



INSTRUCTIONS—INSTRUCCIONES—CONSIGNES

APPLICATION: 2011 FORD EXPLORER
APP PART # 31-5570
E SERIES BULL BAR

AUTOMOTIVE PRODUCTS, INC.

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	BULL BAR	18MM SOCKET
2,3	2	FRAME MOUNTING BRACKETS (2) DRIVERS SIDE, (3) PASSENGER SDE	18MM WRENCH
4	2	SPACER PLATES	RATCHET
5	2	M12 BOLT PLATES	TORQUE WRENCH
6	2	M12 NUT PLATES	
7	2	M12 X 50MM HEX HEAD BOLTS	
8	4	M12 X 35MM HEX HEAD BOLTS	
9	8	M12 LOCK WASHERS	
10	12	M12 FLAT WASHERS	
11	6	M12 HEX NUTS	
12	1	M5 SCREW	
13	2	M5 FLAT WASHERS	
14	1	M5 NYLOCK NUT	

1. Remove all contents from box, verify all parts listed are present and free from damage. Carefully read and understand all instructions before attempting installation.
2. Start installation under the driver side front of the vehicle, (Figure 1). Insert (1) M12 Nut Plate into the large oval opening in the bottom of the frame channel and slide it forward in the frame with the flat side down against the frame channel and welded nut up, (Figure 2B). Line up the threaded hole in the Nut Plate with the factory hole at the front of the frame, (Figure 2A). Next, insert (1) 12mm Bolt Plate into the large oval opening and center the threaded bolt in the oval hole, (Figure 2C).
3. Select the driver side Frame Mounting Bracket. Hold the Mounting Bracket up in position against the bottom of the frame and over the threaded bolt on the Bolt Plate, (Figure 3A). Secure the Bracket to the Bolt Plate with (1) M12 Flat Washer, (1) M12 Lock Washer and (1) M12 Hex Nut. Leave hardware loose at this time. Slide (1) Spacer Plate between the frame channel and the Bracket, (Figure 3A & 3B). Insert (1) M12 x 35mm Hex Bolt with (1) M12 Lock Washer and (1) 12mm Flat Washer through the hole in the Bracket, Spacer Plate and into the Nut Plate, (Figure 4). Snug but do not tighten hardware at this time.
4. Move to the passenger side of the vehicle. Determine if the vehicle is equipped with the factory installed fresh air inlet in the plastic bumper cover. **Vehicles without air inlet:** Repeat Steps 2 & 3 for passenger side Frame Mounting Bracket installation, (Figures 5A, 5B & 5C). **Vehicles equipped with air inlet,** (Figure 6): Repeat Step 2 to install the M12 Bolt Plate and M12 Nut Plate. Hold the Frame Bracket in the approximate position over the Bolt and Nut Plates. Mark the outline of the Bracket onto the mounting tab on the plastic air inlet, (scoop), (Figure 7). Remove the inlet and place it on a clean, stable work surface. Use a hacksaw to cut the required material from the mounting area on the inlet. Check the fit often and trim material away as necessary. Do not cut off the mounting tab. Carefully pry off the metal clip and move it as indicated in Figure 7 or drill a 1/4" hole through the top and bottom of the scoop and replace the clip with the included (1) M5 Screw, (2) M5 Flat Washers and (1) M5 Nylon Lock Nuts. Do not over-tighten 5mm hardware. **IMPORTANT!** Any cutting tool may break or shatter. Government regulations require safety glasses & equipment at all times when cutting. Install the Frame Bracket as described in Step 3. **NOTE:** Complete the Bull Bar installation before reinstalling the plastic air inlet scoop.
5. **NOTE:** Before proceeding, it may be considerably easier to remove the plastic bumper cover to cut the slots for the Bull Bar. However, on some models, the bumper cover may be held in place on the ends with factory rivets making removal and reinstallation extremely difficult and best done by a professional, (Figure 6). Determine if the bumper is held in place with rivets,



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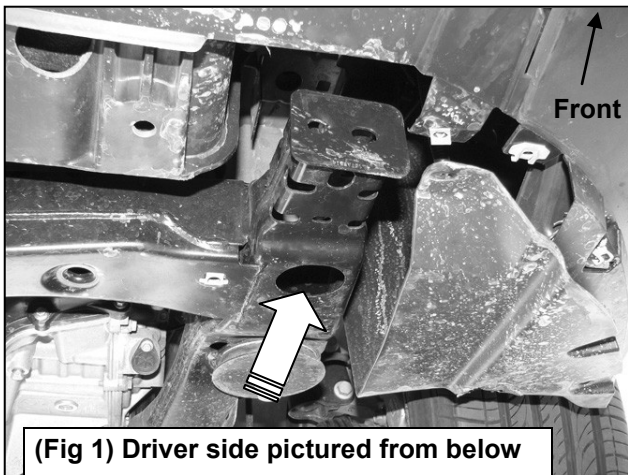
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(visible from the outside-below the fog lights), before attempting to remove the bumper cover. Measure the width across the Bull Bar, (mounting tab to mounting tab appx. 36-1/4" to 36-1/2"). Use a tape measure to locate the middle of the plastic bumper cover, (Figure 8). Mark the mid point on the back of the bumper. NOTE: You can also locate the mold mark on the back of the bumper to determine the mid point. Place a layer of masking tape on the back of the bumper cover in front of the Frame Mounting Brackets. On the driver side, draw a vertical line on the tape 18" out from the middle of the bumper. Draw a second vertical line 19" out from the middle, (Figure 8). Repeat this Step on the passenger side of the bumper cover.

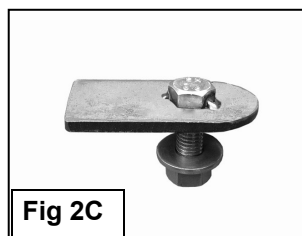
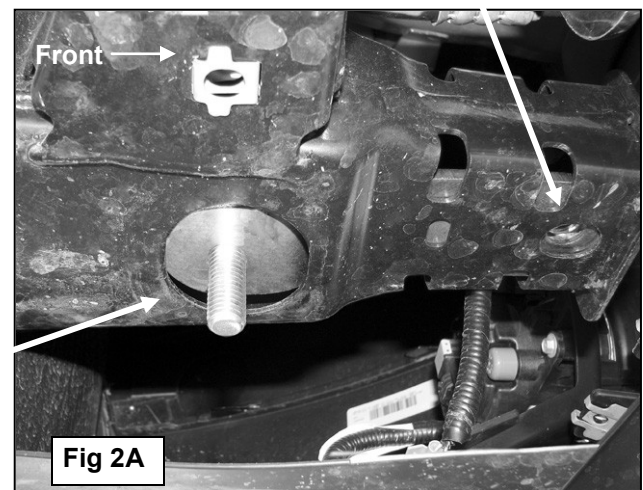
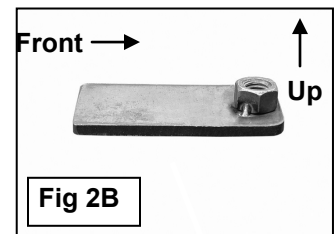
6. Use the location of the previously installed Frame Mounting Bracket to determine where to draw the top and bottom horizontal lines, (Figure 9). Carefully cut this area out of the bumper cover with a sharp knife or hacksaw, (Figure 10). IMPORTANT: Do not cut through the top or bottom edge of the bumper cover. Only remove enough material to clear the mounting tabs on the Bull Bar.
7. Reinstall the bumper cover if removed as described in Step 4.
8. With assistance, position the Bull Bar onto the inside of the Mounting Brackets. Attach the Bull Bar to the Mounting Brackets with (4) M12 x 35mm Hex Bolts, (8) M12 Flat Washers, (4) M12 Lock Washers and (4) M12 Hex Nuts, (Figure 11). Do not tighten at this time.
9. Level and adjust the Bull Bar and tighten all of the hardware. Torque all M12 fasteners to 50-55 ft lbs, all M5 hardware to 10-15 ft lbs
10. Reinstall the air inlet, (scoop), removed in Step 4. Trim scoop to clear Brackets as necessary.

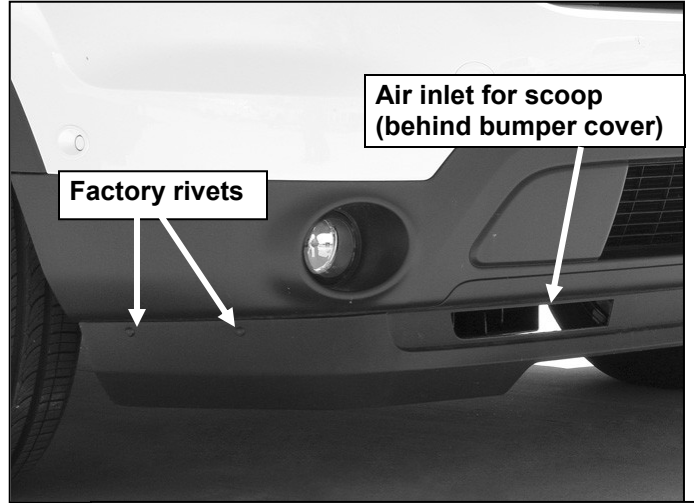
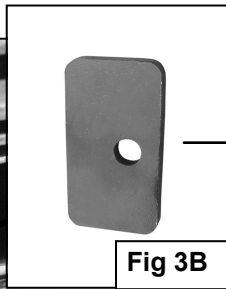
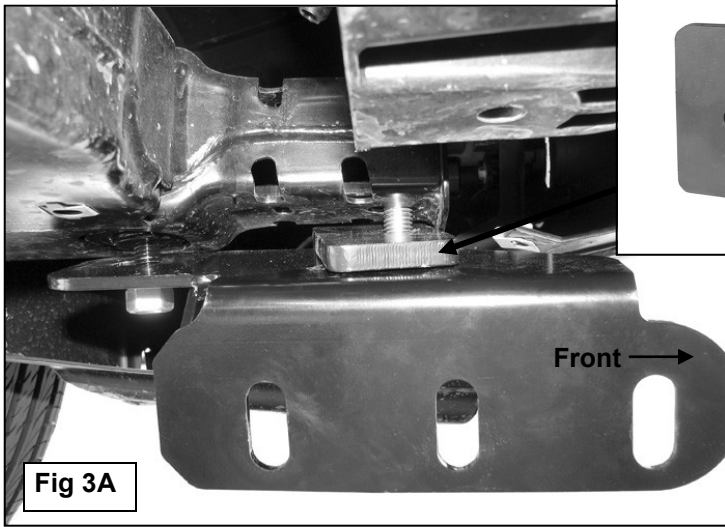
CARE INSTRUCTIONS

- REGULAR WAXING IS RECOMMENDED. DO NOT USE ANY TYPE OF POLISH OR WAX THAT MAY CONTAIN ABRASIVES
- STAINLESS STEEL PRODUCTS CAN BE CLEANED WITH MILD SOAP AND WATER. STAINLESS STEEL POLISH SHOULD BE USED TO POLISH SMALL SCRATCHES.
- GLOSS BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER



Insert Nut Plate into opening and line up with forward hole in frame

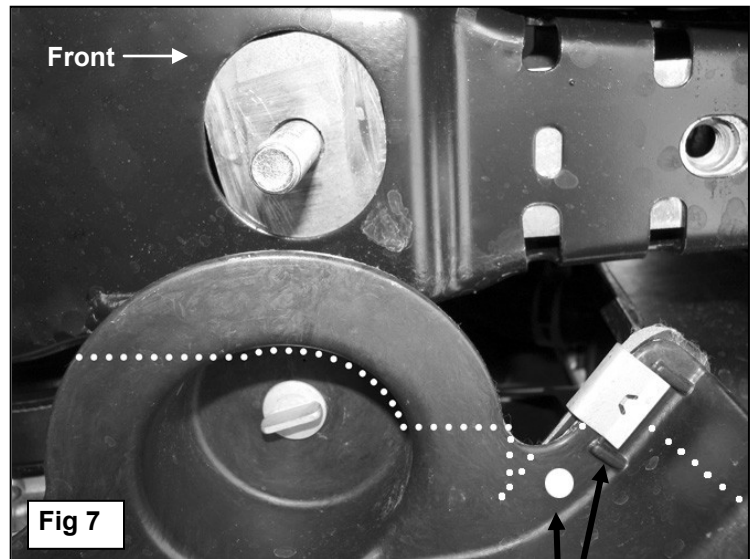
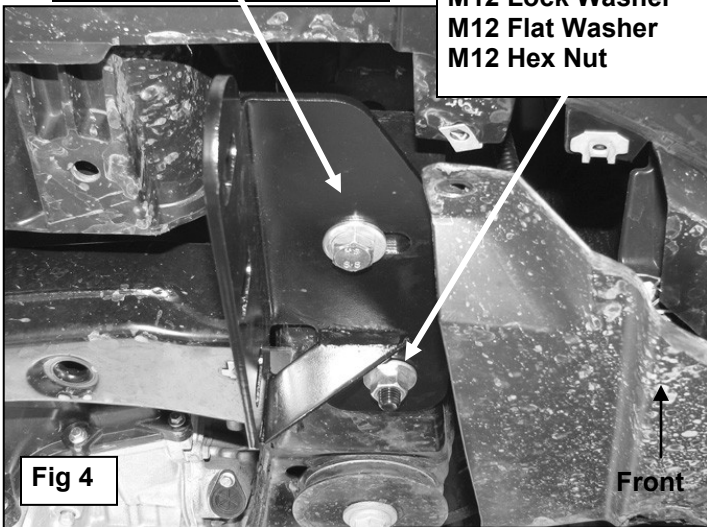




(Fig 6) Passenger side pictured with air intake

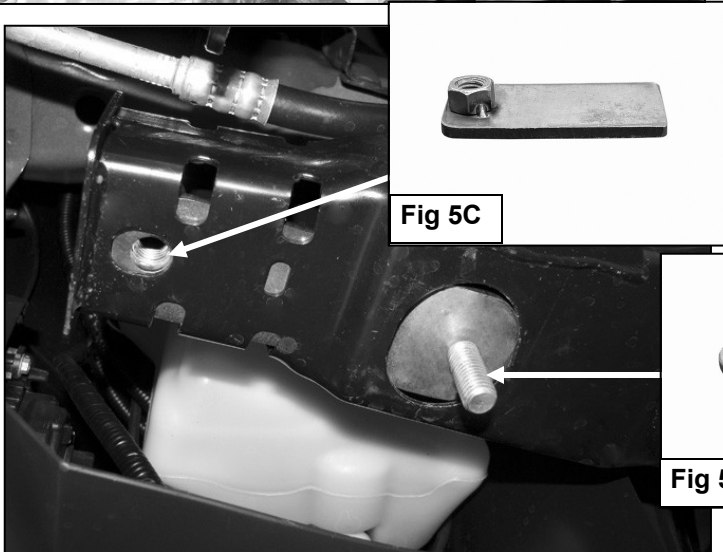
- M12 x 50mm Hex Bolt
- M12 Lock Washer
- M12 Flat Washer
- Spacer Plate

- M12 Lock Washer
- M12 Flat Washer
- M12 Hex Nut



Move metal clip to here (See Dot) after cutting OR drill a 1/4" hole and replace the clip with the included:

- (1) M5 Screw
- (2) M5 Flat Washers
- (1) M5 Nylon Lock Nut



(Fig 5A) Passenger side installation pictured



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Middle of bumper/spoiler insert location
pictured from back of bumper

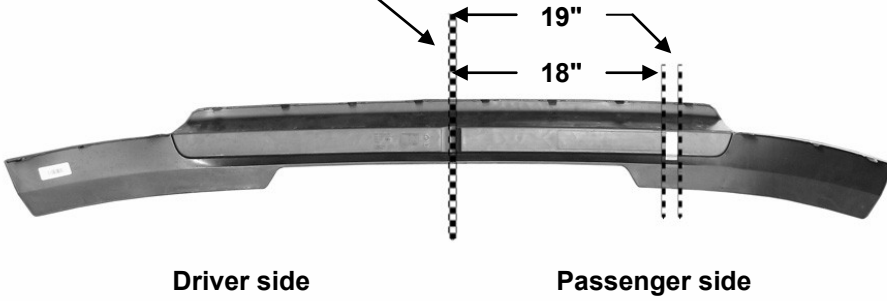


Fig 8

- (2) M12 x 35mm Hex Bolts
- (4) M12 Flat Washers
- (2) M12 Lock Washers
- (2) M12 Hex Nuts

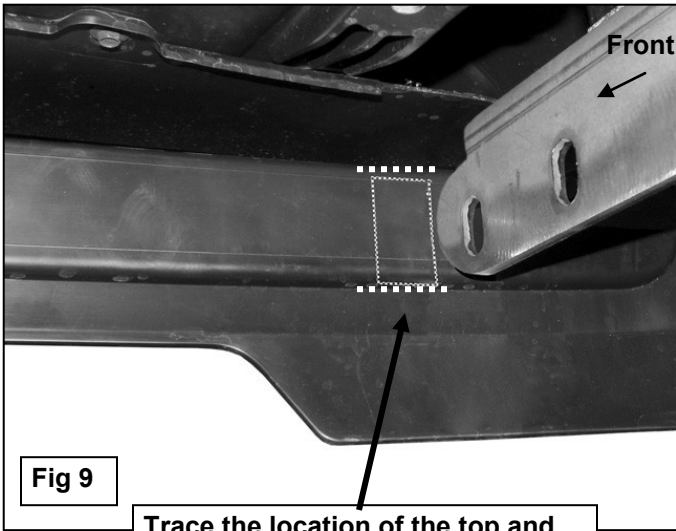


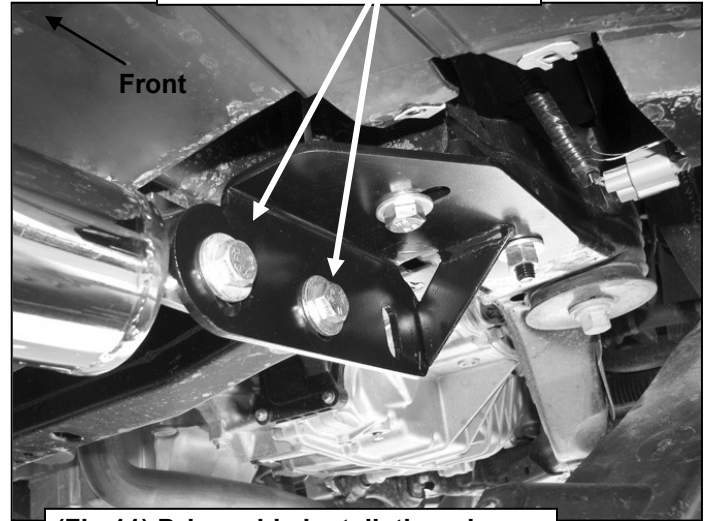
Fig 9

Trace the location of the top and bottom of the Frame Bracket onto back of spoiler and cut out to clear mounting tabs on Bull Bar

Cut as little as possible to clear mounting tabs on Bull Bar



Fig 10



(Fig 11) Driver side installation pictured with lower bumper removed



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