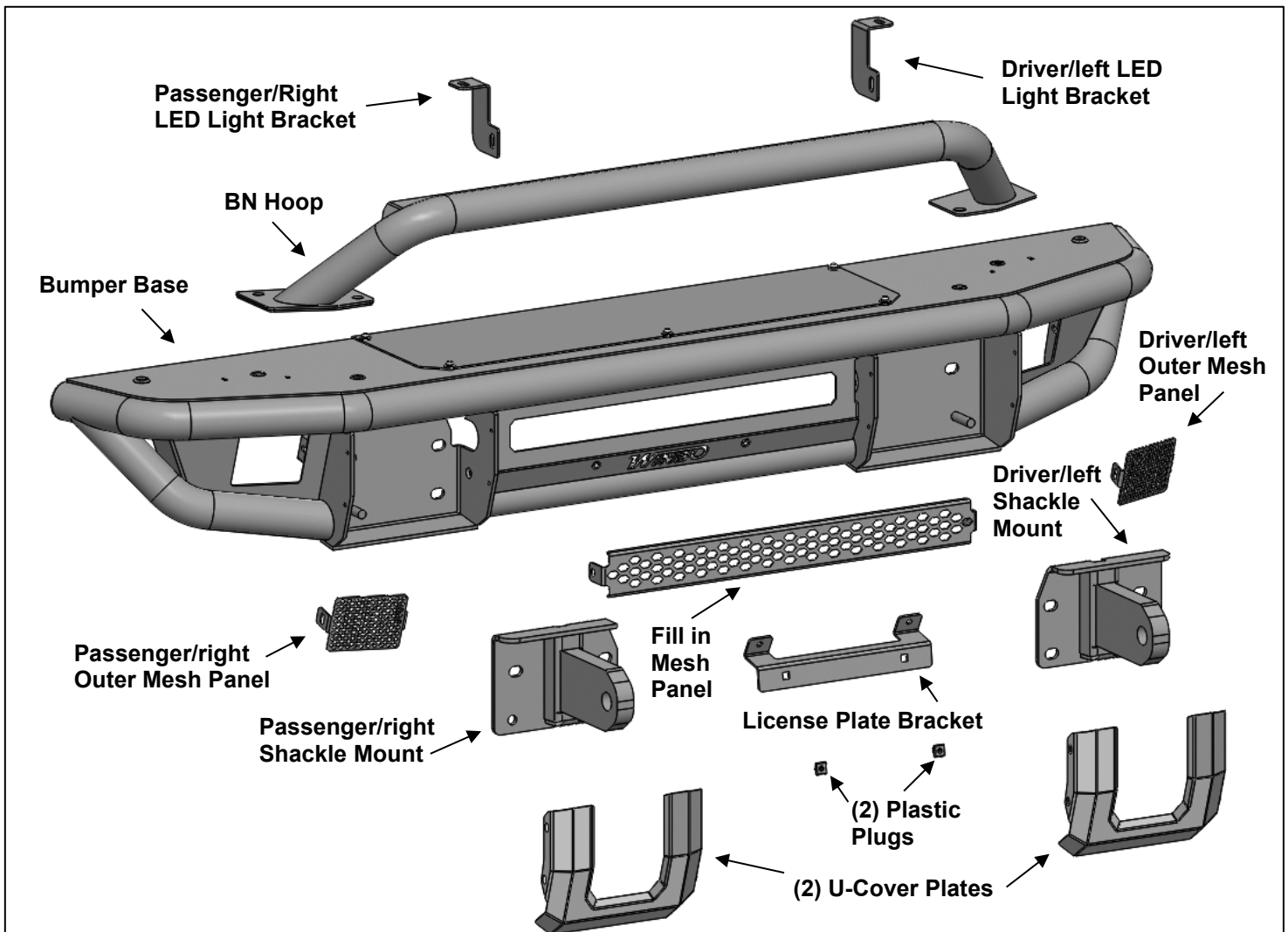


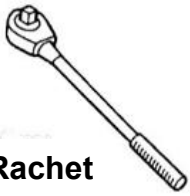
Installation Instructions

PARTS LIST:

Qty	Item Description	Qty	Item Description
1	Bumper Base	1	Allen Wrench S=5
1	BN Hoop	4	8-1.25mm x 25mm Button Head Allen Bolts
1	DS/left Shackle Mount Plate	2	8-1.25mm x 30mm Button Head Allen Bolts
1	PS/right Shackle Mount Plate	2	8-1.25mm x 25mm Hex Bolts
2	U-shaped Cover Plates	2	8-1.25mm x 16mm Hex Bolts
1	PS/right LED Light Bracket (Top mount)	14	8mm x 24mm x 2mm Flat Washers
1	PS/right Fill in Mesh Panel (Cube LED)	4	8mm x 16mm x 1.6mm Flat Washers
1	DS/left Fill in Mesh Panel (Cube LED)	10	8mm Lock Washers
1	DS/left LED Light Bracket (Top mount)	2	8mm Nylon Lock Nuts
1	License Plate Bracket	6	8mm Hex Nuts
1	Fill in Mesh Panel (Center light bar)	14	6-1.00mm x 20mm Combo Bolts
2	12-1.75mm Bolt Plates	4	6mm Flange Nuts
2	12-1.75mm Double Bolt Plates	2	12mm x 24mm x 2.5mm Flat Washers
2	Plastic Plugs for License Plate	6	12mm x 32mm x 3mm Flat Washers
6	12mm Plastic Retainers (for bolt plates)	8	12mm Lock Washers
1	Allen Wrench S=4	8	12mm Hex Nuts
1	Mounting Plate	1	LED Extension Harness



TOOLS REQUIRED



Ratchet



Sockets

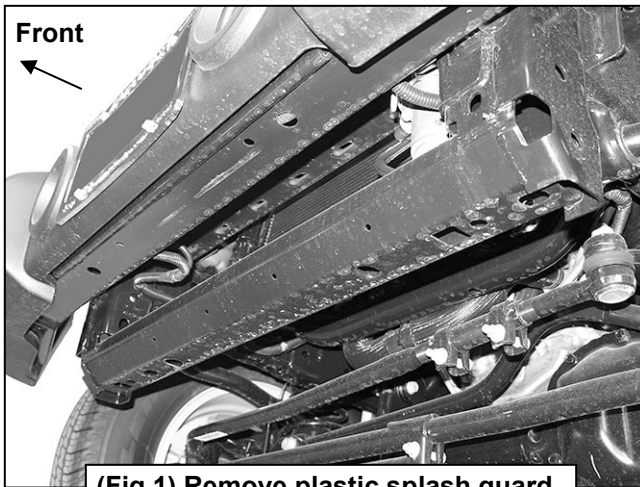


Extensions

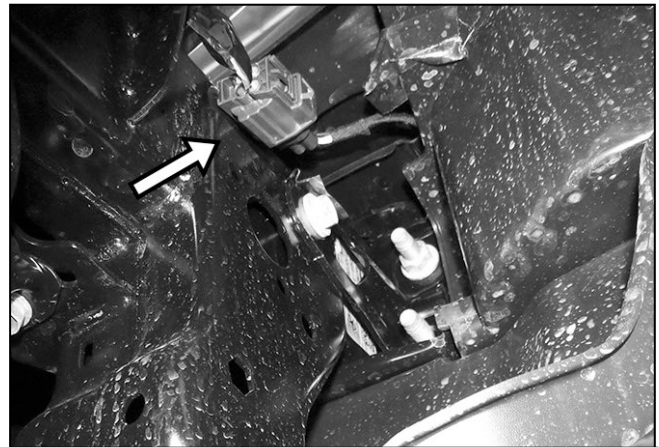


Wrench

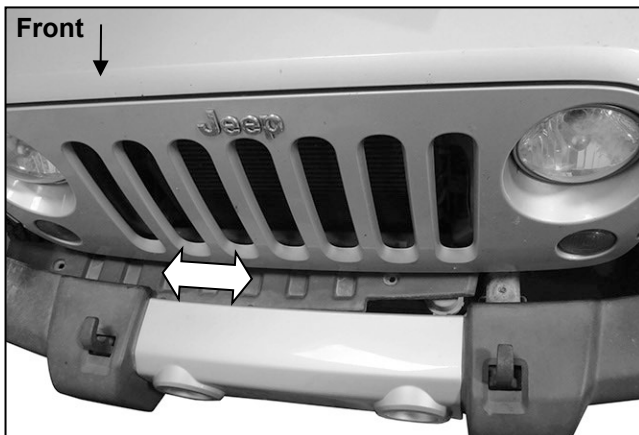
- Follow (Fig 1 – 7) to remove factory bumper and wiring harness to prepare vehicle for LD Bumper installation.



(Fig 1) Remove plastic splash guard or skid plate from bottom of bumper

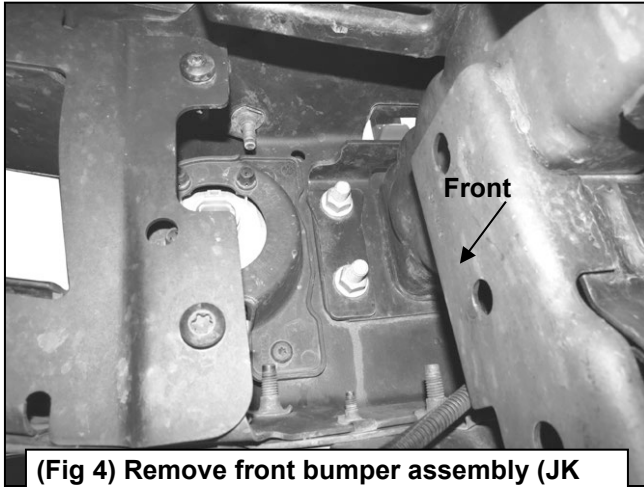


(Fig 2) Unplug the wiring harness leading to the front bumper (arrow-JL passenger side pictured)



(Fig 3) JK models-Remove clips attaching fill panel to top of frame. Slide panel left or right to access bumper bolts from above

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



(Fig 4) Remove front bumper assembly (JK passenger side inner bumper bolts pictured)



(Fig 5) Front Bumper and splash guard removed from vehicle (07-18 JK pictured)



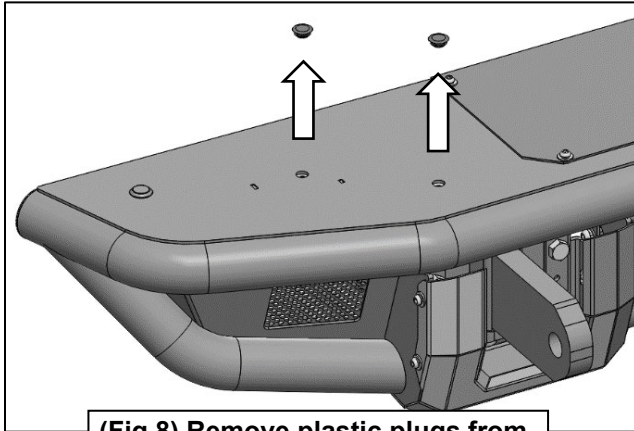
(Fig 6) Remove front bumper and splash guard or skid plate (2018-on JL pictured)



(Fig 7) Front Bumper and splash guard removed (2020 Gladiator JT shown)

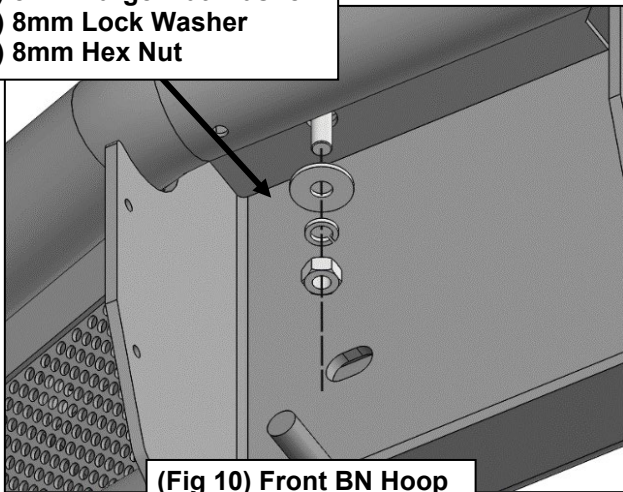
WARNING! Do not remove bumper bolts unless the bumper is properly supported on blocks or stands or it may fall.

Follow (Fig 8 – 22) to attach BN Hoop, then attach Bumper to vehicle. Ensure Bolts are hand tightened at this point.



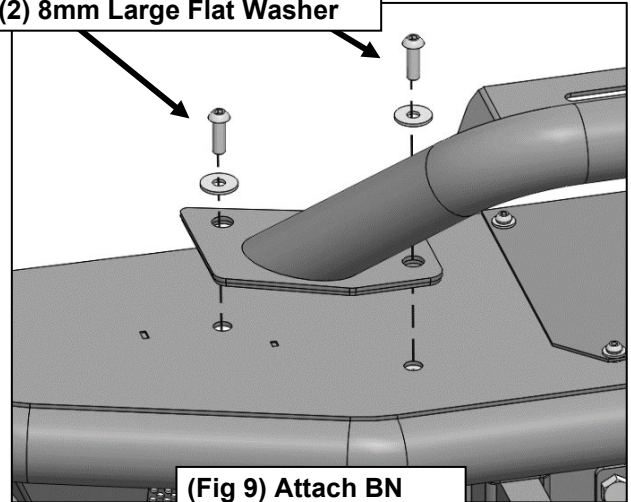
(Fig 8) Remove plastic plugs from BN Hoop installation points

- (1) 8mm Large Flat Washer
- (1) 8mm Lock Washer
- (1) 8mm Hex Nut



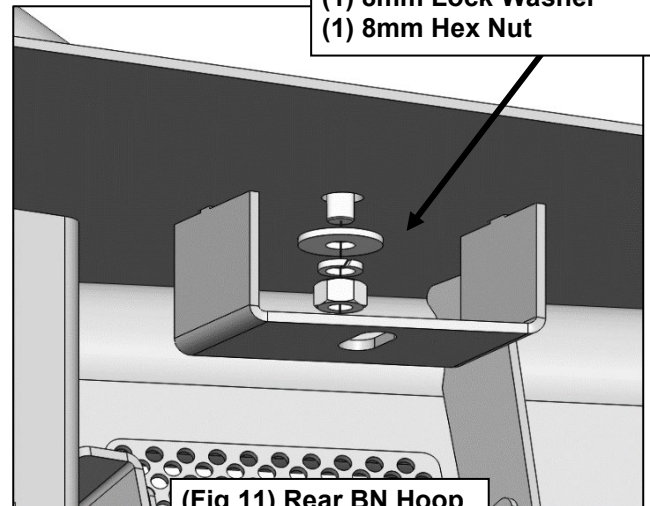
(Fig 10) Front BN Hoop installation point

- (2) 8x25mm Button Head Bolt
- (2) 8mm Large Flat Washer

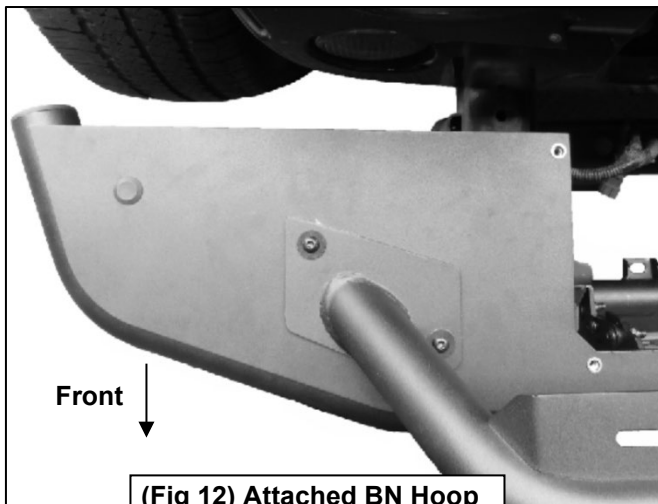


(Fig 9) Attach BN Hoop to LD Bumper

- (1) 8mm Large Flat Washer
- (1) 8mm Lock Washer
- (1) 8mm Hex Nut



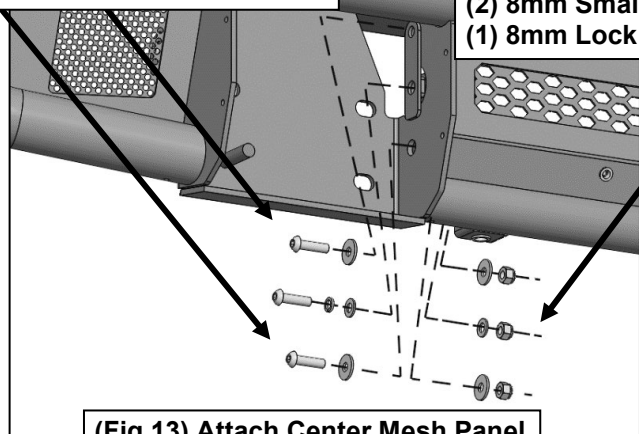
(Fig 11) Rear BN Hoop installation point



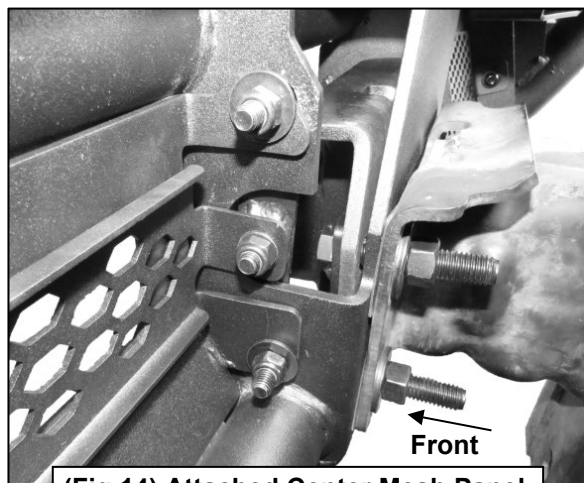
(Fig 12) Attached BN Hoop

(2) 8x30mm Button Head Bolt
(4) 8mm Large Flat Washer
(2) 8mm Lock Nut

(1) 8x30mm Button Head Bolt
(1) 8mm Lock Washer
(2) 8mm Small Flat Washer
(1) 8mm Lock Nut

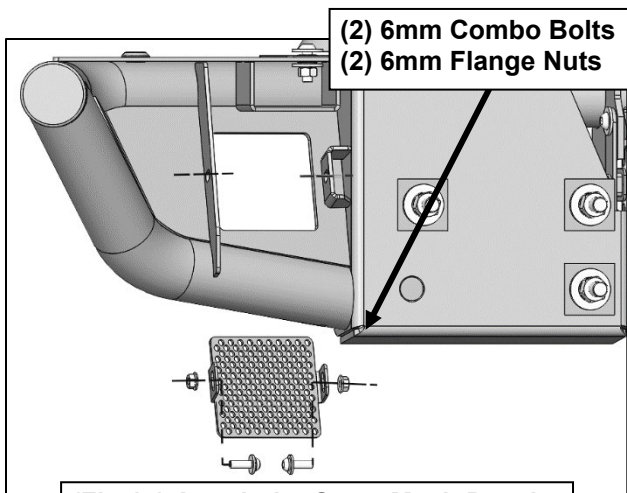


(Fig 13) Attach Center Mesh Panel with lightbar (not included)

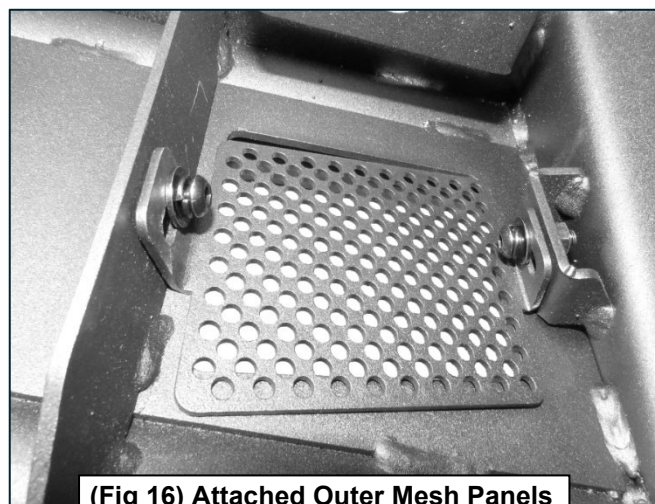


(Fig 14) Attached Center Mesh Panel

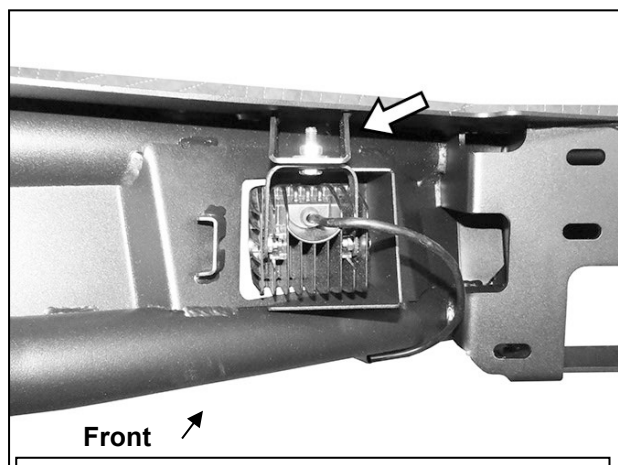
(2) 6mm Combo Bolts
(2) 6mm Flange Nuts



(Fig 15) Attach the Outer Mesh Panels to the tabs on the back of the Bumper

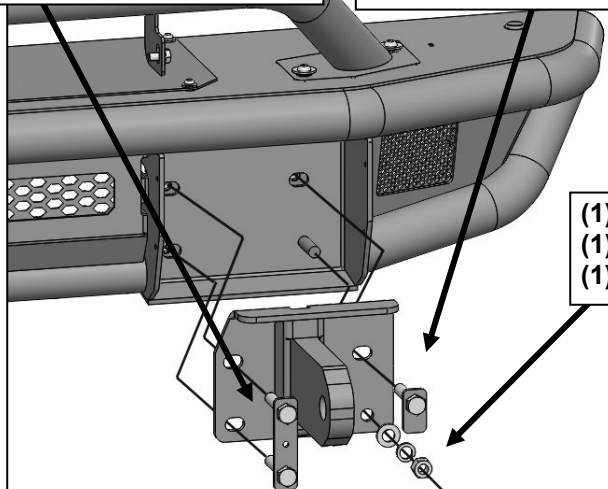


(Fig 16) Attached Outer Mesh Panels



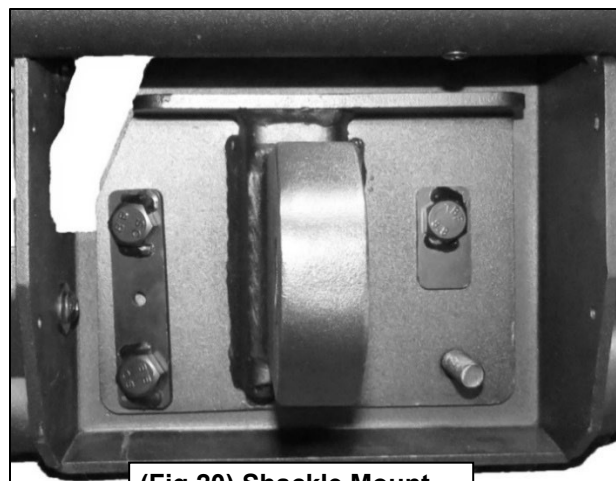
(Fig 17) Attach the cube light (not included) to the tab on the back of the Bumper

(1) 12mm Double Bolt Plate (1) 12mm Single Bolt Plate



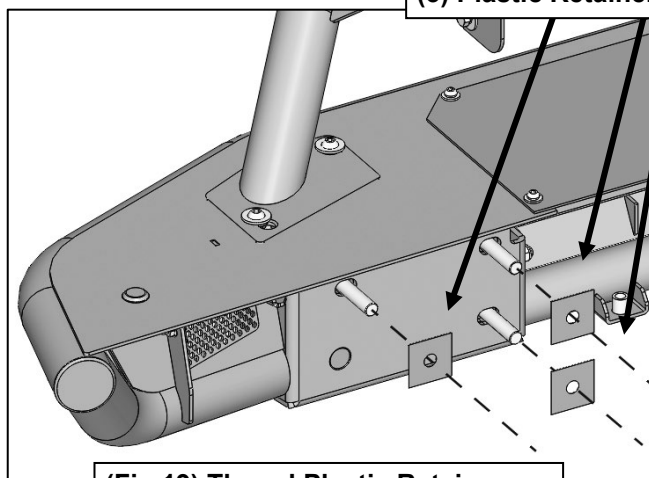
(1) 12mm Flat Washer
(1) 12mm Lock Washer
(1) 12mm Hex Nut

(Fig 18) Attach Shackle Mount to threaded stud on Bumper. Insert Single Bolt Plate through top inner mounting slot and Double Bolt Plate on the other side



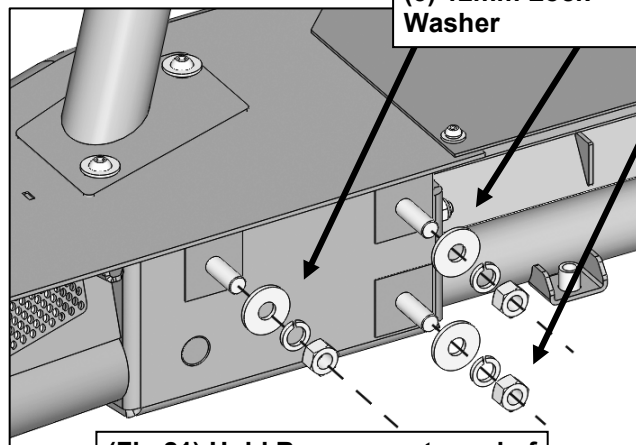
(Fig 20) Shackle Mount with Bolt Plates attached

(3) Plastic Retainers

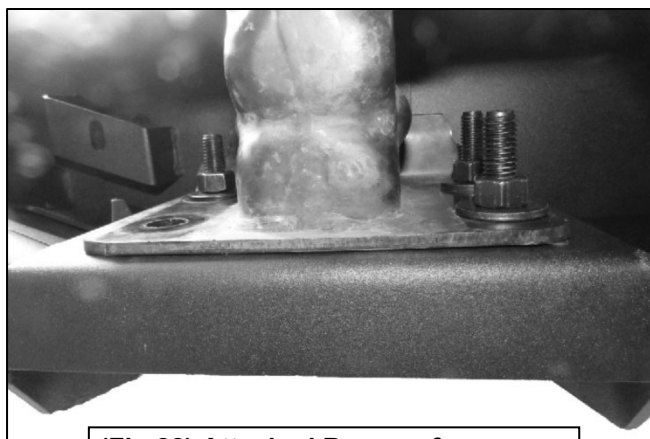


(Fig 19) Thread Plastic Retainers onto both Bolt Plates to hold them in place for Bumper installation

(3) 12mm Flat Washer
(3) 12mm Lock Washer



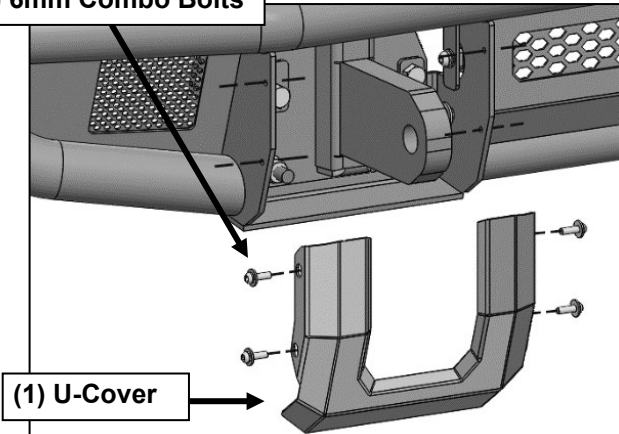
(Fig 21) Hold Bumper up to end of frame. Guide Bolt Plates in Bumper through threaded inserts



(Fig 22) Attached Bumper from rear

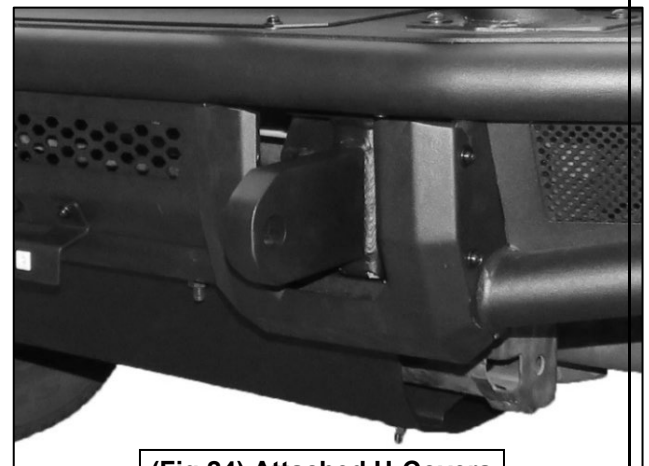
Follow (Fig 23 – 28) to attach U-Covers and License Plate Bracket to Bumper. Ensure Bumper is level, then tighten all hardware.

(4) 6mm Combo Bolts



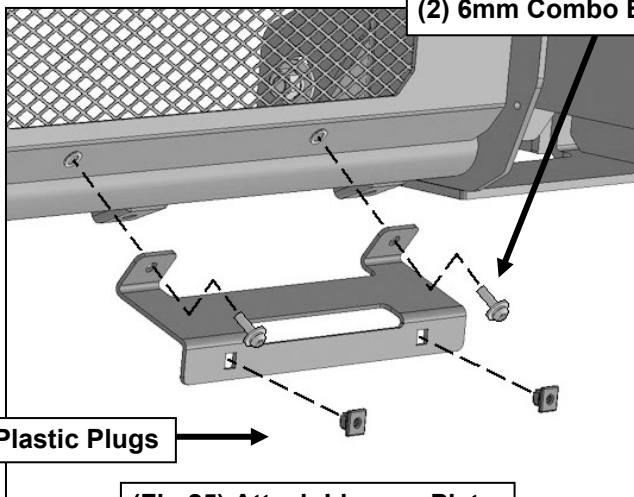
(1) U-Cover

(Fig 23) Once Bumper is fully installed and hardware fully tightened, install U-Covers



(Fig 24) Attached U-Covers

(2) 6mm Combo Bolts

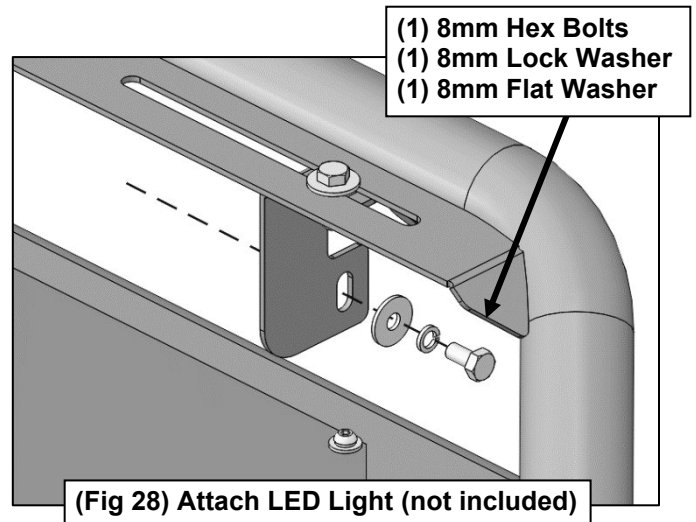
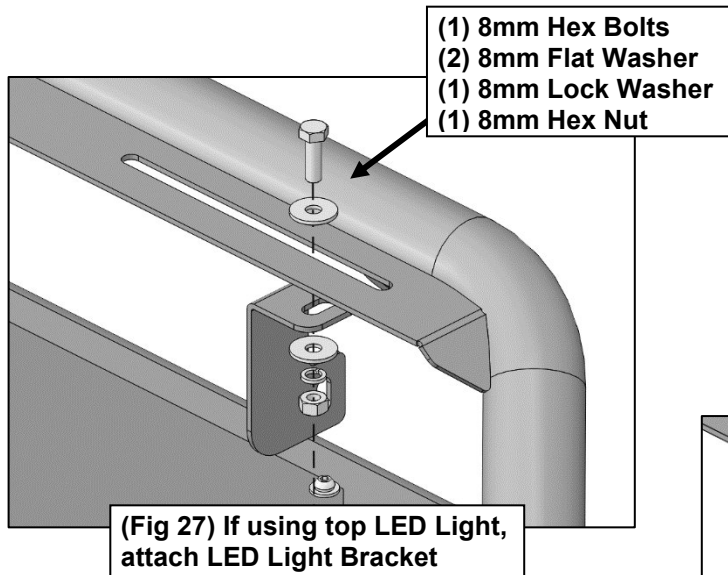


(2) Plastic Plugs

(Fig 25) Attach License Plate Bracket to front of Bumper



(Fig 26) Attached License Plate Bracket



4

Ensure Bumper is level and all fasteners are tightened at this point. Installation is complete. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

