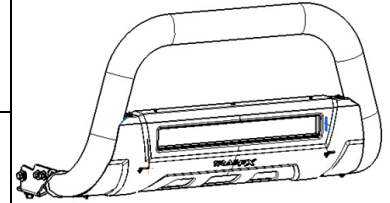




3.5" Oval Bull Bar

Part No. B1607S/B



Fits: **2004-Current**
2003-2017
2007-2008

F-150
Ford Expedition
Lincoln MK-LT



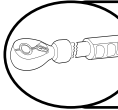
(Excl. Heritage edition and 10-14 F150 Raptor models)
THE BULL BAR MAY INTERFERE WITH PARKING SENSORS, PROXIMITY SENSORS AND CRUISE CONTROL SENSORS.



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.



60-180 min



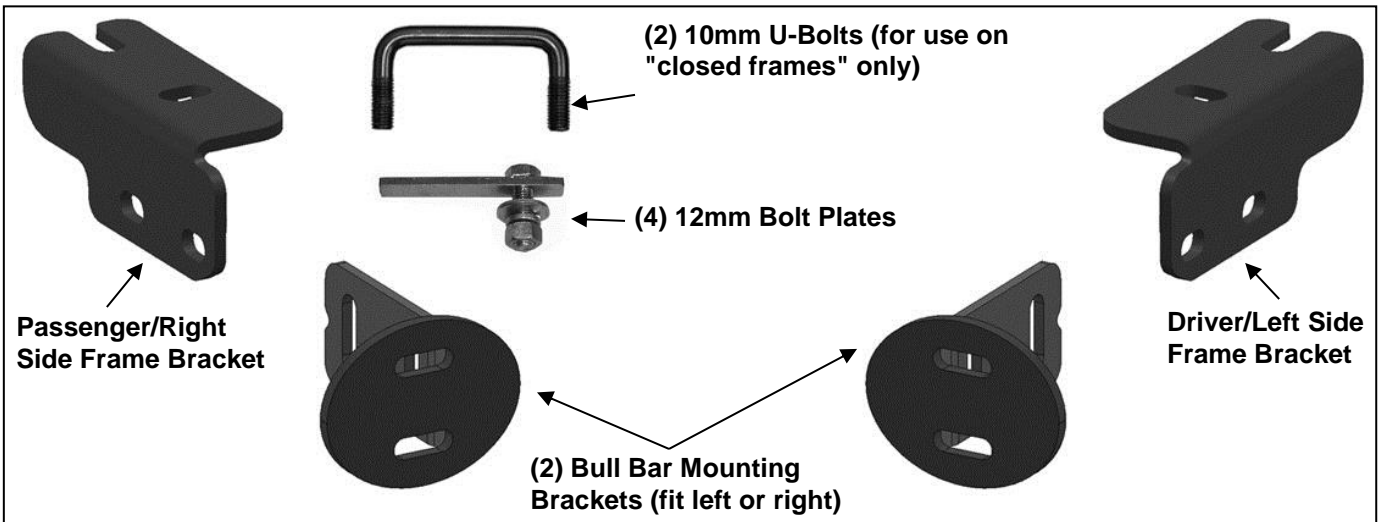
Cutting Required



Drilling Not Required

PARTS LIST:

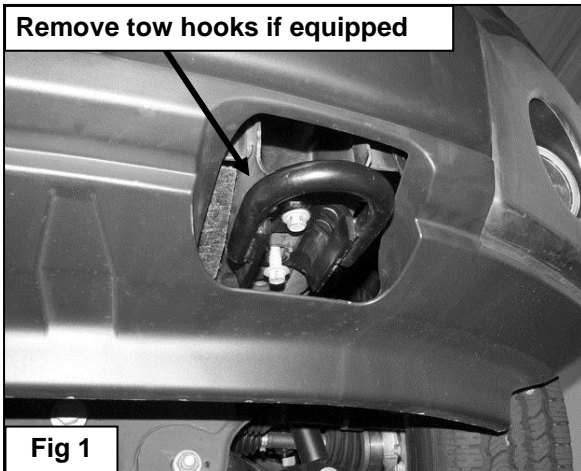
Qty	Part Description	Qty	Part Description
1	3.5in Oval Bull Bar Assembly	4	12-1.75mm Hex Nuts
1	Driver side Frame Bracket	2	10mm U-Bolt (for use on "closed frames" only)
1	Passenger Side Frame Bracket	4	10-1.50mm x 35mm Hex Bolts
2	Bull Bar Mounting Brackets	12	10mm x 27mm OD x 3mm Flat Washers
4	12mm x 40mm Bolt Plates	8	10-1.50mm Nylon Lock Nuts
4	12mm Plastic Retainers	4	8-1.25mm x 35mm Hex Bolts
4	12mm x 32mm OD x 3mm Flat Washer	4	8mm x 22mm OD x 2mm Flat Washers
4	12mm Lock Washers	4	8mm Lock Washers



INSTALLATION PROCEDURE:

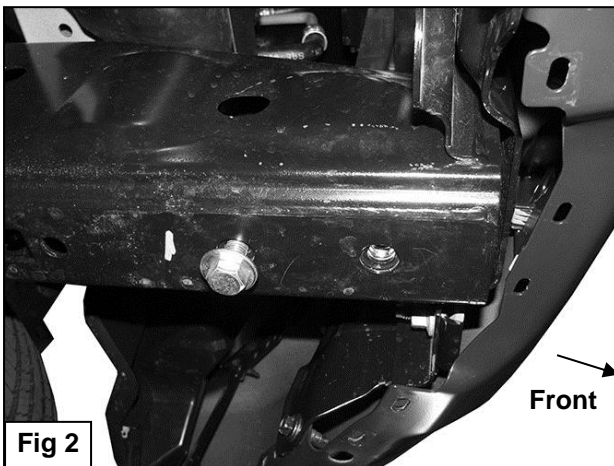
REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. CUTTING MAY BE REQUIRED. ASSISTANCE IS RECOMMENDED. NOTE: It may be necessary to remove/relocate the front license plate and license plate bracket. It is not required, but strongly recommended. If local/state law requires a license plate, license plate relocation kit is available.

1. Determine if the vehicle is equipped with tow hooks, **(Figure 1)**.

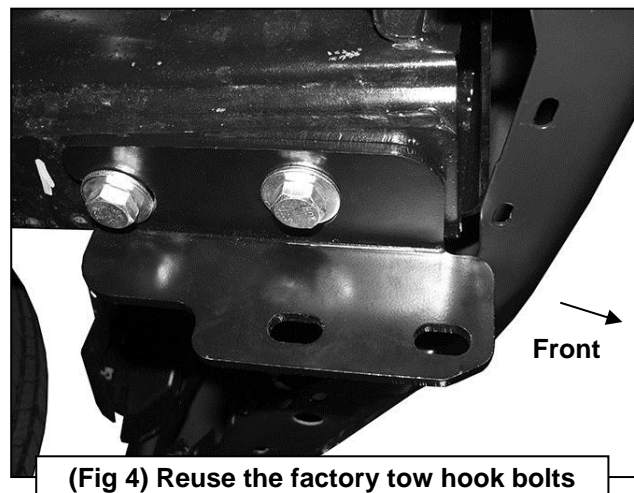
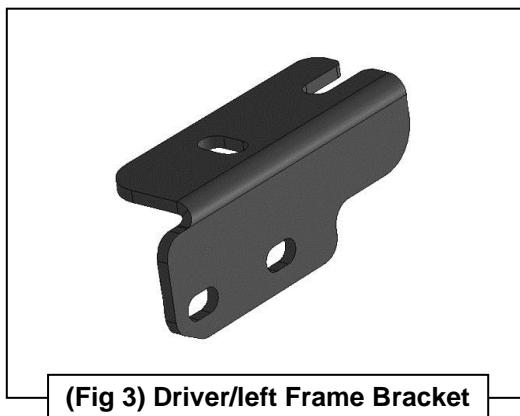


Vehicles with Factory Tow Hooks

- a. Remove the driver/left tow hook by removing the front bolt and only loosening the rear bolt, **(Figure 2)**. Slide the tow hook off. Leave the rear hex bolt in place to hold the factory double nut plate in the frame and aligned with the holes. **NOTE:** Tow hooks cannot be reinstalled.



- b. Select the driver side Frame Bracket, **(Figure 3)**. Position the Bracket up to the bottom of the frame. Reuse the tow hook hardware to attach the Bracket to the bottom of the frame and factory double nut plate, **(Figure 4)**. Do not tighten hardware at this time.



- c. Repeat to install the passenger side Frame Bracket.

- d. Proceed to **Step 2**.

All vehicles without Tow Hooks

Remove the lower plastic portion of the bumper to gain access to the ends of the frame rails, **(Figure 5)**. The lower bumper or splash guard will need to be cut out to allow the Mounting Brackets and end of Bull Bar to pass through, **(See Step 4)**. On some models, access to the mounting hardware is limited. For access, first remove the plastic bumper cover from each side of the opening and in the center of the bumper, **(Figure 6)**.



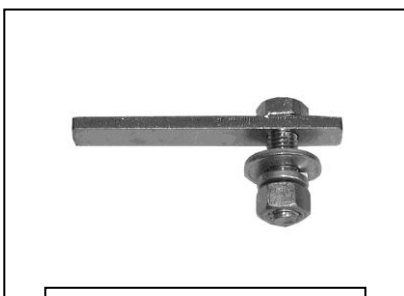
(Fig 5) Temporarily remove the splash guard as required to gain access to the front of the frame channel.



(Fig 6) Remove bumper pads to access splash guard hardware if necessary. 2015 F150 pictured

Vehicles without Tow Hooks and open end of frame

- a. Select (1) 12mm Bolt Plate, **(Figure 7)**. Insert the Bolt Plate into the open end of the frame and down through the rear hole in the bottom of the frame, **(Figure 8)**. Thread (1) 12mm Flat Washer, (1) 12mm Lock Washer and (1) 12mm Hex Nut onto the Bolt Plate.



(Fig 7) 12mm Bolt Plate

Insert Bolt Plates through open end of frame

- (2) 12mm x 40mm Bolt Plates**
- (2) 12mm Lock Washers**
- (2) 12mm Flat Washers**
- (2) 12mm Hex Nuts**



Fig 8

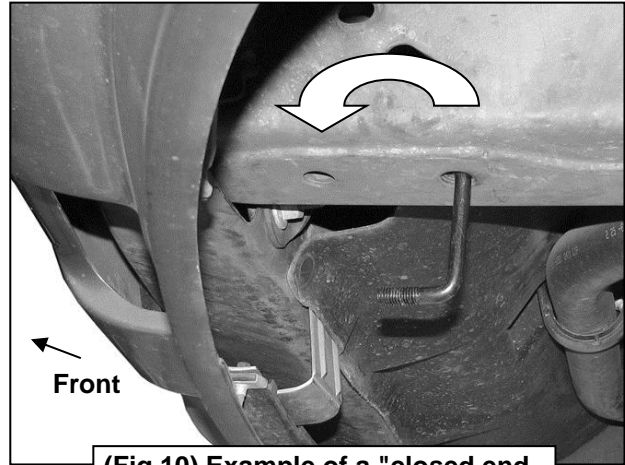
- b. Slide the slotted end of the driver side Bracket under the Nut and Washers.
- c. Insert (1) 12mm Bolt Plate through the remaining hole toward the front of the Mounting Bracket. Secure the Bracket to the forward Bolt Plate with (1) 12mm Flat Washer, (1) 12mm Lock Washer and (1) 12mm Hex Nut, **(Figure 8)**. Do not tighten the hardware.
- e. Repeat to install the passenger side Frame Bracket.
- f. Proceed to **Step 2**.

Vehicles without Tow Hooks, closed end of frame

- a. Locate the two holes in the bottom of the frame. Insert (1) 10mm U-Bolt into one hole and out the other, **(Figures 9 & 10)**.

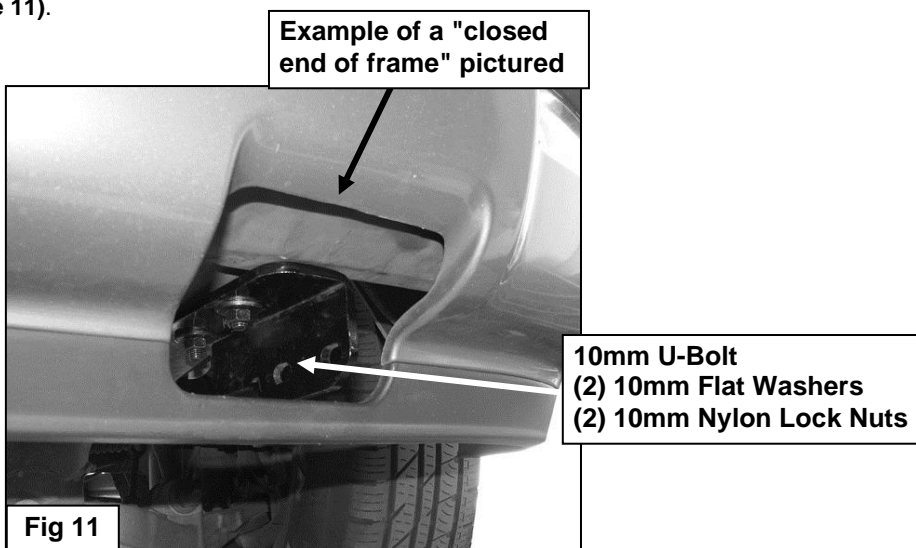


(Fig 9) Insert 10mm U-Bolt into one hole and out the other. (U-Bolt is only used on vehicles with "closed end frames")



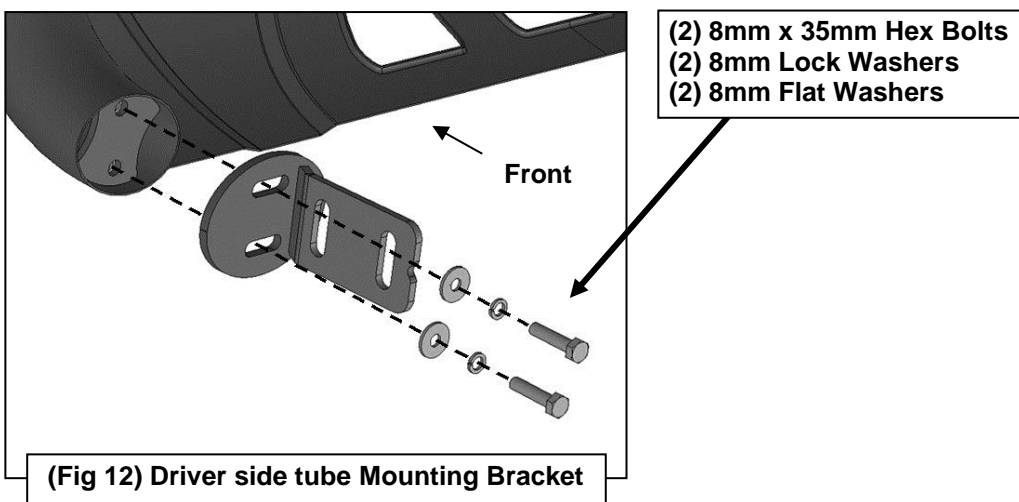
(Fig 10) Example of a "closed end of frame" installation pictured

- b. Attach the driver/left Frame Bracket to the U-Bolt with (2) 10mm Flat Washers and (2) 10mm Nylon Lock Nuts, (Figure 11).



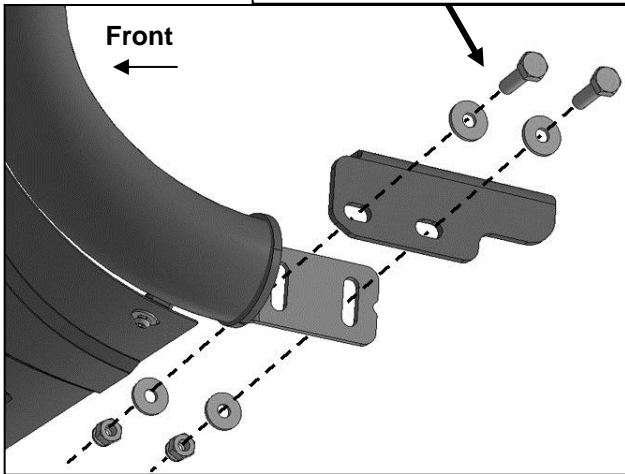
- c. Snug but do not tighten the hardware.
 d. Repeat to install the passenger side Frame Bracket.

2. Next, carefully unwrap the Bull Bar. Select (1) Bull Bar Mounting Bracket, (Figure 12). Attach the Bracket to the end of the Bull Bar with (2) 8mm x 35mm Hex Bolts, (2) 8mm Lock Washers and (2) 8mm Flat Washers. Center the mounting flange on the Bracket with the end of the tube on the Bull Bar. Snug but do not tighten hardware. Repeat this Step to install the passenger side Mounting Bracket.

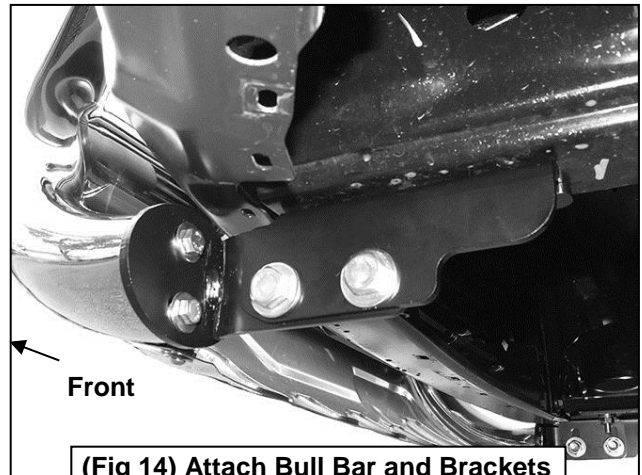


3. With assistance, line up the mounting tabs on the Bull Bar with the inside of the (2) previously installed Frame Brackets. Attach the Bull Bar to the Frame Brackets with the included (4) 10mm x 35mm Hex Bolts, (8) 10mm Flat Washers and (4) 10mm Nylon Lock Nuts, (Figures 13 & 14). Snug but do not tighten hardware at this time.

(2) 10mm x 35mm Hex Bolts
 (0) 10mm Flat Washers
 (2) 10mm Nylon Lock Nuts



(Fig 13) Attach Bull Bar and Brackets to inside of Mounting Brackets



(Fig 14) Attach Bull Bar and Brackets to inside of Mounting Brackets

4. Level and adjust the Bull Bar properly and fully tighten all hardware.

Models without openings in lower bumper or splash guard for tow hooks.

- a. Hold the cover up to the bottom of the bumper, (Figure 15).

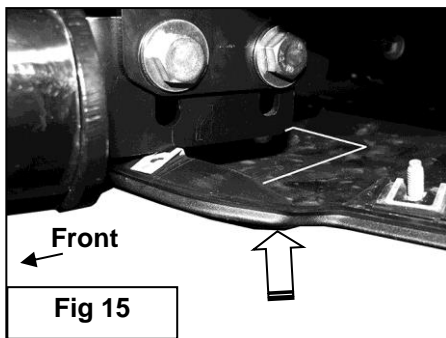
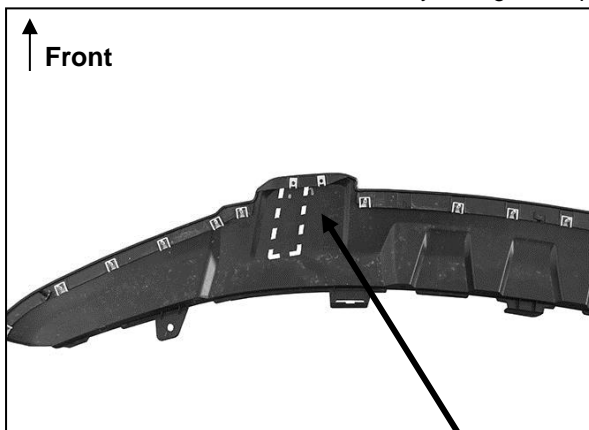


Fig 15

- b. Trace the location of both Brackets onto the back of the cover, (Figure 15).
- c. Temporarily remove the Bull Bar with attached Tube Brackets only. Do not remove the Frame Brackets.
- d. Cut openings in the cover to clear the Frame Brackets and end of Bull Bar as necessary, (Figure 16). For best results, start with a small slot and slowly enlarge the opening to clear the Brackets.



(Fig 16) Only cut enough to clear the Brackets, do not cut through the front or rear edges of the cover.

Hold the splash guard up to the bottom of the Brackets. Trace the location of the Brackets onto the inside of the splash guard. Use a sharp knife or hacksaw blade to cut out the plastic cover. Only cut enough to clear the Brackets, do not cut through the front or rear edges of the cover.

- e. Once cover is properly fit to the Brackets, reinstall the cover and Bull Bar as previously described.

5. Do periodic inspections to the installation to make sure that all hardware is secure and tight.