



Assembly, Installation, Operation and
Maintenance Instructions
3" Bull Bar

Part Number:
B0044T/S

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 ⚠️

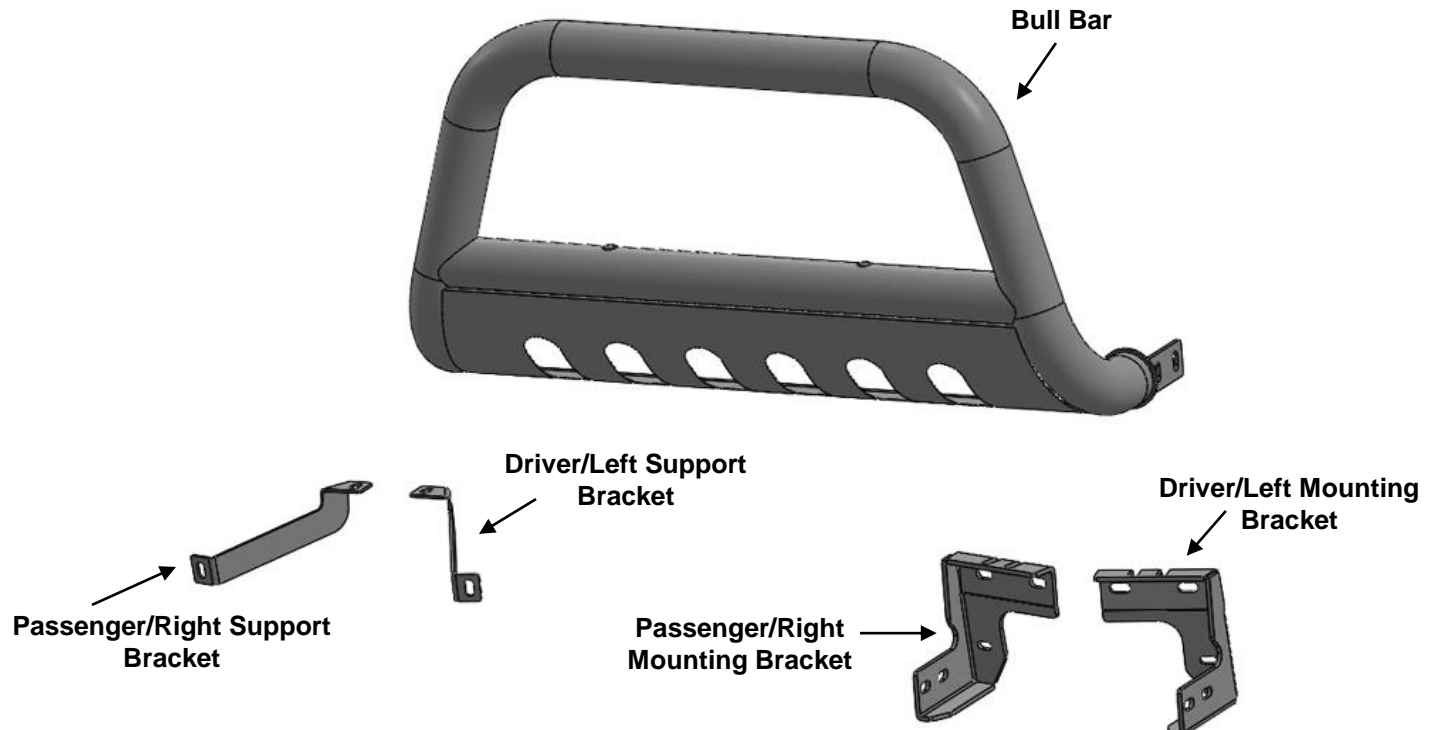
APPLICATION: 2022-2023 TOYOTA TUNDRA

PARTS LIST

Qty	Part Description	Qty	Part Description
1	Bull Bar	6	10mm x 35mm Hex Bolts
1	Driver/Left Mounting Bracket	14	10mm x 30mm OD x 2.5mm Flat Washers
1	Passenger/Right Mounting Bracket	8	10mm Lock Washers
1	Driver/Left Support Bracket	8	10mm Hex Nuts
1	Passenger/Right Support Bracket	2	10mm Fish Wires
2	10mm x 35mm Bolt Plates		

TORQUE SPECIFICATION

Size	Torque	Size	Torque
10 MM	34.5 ft/lbs		



INSTALLATION PROCEDURE:

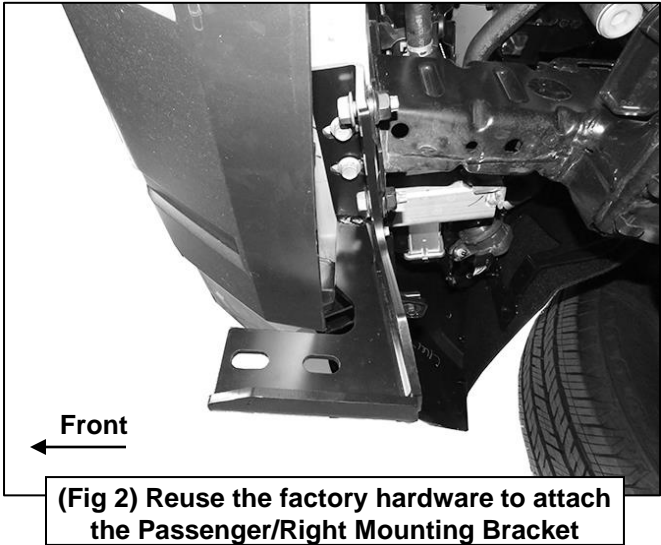
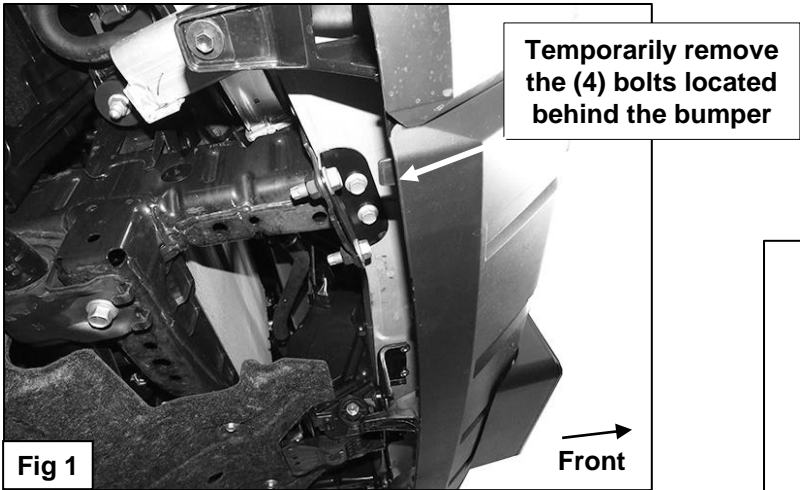
REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. INSTALLATION MAY INTERFERE WITH FRONT MOUNTED SENSORS.

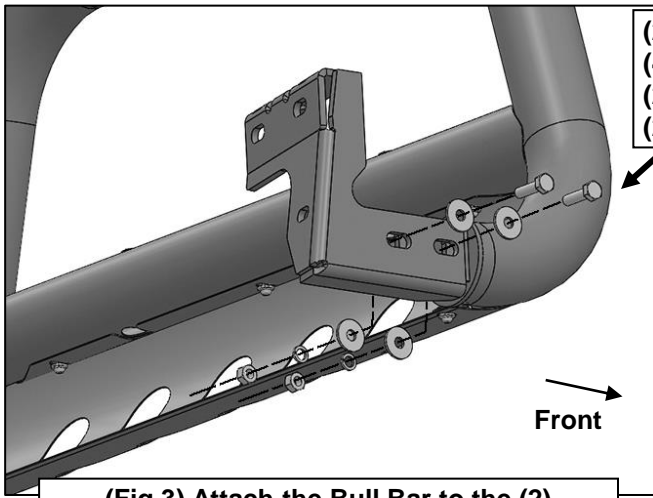
1. Start installation under the Passenger/Right front side of the vehicle. Locate the end of the frame just behind the bumper and temporarily remove the (4) factory bolts, (Figure 1).
2. Select the Passenger/Right Mounting Bracket. Reuse the factory bolts to attach the Mounting Bracket to the frame, (Figure 2). Do not tighten hardware.
3. Repeat Step 1 to attach the Driver/Left Mounting Bracket.
4. Select the Bull Bar. Attach the Bull Bar to the (2) Mounting Brackets with (4) 10mm Hex Bolts, (8) 10mm Flat Washers, (4) 10mm Lock Washers and (4) 10mm Hex Nuts, (Figures 3 & 4). Do not tighten hardware.
5. Select (1) 10mm Bolt Plates and (1) 10mm Fish Wire. Thread the Fish Wire onto the Bolt Plate, (Figure 5). Insert the end of the Fish Wire into the large hole and guide the Bolt Plate though to the smaller hole towards the side of the vehicle, (Figures 6 & 7).
6. Select the Passenger/Right Support Bracket. Attach the Support Bracket to the Bolt Plate with (1) 10mm Flat Washer, (1) 10mm Lock Washer and (1) 10mm Hex Nut, (Figure 8). Attach the Support Bracket to the Mounting Bracket with (1) 10mm Hex Bolt, (2) 10mm Flat Washers, (1) 10mm lock Washer and (1) 10mm Hex Nut, (Figures 9 & 10). Do not tighten hardware.
7. Repeat Steps 5 & 6 to attach the Driver/Left Support Bracket to the frame and Mounting Bracket.
8. Level and adjust the Bull Bar, then tighten all hardware.
9. 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 Bull Bar

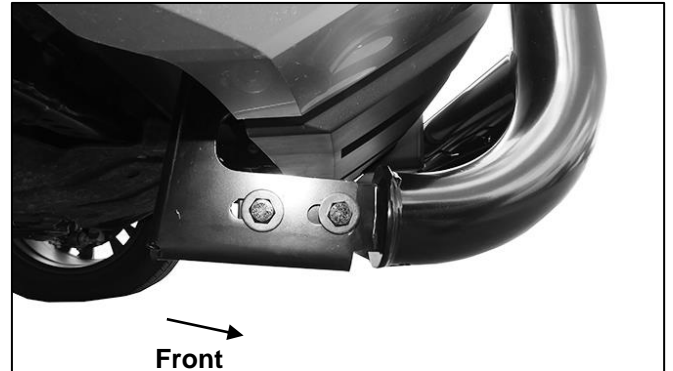
INSTALLATION IMAGES:

Driver/Left Side Installation Pictured

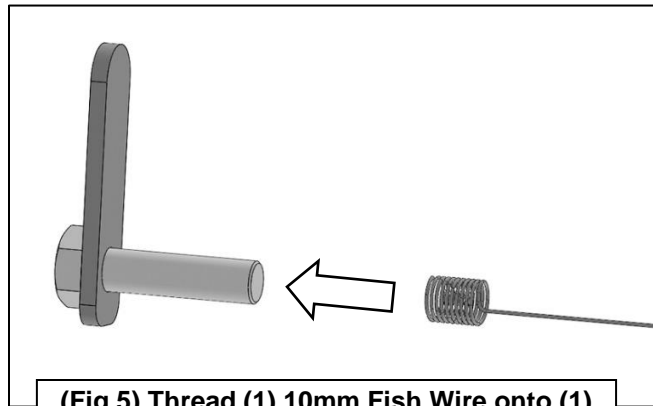




(Fig 3) Attach the Bull Bar to the (2) Mounting Brackets



(Fig 4) Bull Bar attached to the Passenger/Right Mounting Bracket



(Fig 5) Thread (1) 10mm Fish Wire onto (1) 10mm Bolt Plate



(Fig 6) Insert (1) 10mm Bolt Plate with Fish Wire into the large hole on the crossmember and out the smaller hole towards the side of the vehicle

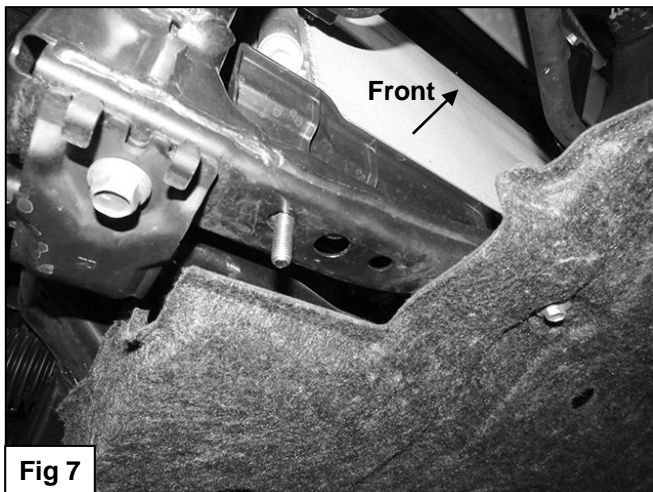
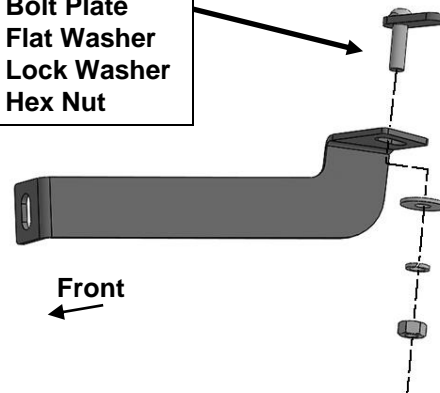
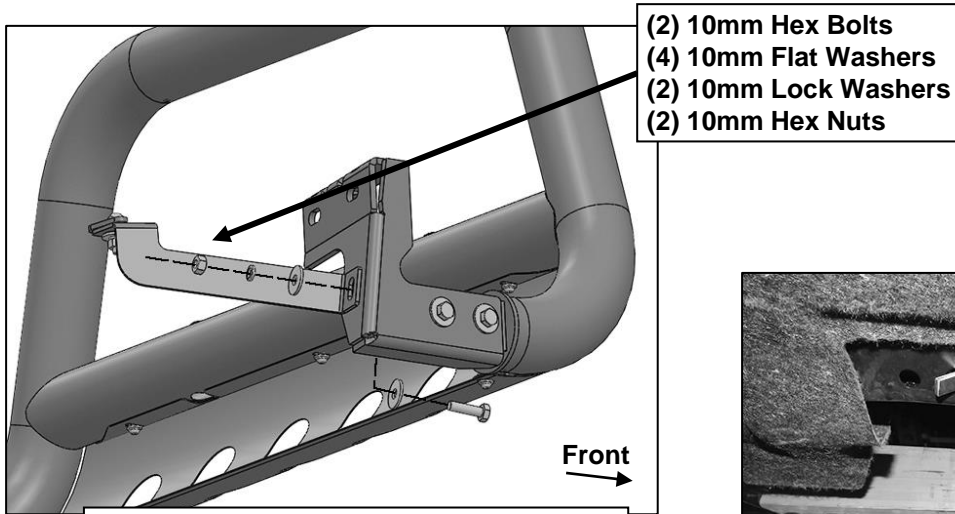


Fig 7

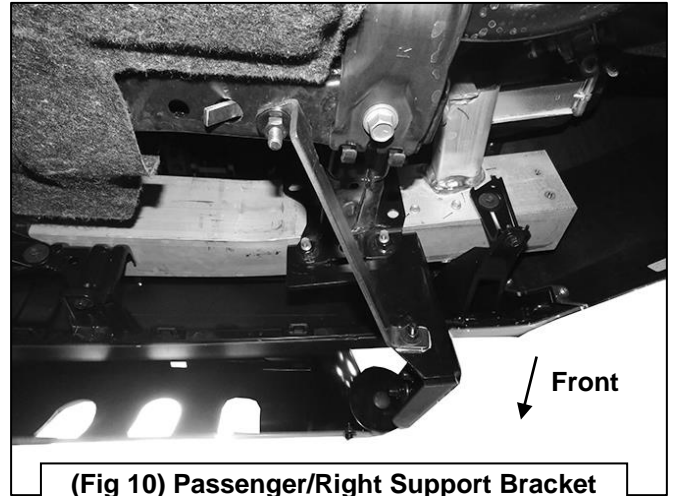
10mm Bolt Plate
10mm Flat Washer
10mm Lock Washer
10mm Hex Nut



(Fig 8) Attach the Passenger/Right Support Bracket to the Bolt Plate



(Fig 9) Attach the Passenger/Right Support Bracket to the Mounting Bracket



(Fig 10) Passenger/Right Support Bracket attached to the frame and Mounting Bracket

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 / 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.