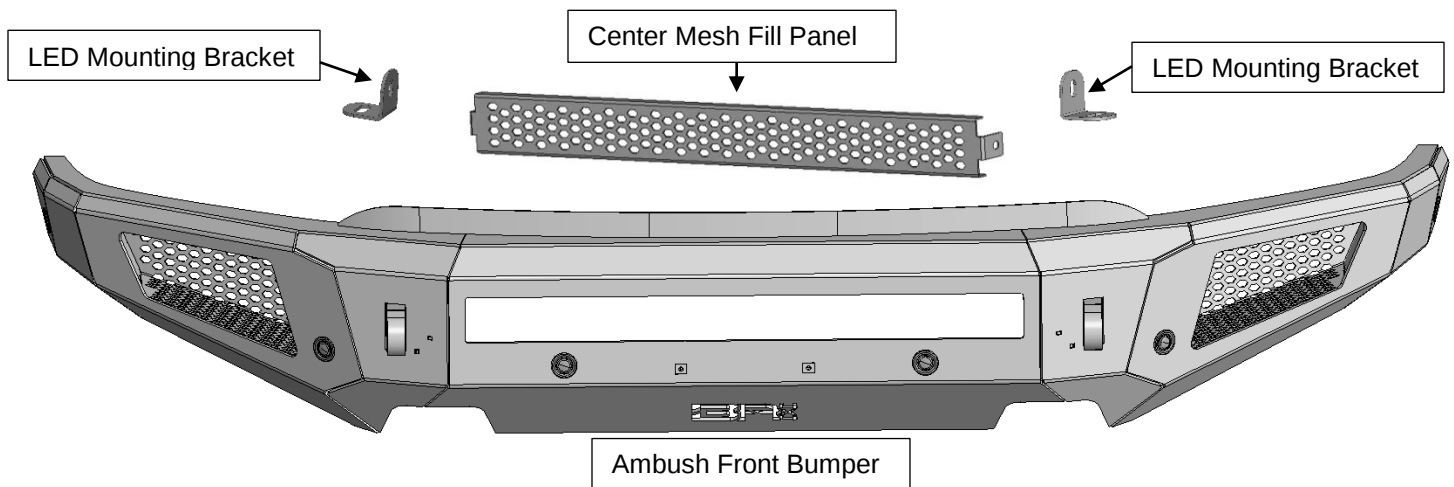


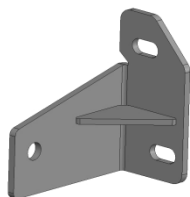
2021-2023 FORD F150 AMBUSH FRONT BUMPER (NON-WINCH) PART# FD-19344

PARTS LIST:

Description	Qty.	Description	Qty.
Ambush HD Bumper	1	12-1.75mm x 160mm Hex Bolts	2
Center mesh plate	1	12-1.75mm x 45mm Hex Bolts	6
Driver/Left Mounting Bracket	1	12-1.75mm x 45mm Triple Bolt Plate	2
Passenger/Right Mounting Bracket	1	12mm x 32mm x 3mm Flat washers	22
Driver/Left Inner Support Bracket	1	12-1.75mm Nylock Hex nuts	14
Passenger/Right Inner Support Bracket	1	8-1.25mm x 25mm Hex bolts	4
Driver/Left Outer Support Bracket	1	8-1.25mm x 16mm Hex bolts	2
Passenger/Right Outer Support Bracket	1	8mm x 24mm x 2mm Flat washers	8
Driver/Left LED bracket	1	8mm Lock washers	4
Passenger/Right LED bracket	1	8-1.25mm Hex nut	4
14mm x 22mm x 110mm Frame spacer tube	2	Parking sensor wire harness (20032055601)	2
5mm license plate plugs	2	Sensor retaining clips	6
		Plastic sensor sleeve cover	6
Allen Wrench S=4	1	20mm x 10mm Self adhesive foam	6
200mm Nylon Zip Ties	10	15.5mm x 25mm x 2mm Self-adhesive foam	6
		Sensor cover kit (6 pcs)	1
		4mm x 15mm Self-tapping screws	12



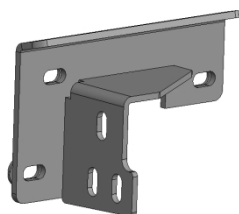
INSTALLATION INSTRUCTIONS



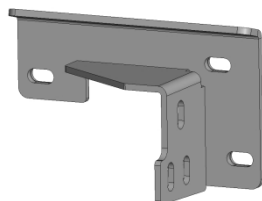
DS Outer Support Bracket



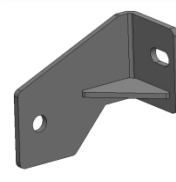
PS Inner Support Bracket



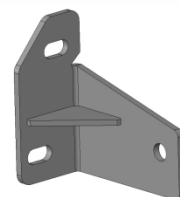
PS Mounting Bracket



DS Mounting Bracket



DS Inner Support Bracket

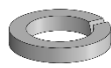


DS Outer Support Bracket

Parking Sensor Wire Harnesses



Flat Washer



Lock Washer



Hex Nut



Nylon Lock Nut



6mm Combo Bolt



12-1.75mm x 160mm Hex Bolt



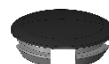
Hex Bolt



8mm Combo Hex Bolt



License Plate Plug



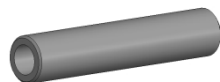
Sensor Plug



Retaining Cap



Foam Spacer



Frame Spacer Tube



Self-Tapping Screw



Foam Seal Washer

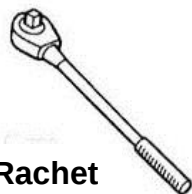


Sensor Cover Kit



Allen Key

TOOLS REQUIRED



Ratchet



Socket



Extensions

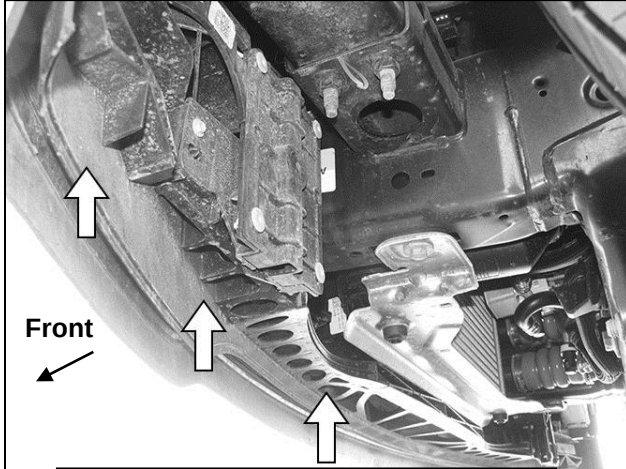


Wrench

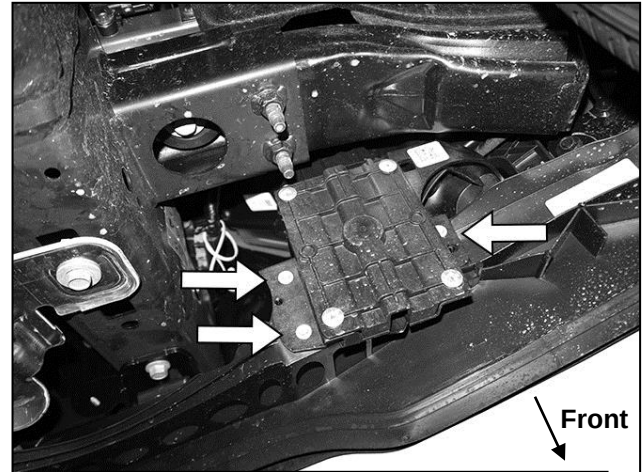
PRODUCT CARE AND MAINTENANCE

- Textured coat finished should be cleaned ONLY with a mild soap on a damp sponge.
- BA recommends wiping down the product with a light coat of lubricate (i.e. WD40) periodically to maintain its luster.
- DO NOT apply polish or wax that requires buffing for removal as this may damage the finish.
- DO NOT coat the product with any type of shine such as Tire Shine or glossy aerosol or gel. This can cause discoloration, staining or bubbling.

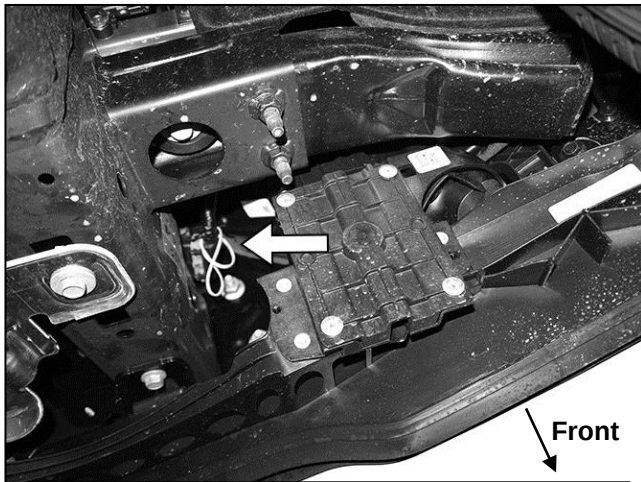
- 1 Follow (Fig 1 – 8) to prepare the vehicle to install the mounting brackets.



(Fig 1) Active air dam behind bumper



(Fig 2) Remove bolts (arrows) to remove active air dam from motors (passenger/right side pictured)

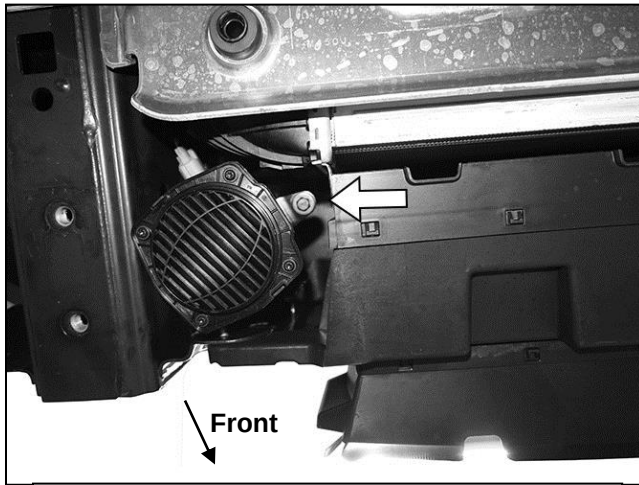


(Fig 3) Locate and unplug main harness plug on passenger/right side of bumper (arrow)

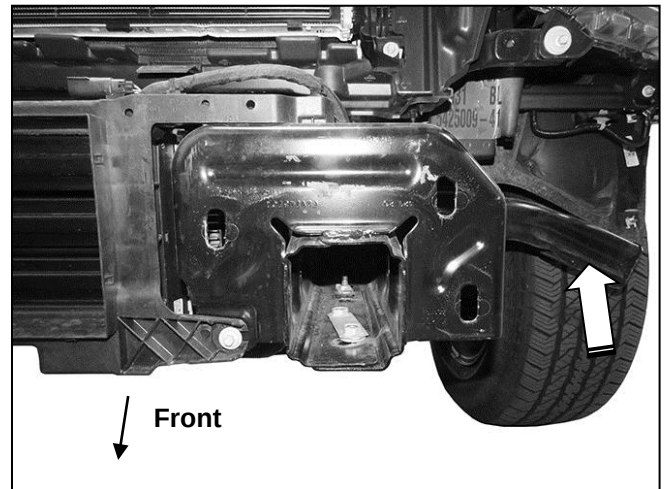


(Fig 4) Hybrid Models Only, locate alert speaker behind driver/left side of bumper

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



(Fig 5) Remove bolt (arrow) to temporarily remove audible alert speaker located behind driver/left side of bumper (hybrid models only-pictured from below)



(Fig 6) Remove bumper. Also remove the factory frame extension (arrow-optional)

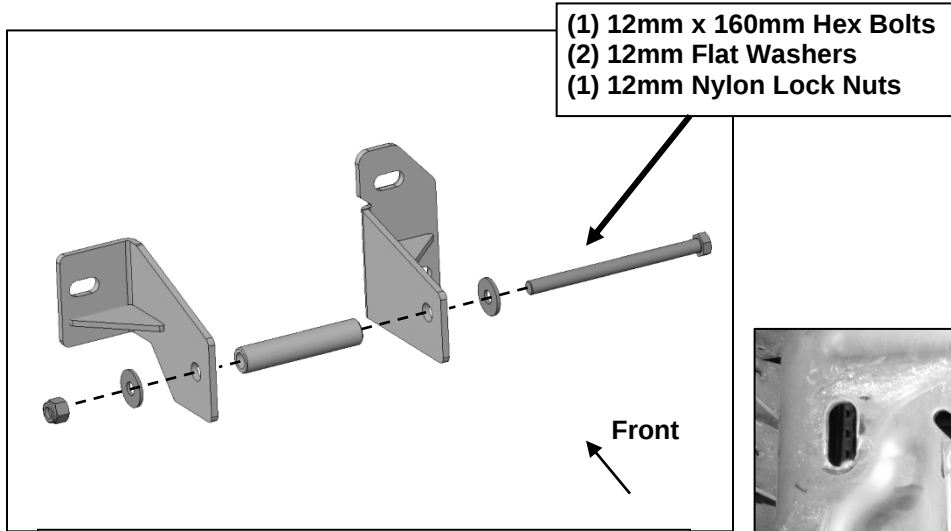


(Fig 7) Also remove the rubber vent shroud in the center.

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

2

Follow (Fig 8 - 22) to install the frame mounting brackets and bumper to vehicle for vehicles with and without tow hooks.



(Fig 8) Attach Inner and Outer Support Bracket to backside of frame horn. Install spacer tube inside the frame. Passenger/Right side pictured.

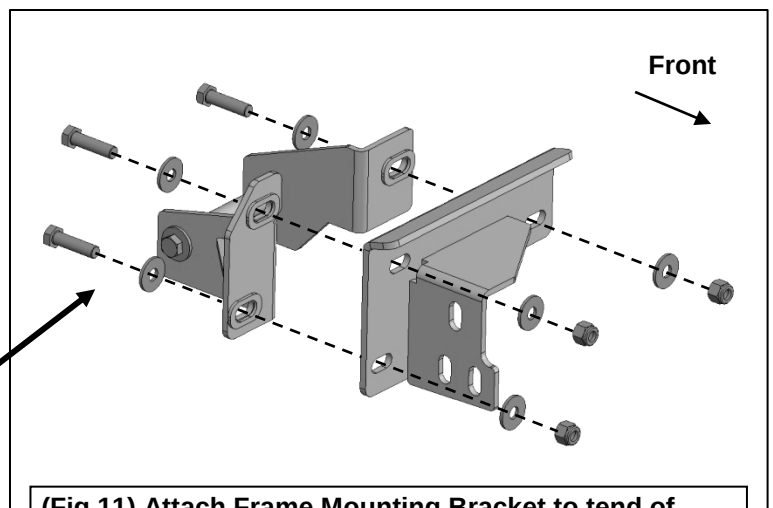


(Fig 9) Spacer tube installed inside of frame.



(Fig 10) Outer Support Bracket installed on backside of frame horn. Driver/Left Side pictured.

- (3) 12mm x 35mm Hex Bolts
- (6) 12mm Flat Washers
- (3) 12mm Nylon Lock Nuts

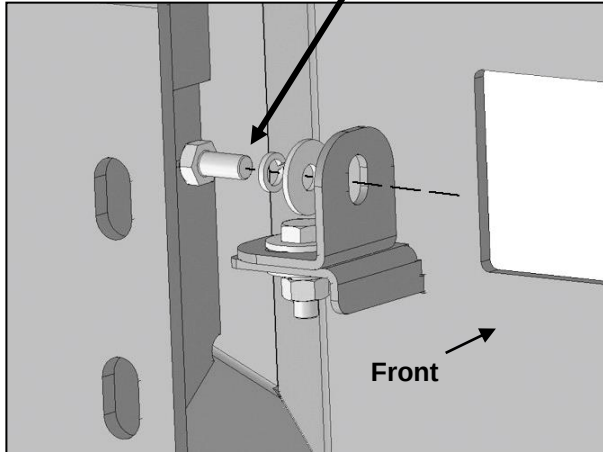


(Fig 11) Attach Frame Mounting Bracket to tend of frame. Passenger/Right Side pictured.



(Fig 12) Passenger/Right side bracket installed.

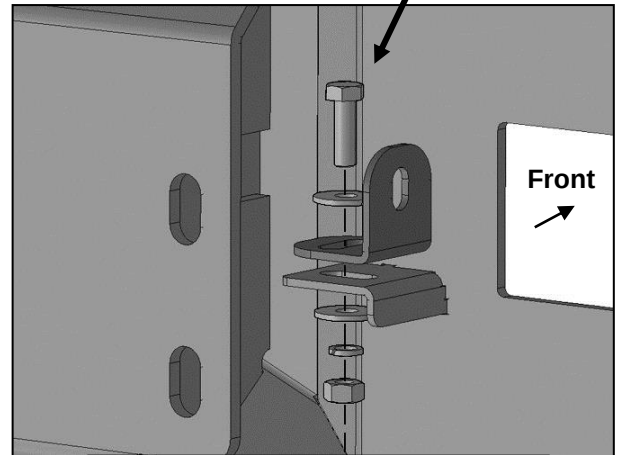
8mm x 16mm Hex Bolt
8mm Lock Washer
8mm Flat Washer



(Fig 14) Attach LED bar style light to "L" Brackets (driver/left side illustrated)

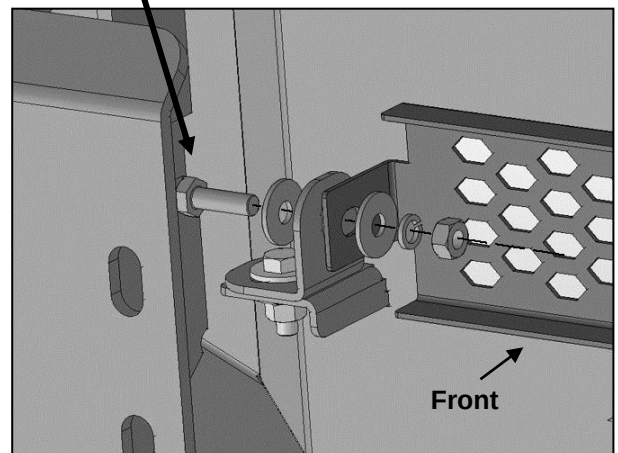
Note: Skip Fig 13 if no LED bar is being installed.

8mm x 25mm Hex Bolt
(2) 8mm Flat Washers
8mm Lock Washer
8mm Hex Nut

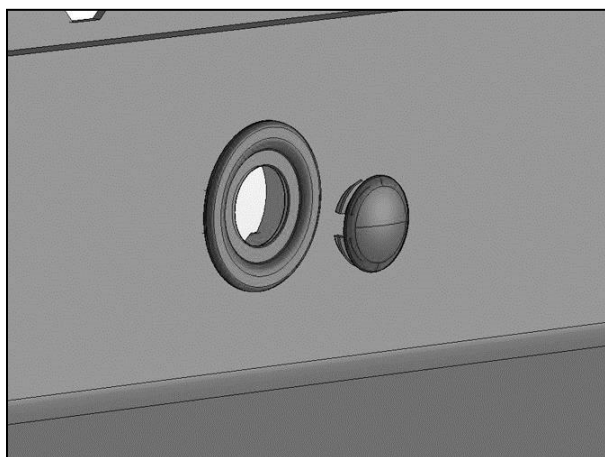


(Fig 13) Attach "L" Bracket to mounting tabs on back of Bumper

8mm x 25mm Hex Bolt
(2) 8mm Flat Washers
8mm Lock Washer
8mm Hex Nut

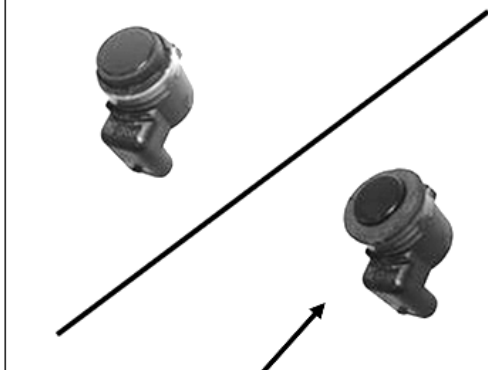


(Fig 15) Attach Mesh Fill Panel to "L" Brackets



(Fig 16) Models without sensors, push Plugs into Sensor Mounts

Note: Picture may not necessarily reflect what your factory parts will look like.

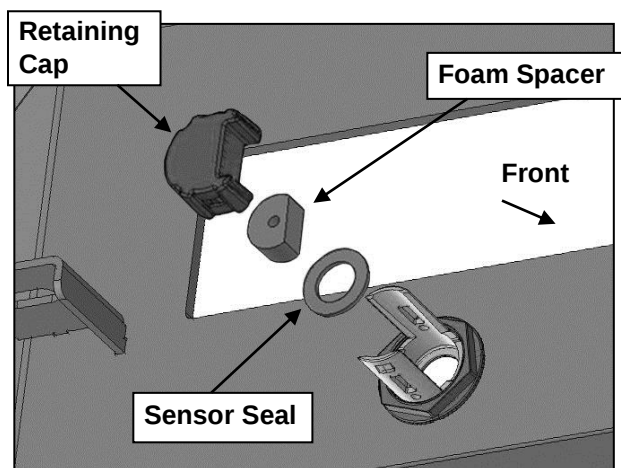


(Fig 18) Remove silicone seal from sensor. Slide large Seal over end of sensor (arrow)

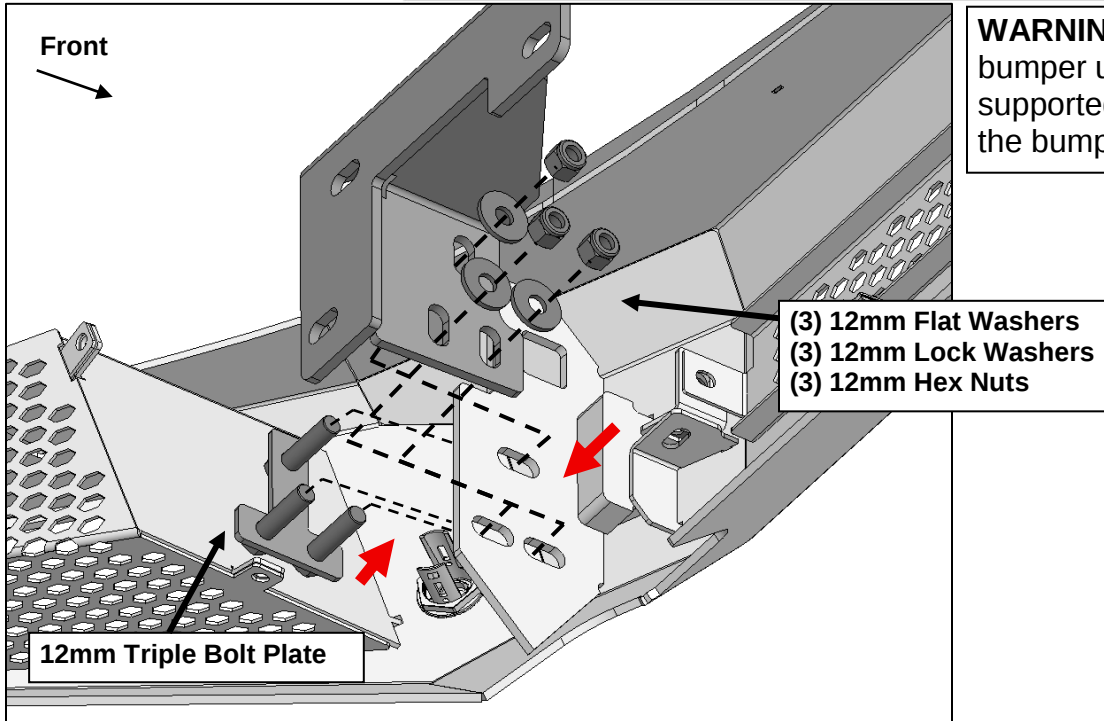
Note: LED cubes should be installed before mounting the bumper.



(Fig 17) Remove parking sensors and harness from factory bumper if equipped



(Fig 19) Remove front seal from Sensor. Apply larger Foam Seal to sensor. Slide sensor into sleeve, insert Foam Spacer and Retaining Cap to lock sensor in sleeve



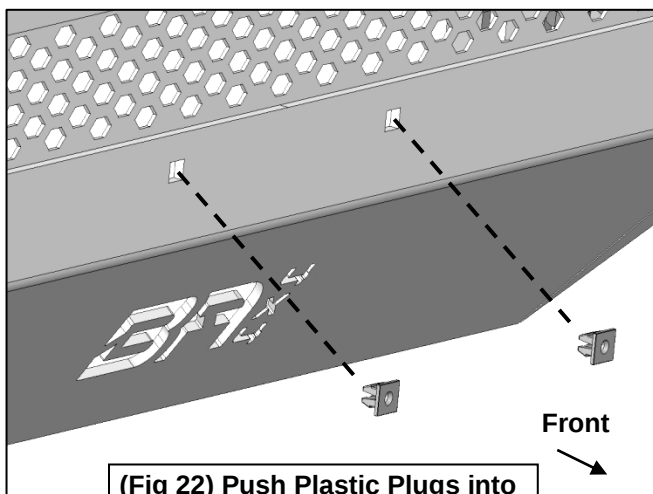
WARNING! Do not crawl under bumper unless it is properly supported on blocks or stands or the bumper may fall.

(Fig 20) Insert (1) 10mm Triple Bolt Plate through mounting plate on each side on back of Bumper.

Attach mounting flange of bumper to mounting bracket (Driver/Left side illustrated)



(Fig 21) Driver/left side of Bumper attached to Bumper Bracket.



(Fig 22) Push Plastic Plugs into Bumper for license plate

3

Follow (Fig 23) to apply finishing steps for bumper installation. Be sure to check fasteners and double check to make sure all electrical harnesses are plugged in.



(Fig 18) Adjust Bumper and Finish