



INSTALLATION INSTRUCTIONS

GRILL/ BRUSH GAURD PART #3046/ 3046-2
1999-2002 FORD EXPEDITION 2WD
1999-2003 FORD F-150 P/U & FLARESIDE 2WD

PARTS LIST

- | | |
|-----------------------------------|-----------------------------------|
| (1) FRONT BAR | (8) 1/2" FLAT WASHERS |
| (2) FRAME MOUNT BRACKETS | (4) 1/2" HEX NUTS |
| (2) SMALL BRACE BRACKETS | (2) 3/8" x 1" HEX HEAD BOLTS |
| (2) LARGE BRACE BRACKETS | (2) 3/8" FLAT WASHERS |
| (6) 7/16" x 1 1/4" HEX HEAD BOLTS | (2) 3/8" HEX NUTS |
| (12) 7/16" FLAT WASHERS | (2) 1/4" x 3/4" BUTTON HEAD BOLTS |
| (6) 7/16" HEX LOCK NUTS | (2) 1/4" HEX NUTS |
| (4) 1/2" x 1 1/4" HEX HEAD BOLTS | |

PROCEDURE

1. Attach passenger-side Frame Mount Bracket to passenger-side frame rail as shown in Figure 1.2, and secure with (2) 1/2" x 1 1/4" hex bolts, (4) 1/2" flat washers, and (2) 1/2" hex lock nuts. Repeat for driver-side Frame Mount Bracket.
2. Line up the 3 holes on the lower portion of the Front Bar with the 3 holes on the outside of each of the Frame Mount Brackets and attach using (3) 7/16" x 1 1/4" hex bolts, (6) 7/16" flat washers, and (3) 7/16" hex lock nuts for each side. Hand tighten.
3. Assemble the Large and Small Brace Brackets together as shown in Figure 1.3, using (1) 3/8" x 1" bolt, (1) 3/8" flat washer and (1) 3/8" nut, for each set. Hand tighten.
4. Locate and remove (2) factory bolts on the top back of bumper between bottom of grill and top of bumper. On Passenger side, attach Brace Bracket to vehicle frame (see Figure 1.3) re-using factory bolt. Using (1) 1/4" x 3/4" button head bolt and (1) 1/4" nut, attach Brace Bracket to backside of center plate on the Front Bar and hand tighten.
5. Repeat for driver-side Brace Bracket.
6. Align the left and right side of the Front Bar to the vehicle bumper, and when satisfied that the Bar is centered, tighten the (6) bolts supporting the Front Bar. The (4) Brace Bracket bolts may now be tightened, to complete installation.

FINISH PROTECTION- ARIES PRODUCTS HAVE A HIGH FINISH THAT MUST BE MAINTAINED SUCH AS ANY OTHER HIGH FINISH PRODUCT ON THE VEHICLE. PROTECT THE FINISH WITH A NON-ABRASIVE AUTOMOTIVE WAX. THE USE OF SOAP, POLISH, OR WAX THAT CONTAINS ABRASIVES IS DETRIMENTAL, AS THE COMPOUNDS SCRATCH THE FINISH AND OPEN IT TO CORROSION.

DISCLAIMER- BUYER ASSUMES ALL RISK AND LIABILITY WHATSOEVER FROM THE INSTALLATION AND USE OF ARIES PRODUCTS. ARIES PRODUCTS ARE SOLD AS DECORATIVE ACCESSORIES AND SHOULD NOT BE RELIED UPON AS PROTECTION FOR THE VEHICLE OR OCCUPANTS IN THE EVENT OF A COLLISION OR ROLL OVER. ARIES AUTOMOTIVE ASSUMES NO LIABILITY FOR INJURY, LOSS, INCIDENTAL OR CONSEQUENTIAL DAMAGES IN THE EVENT OF A COLLISION OR ROLLOVER.

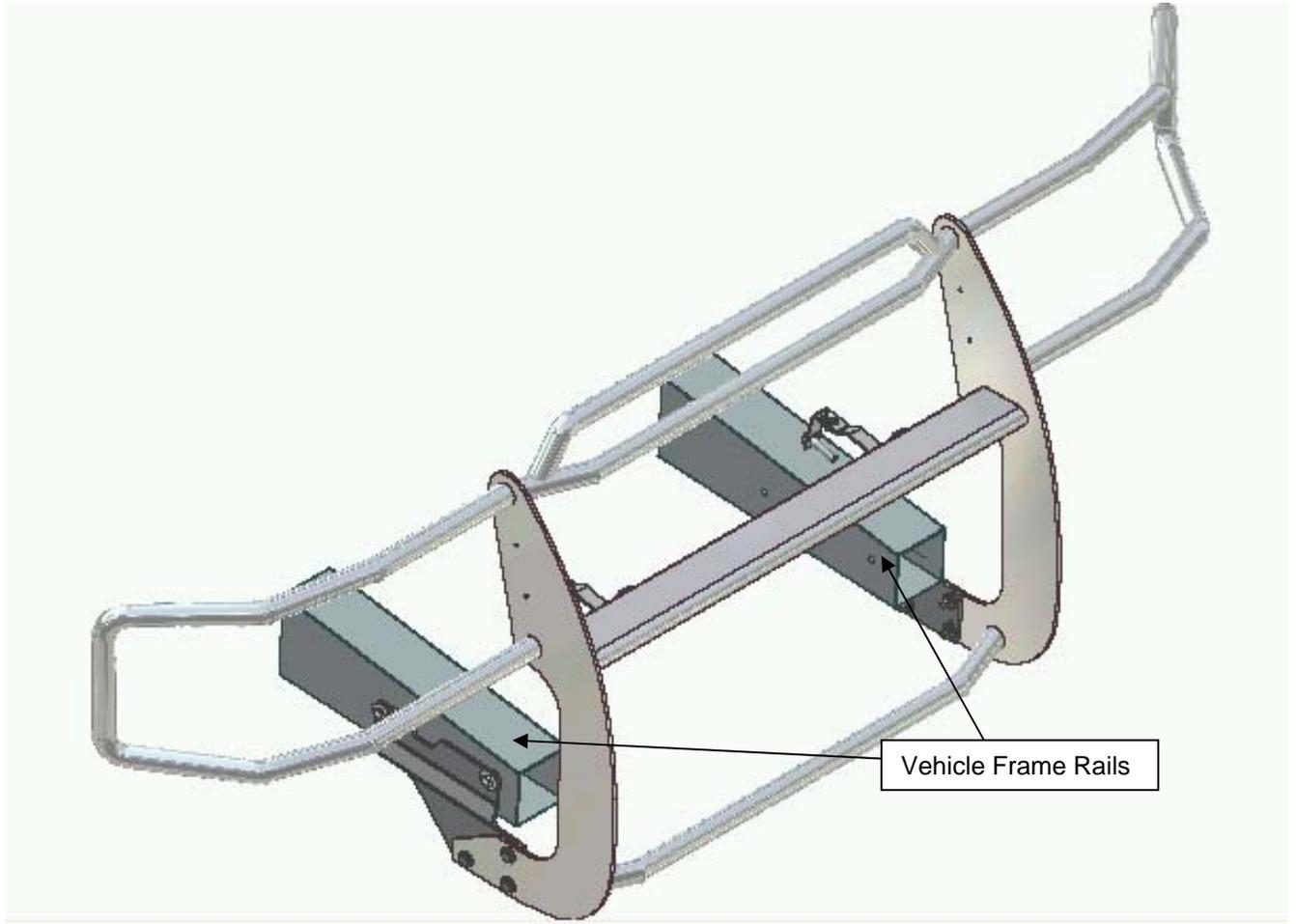


Figure 1.1 – Fully Assembled View

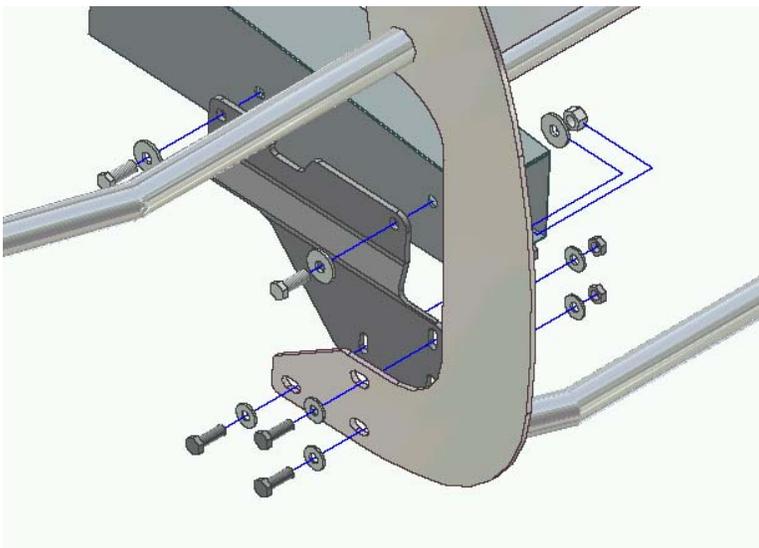


Figure 1.2 – Passenger-Side Mount Bracket

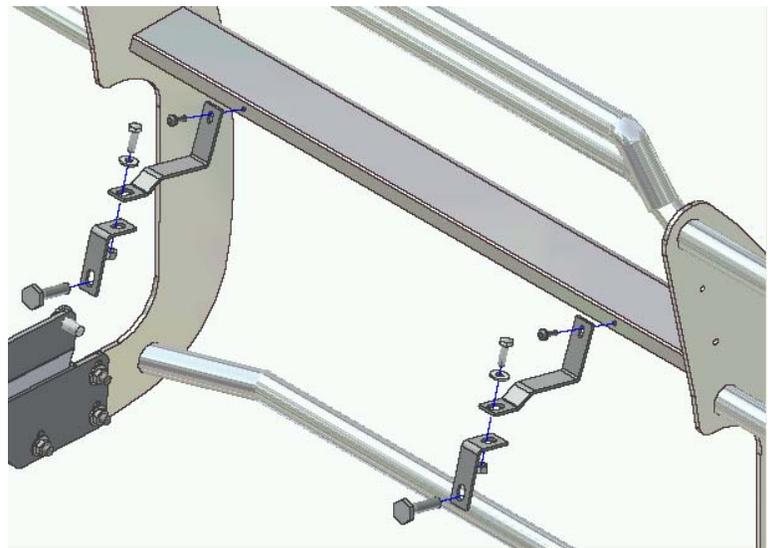


Figure 1.3 – Brace Brackets