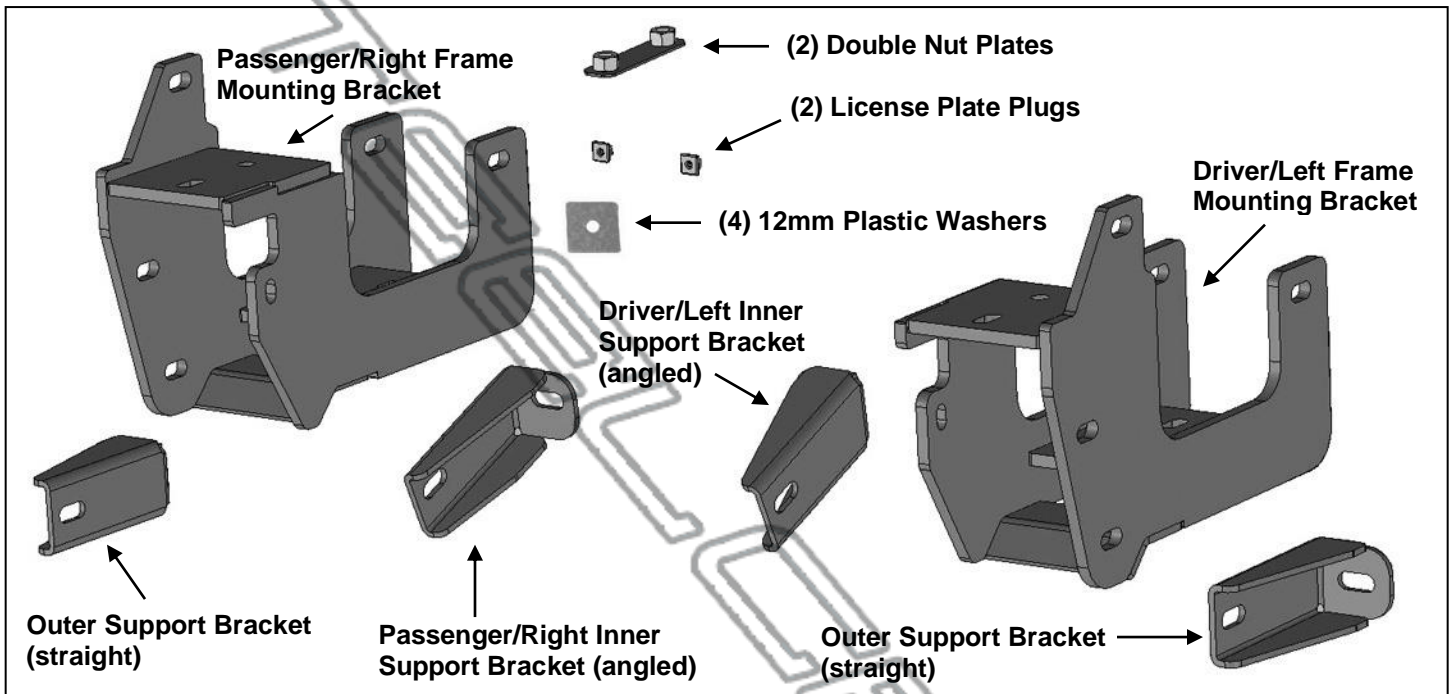


**PARTS LIST:**

1	Front Bumper Assembly	2	12-1.75mm x 160mm Hex Bolts
1	Driver/Left Frame Mounting Bracket	20	12-1.75mm x 45mm Hex Bolts
1	Passenger/Right Frame Mounting Bracket	40	12mm x 37mm x 3mm Flat Washers
1	Driver/Left Inner Support Bracket (angled)	18	12-1.75mm Nylon Lock Nuts
1	Passenger/Right Inner Support Bracket (angled)	4	12mm Lock Washers
2	Outer Support Brackets (straight)	6	6mm x 25mm Hex Bolts
2	Plastic Plugs for license plate mount	12	6mm x 18mm x 1.6 Flat Washers
4	12mm Plastic Washers	6	6mm Nylon Lock Nuts
2	12mm Double Nut Plates		



**RECOMMENDED TO REPLACE THE 12MM HEX BOLTS ON AN ANNUAL BASIS**

**PROCEDURE:**

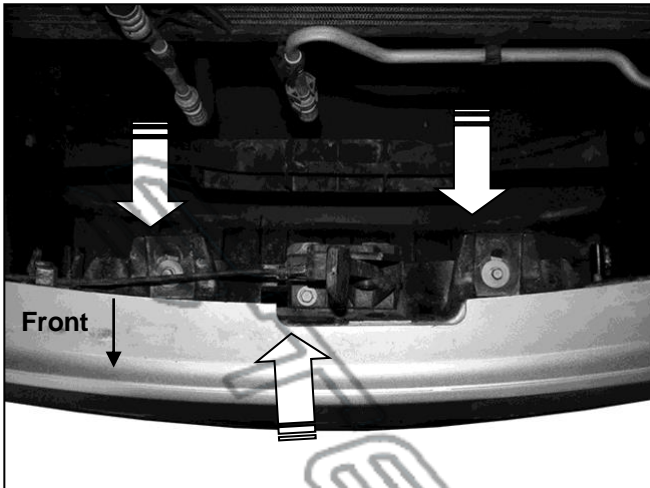
**REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. BUMPER IS HEAVY, ASSISTANCE IS HIGHLY RECOMMENDED TO AVOID POSSIBLE INJURY OR DAMAGE TO THE VEHICLE.**

1. Remove the license plate and bracket. Open the hood and remove the hardware attaching the hood release lever to the steel bracket attached to the back of the bumper, **(Figure 1)**. Also remove the screws attaching the back of the plastic fascia to the hood release bracket. On models with factory fog lights, unplug both lights and release the wiring harness from the clips attached to the back of the bumper. Move harness away from bumper.
2. Place blocks or jack stands under the front bumper to support it during mounting bolt removal. Once the bumper has been safely supported, remove the (2) large hex nuts from the back of each bumper bracket, **(Figure 2)**. **WARNING!** Assistance is required to hold the bumper in place during bolt removal to prevent the bumper from falling. Carefully slide the bumper off over the tow hooks. Next, remove the air dam from the bottom of the frame, **(Figure 3)**.
3. Remove the driver/left side tow hook, (if equipped), from the bottom of the frame. Leave the factory double nut plate inside the frame, **(Figure 4)**. On models without tow hook, insert (1) Double Nut Plate into the open end of the frame, **(Figure 4)**.

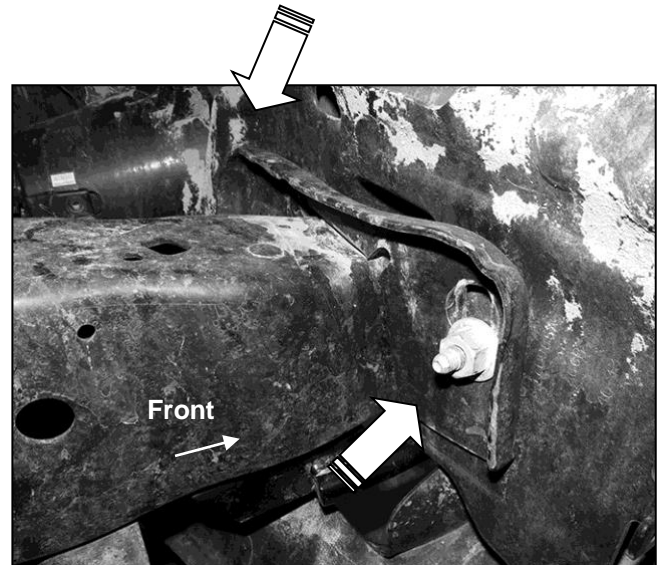
4. Next, select the driver/left side Frame Mounting Bracket, **(Figure 5)**. Attach the Bracket to the bottom of the frame and Double Nut Plate with (2) 12mm x 45mm Hex Bolts, (2) 12mm Lock Washers and (2) 12mm Flat Washers, **(Figures 5 & 6)**. Leave hardware loose at this time.
5. Insert (1) 12mm x 160mm Long Hex Bolt with (1) 12mm Flat Washer through the outside of the mounting tab on the Frame Bracket, through the frame and inner tab, **(Figure 7)**. Secure with (1) 12mm Flat Washer and (1) 12mm Nylon Lock Nut, **(Figures 7 & 8)**. Do not fully tighten hardware.
6. Select the angled driver/left side Inner Support Bracket, **(Figure 9)**. Line up the bent end of the Support Bracket with the slot in the bumper mounting flange on the frame. Attach the Support Bracket to the mounting flange with (1) 12mm x 45mm Hex Bolt, (2) 12mm Flat Washers and (1) 12mm Nylon Lock Nut, **(Figure 10)**. Line up the forward end of the Support Bracket with the hole in the side of the Frame Bracket. Attach the Support Bracket to the Frame Bracket with (1) 12mm x 45mm Hex Bolt, (2) 12mm Flat Washers and (1) 12mm Nylon Lock Nut, **(Figures 10 & 11)**. Leave hardware loose at this time.
7. On models with tow hooks, reuse the factory hardware and Double Nut Plate to attach the driver/left side tow hook to the inside of the Frame Bracket, **(Figure 10)**. Fully tighten the tow hook hardware only.
8. Repeat **Steps 3—7** to install the passenger/right side Frame Bracket and Inner Support Bracket.
9. Remove the steel bracket attached to the back of the original bumper for the hood release, **(Figure 12)**. Reuse the factory hardware to attach the bracket to the mounting tabs on the back of the plastic fascia. Reattach the hood release lever to the steel bracket, **(Figure 13)**. Tighten latch hardware.
10. With assistance, position the Bumper Assembly up to and over the Frame Brackets. Temporarily support the weight of the Bumper. **WARNING:** To avoid possible injury or damage to the vehicle, do not proceed until the bumper is fully and safely supported.
11. Line up the **top and bottom holes** in the driver/left Frame Bracket with the holes in the inner mounting plate on the back of the Bumper. Attach the Bumper to the Bracket with the included (2) 12mm x 45mm Hex Bolts, (4) 12mm Flat Washers, (2) 12mm Plastic Washers and (2) 12mm Nylon Lock Nuts, **(Figure 13)**. **IMPORTANT:** Place the Plastic Washers between the outer 12mm Flat Washers and the mounting plate on the Bumper to minimize corrosion. Snug but do not tighten hardware at this time. Repeat this **Step** to attach the passenger/right side of the Bumper to the Frame Bracket.
12. Select (1) Straight Outer Support Bracket, **(Figure 9)**. Line up the Support Bracket with the slot in the bumper mounting flange on the driver/left side of the frame. Attach the Support Bracket to the mounting flange with (1) 12mm x 45mm Hex Bolt, (2) 12mm Flat Washers and (1) 12mm Nylon Lock Nut, **(Figure 15)**. Line up the forward end of the Support Bracket with the hole in the side of the mounting plate on the Bumper and the Frame Bracket. Attach the Support Bracket to the Frame Bracket with (1) 12mm x 45mm Hex Bolt, (2) 12mm Flat Washers and (1) 12mm Nylon Lock Nut, **(Figures 15 & 16)**. Do not fully tighten hardware at this time. Repeat this **Step** to attach the passenger/right outer Support Bracket.
13. Level and adjust the bumper and fully tighten all 12mm hardware to 65-70ft-lbs.
14. **Models with fog lights:**
  - a. Remove both fog light assemblies from the back of the original bumper, **(Figure 17)**.
  - b. Attach the driver/left fog light assembly to the tabs on the bumper with the included (3) 6mm x 25mm Hex Bolts, (6) 6mm Flat Washers and (3) 6mm Nylon Lock Nuts, **(Figure 18)**. Mounting tabs may move during shipping. Use hand tools to carefully adjust mounting tabs to line up flat with plastic fog light housing. **IMPORTANT:** Do not overtighten 6mm hardware attaching fog light to Bumper or plastic housing may be damaged.
  - c. Repeat to install the passenger/right side fog light assembly.
  - d. Reattach the factory wiring harness to both lights.
15. Use the included (2) push-in plastic nuts to attach the front license plate, (if required), to the (2) holes in the front bumper, **(Figure 19)**.
16. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**To protect your investment,** 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 Front Bumper assembly.

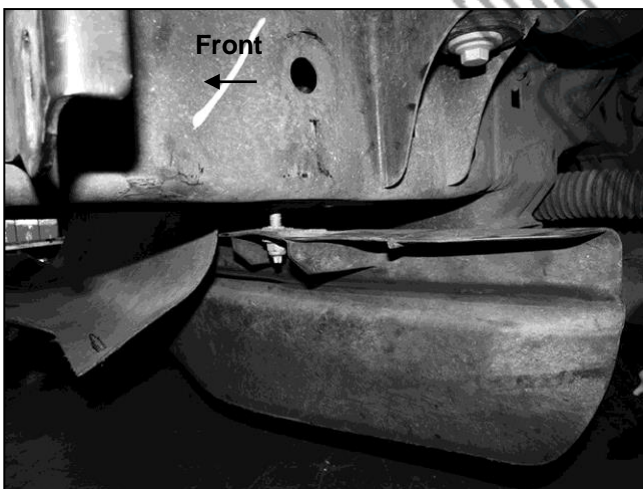
Driver Side Installation Pictured



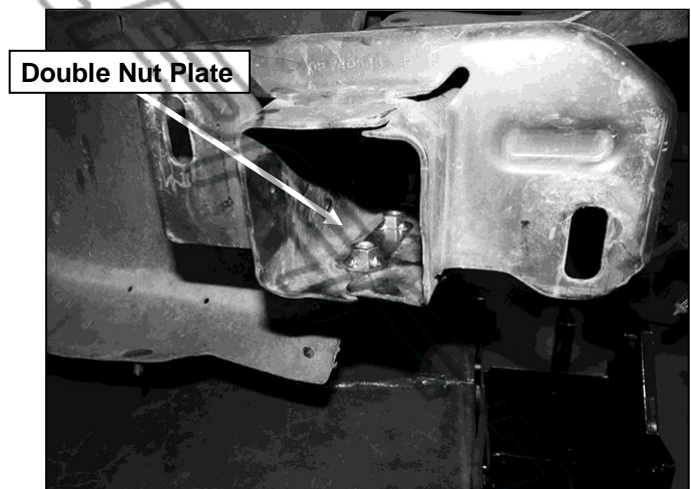
(Fig 1) Remove screws attaching hood latch to bracket and bracket to bumper (arrows)



(Fig 2) Remove factory hex nuts (arrows) from back of bumper bracket



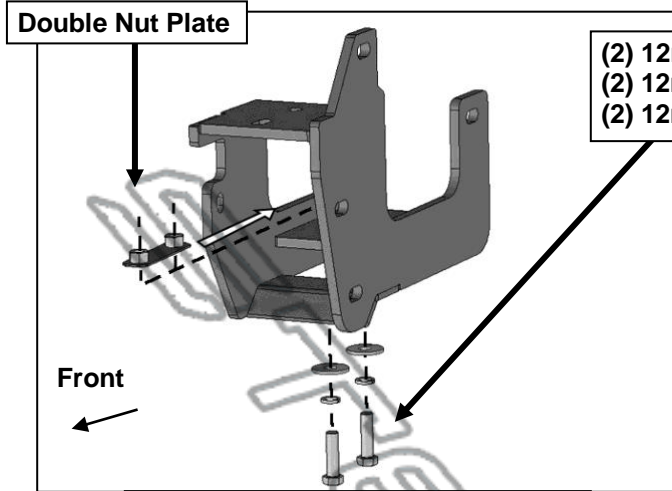
(Fig 3) Remove air dam from bottom of frame



(Fig 4) Models without tow hook, slide Double Nut Plate into open end of frame. Models with tow hook, remove tow hook from bottom of frame and leave factory nut plate in place in frame

**WARNING!** Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or the bumper may fall.

Driver Side Installation Pictured



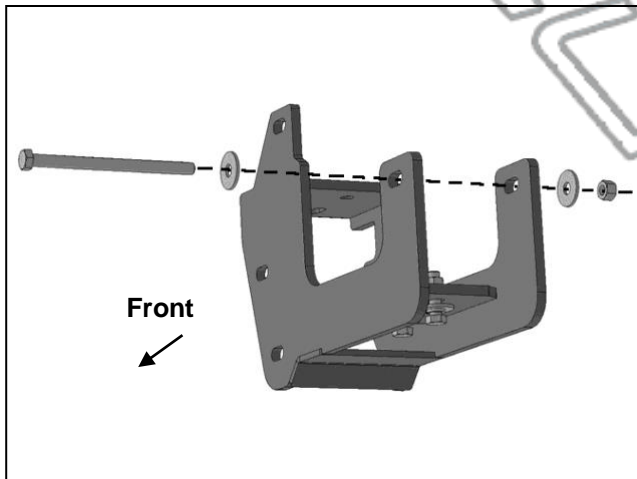
(2) 12mm x 45mm Hex Bolts  
(2) 12mm Lock Washers  
(2) 12mm Flat Washers

(2) 12mm x 45mm Hex Bolts  
(2) 12mm Lock Washers  
(2) 12mm Flat Washers

(Fig 5) Attach Driver/left Frame Bracket to Double Nut Plate (Fig 6)

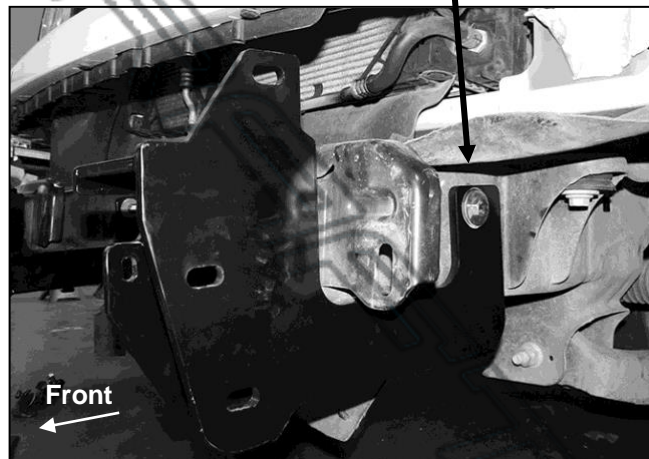


(Fig 6) Driver/left Frame Bracket pictured from below



12mm x 160mm Long Hex Bolt  
(2) 12mm Flat Washers  
12mm Nylon Lock Nut

(Fig 7) Attach rear tabs on driver/left Frame Bracket to frame

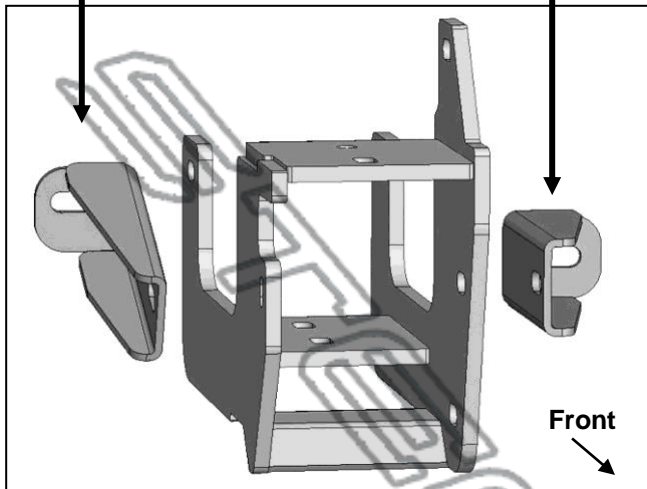


(Fig 8) Insert long bolt through Bracket and frame

### Driver Side Installation Pictured

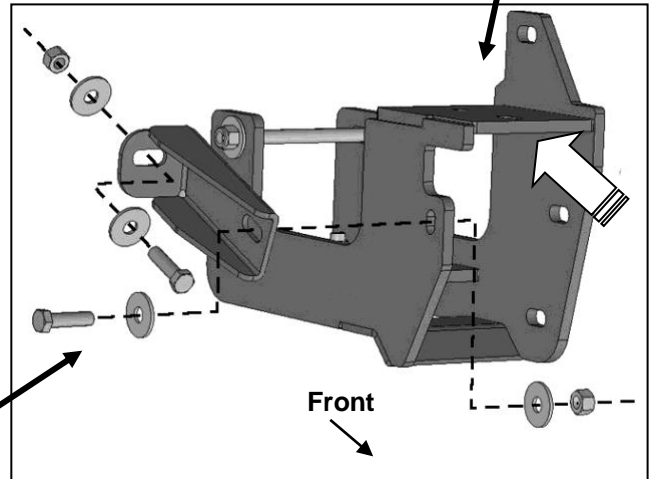
Angled driver/left  
Inner Support Bracket

Straight outer  
Support Bracket



(Fig 9) Select the driver/left Inner Support Bracket, Frame Bracket and straight outer Support Bracket layout illustrated

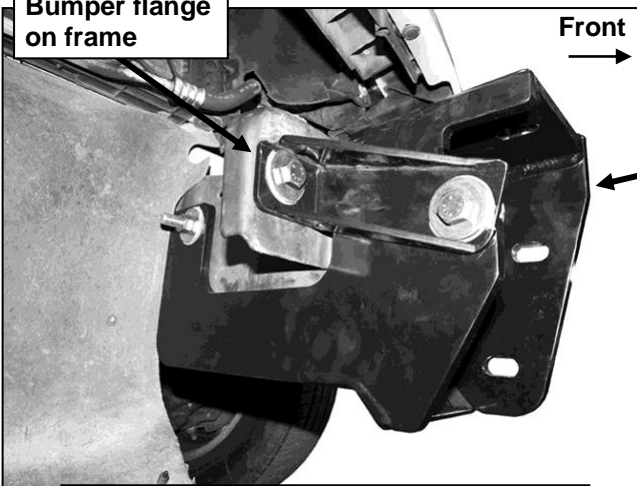
Reuse factory hardware to  
attach tow hook (if equipped)  
to mounting plate inside Frame  
Bracket (arrow) or use included  
12mm x 45mm Hex Bolts and  
hardware



- (2) 12mm x 45mm Hex Bolts
- (4) 12mm Flat Washers
- (2) 12mm Lock Washers
- (2) 12mm Hex Nuts

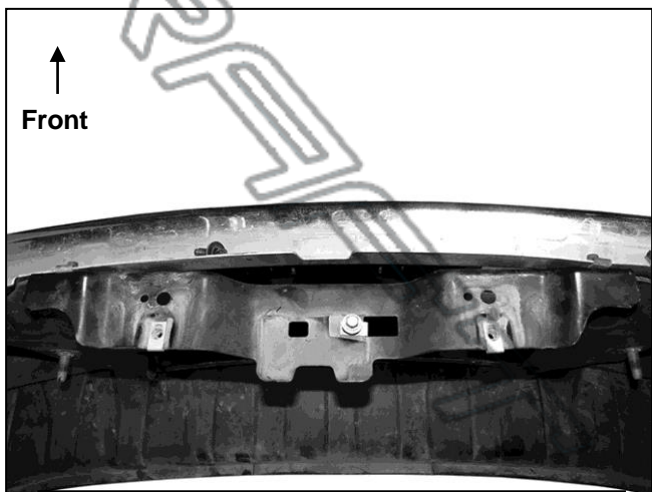
(Fig 10) Attach angled driver/left Inner Support Bracket to bumper flange on frame and inner side of Frame Bracket

Bumper flange  
on frame



(Fig 11) Driver/left Frame Bracket and angled Inner Support Bracket installed

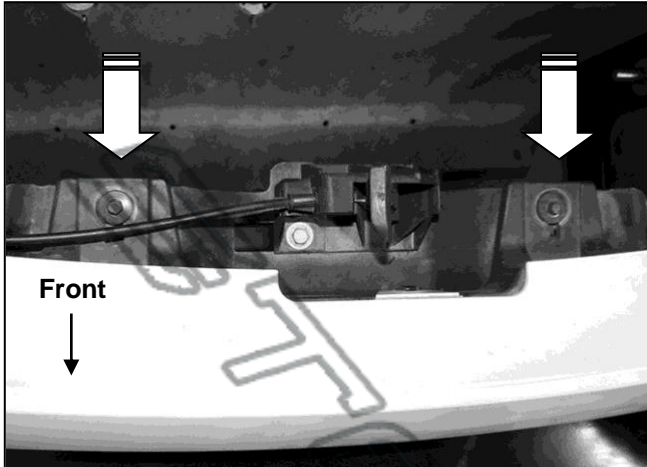
- (2) 12mm x 45mm Hex Bolts
- (4) 12mm Flat Washers
- (2) 12mm Lock Washers
- (2) 12mm Hex Nuts



(Fig 12) Remove latch bracket from bumper

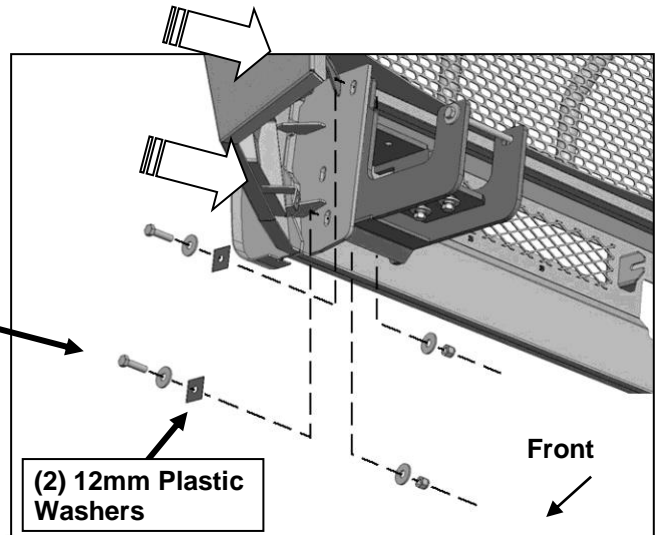
**WARNING!** Do not crawl under bumper unless the bumper is properly supported on blocks or stands or the bumper may fall.

Driver Side Installation Pictured

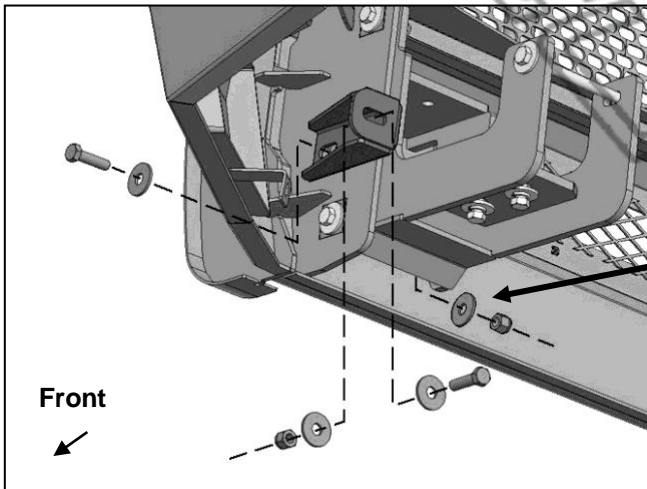


(Fig 13) Attach latch bracket to tabs on plastic fascia

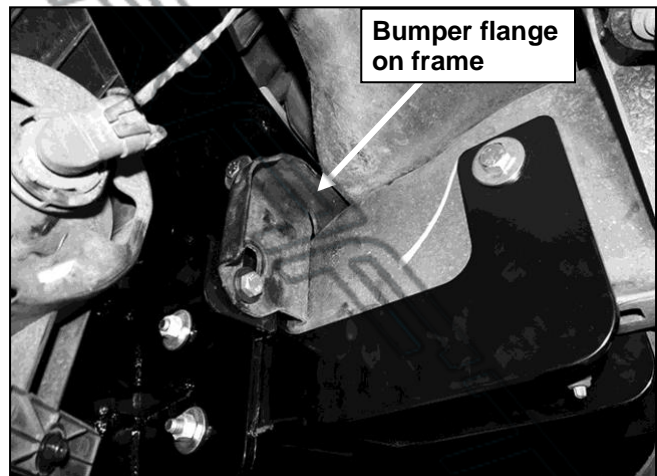
- (2) 12mm x 45mm Hex Bolts
- (4) 12mm Flat Washers
- (2) 12mm Nylon Lock Nuts



(Fig 14) Attach Bumper to outside of Frame Bracket

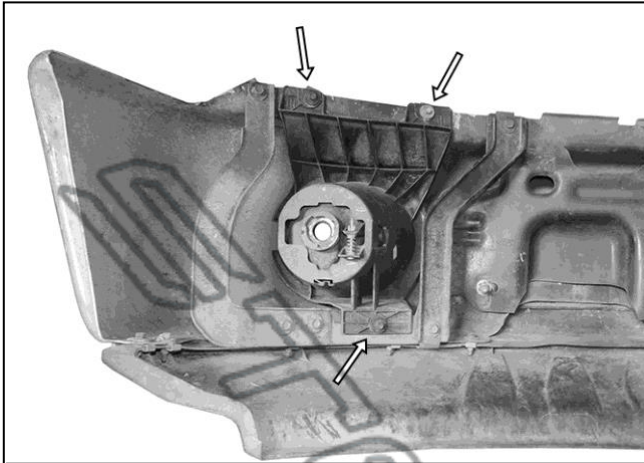


(Fig 15) Attach Outer Support Bracket to flange on frame and center hole in Bumper Bracket

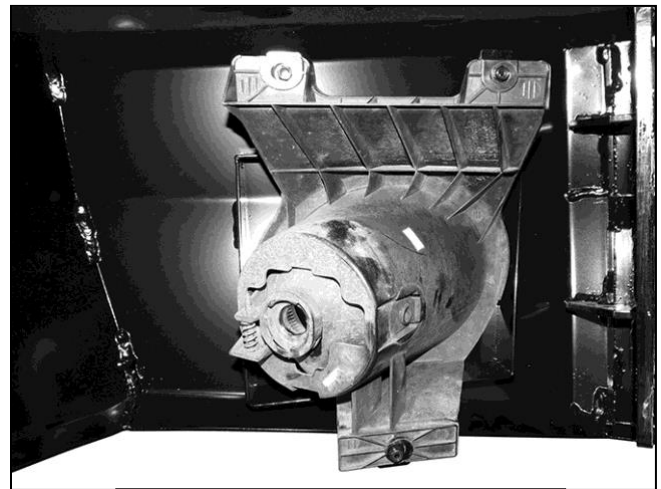


(Fig 16) Attach Outer Support Bracket to flange on frame and center hole in Bumper Bracket

Driver Side Installation Pictured



(Fig 17) Remove fog light assembly if equipped



(Fig 18) Attach fog light assembly to tabs on back of Bumper



(Fig 19) Push plastic plugs into holes in Bumper for license plate if required.  
LED bar light pictured installed behind Bumper on non-ecoboost model. LED light installation not recommended on ecoboost models

Special Note: While Aluminum does not rust, there is potential for galvanic corrosion if the coating is scratched between your bumper and the steel frame brackets + hardware (especially in extreme environments such as the coastlines or where road salt is used during winter). A visual inspection should be performed by the user at least on an annual basis to determine if excessive corrosion is present on or surrounding the hardware.



Complete Installation