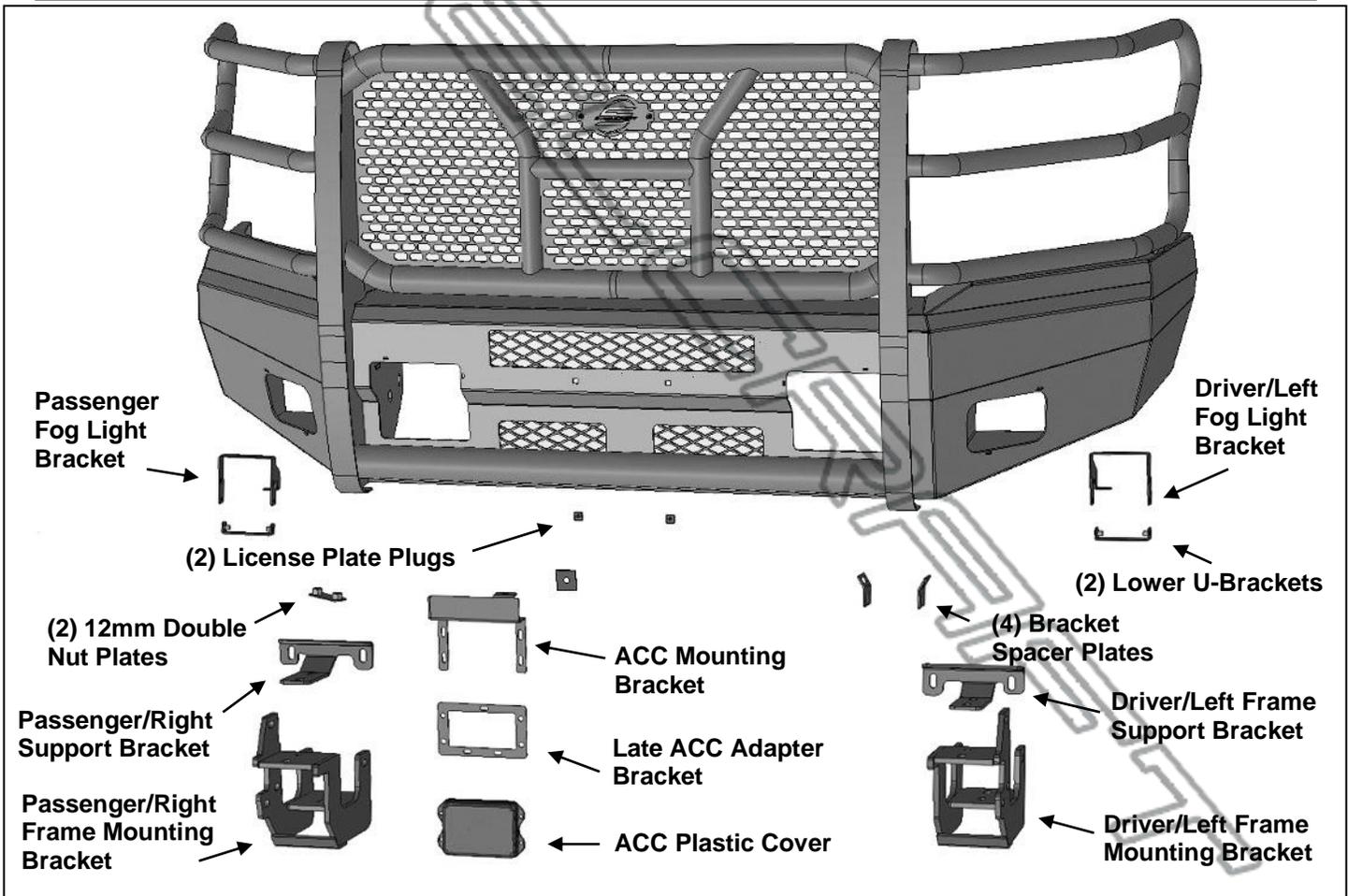


**ALUMINUM ELEVATION FRONT BUMPER
2018-20 FORD F150**

PARTS LIST:

1	Elevation Front Bumper Assembly	14	12-1.75mm x 45mm Hex Bolts
1	Driver/Left Frame Mounting Bracket	28	12mm x 37mm x 3mm Flat Washers
1	Passenger/Right Frame Mounting Bracket	4	12mm Lock Washers
1	Driver/Left Frame Support Bracket	12	12-1.75mm Nylon Lock Nuts
1	Passenger/Right Frame Support Bracket	4	8-1.25mm x 20mm Hex Bolts
4	Bracket Spacer Plates	6	8mm x 24mm x 2mm Flat Washers
1	Driver/Left Fog Light Upper U-Bracket	2	8mm x 16mm x 1.6mm Flat Washers
1	Passenger/Right Fog Light Upper U-Bracket	4	8mm Nylon Lock Nuts
2	Lower U-Brackets (Fog Lights)	6	6mm x 25mm Button Head Bolts
1	Adaptive Cruise Control (ACC) Bracket	4	6mm x 16mm Hex Bolts
1	Late ACC Adapter Bracket	13	6mm x 18mm x 1.6mm Flat Washers
1	ACC Plastic Cover	10	6mm Lock Washers
2	Plastic Plugs for license plate mount	6	6mm Hex Nuts
6	12mm Plastic Retainers	1	4mm Wrench
2	12mm Double Nut Plates	1	2.5mm Wrench
2	12-1.75mm x 170mm Hex Bolts		



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. On models equipped with factory fog lights, unplug wiring harness leading to Bumper. Unplug adaptive cruise control (ACC), if equipped. Release the wiring harness from the clips attached to the back of the bumper. Move wiring harnesses away from bumper.
2. Next, remove both plastic bumper pads, **(Figure 1)**. Pad is held in place with metal clips. Gently pry the corners of the bumper pad and pull the pad straight out to remove.
3. Place blocks or jack stands under the front bumper to support it during mounting bolt removal.
WARNING! Assistance is required to hold the bumper in place during bolt removal to prevent the bumper from falling. Once the bumper has been safely supported, remove the lower large hex nuts from the back of each bumper bracket, **(Figure 2)**. Next, from the front of the bumper, remove the (2) factory hex nuts attaching the bumper to each bumper bracket, **(Figure 3)**. Carefully slide the bumper off over the tow hooks.
4. Remove the tow hooks and plastic covers, (if equipped), from the bottom of the frame, **(Figures 4 & 5)**.
5. Next, select the driver/left Frame Mounting Bracket, **(Figure 6)**. Slide the Bracket over the end of the frame. Attach the Bracket to the frame with (1) 12mm x 170mm Long Hex Bolt, (2) 12mm Flat Washers and (1) 12mm Nylon Lock Nut. Insert (1) Spacer Plate down between each mounting tab and the side of the frame, **(Figures 6—8)**. Leave hardware loose at this time.
6. Insert (1) 12mm Double Nut Plate into the open end of the frame, **(Figures 5 & 6)**. Attach the Frame Bracket to the bottom of the frame and the Double Nut Plate with (2) 12mm x 45mm Hex Bolts, (2) 12mm Lock Washers and (2) 12mm Flat Washers, **(Figures 6 & 7)**. **NOTE:** On models with tow hooks, reuse the factory nut plate and hardware to attach the Frame Bracket to the bottom of the frame. Leave hardware loose at this time.
7. Select the driver/left Frame Support Bracket, **(Figure 8)**.
On models without tow hooks,
 - a. Attach the Support Bracket directly to the top of the Frame Bracket with (2) 12mm x 45mm Hex Bolts, (4) 12mm Flat Washers and (2) 12mm Nylon Lock Nuts, **(Figures 8 & 9)**. Do not tighten hardware at this time.
 - b. Reuse the factory hex nuts to attach the Support Bracket to the frame, **(Figure 9)**.**On models with tow hooks,**
 - a. Line up the Support Bracket with the top of the Frame Bracket, **(Figure 9)**.
 - b. Slide the tow hook into the Frame Bracket and up to the top. Attach the tow hook to the Frame Bracket and Support Bracket with (2) 12mm x 45mm Hex Bolts, (4) 12mm Flat Washers and (2) 12mm Nylon Lock Nuts, **(Figures 8—10)**. **IMPORTANT:** On models with Adaptive Cruise Control, **only the passenger/right tow hook can be installed.**
 - c. Reuse the factory hex nuts to attach the Support Bracket to the frame, **(Figure 10)**.
8. Repeat **Step 7** to attach the passenger/right Frame Bracket, Support Bracket and tow hook if equipped.
9. Disassemble bumper to remove fog light assemblies, **(Figure 11)**, and adaptive cruise control, if equipped. Remove wire harness from bumper.
10. **Models with factory fog lights:**
 - a. Use a flat blade screwdriver to carefully pop out the tabs on the side of the fog light bracket attaching the light to the bracket, **(Figure 12)**. Pop the light out of the plastic bracket housing.
 - b. Remove the adjustment screw and spring from the light assembly.
 - c. Select the driver/left Upper Light Bracket, **(Figure 13)**. Attach the Bracket to the slot in the light opening on the back of the Bumper with (1) 8mm x 20mm Hex Bolt, (2) 8mm Flat Washers and (1) 8mm Nylon Lock Nut, **(Figure 13)**.
 - d. Carefully spread the sides of the Bracket enough to slide the OE plastic fog light between and into the Bracket, **(Figure 13)**. Attach (1) Lower U-Bracket to the Upper Bracket with (2) 6mm x 16mm Hex Bolts, (2) 6mm Lock Washers and (2) 6mm Flat Washers, **(Figure 14)**.
 - e. Insert the factory spring between the tab on the Bracket and the light. Insert the screw through the tab, spring and into the fog light, **(Figure 14)**.
 - f. Repeat to install the passenger/right fog light.

**ALUMINUM ELEVATION FRONT BUMPER
2018-20 FORD F150**

11. Determine if vehicle is equipped with an adaptive cruise control, (ACC), and note the design of the sensor. **NOTE:** Install the ACC assembly before attaching Bumper to vehicle.
Vehicles without Adaptive Cruise Control, skip to **Step 12**
Vehicles with late style ACC with tabs on top and bottom:
 - a. Select the Mounting Bracket Adapter Plate, (**Figure 15**).
 - b. Attach the ACC sensor to the back of the Adapter with the included (3) 6mm x 25mm Button Head Bolts, (6) 6mm Flat Washers, (3) 6mm Lock Washers and (3) 6mm Hex Nuts (**Figure 15**).
 - c. Proceed to next Step to attach ACC and adapter plate to ACC Mounting Bracket**Vehicles with early style ACC with (3) mounting tabs located on ends:**
 - a. Insert (3) 6mm x 25mm Button Head Bolts through the (3) holes on the ACC Plastic Cover, the ACC Bracket and out through the adaptive cruise control, (or adapter and late style ACC). Secure with (3) 6mm Flat Washers, (3) 6mm Lock Washers and (3) 6mm Hex Nuts, (**Figures 16–18**).
 - b. Attach the ACC Bracket assembly to the mounting tabs on the back of the bumper with (2) 8mm x 20mm Hex Bolts, (2) 8mm x 24mm Flat Washers (**top**), (2) 8mm x 16mm Flat Washers (**bottom**) and (2) 8mm Nylon Lock Nuts, (**Figures 17 & 19**).
12. On models with grille mounted factory camera, remove the center screen, (**Figure 20**).
13. With assistance, position the Bumper Assembly onto the outsides of 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.
14. Attach the Bumper to the driver/left Bracket with the included (3) 12mm x 45mm Hex Bolts, (6) 12mm Flat Washers, (3) 12mm Plastic Washers and (3) 12mm Nylon Lock Nuts, (**Figures 21 & 22**).
IMPORTANT: Place the Plastic Washers between the outer 12mm Flat Washers and the mounting plate on the Bumper to minimize corrosion. Repeat this Step to attach the passenger/right side of the Bumper. Snug but do not tighten hardware.
15. Level and adjust the bumper and fully tighten all hardware. **NOTE:** If additional in-out adjustment is required, loosen Frame Bracket Hardware, slide the Bracket in or out as necessary and fully tighten all hardware.
16. Reattach the wiring harness. Adjust lights as necessary and tighten all fog light bracket hardware.
17. 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 23**).
18. 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.

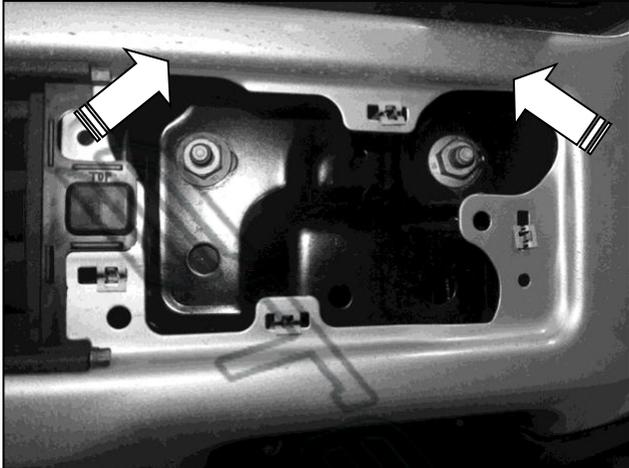


(Fig 1) Remove plastic bumper pad from bumper (Driver/left side Pictured)



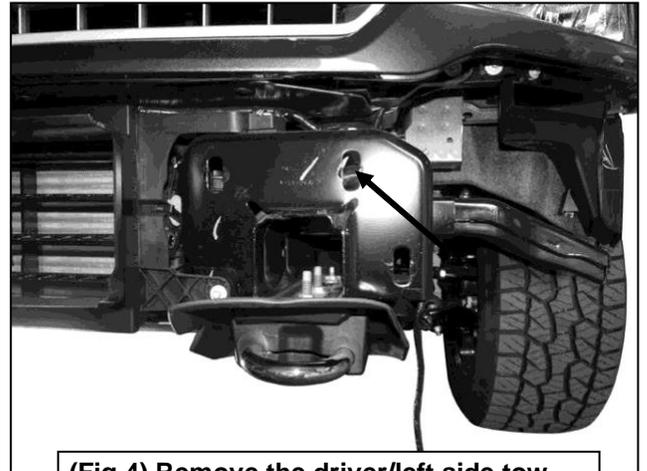
(Fig 2) Remove factory hex nut (arrow) from back of bumper bracket (Driver side pictured)

Driver/left Side Installation Pictured

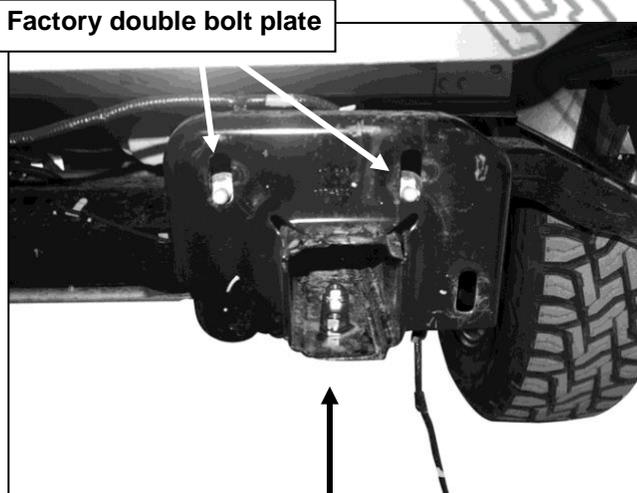


(Fig 3) Remove (2) factory hex nuts from each side

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



(Fig 4) Remove the driver/left side tow hook and plastic cover, (if equipped)

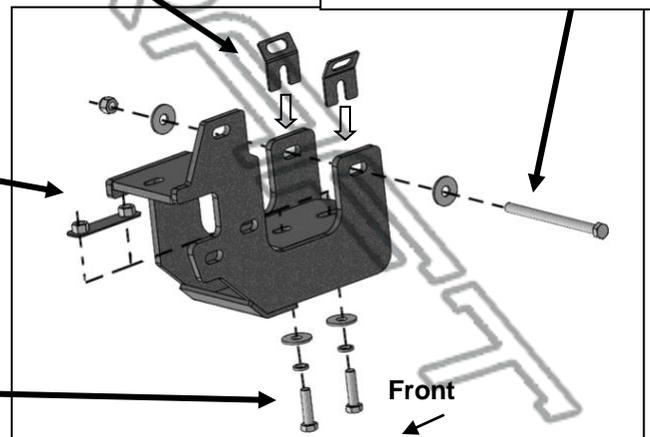


(Fig 5) Insert double nut plate into frame

- (2) Bracket Spacer Plates
- 12mm x 170mm Hex Bolt
- (2) 12mm Flat Washers
- 12mm Nylon Lock Nut

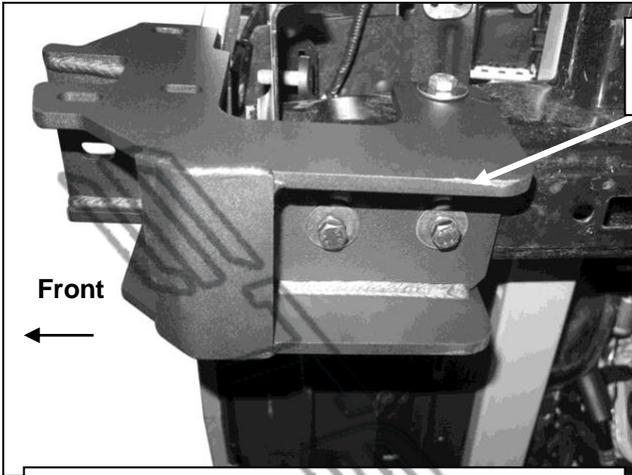
Double Nut Plate

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



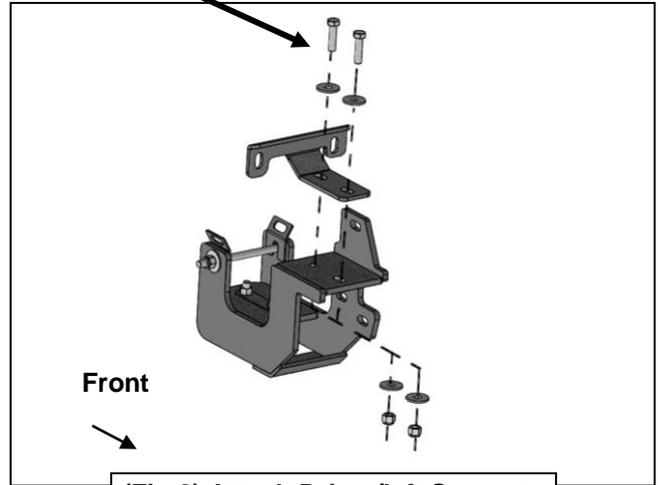
(Fig 6) Driver/left side Frame Bracket attached to the frame illustrated

Driver/left Side Installation Pictured

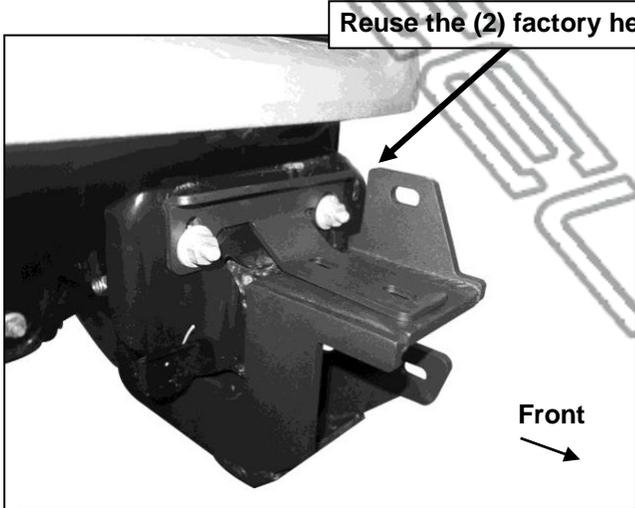


- (2) 12mm x 45mm Hex Bolts
- (2) 12mm Lock Washers
- (2) 12mm Flat Washers

(Fig 7) Driver/left side Frame Bracket installed

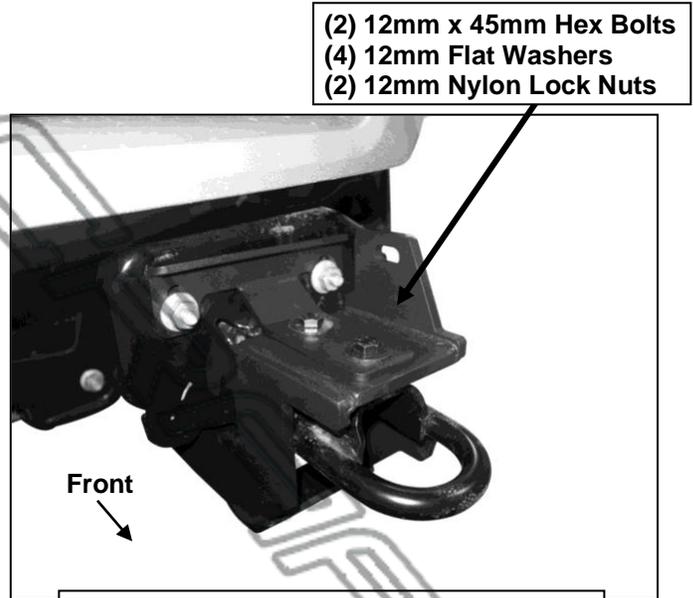


(Fig 8) Attach Driver/left Support Bracket to top of Frame Bracket



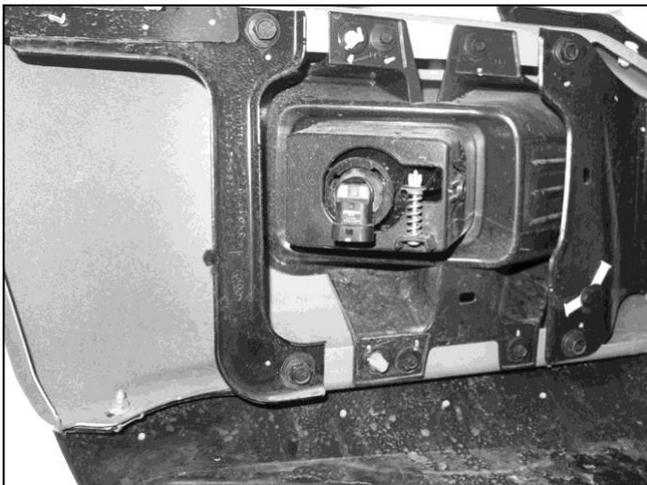
Reuse the (2) factory hex

(Fig 9) Attach the Driver/left Support Bracket to the frame using the (2) factory flange nuts



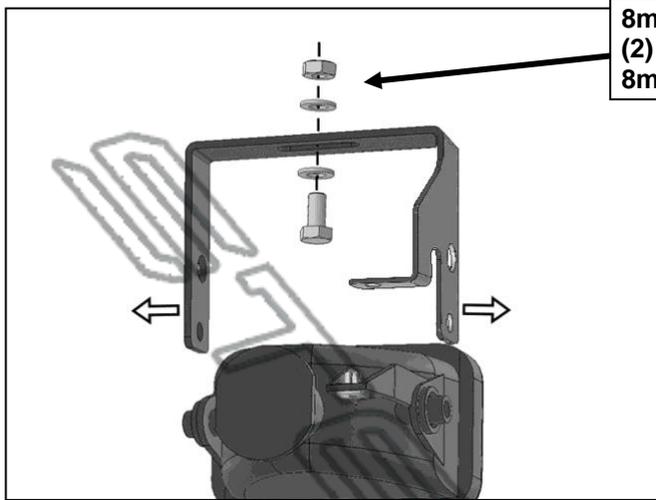
- (2) 12mm x 45mm Hex Bolts
- (4) 12mm Flat Washers
- (2) 12mm Nylon Lock Nuts

(Fig 10) Driver/left side Support Bracket attached to Frame Bracket with tow hook



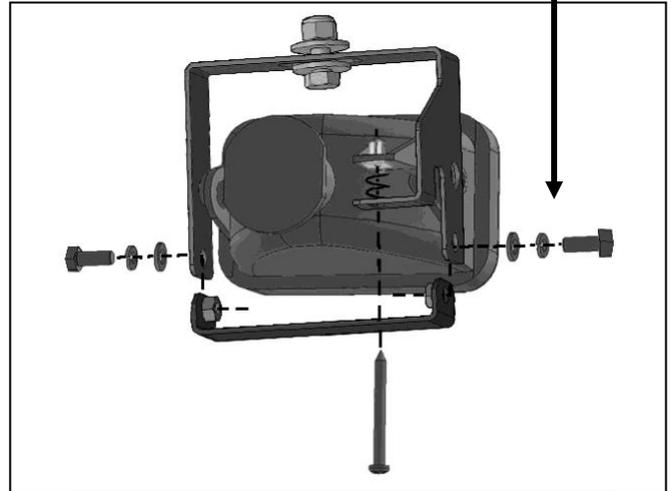
(Fig 11) Remove fog light assembly from bumper

Driver/left Side Installation Pictured



8mm x 20mm Hex Bolt
(2) 8mm Flat Washers
8mm Nylon Lock Nut

6mm x 16mm Hex Bolt
6mm Lock Washer
6mm x 18mm Flat Washer



(Fig 13) Attach lower U Bracket to Upper Bracket. Reuse factory adjustment hardware (screw, spring and plastic nut)

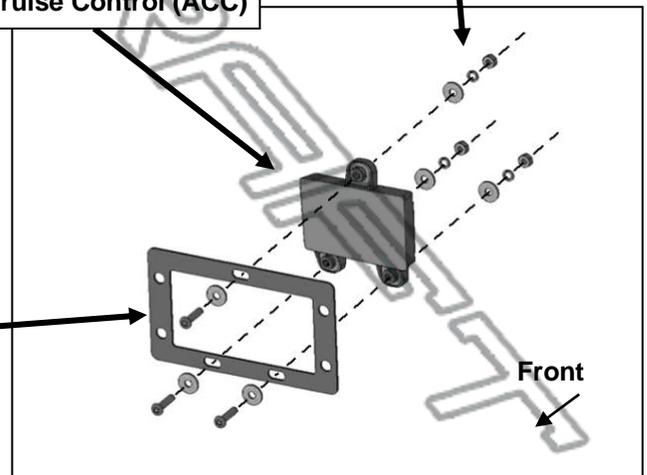
(Fig 12) Optional OEM fog light installation (light not included). Attach driver/left Upper Bracket to the slot in top of the opening. Carefully spread sides to slide OEM fog light into position in pivot holes



(Fig 14) Driver/left side fog light assembly attached to back of Bumper

(3) 6mm x 25mm Button Head Bolts
(6) 6mm Flat Washers
(3) 6mm Lock Washers
(3) 6mm Hex Nuts

“late style” Adaptive Cruise Control (ACC)

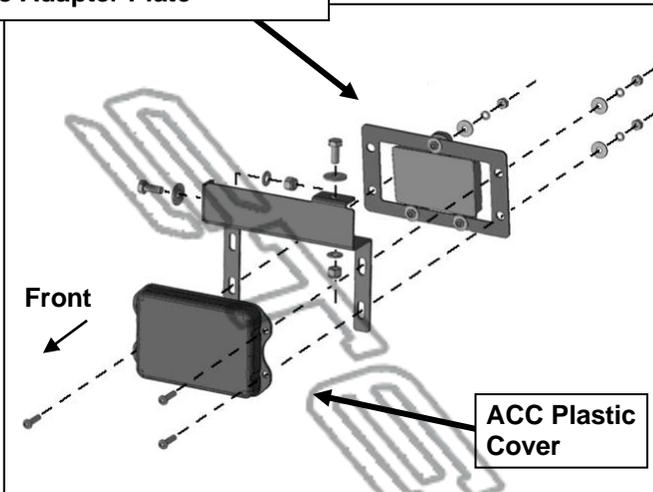


Adapter Plate for “late style” ACC Sensor

(Fig 15) Attach the “late style” ACC sensor to back of Adapter Plate

Driver/left Side Installation Pictured

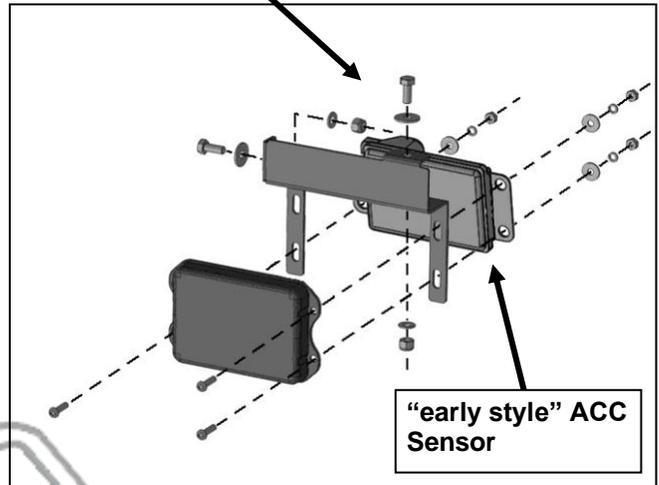
"late style" ACC attached to Adapter Plate



(Fig 16) Attach late style ACC assembly to the back of the ACC Mounting Bracket

- (3) 6mm x 25mm Button Head Bolts
- (3) 6mm Flat Washers
- (3) 6mm Lock Washers
- (3) 6mm Hex Nuts

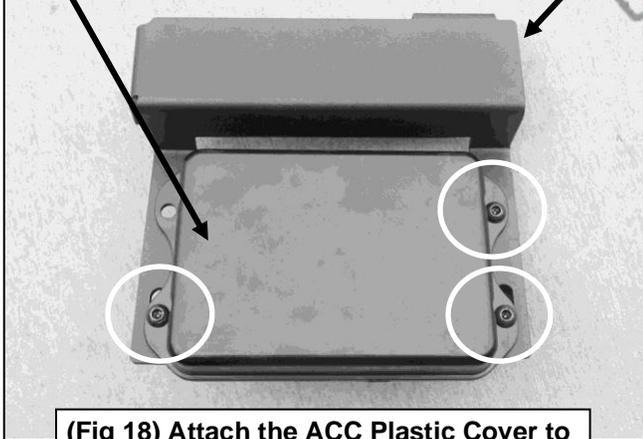
- (2) 8mm x 20mm Hex Bolts
- (2) 8mm x 24mm Flat Washers (Top)
- (2) 8mm x 16mm Flat Washers (Bottom)
- (2) 8mm Nylon Lock Nuts



(Fig 17) Attach early style ACC sensor to the back of the ACC Mounting Bracket

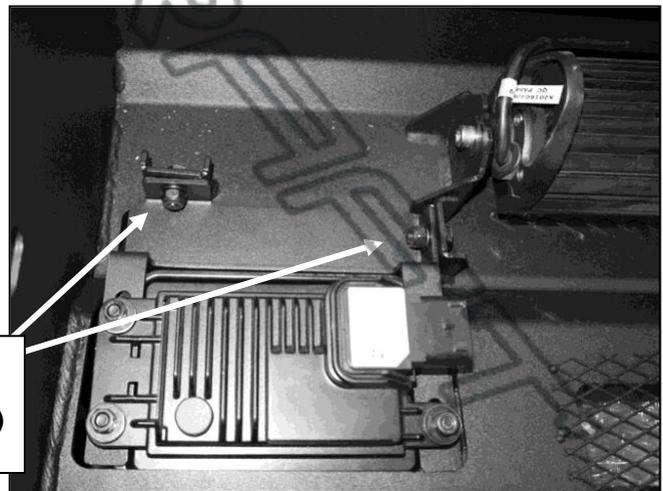
ACC Plastic Cover

ACC Bracket



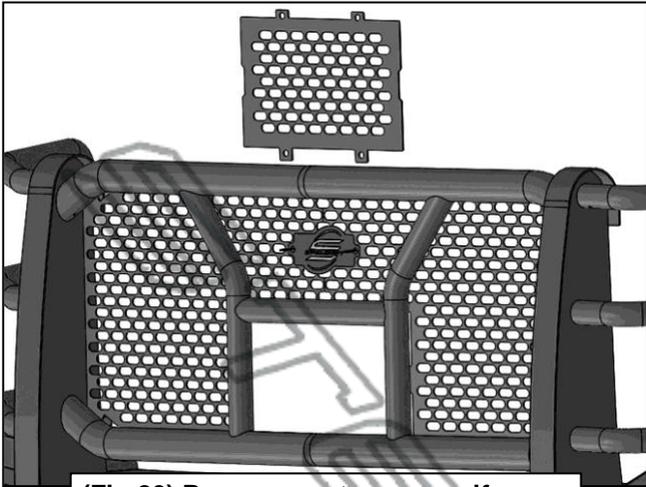
(Fig 18) Attach the ACC Plastic Cover to the front of the ACC Bracket

- (2) 8mm x 20mm Hex Bolts
- (2) 8mm x 24mm Flat Washers (Top)
- (2) 8mm x 16mm Flat Washers (Bottom)
- (2) 8mm Nylon Lock Nuts



(Fig 19) ACC assembly attached to the back of the Bumper

**ALUMINUM ELEVATION FRONT BUMPER
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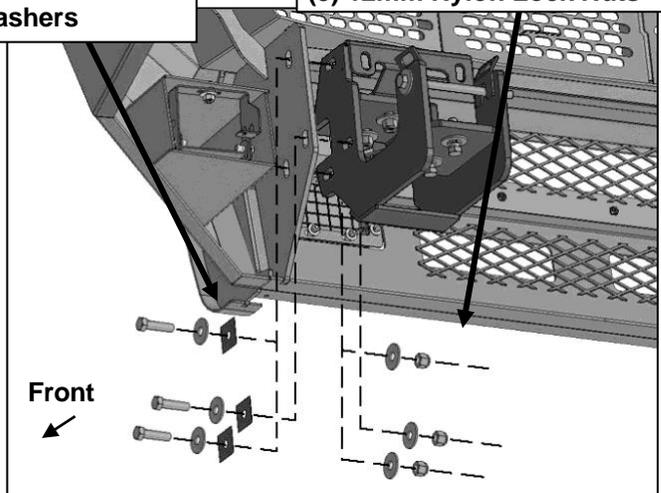


(Fig 20) Remove center screen if equipped with grille mounted camera

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

(4) 12mm Plastic Washers

**(3) 12mm x 45mm Hex Bolts
(6) 12mm Flat Washers
(3) 12mm Nylon Lock Nuts**

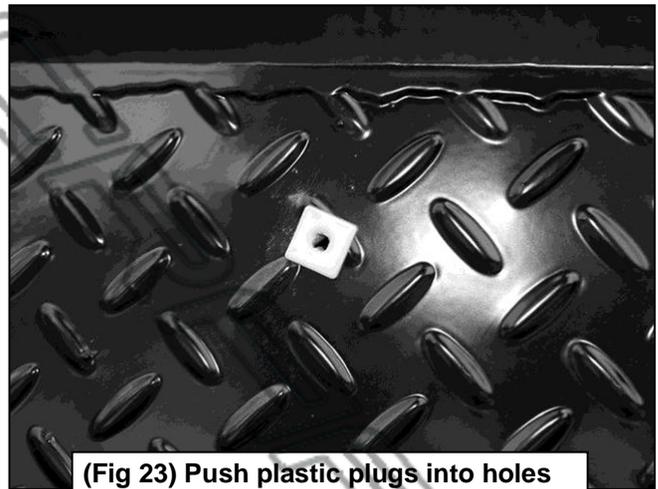


(Fig 21) Attach Bumper to side of Bracket. NOTE: Insert Plastic Washers between Flat Washer and mounting plate on Bumper to minimize corrosion



Front
←

(Fig 22) Attach Bumper to Bracket Assembly



(Fig 23) Push plastic plugs into holes in Bumper for license plate if required



Complete Installation

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.