



HD GRILLE GUARD

Assembly, Installation, Operation,
and Maintenance Instructions

PART NUMBER:
1532B

INSTALL TIME:
120 minutes

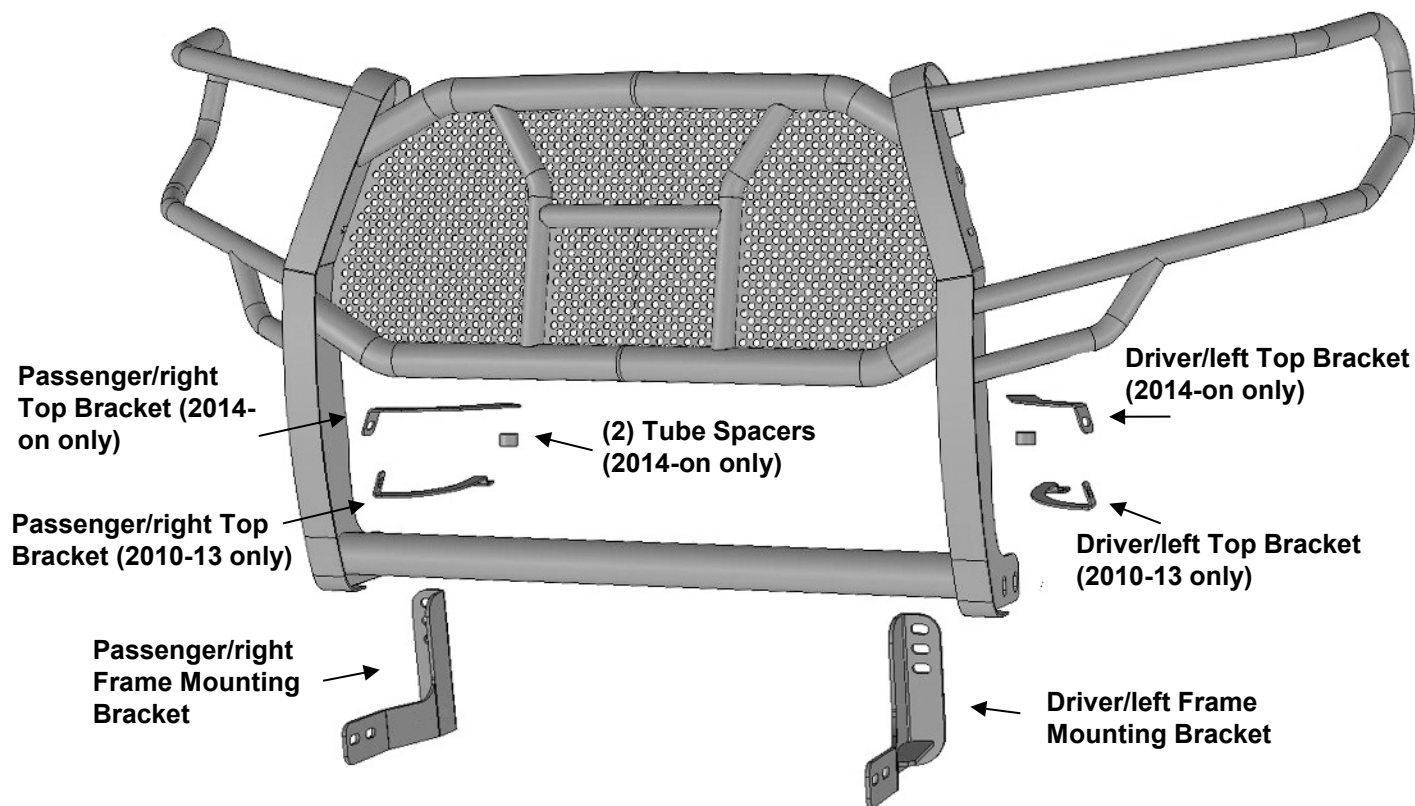
2010-24 TOYOTA 4RUNNER
(EXCLUDES 2014-24 LIMITED, 19-22 NIGHTSHADE EDITION, 2020-24 TRD PRO AND 22-24 TRD SPORT)

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

Qty	Item Description	Qty	Item Description
1	Grille Guard Assembly	4	12mm Lock Washers
1	Driver/Left Frame Mounting Bracket	4	12mm Hex Nuts
1	Passenger/Right Frame Mounting Bracket	2	10-1.5mm x 30mm Hex Bolts
1	Driver/left Top Mounting Bracket (2010-13)	4	10mm x 30mm x 2.5mm Flat Washers
1	Passenger/right Top Bracket (2010-13)	2	10mm Nylon Lock Nuts
1	Driver/left Top Mounting Bracket (2014-on only)	2	8-1.25mm x 40mm Hex Bolts
1	Passenger/right Top Bracket (2014-on only)	4	8-1.25mm x 30mm Hex Bolts
2	Tube Spacers (2014-on)	12	8mm x 24mm OD x 2mm Flat Washers
4	12-1.75mm x 35mm Hex Bolts	4	8mm Nylon Lock Nuts
8	12mm x 37mm x 3mm Flat Washers	1	2.5mm Wrench



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/left side, remove the (3) factory bumper mount bolts located on the outside of the driver side bumper mount, **(Figure 3)**. **NOTE:** It may be necessary to loosen but not remove, the front of the inner fender liners to access the bumper bracket bolts.

On 2010-13 models, remove the small driver/left and passenger/right side plastic splash guards, **(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/left side Frame Bracket, **(Figure 4)**. Reuse the (3) factory hex bolts to attach the Frame Bracket to the front of the bumper bracket, **(Figures 5 & 6)**. Snug but do not tighten hardware at this time.

On 2010-13 models, 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 bracket, **(Figure 5)**.

3. Repeat **Steps 1 & 2** for passenger/right side Frame Bracket installation.
4. Next, open the hood and remove the plastic cover between the top of the radiator and the grille, **(Figure 7)**. **NOTE:** Pay 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:

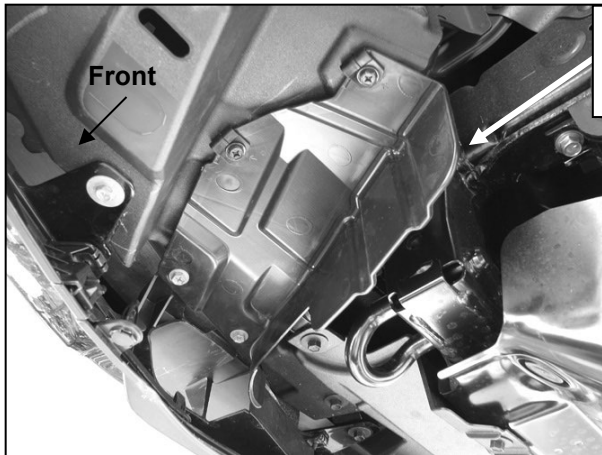
- a. Remove the outer plastic clip attaching the bottom of the plastic grille to the top of the steel crossmember closest to the outer edge of the grille opening, **(Figure 8)**.
- b. Select the driver/left 2010-13 Top Bracket, **(Figure 9)**. Insert the Bracket through the opening in the grille directly above the hole in the crossmember, **(Figure 10)**.
- c. Attach the Top Bracket to the crossmember with (1) 8mm x 30mm Hex Bolt, (2) 8mm x 24mm x 2mm Flat Washers and (1) 8mm Nylon Lock Nut, **(Figures 9 & 10)**. Leave hardware loose.
- d. Repeat the previous **Steps** to attach the passenger/right side 2010-13 Top Bracket.

2014-on models:

- a. Remove the outer plastic clip attaching the grille to the top of the crossmember, **(Figure 11)**. Select the driver/left 2014-on Top Bracket and (1) Tube Spacer, **(Figure 12)**.

- b. Insert the Bracket through the opening in the grille, **(Figure 13)**.
 - c. Place the Spacer over the crossmember. Attach the Bracket to the Spacer and crossmember with (1) 8mm x 40mm Hex Bolt, (2) 8mm Flat Washers and (1) 8mm Nylon Lock Nut, **(Figures 12—14)**. Make sure the Bracket clears the opening in the grille. If necessary, add an 8mm Flat Washer under the Tube Spacer for adjustment. Leave hardware loose.
 - d. Repeat the previous **Steps** to install the 2014-on passenger/right side Top Bracket, **(Figure 15)**.
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. Attach the Grille Guard to the outside of the Brackets with the included (4) 12mm x 35mm Hex Bolts, (8) 12mm Flat Washers, (4) 12mm Lock Washers and (4) 12mm Hex Nuts, **(Figures 16 & 17)**. Do not tighten hardware at this time.
7. Carefully 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/left Top Bracket to the lower mounting hole in the Grille Guard upright with (1) 8mm x 30mm Hex Bolt, (2) 8mm Flat Washers and (1) 8mm Nylon Lock Nut, **(Figure 18)**. Leave hardware loose at this time. Repeat this **Step** to attach the passenger/right side Top Bracket to the Grille Guard.
 - 2014-on models:** Attach the outer end of the driver/left Top Bracket to the upper hole in the Grille Guard upright with (1) 10mm x 30mm Hex Bolt, (2) 10mm Flat Washers and (1) 10mm Nylon Lock Nut, **(Figures 19 & 20)**. Leave hardware loose at this time. Repeat this **Step** to attach the passenger/right side Top Bracket to the Grille Guard.
8. Level and adjust the Grille Guard properly and tighten all hardware. **IMPORTANT:** Do not over-tighten the (2) 8mm Hex Bolts attaching the Top Mounting Brackets to the tab on the plastic grille and cross member or you may damage the grille.
9. On **2010-13** models only, reinstall the plastic center splash guard using the factory hardware if removed in **Step 1**. Select the driver/left 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 21)**. 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. On models with grille mounted sensor, remove the screen from the Grille Guard, **(Figure 22)**.
11. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

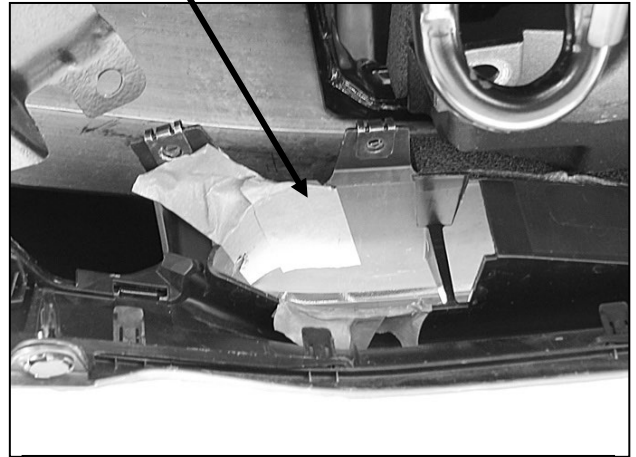
Driver/Left Side Installation Pictured



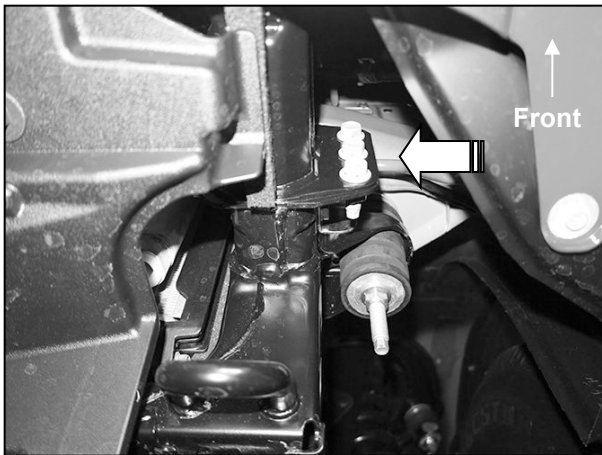
(Fig 1) Driver/left side pictured from below

2010-13 models-
remove splash
guards

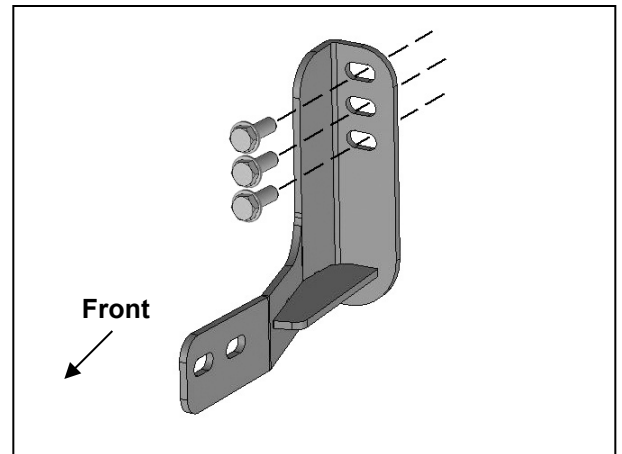
2010-13 models, use masking tape
to protect the bumper around
openings during Frame Bracket
installation



(Fig 2) 2010-13 pictured from behind bumper

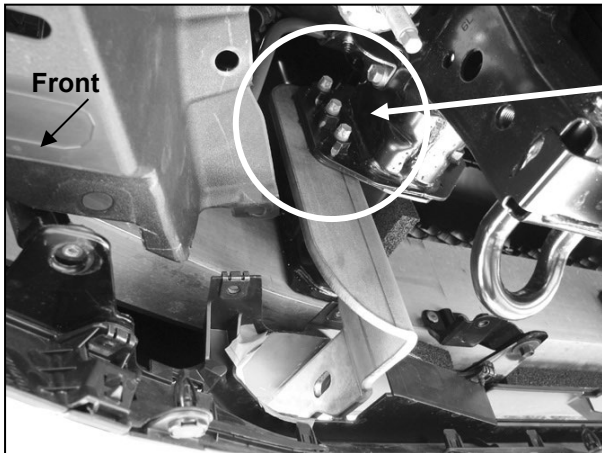


(Fig 3) Remove (3) factory bumper bracket
bolts (arrow-outer bolts only). 2014-on
Driver/left side pictured from below



(Fig 4) Reuse the factory bolts to
attach driver/left Frame Bracket to
front of bumper bracket

Driver/Left Side Installation Pictured



Reuse factory bolts to attach Frame Bracket to bumper bracket

Reuse factory hex bolts to attach Frame Brackets

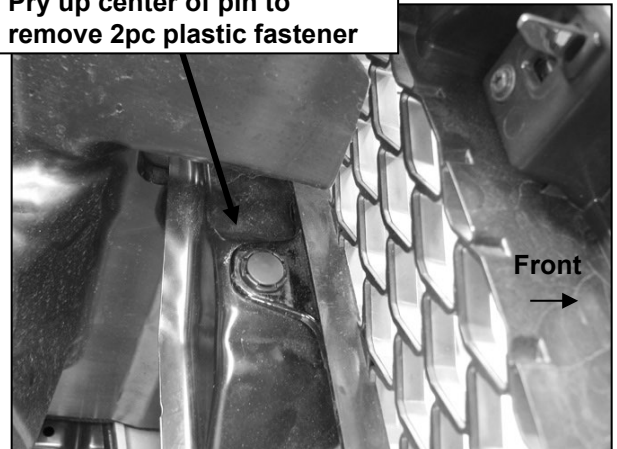


(Fig 6) 2014-on passenger/right pictured

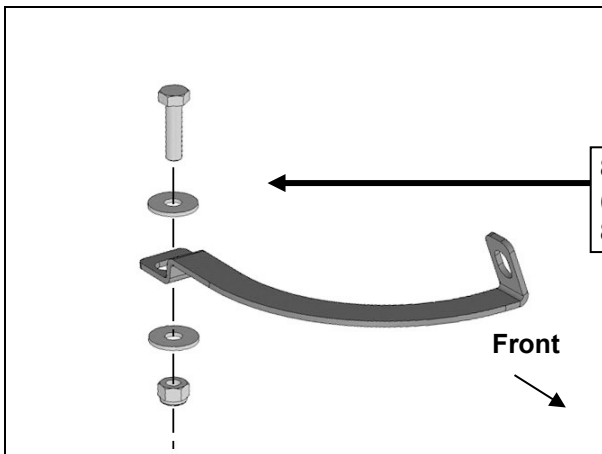


(Fig 7) Remove plastic cover (arrow)

Pry up center of pin to remove 2pc plastic fastener



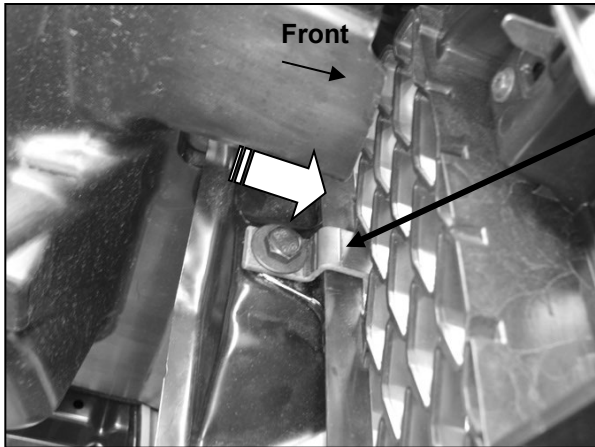
(Fig 8) 2010-13 driver/left side outer fastener on crossmember pictured from behind grille



8mm x 30mm Hex Bolt
(2) 8mm Flat Washers
8mm Nylon Lock Nut

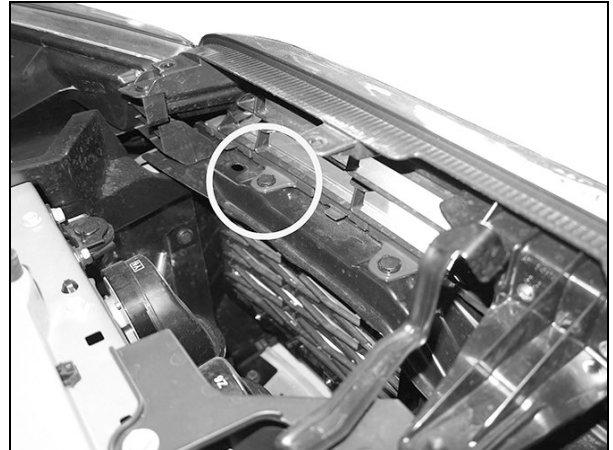
(Fig 9) 2010-13 driver/left side Top Bracket

Driver/Left Side Installation Pictured

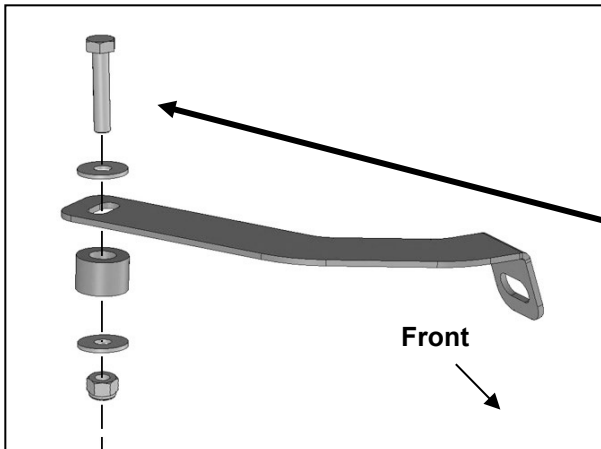


(Fig 10) 2010-13 Attach driver/left Top Bracket to top of cross member

8mm x 30mm Hex Bolt
(2) 8mm Flat Washers
8mm Nylon Lock Nut

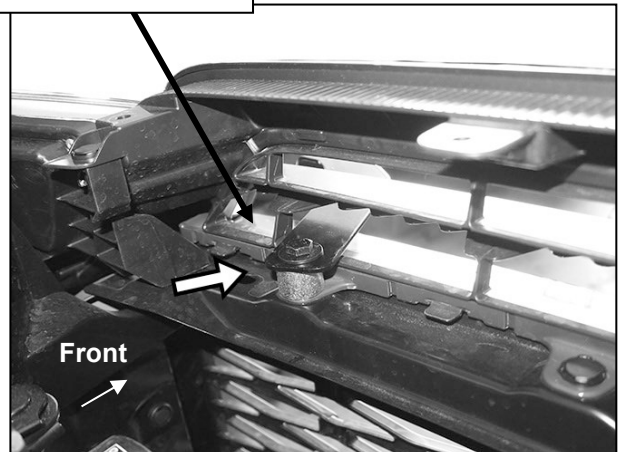


(Fig 11) 2014-on; Remove the driver side outer fastener (pictured from behind grille)



(Fig 12) 2014-on driver/left Top Bracket

8mm x 40mm Hex Bolt
Spacer
(2) 8mm Flat Washers
8mm Nylon Lock Nut

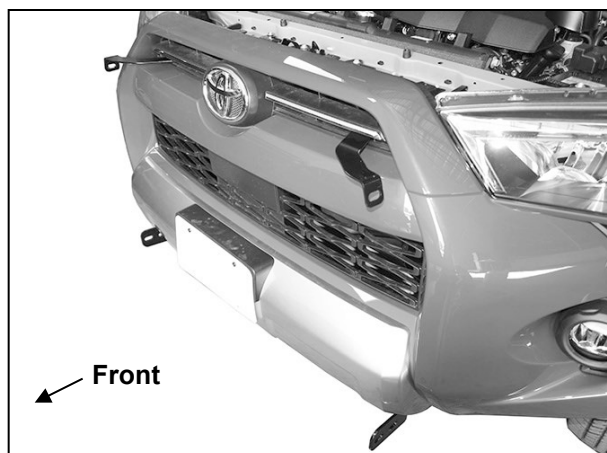


(Fig 13) 2014-on, attach driver/left Top Bracket with Spacer, to top of cross member



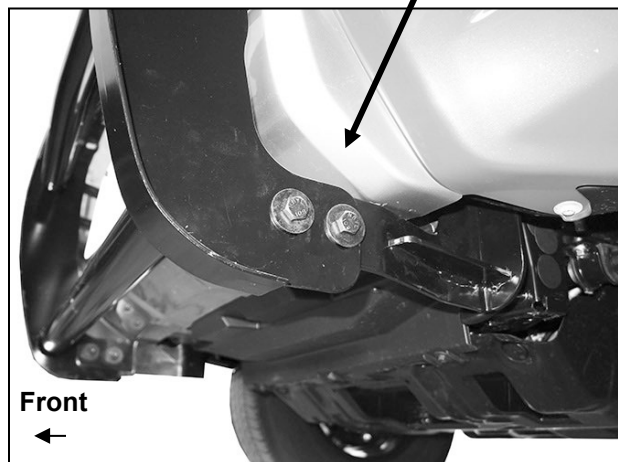
(Fig 14) 2014-on, driver/left Top Bracket installed

Driver/Left Side Installation Pictured

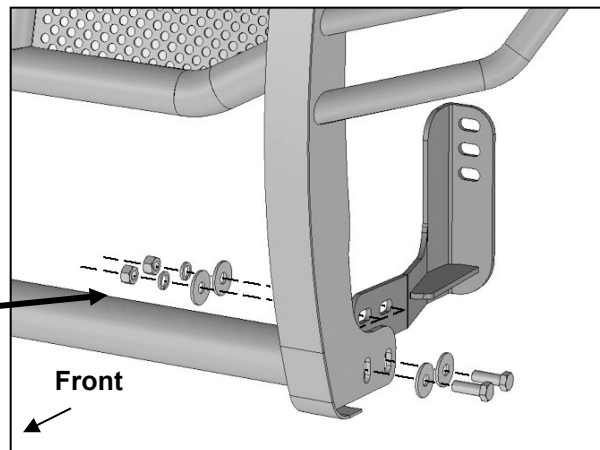


(Fig 15) Brackets installed, 2014-on pictured

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

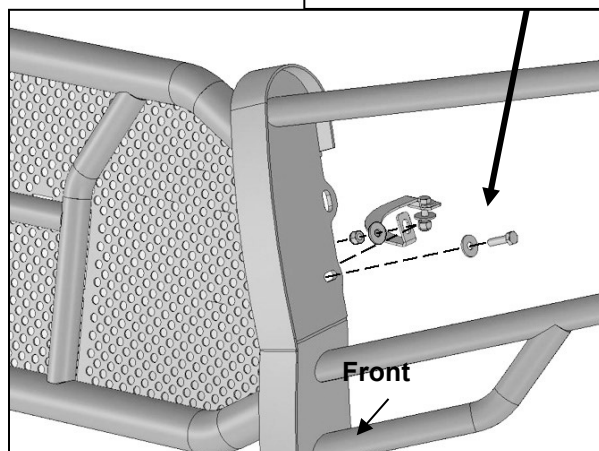


(Fig 17) Driver/left side of Grille Guard attached to Frame Brackets



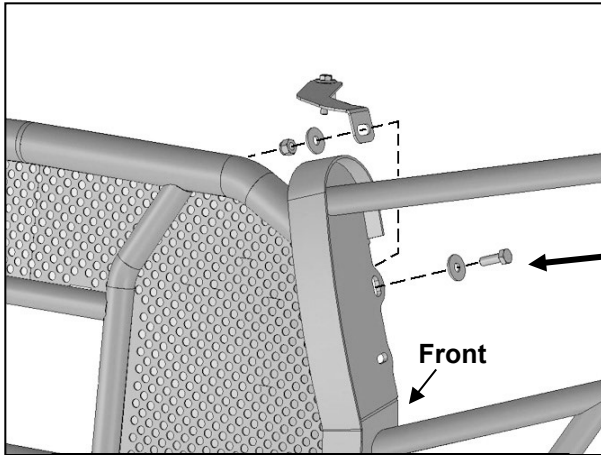
(Fig 16) Attach Grille Guard to outside of Frame Brackets (driver/left side illustrated)

- 8mm x 30mm Hex Bolt
- (2) 8mm Flat Washers
- 8mm Nylon Lock Nut



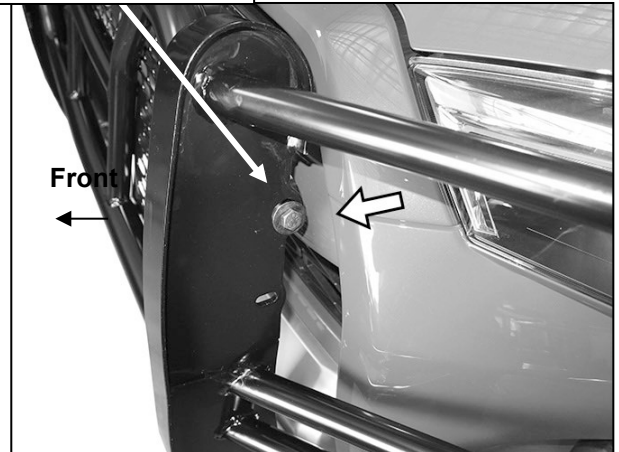
(Fig 18) Attach 2010-13 model driver/left side Top Bracket to lower hole in Grille Guard

Driver/Left Side Installation Pictured



(Fig 19) Attach 2014-on driver/left Top Bracket to upper hole in Grille Guard

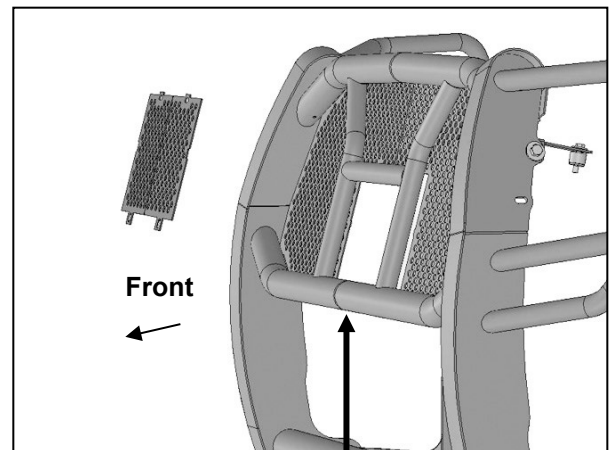
10mmx 30mm Hex Bolt
(2) 10mm Flat Washers
10mm Nylon Lock Nut



(Fig 20) Attach 2014-on driver/left Top Bracket to upper hole in Grille Guard



(Fig 21) 2010-13 model cut out area illustrated for example only



(Fig 22) Models with grille mounted sensor, remove screen from Grill Guard

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) 638-4870

Warranty Terms:

Black Powder Coated:

Limited 3 Year Warranty

Cattleman 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 Cattleman 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.

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

Cattleman 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, Cattleman 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.