



3" Bull Bar

Part No. 2030333103



Fits: 1998 - 2012

Ford Ranger (Excl. STX)



REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT.



READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.



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



30-60 min



Cutting Not Required



Drilling Not Required



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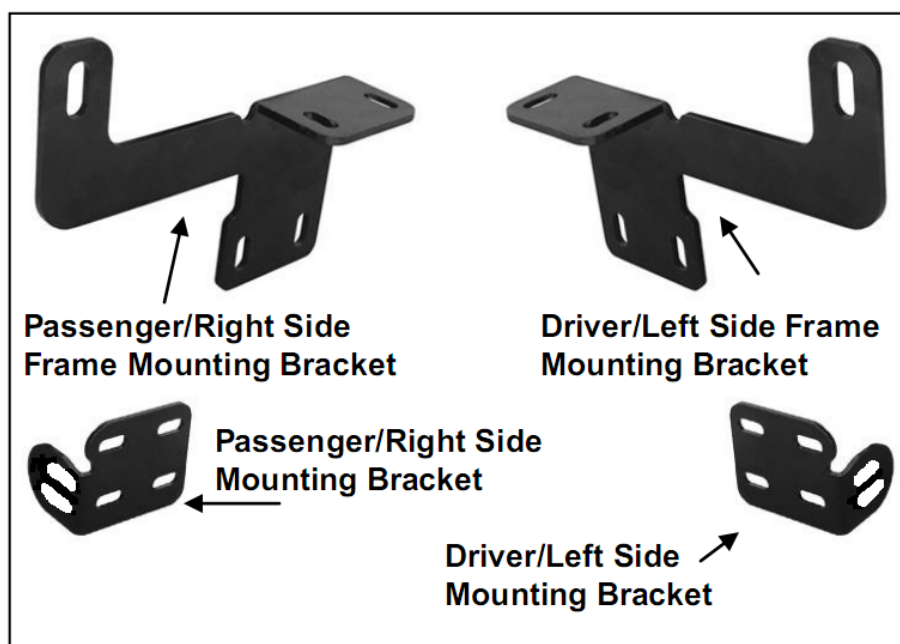
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POLISHED STAINLESS STEEL – LIMITED LIFETIME
POWDER COATED BLACK – 3 YEARS

PARTS LIST:

Qty	Part Description	Qty	Part Description
1	Bull Bar	2	8mm Hex Nuts
1	Passenger/Right Frame Mounting Bracket	4	10mm x 35 mm Head Hex Bolts
1	Driver/Left Frame Mounting Bracket	4	10mm Lock Washers
1	Passenger/Right Mounting Brackets	8	10mm Flat Washers
1	Driver/Left Mounting Brackets	4	10mm Hex Nuts
4	8-1.25mm x 25mm Special Self Tapping Flange Bolts	2	12-1.75mm x 110 mm Head Hex Bolts
2	8-1.25mm x 55mm Double Sided Studs W/Nut	2	12mm Large Flat Washers
4	8-1.25mm x 25 Head Hex Bolts	2	12mm STD Flat Washers
8	8mm Lock Washers	2	12mm Lock Washers
8	8mm Flat Washers	2	12-1.75mm Hex Nuts

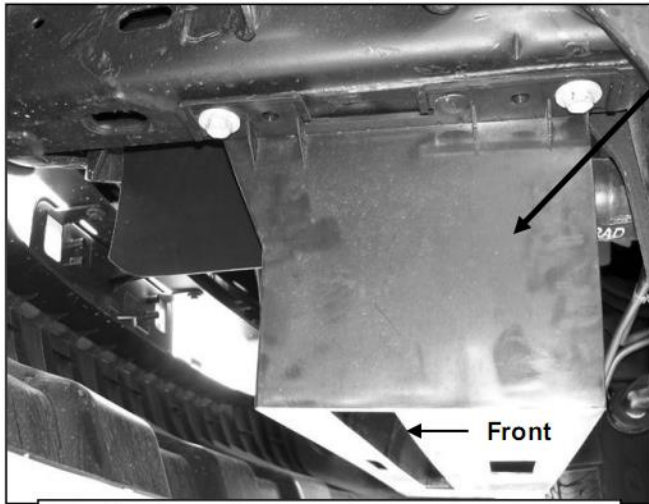


INSTALLATION PROCEDURE:

FACTORY SKID PLATE MUST BE REMOVED OR MODIFIED FOR INSTALLATION. NOTE: It may be necessary to remove/relocate front license plate and license plate bracket. It is not required, but strongly recommended. If local/state law requires a license plate, license plate relocation kit is available.

1. Start the installation on the driver side, front of the vehicle. If vehicle is equipped with a plastic air box, remove the air box, **(Figure 1)**. Select the driver side Frame Mounting Bracket. Hold the Bracket in position against the outside of the frame channel. Insert (1) 12mm x 110mm Hex Bolt with (1) 12mm STD Flat Washer sideways through the Mounting Bracket and frame, **(Figure 2)**. Thread (1) 12mm Large Flat Washer, (1) 12mm Lock Washer and (1) 12mm Hex Nut onto the end of the 12mm x 110mm Hex Bolt, **(Figure 3)**. Do not tighten hardware at this time.
2. Line up the (2) slots in the bottom of the Bracket with the (2) factory holes in the bottom of the frame.
 - a. **1998-2009 vehicles without plastic air box:** Slowly thread (2) 8mm x 25mm Self Tapping Flange Bolts into the factory holes in the frame, **(Figure 4)**. Do not tighten hardware at this time. Repeat this Step for passenger side Frame Bracket installation. **IMPORTANT!** Do not over-tighten the Bracket hardware or damage to the frame may result.
 - b. **2010-2011 vehicles with plastic air box or factory skid plate (must be removed):** The forward hole is not threaded; the rear hole is threaded for a hex bolt and was used to hold the air box or skid plate in place. Slowly thread the (1) 8mm x 25mm Self Tapping Flange Bolt into the onward unthreaded hole in the frame, **(Figure 5A)**. Do not tighten hardware. Thread (1) 8-1.25mm x 50mm Double Sided Stud with (1) 8mm Flat Washer and (1) 8mm Lock Washer into the rear threaded hole, **(Figure 5A & 5B)**. **NOTE:** Installation of the 8mm Double Sided Stud will require a long reach deep socket. Snug but do not tighten hardware at this time. Repeat this Step for passenger side Frame Mounting bracket installation. **IMPORTANT!** Do not over-tighten the Mounting Bracket hardware or damage to the frame may result.
3. Next, determine the correct mounting position for the driver side Bull Bar Mounting Bracket: Determine if the truck is equipped with tow hooks.
 - a. **1998-2009 models:** Use the higher installed position to raise the Bull Bar, **(Figure 6A)**.
 - b. **2010-2011 models:** Use the lower installed position to clear the factory spoiler, **(Figure 6B)**.
4. Bolt the driver side Mounting Bracket to the outside of the Frame Mounting Bracket with the included (2) 10mm x 35mm Hex Bolts, (4) 10mm Flat Washers, (2) 10mm Lock Washers and (2) 10mm Hex Nuts, **(Figure 6A or 6B)**. Do not tighten hardware at this time. Repeat this Step for passenger side Bracket installation.
5. With help position the Bull Bar up to the Mounting Brackets. Use the included (2) 12mm x 50mm Hex Bolts, (2) 12mm Lock Washers and (2) 12mm Flat Washers to attach the Bull Bar to the Mounting Brackets, **(Figure 7)**. Snug but do not tighten hardware at this time.
6. Adjust the Bull Bar properly and tighten all hardware. **IMPORTANT!** Do not over-tighten the Mounting Bracket hardware or damage to the frame may result.
7. **On vehicles with plastic air box removed in Step 1:** Remove the (2) plastic clips from the plastic air box, **(Figure 8)**. Hold the air box up to the vehicle. Insert the plastic clips into the forward previously unused holes if there are corresponding holes in the bottom of the frame. If there are no holes in the frame, discard the plastic clips. Place the air box in position over the 8mm Double Sided Stud on the driver side. Secure the air box to the 8mm Double Sided Stud with (1) 8mm Flat Washer, (1) 8mm Lock Washer and (1) 8mm Hex Nut, **(Figure 9)**. Bolt the front of the air box to the frame rail with the factory hex bolt and the plastic clip-if used, **(Figure 10)**. Do not tighten hardware at this time. Repeat this step to attach the air box on the passenger side. Tighten all hardware.

Driver Side Installation Pictured



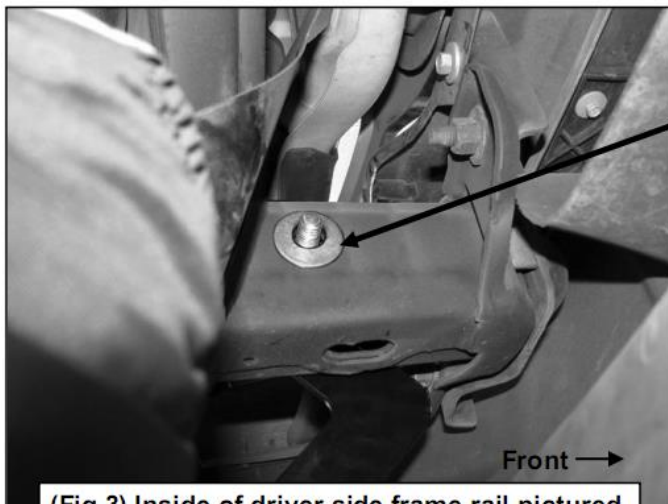
(Fig 1) Driver side mounting location pictured

Remove the factory plastic air box-if equipped

12mm x 110mm Hex Bolt
12mm x 32mm STD Flat Washer



(Fig 2) 2010-2011 model pictured

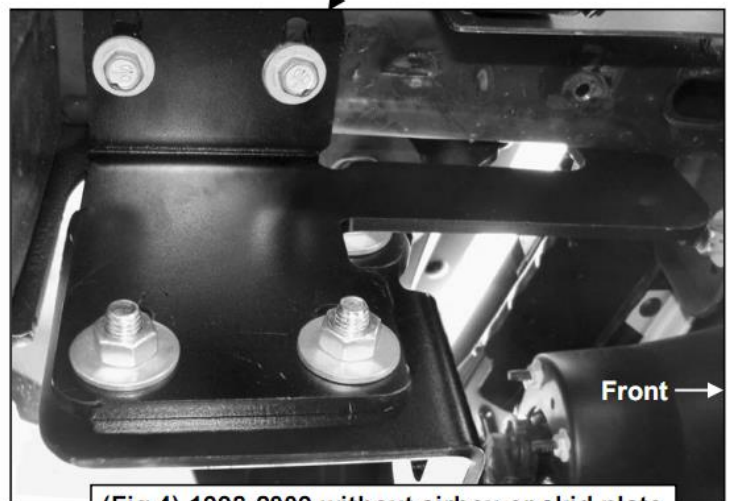


(Fig 3) Inside of driver side frame rail pictured

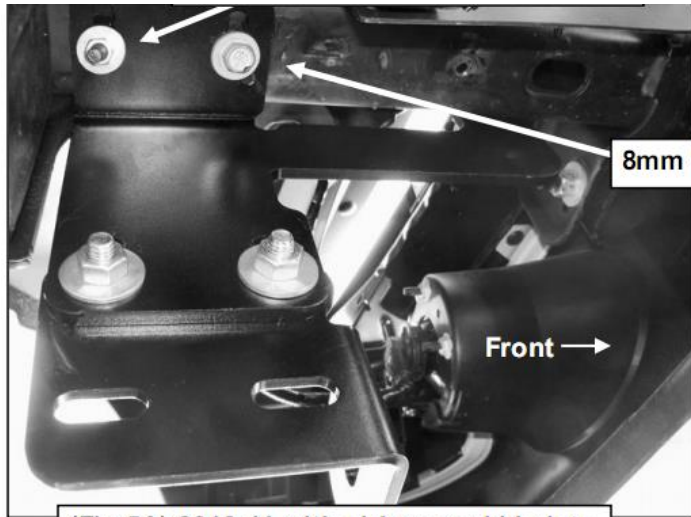
12mm x 44mm Large Flat Washer

12mm Lock Washer
12mm Hex Nut
(not pictured)

(2) 8mm Self Tapping Flange Bolts



(Fig 4) 1998-2009 without airbox or skid plate

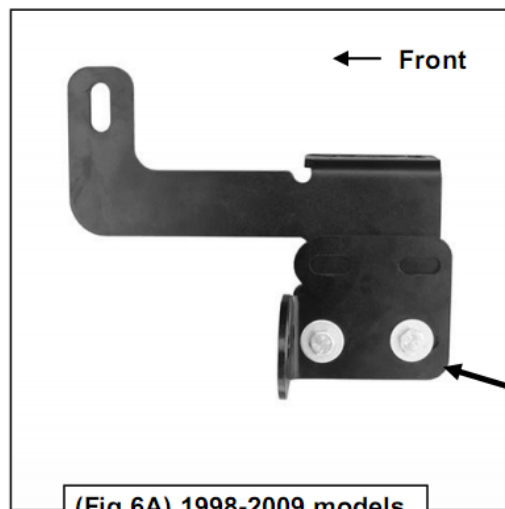


8mm Self Tapping Flange Bolt



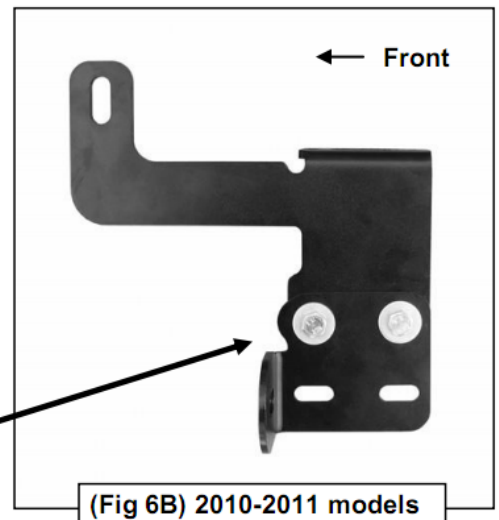
(Fig 5B) 8 mm x 55mm Double Sided Stud

(Fig 5A) 2010-11 with airbox or skid plate

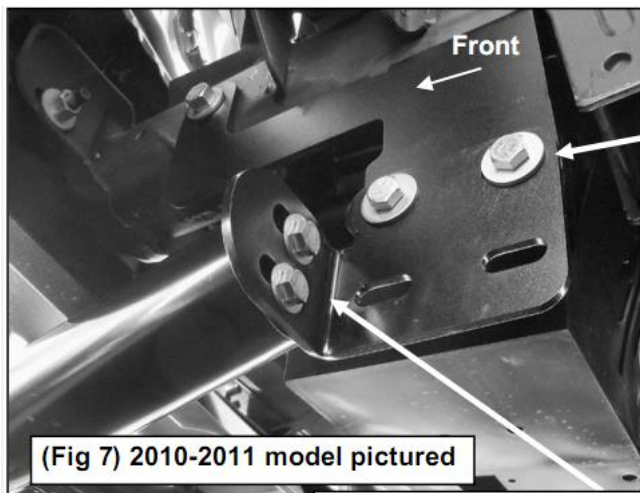


(Fig 6A) 1998-2009 models

- 10mm x 35mm Hex Bolts
- 10mm Flat Washers
- 10mm Lock Washers
- 10mm Hex Nuts



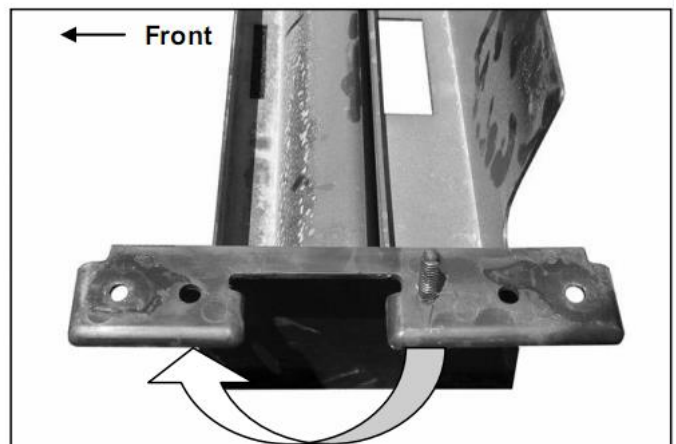
(Fig 6B) 2010-2011 models



(Fig 7) 2010-2011 model pictured

- (2) 10mm x 35mm Hex Bolts
- (4) 10mm Flat Washers
- (2) 10mm Lock Washers
- (2) 10mm Hex Nuts

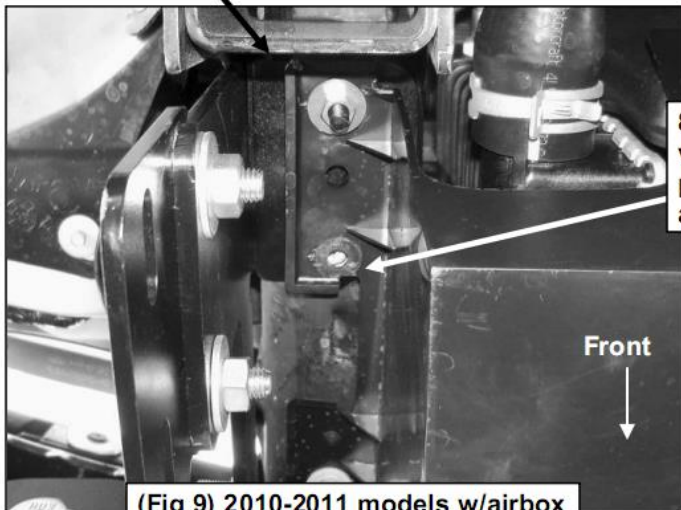
- (2) 8-1.25mm x 25 Head Hex Bolts
- (2) 8mm Flat Washer
- (2) 8mm Lock Washer



(Fig 8) 2010-2011 models w/airbox

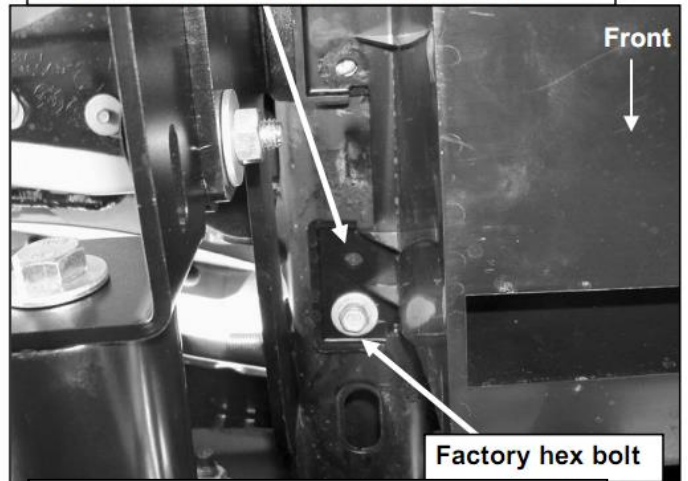
8mm x 50 mm Double Sided Studs
8mm Flat Washer
8mm Lock Washer
8 mm Hex Nuts

Relocate factory plastic fastener from this hole to this one on air box if bottom of frame is equipped from factory with hole in this position, (See Fig 10)



8mm Self Tapping Flange Bolt (not visible under air box flange). Reinstall plastic airbox onto Double Sided Stud and over Self Tapping Hex Bolt.

Factory plastic fastener (or discard fastener if there is no hole in frame as pictured)



(Fig 9) 2010-2011 models w/airbox

(Fig 10) 2010-11 models w/air box driver Side pictured from below vehicle

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, ensure that holes are not partially covered with any plastic grommet or rust? If it is, 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.

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. Refer Parts identification guide.

5. Missing / Excess Hardware.

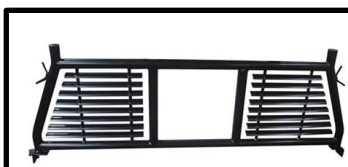
Recheck hardware count as per the part list.

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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**SIDE BARS****ROCKER GUARD****HEADACHE RACKS****RUNNING BOARDS**

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