up the Top Brackets with the appropriate mounting points on the Grille Guard.

**2010-13 models:** Attach the outer end of the driver side Top Bracket to the inner side of the upright with (1) 8mm Hex Bolt, (2) 8mm Flat Washers and (1) 8mm Nylon Lock Nut, (Figure 13). Do not tighten hardware. Repeat this Step to attach the passenger side Top Bracket to the Grille Guard.

**2014-on models:** Attach the outer end of the driver side Top Bracket to the inner side of the upright with (1) 10mm Hex Bolt, (2) 10mm Flat Washers and (1) 10mm Nylon Lock Nut, (Figure 14). Do not tighten hardware. Repeat this Step to attach the passenger side Top Bracket to the Grille Guard.

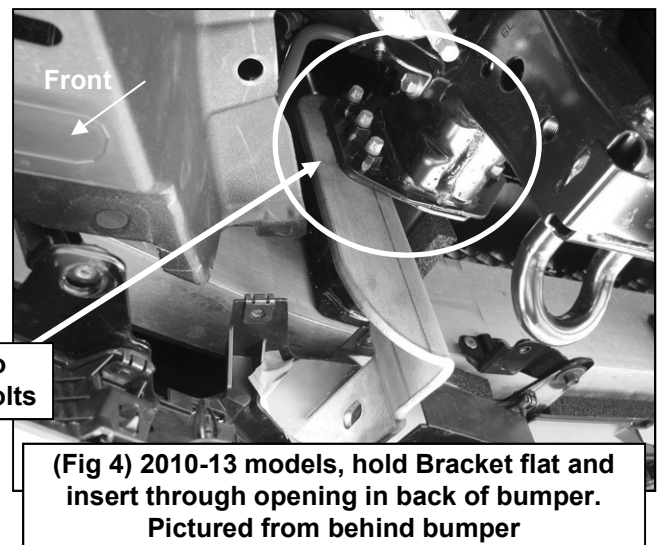
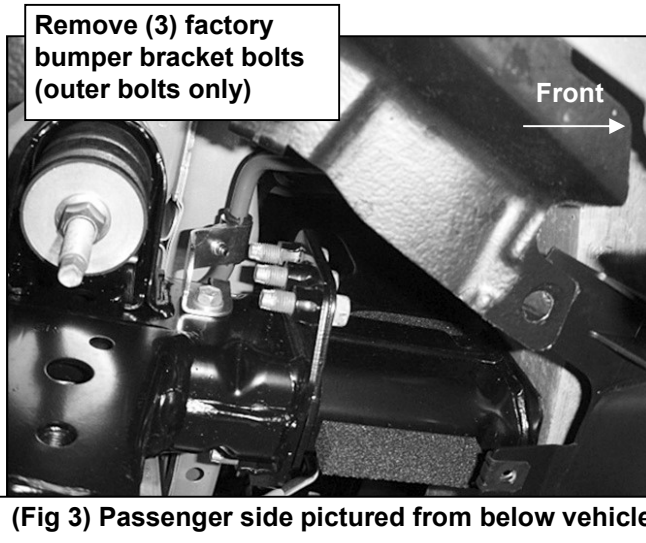
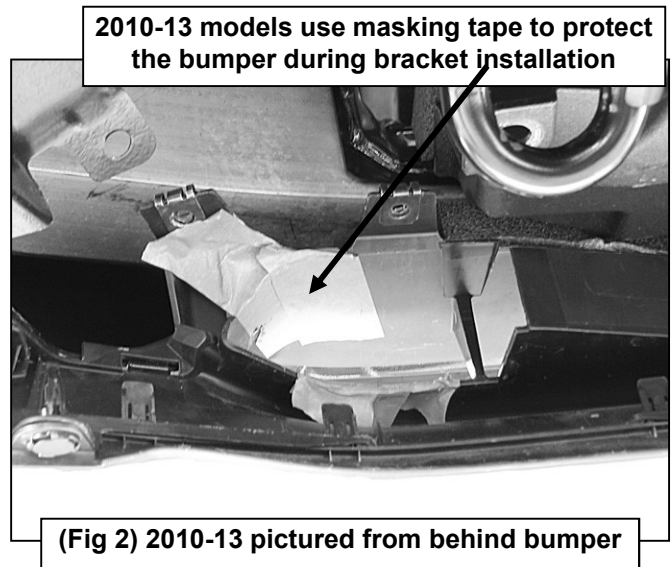
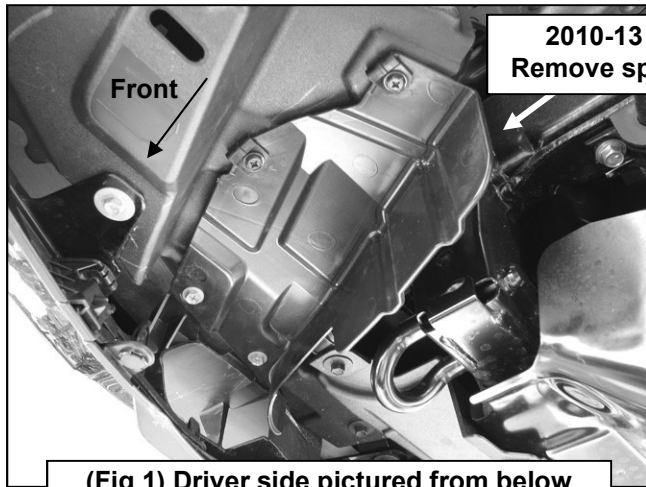
- 8. Level and adjust the Grille Guard properly and tighten all hardware.
- 9. On 2010-13 models only, reinstall the plastic center splash guard using the factory hardware if removed in Step 1. Select the driver side plastic splash guard and hold it up in position against the bottom of the Mounting Bracket. Mark the area that needs to be removed from the splash guard to clear the Bracket. Check the location carefully and cut only the amount of plastic from the splash guard to clear the Bracket, (Figure 15). Once the slot has been checked for clearance, reinstall the splash guard with the factory hardware. Repeat this Step to reinstall the passenger side splash guard.
- 10. 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.

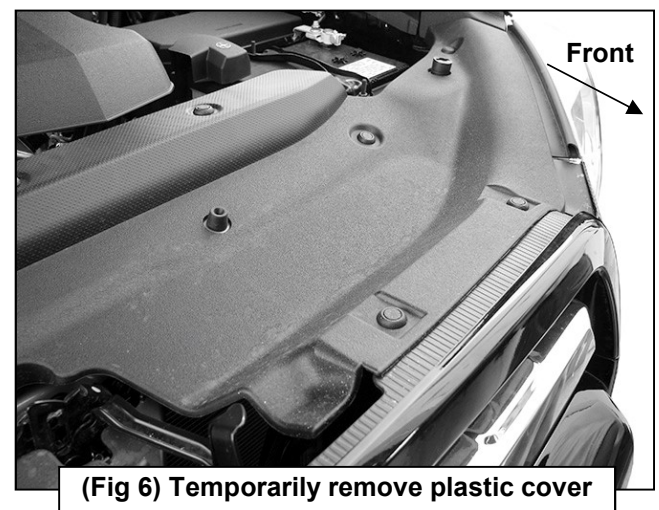
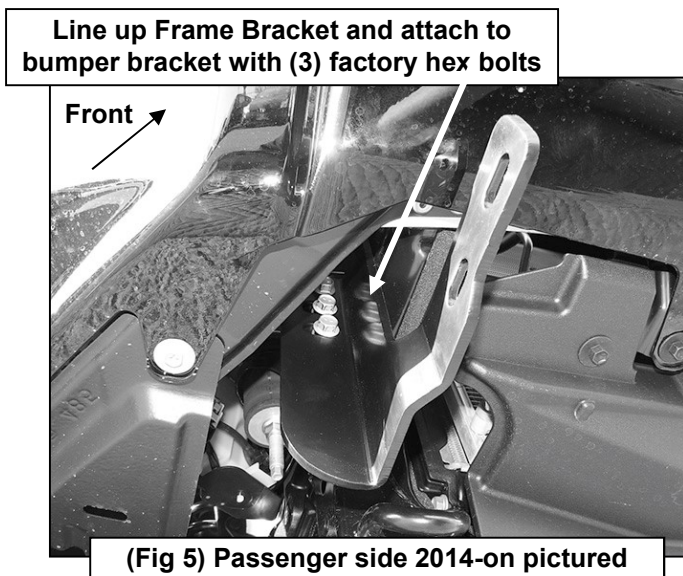
**For stainless steel:** Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap may be used also to clean the Grille Guard.

**For gloss black finishes:** Mild soap may be used to clean the Grille Guard.

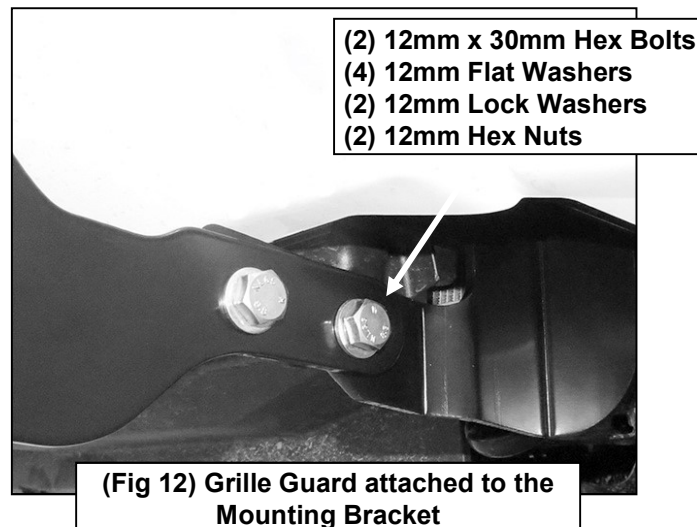
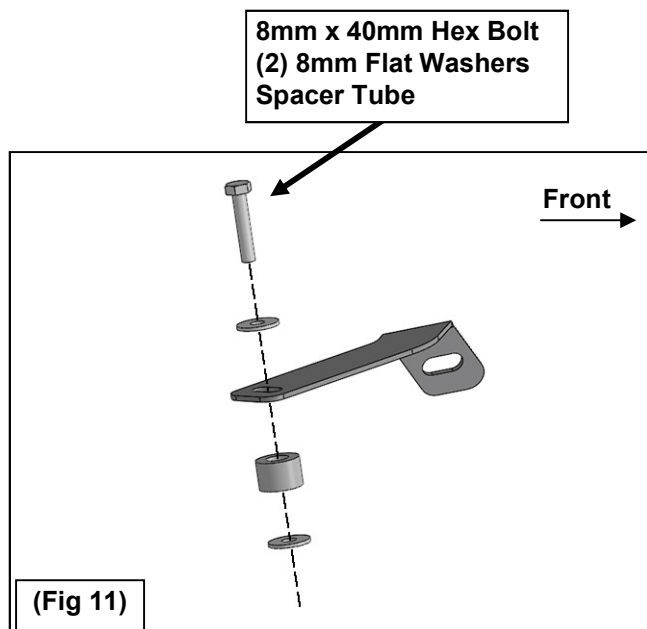
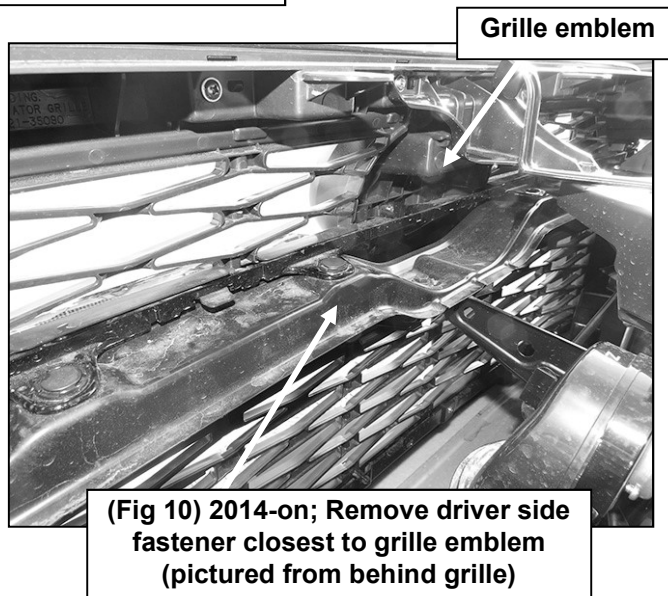
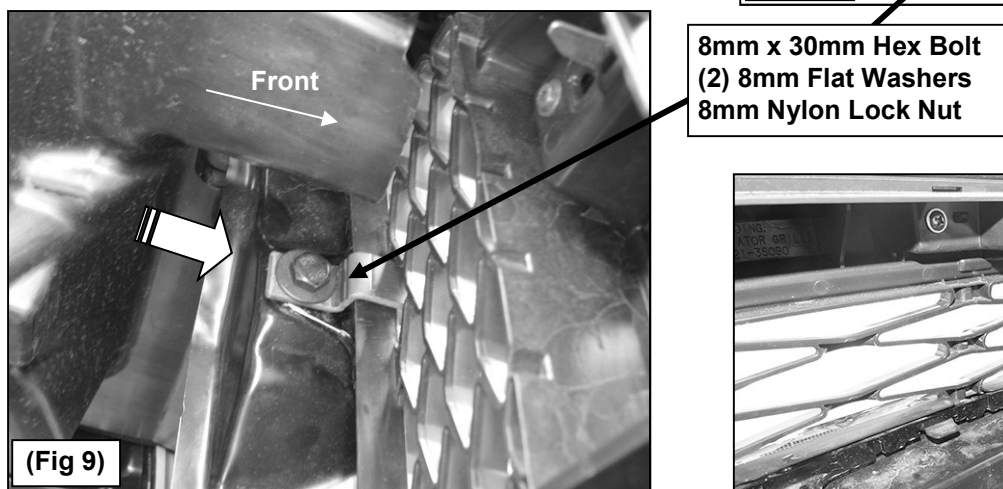
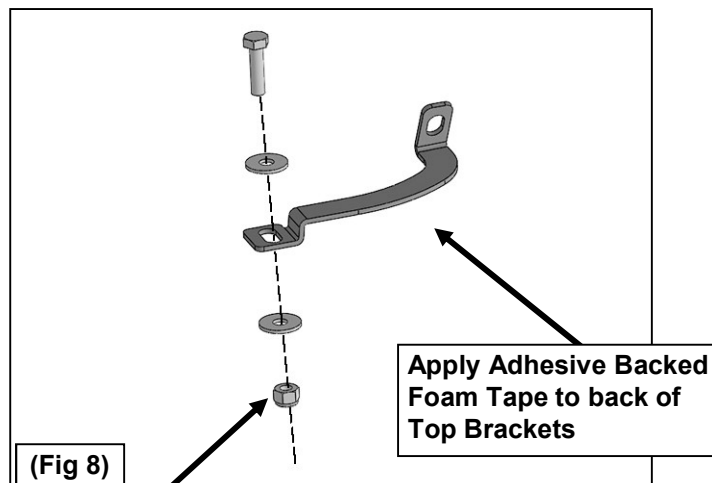
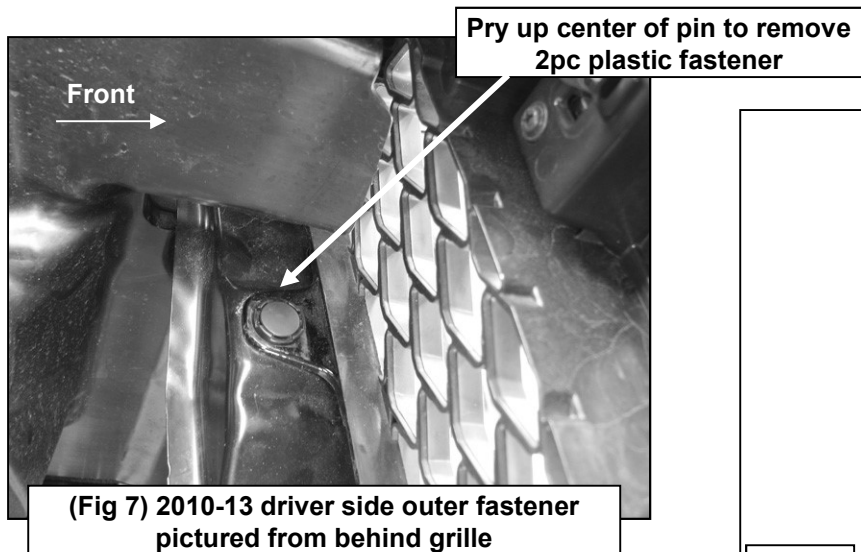
**INSTALLATION IMAGES:**

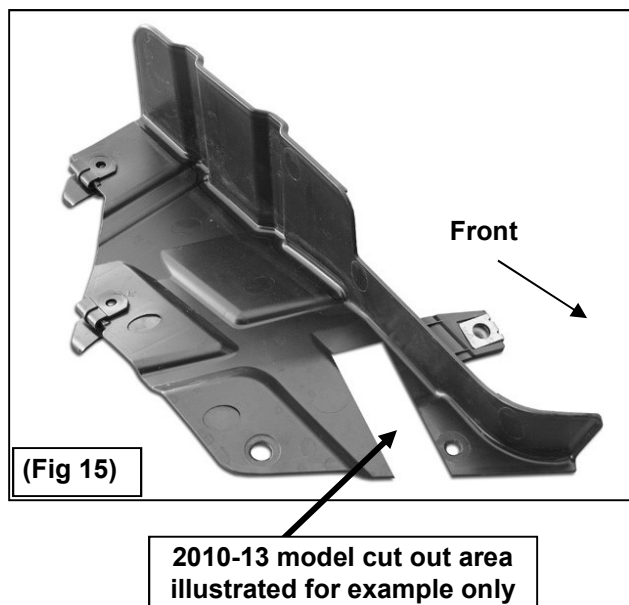
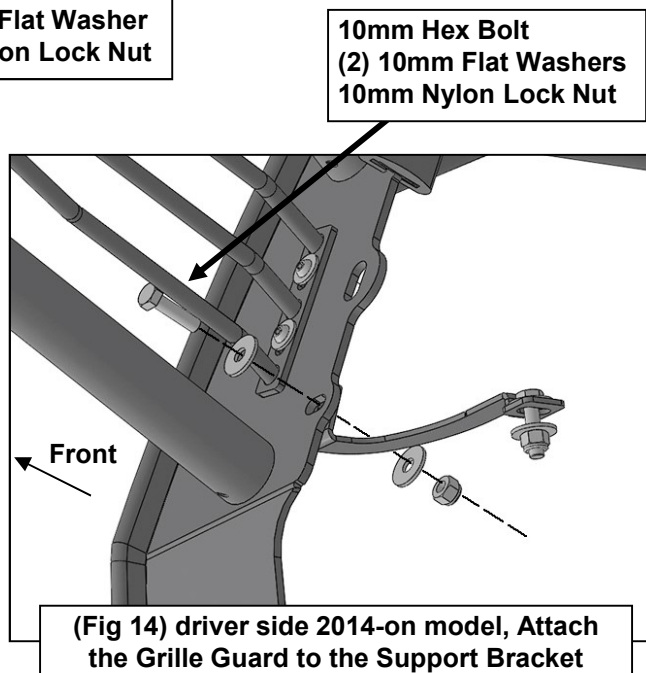
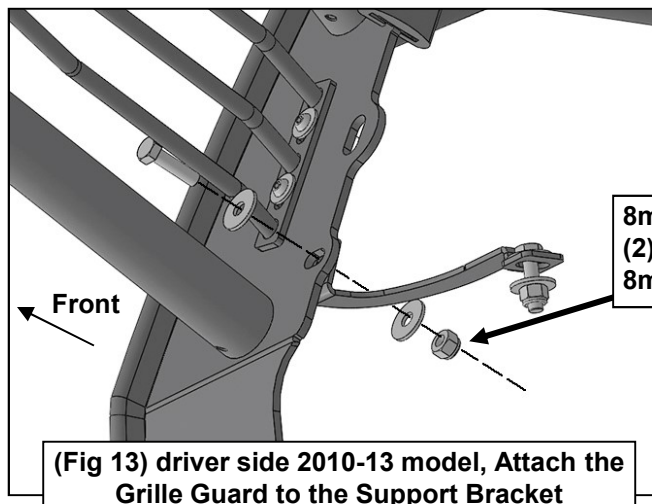


Line up Frame Bracket and attach to bumper bracket with (3) factory hex bolts









## **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 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](http://www.trailfx.com) / [support@trailfx.com](mailto:support@trailfx.com) or 1-(866) 638-4870

# 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.