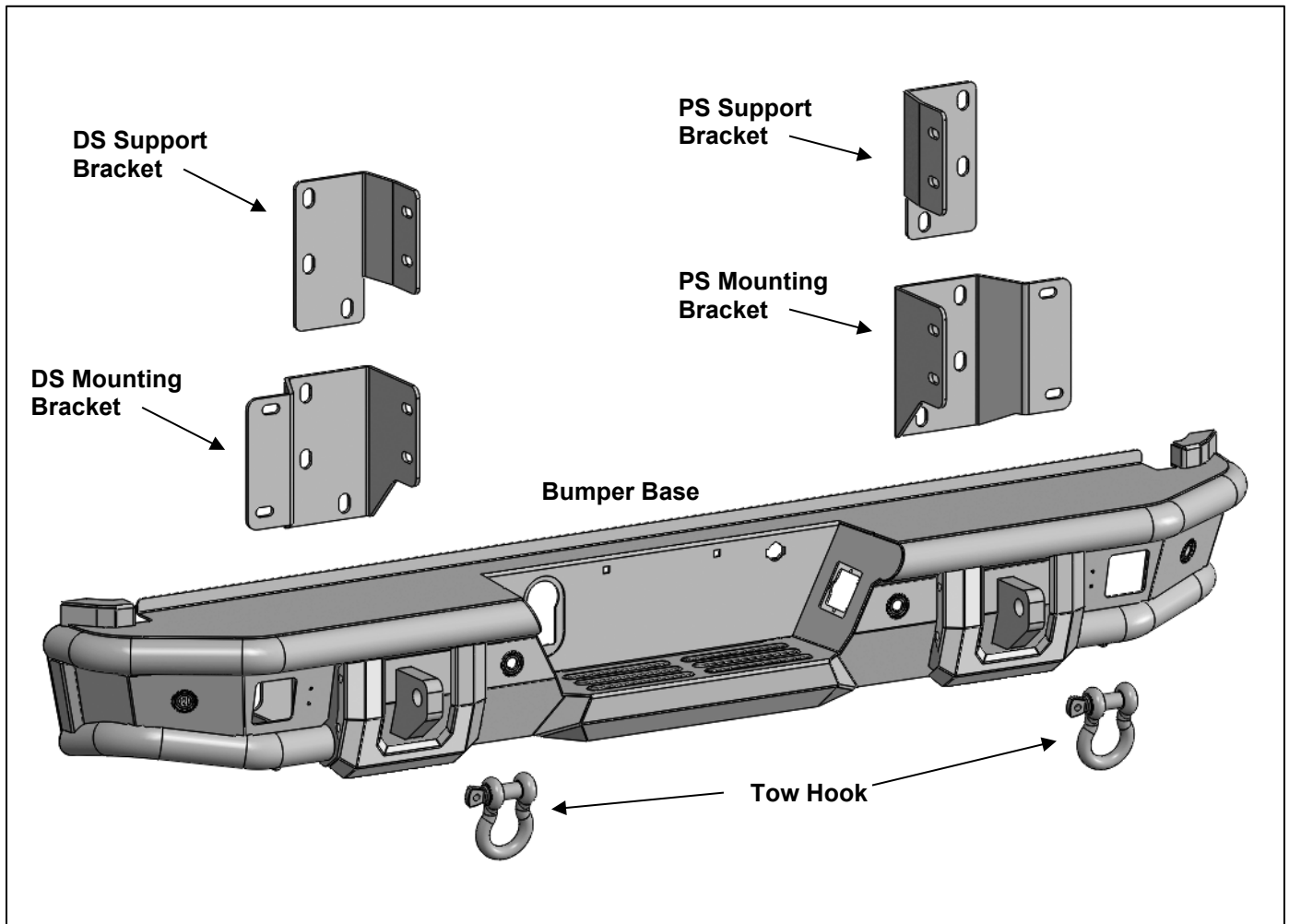


Installation Instructions

PARTS LIST:

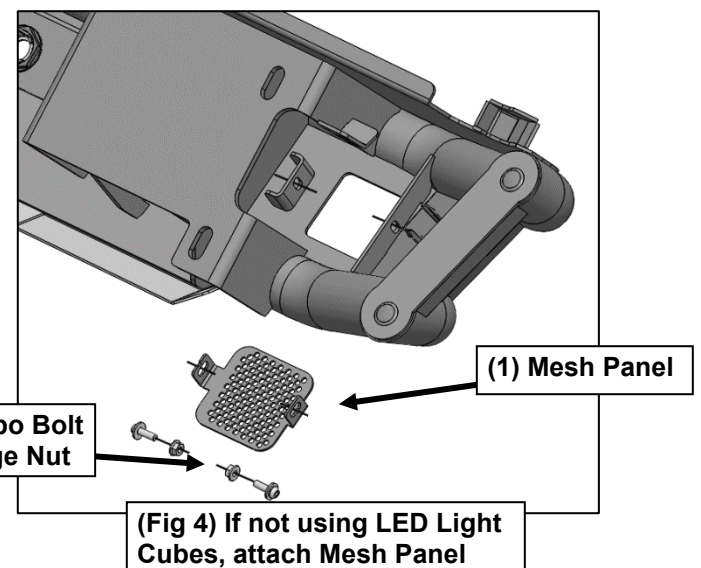
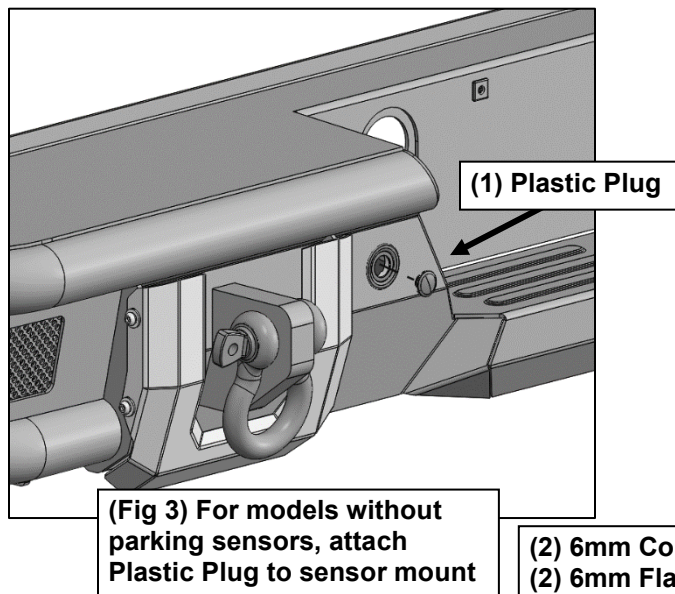
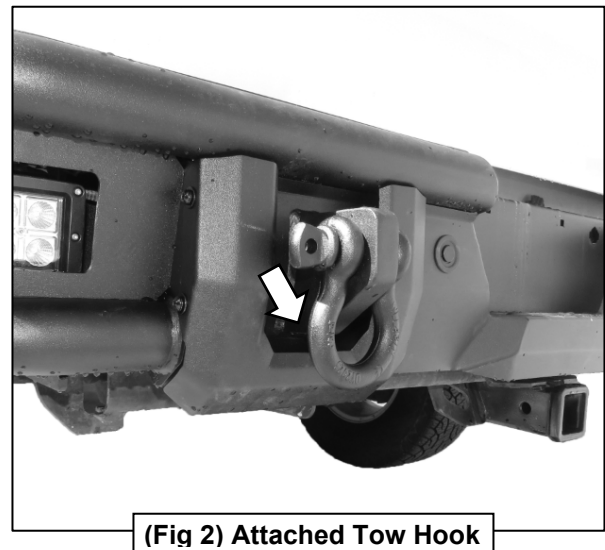
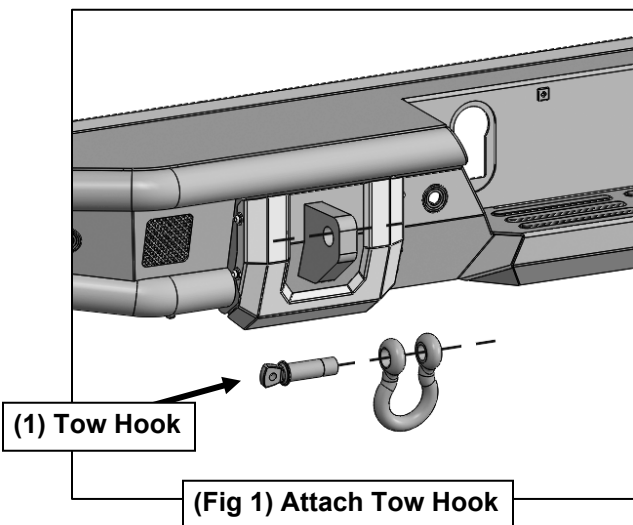
Qty	Item Description	Qty	Item Description
1	Bumper Base	8	4mm x 15mm Flat Head Self Tapping Screw
1	DS/Left Mounting Bracket	4	Plastic Plug (Without Sensors) (PP)
1	RS/Right Mounting Bracket	4	Retaining Cap (PP)
4	10mm Plastic Retainers	4	20mm x 10mm Foam Spacers
1	PS/right Fill in Mesh Panel	4	15.5mm x 25mm OD x 2mm Foam Washer
1	DS/left Fill in Mesh Panel	6	19mm Anti-Collision Rubber Pellets
10	200mm Wire Harness Ties	8	10mm x 30mm x 2.5mm Flat Washers
1	PS/Right Support Bracket	8	10mm Lock Nuts
1	DS/Left Support Bracket	4	6-1.00mm x 20mm Combo Bolts
2	10mm x 35mm Bolt Plate	4	6mm Hex flanged Nuts
2	Plastic Plugs for License Plate	2	Parking Sensors Wire Harness Extension
2	10mm x 95mm Double Bolt Plate	6	14mm PVC Plastic retainer



TOOLS REQUIRED			
 Ratchet	 Socket	 Extensions	 Wrench

1

Follow (Fig 1 – 4) to prepare HD4 Bumper for installation by attaching Tow Hook and attaching Plastic Plug and Mesh Panel for vehicles not using parking sensor or LED Light cubes.

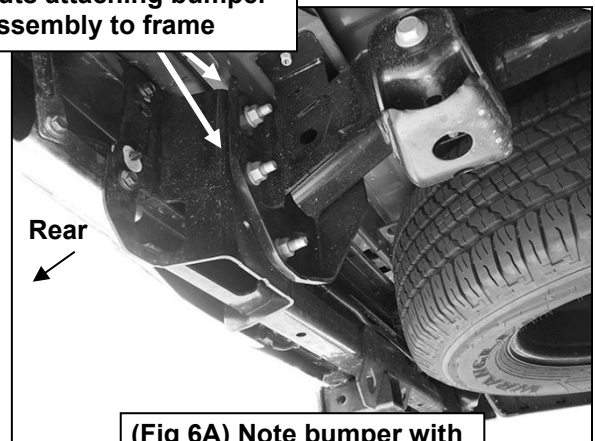


- 2** Follow (Figures 5 – 7) to remove factory bumper for the installation of the HD4 Bumper.

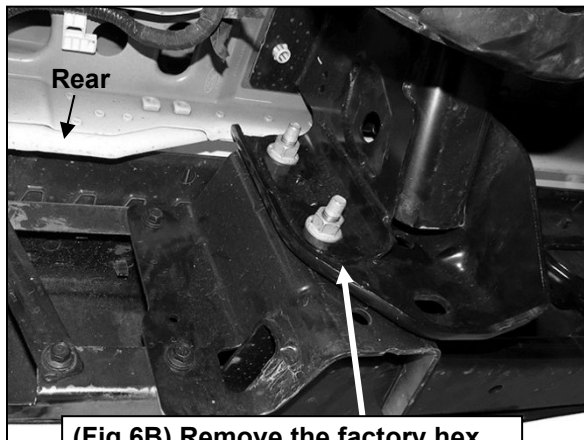


(Fig 5) Unplug the harness leading to the bumper and 7-wire trailer plug

Remove the factory hex nuts attaching bumper assembly to frame



(Fig 6A) Note bumper with integrated receiver hitch



(Fig 6B) Remove the factory hex nuts attaching bumper assembly to frame. STD tow package model pictured (no receiver hitch)



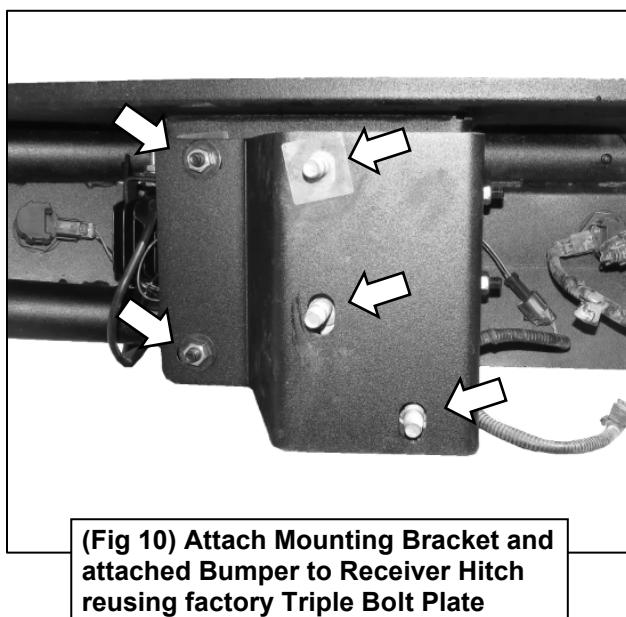
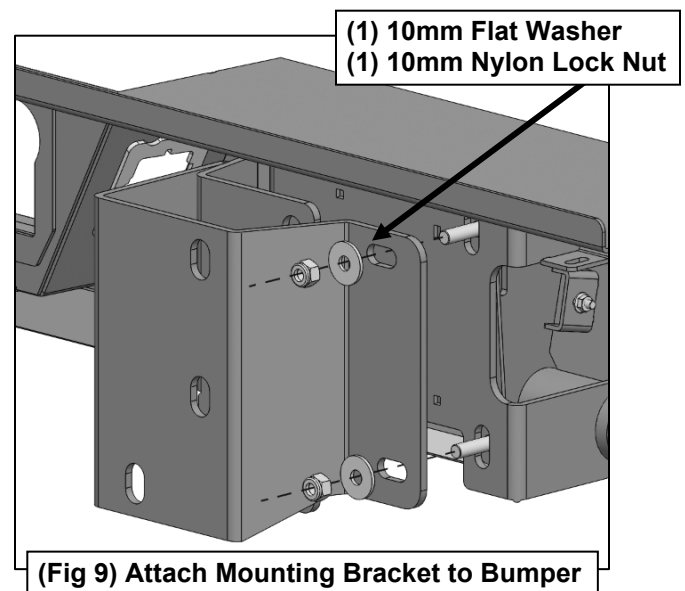
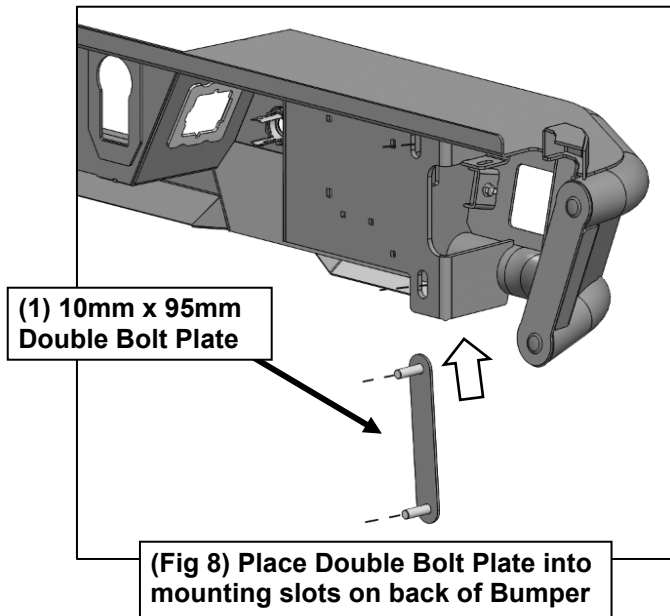
(Fig 7B) Factory Bumper removed (no receiver hitch)



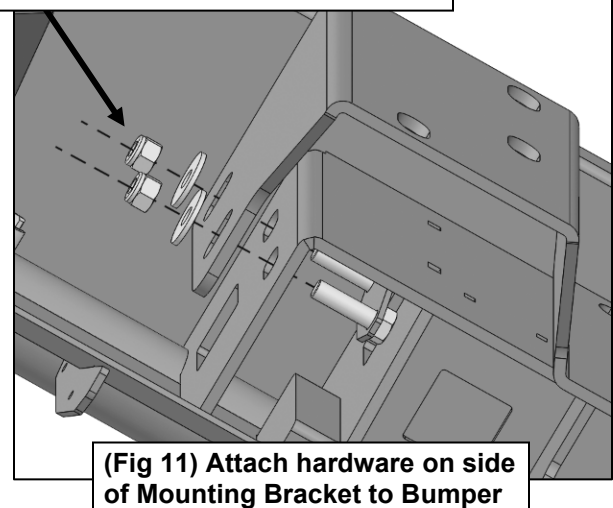
(Fig 7A) Factory Bumper removed (with receiver hitch)

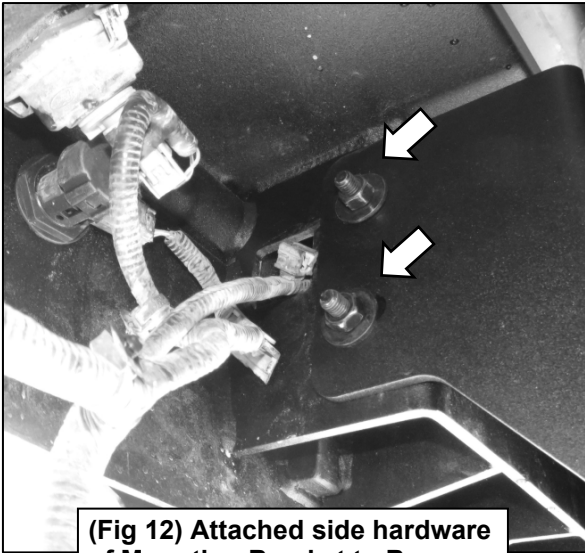
3

Follow (Figure 8 – 13) for models without receiving hitch to attach Mounting Bracket to Bumper, then attach Bumper and Bracket to vehicle. Ensure hardware is hand tightened.

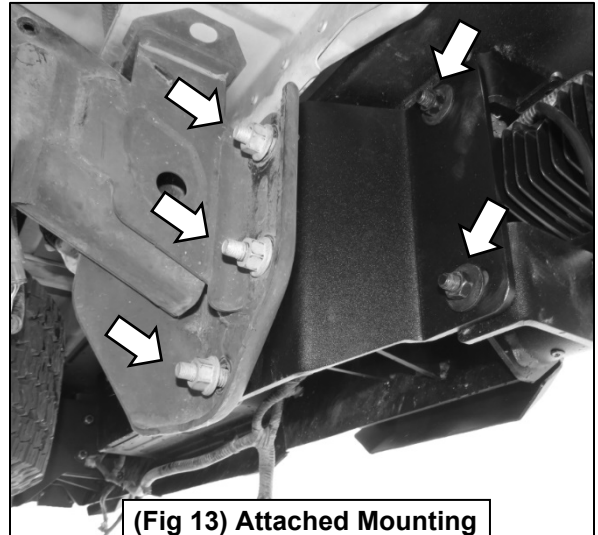


- (1) 10mm x 95mm Double Bolt Plate
(1) 10mm Flat Washer
(1) 10mm Nylon Lock Nut





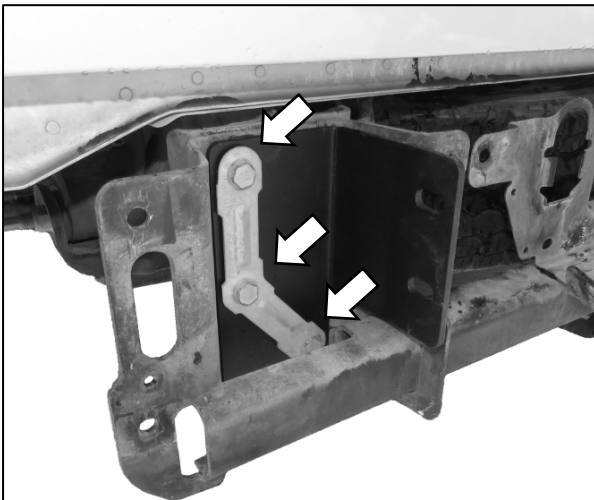
(Fig 12) Attached side hardware of Mounting Bracket to Bumper



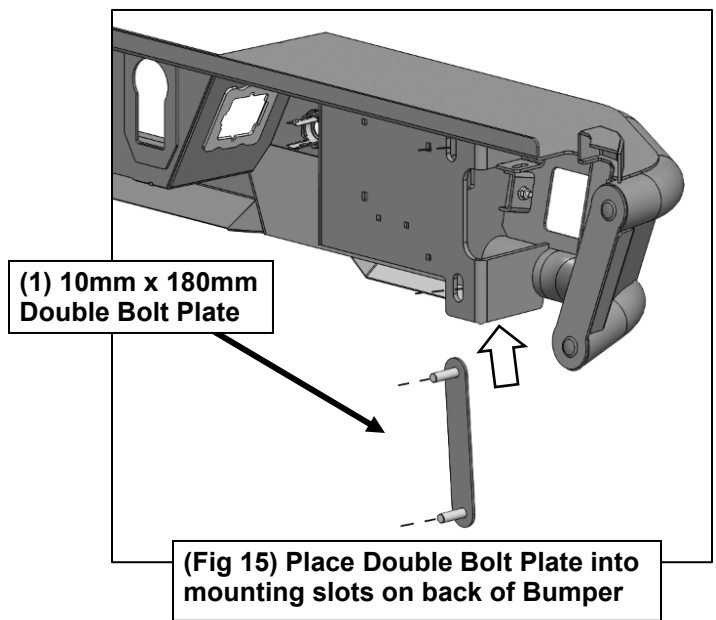
(Fig 13) Attached Mounting Bracket and Bumper

4

Follow (Figure 14 – 19) for models with receiver hitch, attaching Support Bracket to receiver hitch, then attaching Bumper to receiver hitch. Ensure hardware is hand tightened.

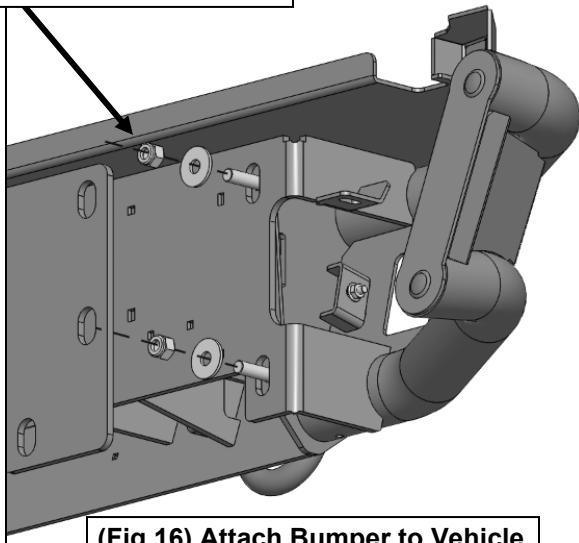


(Fig 14) Attach Support Bracket to Vehicle reusing factory Triple Bolt Plate



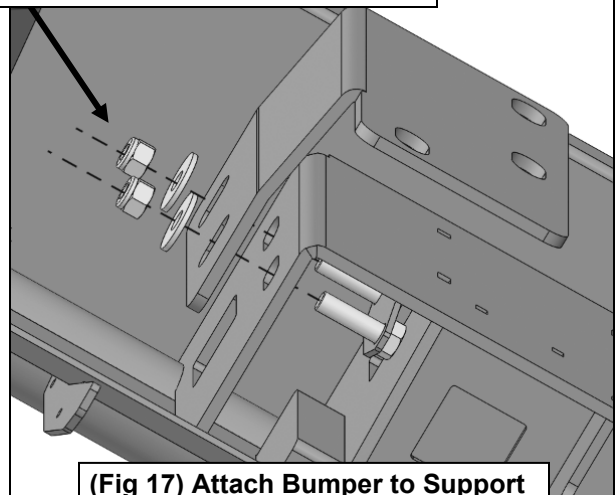
(Fig 15) Place Double Bolt Plate into mounting slots on back of Bumper

- (1) 10mm Flat Washer
- (1) 10mm Nylon Lock Nut

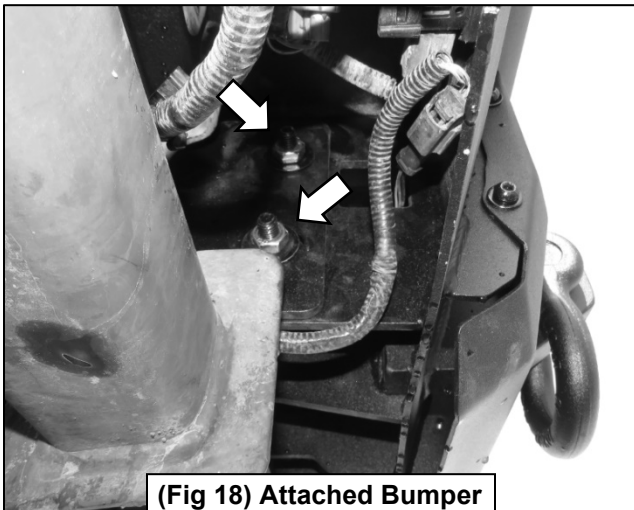


(Fig 16) Attach Bumper to Vehicle

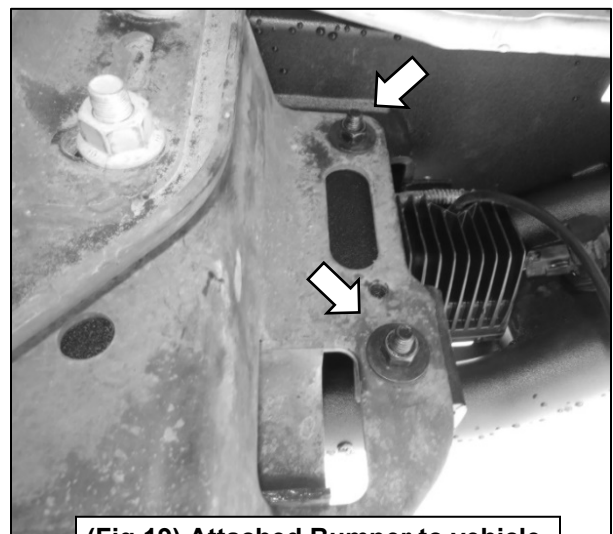
- (1) 10mm x 95mm Double Bolt Plate
- (1) 10mm Flat Washer
- (1) 10mm Nylon Lock Nut



(Fig 17) Attach Bumper to Support Bracket using side mounting slots

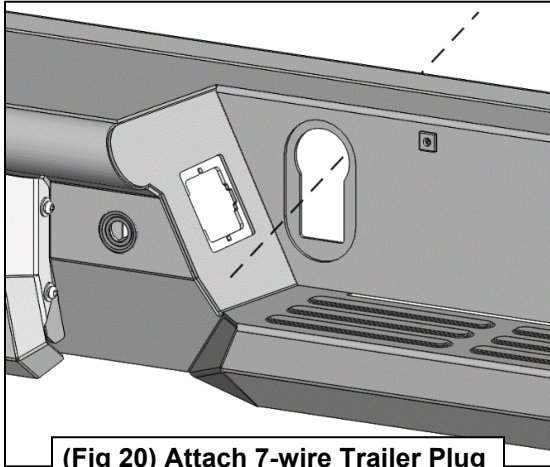


(Fig 18) Attached Bumper to side mounting slots



(Fig 19) Attached Bumper to vehicle

- 5** Follow (Figure 20 – 27) to attach Trailer Plug, Parking Sensors, License Plate, LED Light Cubes, and License Plate Lights.



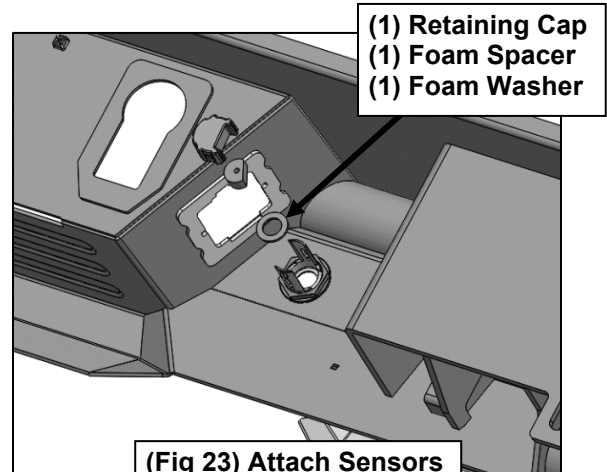
(Fig 20) Attach 7-wire Trailer Plug to insert hole in Bumper



(Fig 21) Attached 7-wire Trailer Plug

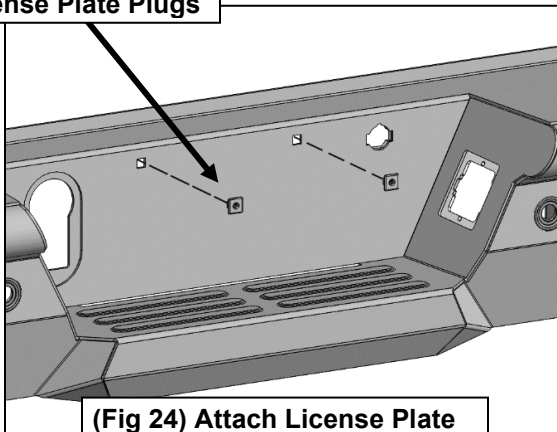


(Fig 22) Replace silicone seal with large Seal

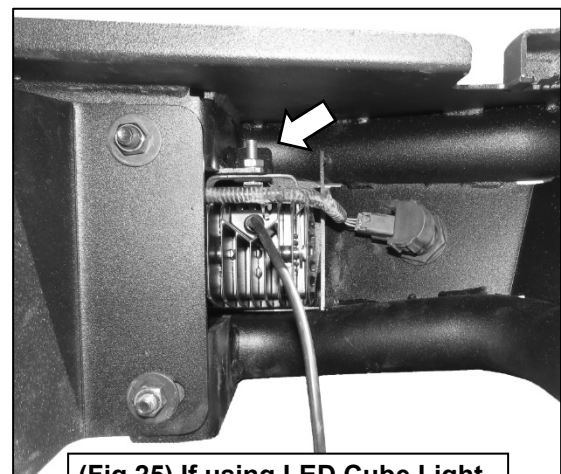


(Fig 23) Attach Sensors to sensor mounts

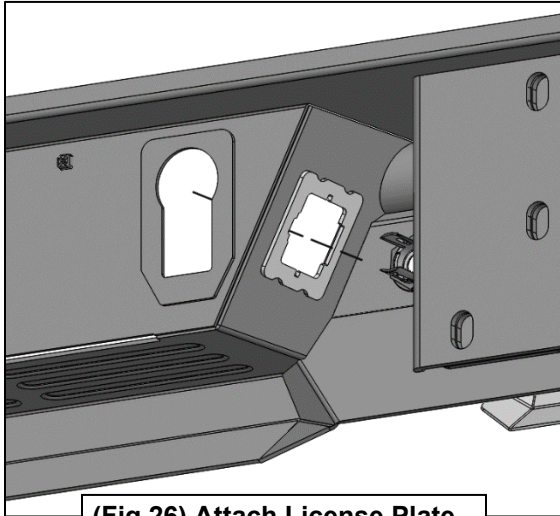
(2) License Plate Plugs



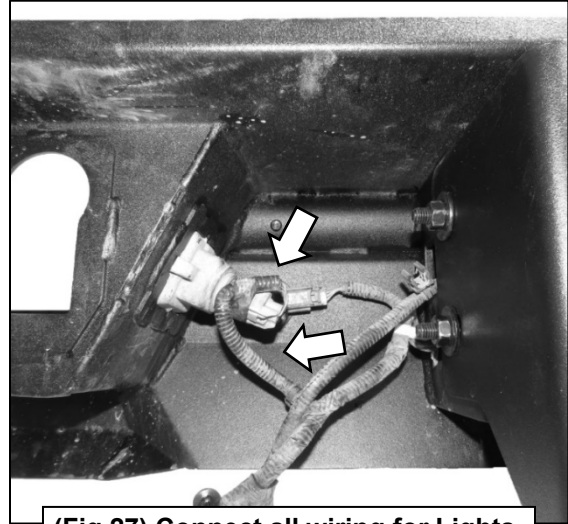
(Fig 24) Attach License Plate using License Plate Plugs



(Fig 25) If using LED Cube Light, attach to tab on rear of vehicle



(Fig 26) Attach License Plate lights to mounting slots



(Fig 27) Connect all wiring for Lights and sensors to wiring harness

6

Ensure Bumper is level, then tighten all hardware and double check all wiring connections. At this point, installation is complete. Do periodic inspections to the installation to make sure that all hardware is secure and tight.



Completed Installation