



EXTREME GRILLE GUARD

Assembly, Installation, Operation,
and Maintenance Instructions

PART
NUMBER

E0523T

INSTALL
TIME

60-180
MINUTES

2023-2024 FORD F250/ F350 SUPER DUTY

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.

TOOLS REQUIRED

ASSORTED METRIC & S.A.E. WRENCH SET

3/8" DRIVE RATCHET (MIN.)

ASSORTED METRIC & S.A.E. SOCKETS

TORQUE WRENCH (CAPABLE OF 150 FT-LBS.)

SOCKET EXTENSIONS

PACKAGE CONTENTS

GRILLE GUARD	1	12mm PLASTIC RETAINERS	2
DRIVER/LEFT FRAME MOUNTING BRACKET	1	12-1.75mm X 35mm HEX BOLTS	8
PASSENGER/RIGHT FRAME MOUNTING BRACKET	1	12mm X 32mm OD X 3mm FLAT WASHERS	16
DRIVER/LEFT LOWER MOUNTING BRACKET	1	12mm LOCK WASHERS	8
PASSENGER/RIGHT LOWER MOUNTING BRACKET	1	12mm HEX NUTS	8
		4mm ALLEN WRENCH	1

TORQUE SPECIFICATION

TORQUE	SIZE	TORQUE	SIZE
34.5 FT/LBS	10mm	70 FT/LBS	12mm

ASSEMBLY

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE. MINOR PLASTIC TRIMMING IS REQUIRED.

1. Starting at the front-driver side of the front bumper, remove the plastic cover, (if equipped), covering the bumper bolts on both sides of the tow hook, **(Figures 1 & 2)**. Cover re-installation recommended on models with driver/left side adaptive cruise control sensor attached to bumper.

2. Remove the (2) outer bumper bolts, **(Figure 2)**. **IMPORTANT:** Do not remove the inner bumper bolts or the bumper may fall. Only remove the outer bumper bolts.

3. Select the driver/left side Frame Bracket. **NOTE:** Models with plastic covers removed in Step 1, cut openings in outer pocket on covers to clear Brackets, **(Figures 1 & 3)**. Slide covers over Brackets but leave covers loose until after final adjustment, (see Step 12). Reuse the factory bolts to attach the Bracket and plastic cover to the bumper, **(Figure 4)**.

4. Make sure there is clearance between the top and bottom of the Frame Bracket and the opening in the bumper. Do not tighten hardware at this time.

5. Repeat Steps 1-4 for passenger/right side Frame Bracket installation.

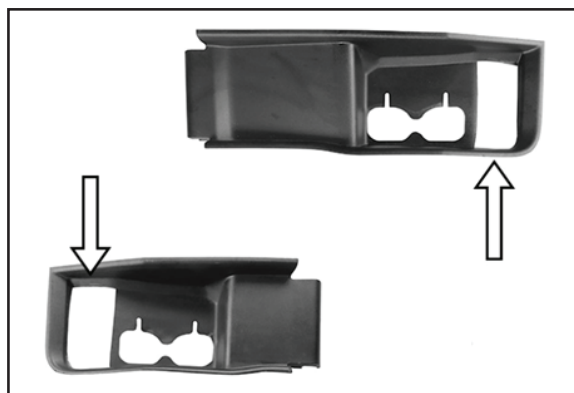
6. Next, remove the plastic air dam from the bottom of the bumper and place it on a clean, stable work surface, **(Figure 5)**. Note the location and type of all factory hardware for reinstallation.



(Figure 1) Remove cover over bumper bolts.



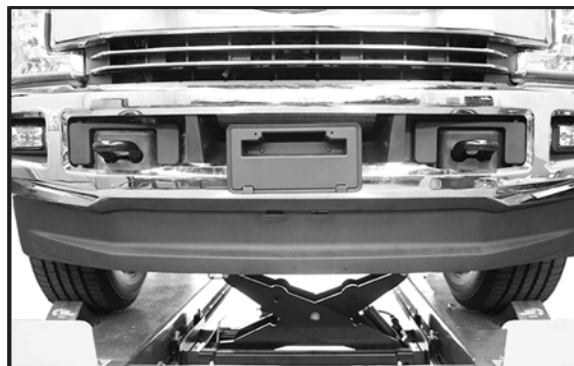
(Figure 2) Remove outer bumper bolts only.



(Figure 3) Cut plastic covers to clear base on Brackets for reinstallation "if desired".



(Figure 4) Reuse factory bumper bolts to attach driver/left Frame Bracket to bumper.



(Figure 5) Remove plastic air dam from bottom of bumper.

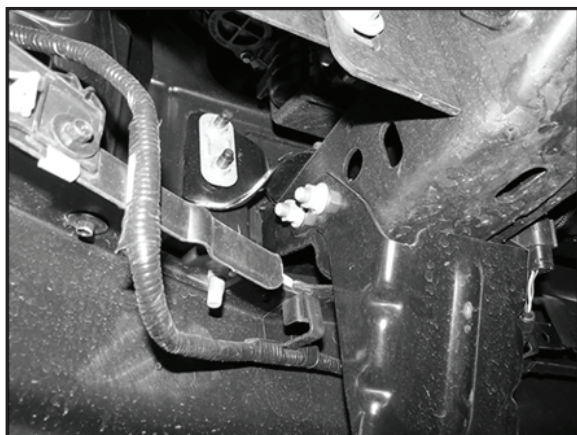
ASSEMBLY (CONTINUED)

7. From under the driver/left side of the bumper, locate the (2) outer hex nuts attaching the car catcher frame extension to the outside of the frame, **(Figure 6)**. Remove (1) of the (2) factory hex nuts, **(Figures 7 & 8)**. Thread (1) Plastic Retainer onto the threaded end of the double bolt plate. Remove the second factory nut from the bolt plate. **NOTE:** The Plastic Retainer is designed to help hold the factory double bolt plate in place in the frame and to help with bracket installation. Do not allow the double bolt plate to fall into the frame channel.

8. Select the driver side Lower Mounting Bracket. Reuse the (2) factory hex nuts to attach the Bracket to the double bolt plate, **(Figure 8 & 9)**. Do not tighten hardware at this time.

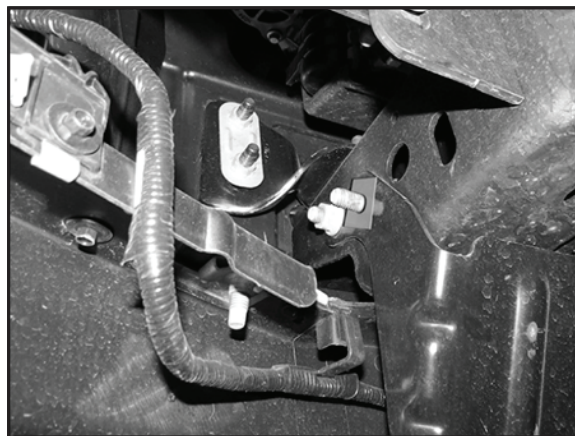
9. Repeat Steps 7 & 8 for passenger/right side Lower Mounting Bracket installation.

10. With assistance, position the Grille Guard up to the outside of the Mounting Brackets.



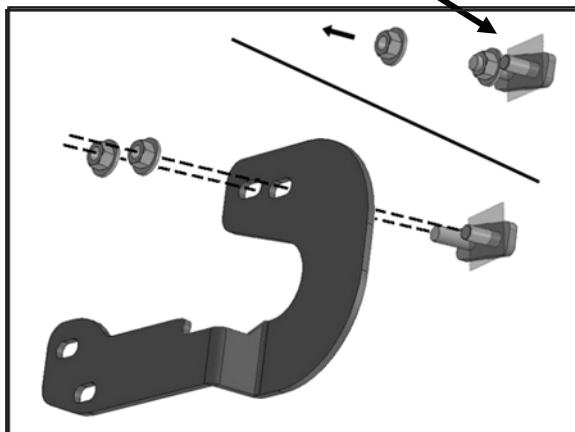
(Figure 6) Driver/left frame extension pictured.

Remove (1) nut, thread (1) 12mm Plastic Retainer onto threaded end before removing remaining hex nut

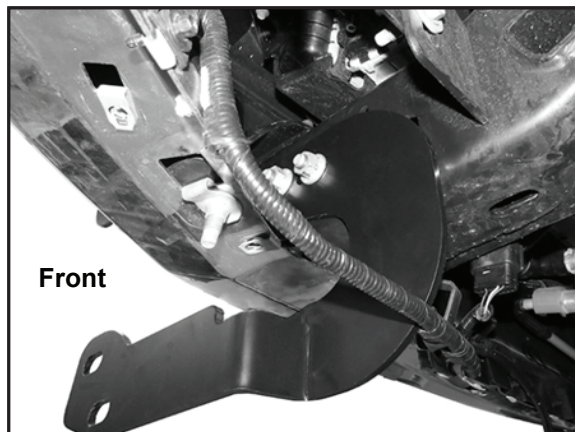


(Figure 7) Driver/left frame extension pictured.

Remove (1) nut, thread (1) 12mm Plastic Retainer onto threaded end before removing remaining hex nut



(Figure 8) Driver/left Lower Bracket illustrated. Reuse factory hardware to attach Bracket to side of frame and frame extension.



(Figure 9) Driver/left Lower Bracket pictured. Reuse factory hardware to attach Bracket to side of frame and frame extension.

ASSEMBLY (CONTINUED)

11. Attach the Grille Guard to the Frame Brackets and Lower Mounting Brackets with the included (8) 12mm x 35mm Hex Bolts, (16) 12mm Flat Washers, and (8) 12mm Hex Nuts, **(Figure 10)**. Do not tighten hardware at this time. **NOTE:** 12mm Lock Washers not needed for this step.

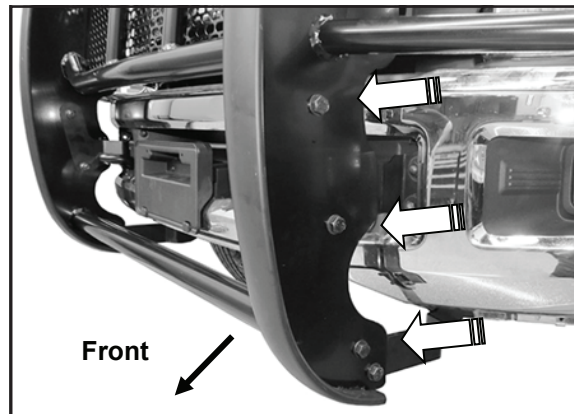
12. Level and adjust the Grille Guard and fully tighten the Bracket-to-vehicle hardware only at this time. Temporarily remove the Grille Guard. Snap modified plastic covers in place, (also see Step 3).

13. Hold the plastic air dam up in position against the Lower Brackets and mark the location of the Brackets onto the top of the air dam, **(Figure 11)**. Measure the location of the Lower Brackets and transfer these measurements onto the back of the air dam, **(Figure 12)**. Place the air dam back up to the (2) Lower Mounting Brackets to verify location before cutting. Check all measurements on the vehicle. Once absolutely satisfied, use a hacksaw blade or utility knife to carefully cut (2) openings in air dam. Check fit, trim as necessary and reuse the factory hardware to reinstall air dam over Lower Brackets. **IMPORTANT:** Do not cut through the top or bottom edge of the air dam, **(Figure 12)**. **NOTE:** It may be necessary to loosen or temporarily remove the Lower Mounting Brackets only to reinstall the air dam.

14. Reinstall the Lower Brackets through the air dam "if previously removed".

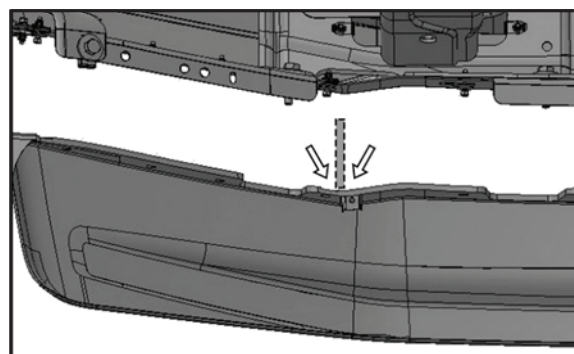
15. Reinstall the Grille Guard as described in Steps 10-12. Level and adjust Grille Guard and fully tighten all hardware.

- (4) 12mm x 35mm Hex Bolts
- (8) 12mm Flat Washers
- (4) 12mm Lock Washers
- (4) 12mm Hex Nuts



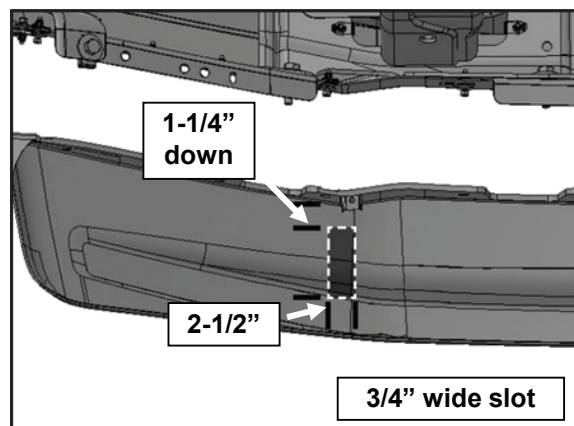
(Figure 10) Attach Grille Guard to outside of Brackets (arrows).

Hold air dam up against bottom of Brackets (dashed line for reference). Mark location of Bracket onto top of air dam (arrows).



(Figure 11) Driver side-back of air dam illustrated

Do not cut through the top or bottom edges of the air dam. Only remove enough material to clear the Brackets.



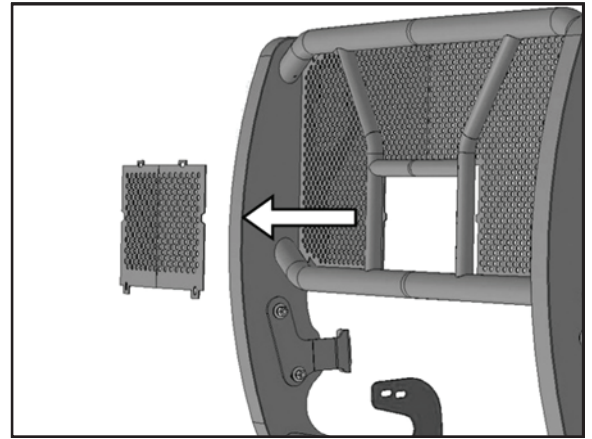
(Figure 12) Driver side-back of STD air dam illustrated. All measurements are for reference and example only, check all measurements before cutting air dam.

ASSEMBLY (CONTINUED)

16. On models with grille emblem mounted camera, use included 4mm Allen Wrench to remove center window screen from back of Grille Guard, **(Figure 13)**.

17. 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 Extreme Grille Guard.



(Figure 13) On models with grille mounted camera, remove center window screen.



PRODUCT CARE/MAINTENANCE

- 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.

FAQs

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.
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.
Missing / Excess Hardware.	Recheck hardware count as per the part list.
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.
Who should be contacted for questions regarding product / installation assistance?	www.trailfx.com / support@trailfx.com or 1-(866) 638-4870

CONTACT US

WEBSITE: TrailFX.com

PHONE: 1-866-638-4870

EMAIL: support@trailfx.com

PRODUCT WARRANTY

Limited 3-Year 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.

This 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 the date of purchase.

This 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 products 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.