

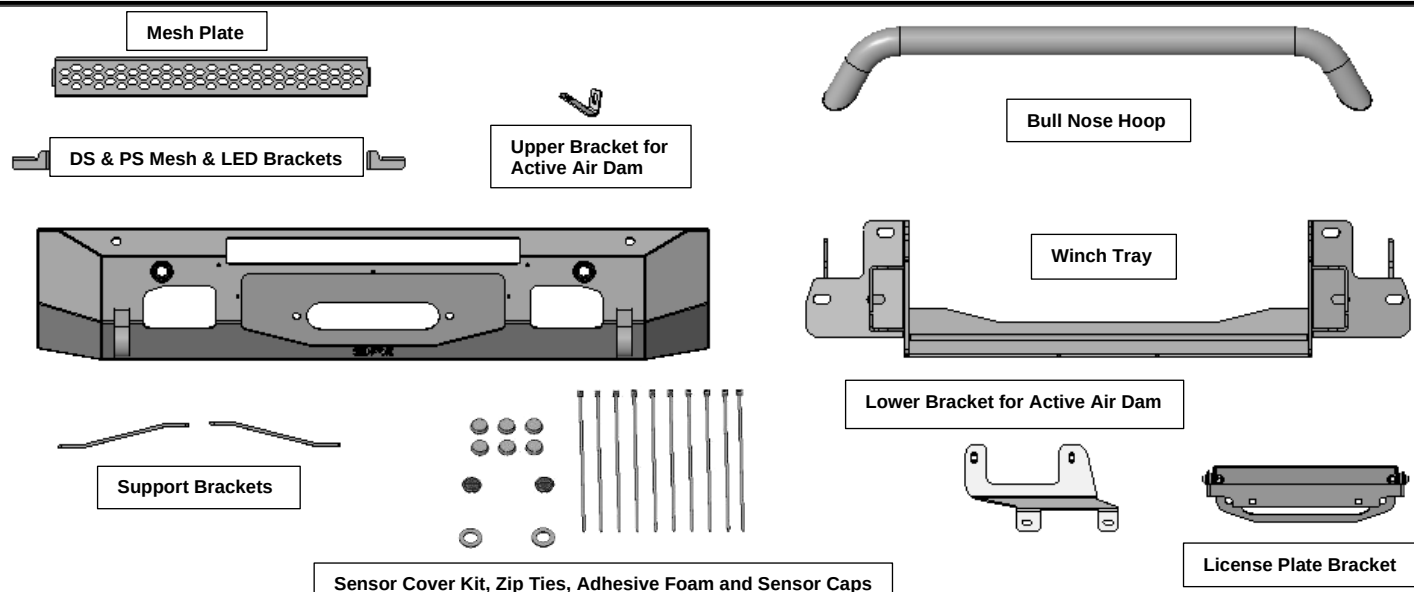


INSTALLATION INSTRUCTIONS

2022-2026 TOYOTA TUNDRA HILINE FRONT WINCH BUMPER PART #TN-19340

PARTS LIST:

Description	QTY	Description	QTY
Bumper	1	12-1.75mm x 40mm Hex bolt	4
Winch Tray	1	12mmx 32mm x 3mm Flat washer	12
Bull Nose Hoop	1	10mm x 24mm x 2.2mm Flat washer	8
PS LED Light Bar/ Mesh Plate Mounting Bracket	1	Square plug	2
DS LED Light Bar/ Mesh Plate Mounting Bracket	1	Zip ties	10
S=4 Allen wrench	1	12mm Triple bolt plate	2
S=5 Allen wrench	1	Sensor cover kit(6pcs)	6
S=6 Allen wrench	1	Sensor Cap	2
8mm Lock washer	6	D25-d15.5 adhesive foam	2
10mm Lock washer	4	Nut plate	2
12mm Lock washer	12	Support bracket	2
8mm x 24mm x 2mm Flat washer	12	Spacer for Frame Mount	2
12mm x 37mm x 3mm Flat washer	2	Bracket for Active Air Dam Motor	1
10-1.5mm x 30mm Button Head Bolt	2	Support Bracket for Active Air Dam Motor	1
8mm Nylon lock nut	2	Shim plate	2
10mm Nylon lock nut	2	6mm Nylon lock nut	2
8mm Hex nut	4	8mm Nylon lock nut	1
12mm Hex nut	10	6-1.0mm x 50mm Hex bolt	1
12-1.75mm x 110mm Hex bolt	2	8-1.25mm x 50mm Hex bolt	1
8-1.25mm x 16mm Hex bolt	2	6mmx20mm button head Allen bolt	1
8-1.25x 25mm Hex bolt	6	6mmx20mm Combo kit	3
8-1.25mm x 40mm Hex bolt	2	8mm x 24mm x 2mm Flat washer	2
10-1.5mm x 25mm Hex bolt	2	6mm x 18mm x 1.6mm Flat washer	4
10-1.75mm x 35mm Hex bolt	2	License Plate Mounting Bracket	1
		Mesh Plate	1
		Tube Spacer	2



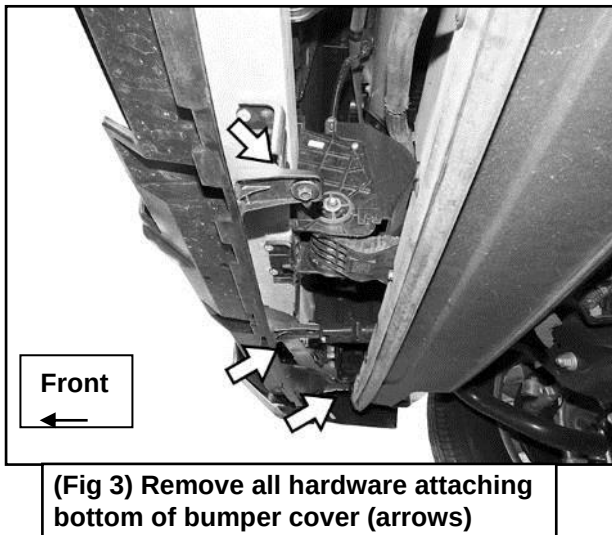
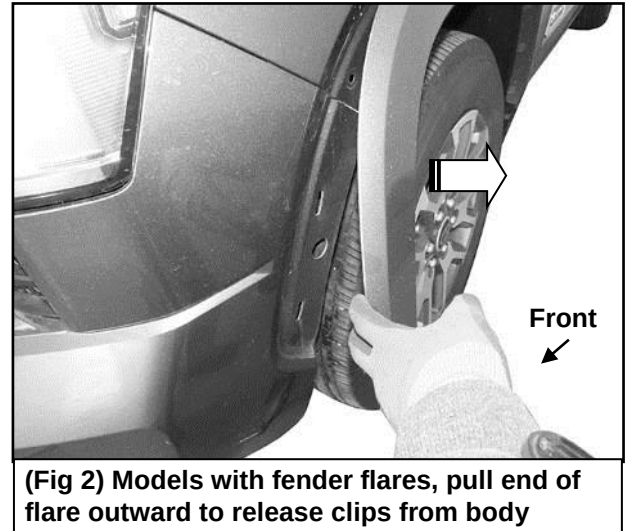
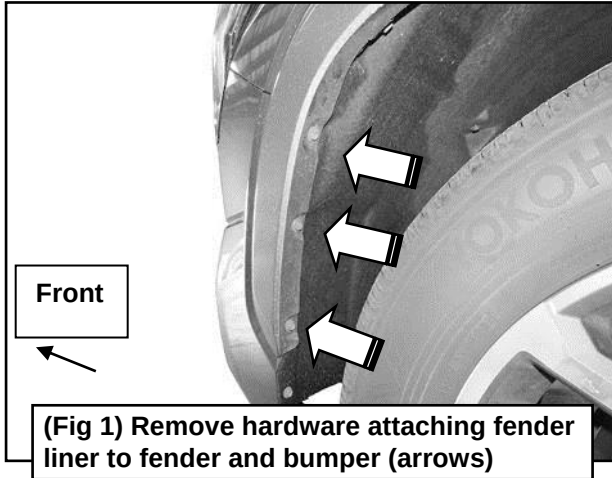
TOOLS REQUIRED

 Ratchet	 13mm 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 (1-36) to remove the front fascia and install the winch tray.

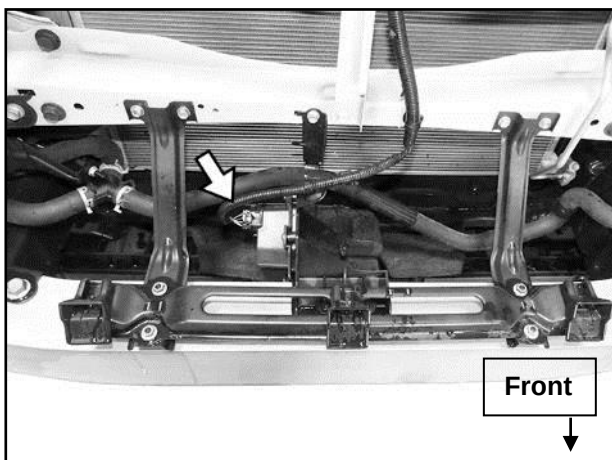




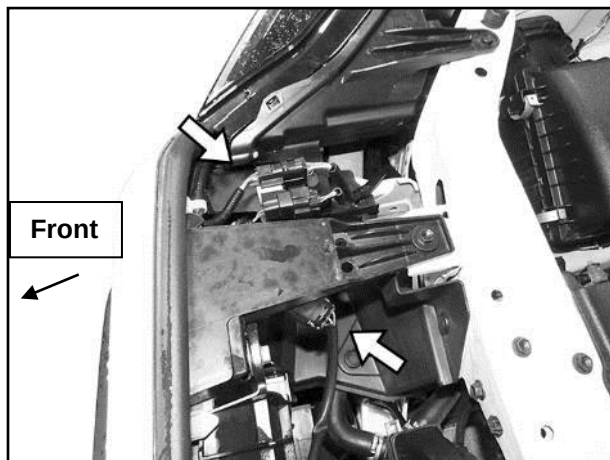
(Fig 5) Remove center body panel (fascia)



(Fig 7) Remove all hardware attaching top of grille and bumper cover to radiator core support (arrows) and remove grille/bumper cover assembly



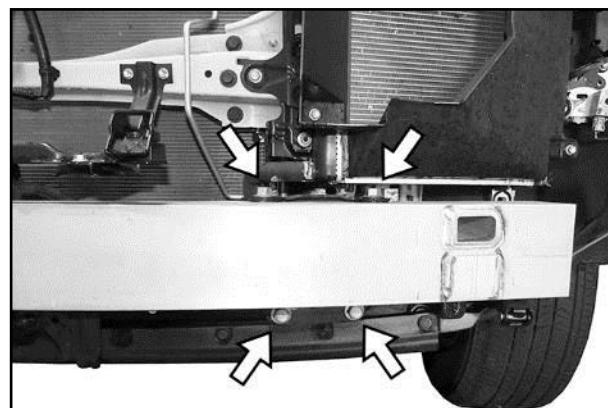
(Fig 9) Unplug active air dam motor (arrow)



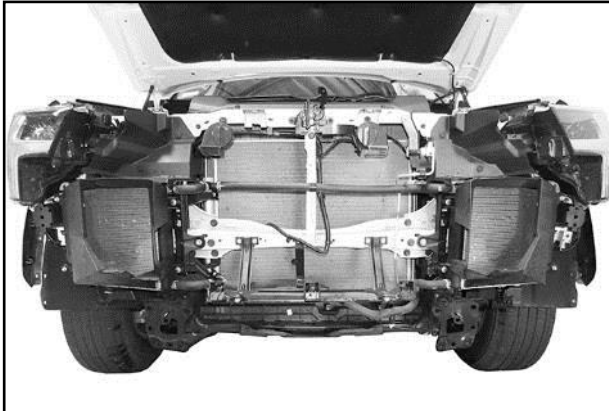
(Fig 6) Unplug all wiring harnesses leading to front bumper (passenger/right side pictured)



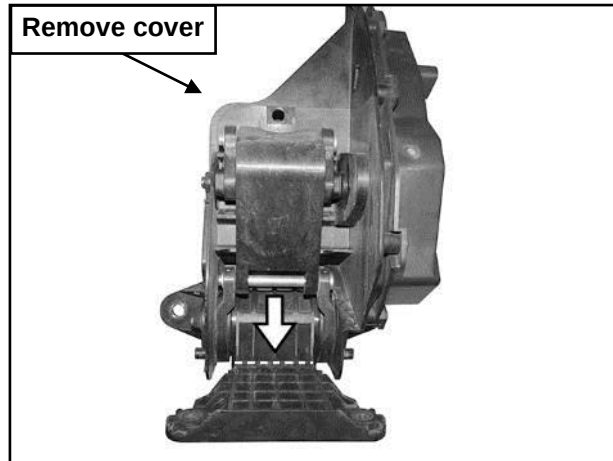
(Fig 8) Grille/bumper cover assembly removed



(Fig 10) Remove aluminum impact bumper from end of frame (arrows-driver/left side pictured)



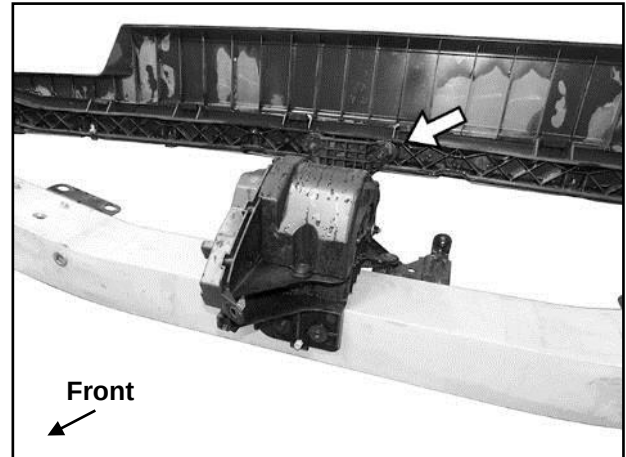
(Fig 11) Bumper, grille and impact bumper removed



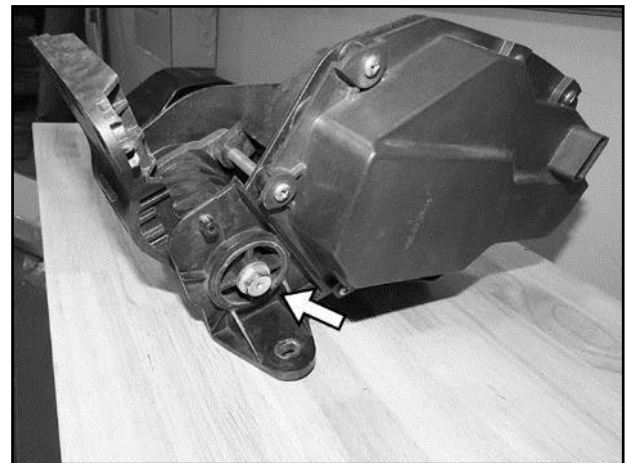
(Fig 13) Cut mounting tab off of drum (dashed line). Optional, disassemble motor to cut tab off of drum (see Fig 13-18)



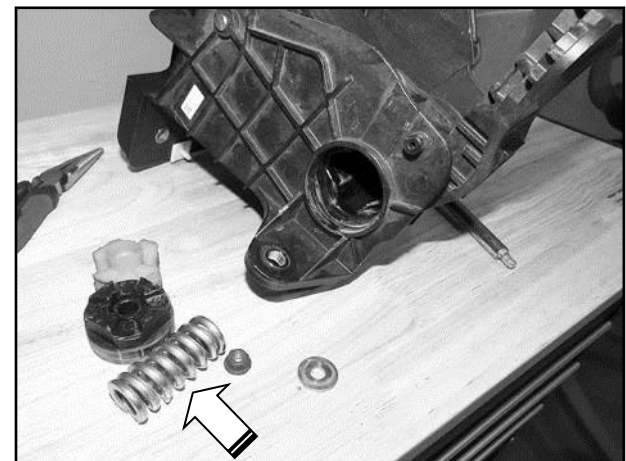
(Fig 15) Remove outer covers and inner drive from both sides



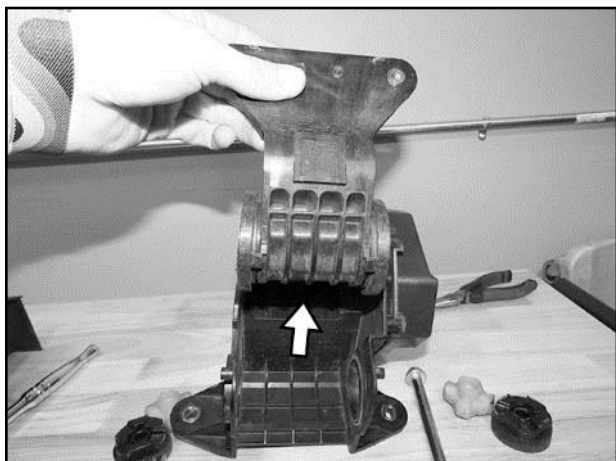
(Fig 12) Remove active air dam and motor assembly from impact bumper



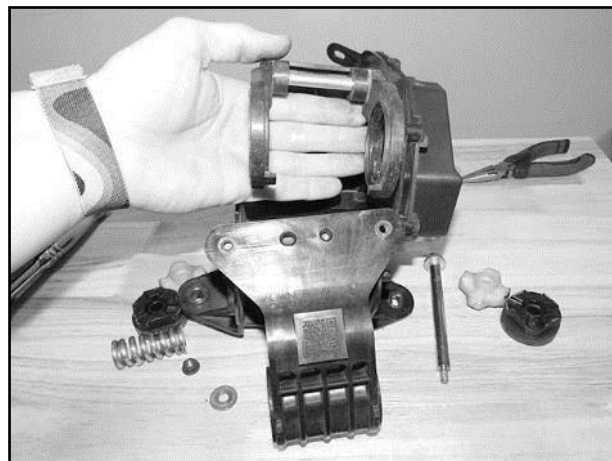
(Fig 14) Remove long pivot bolt (arrow)



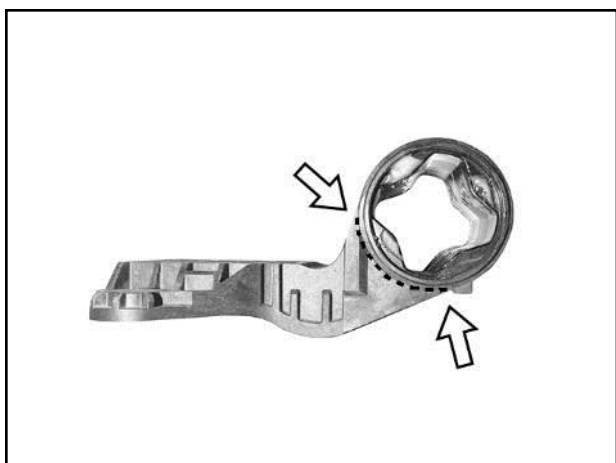
(Fig 16) Remove inner drive spring



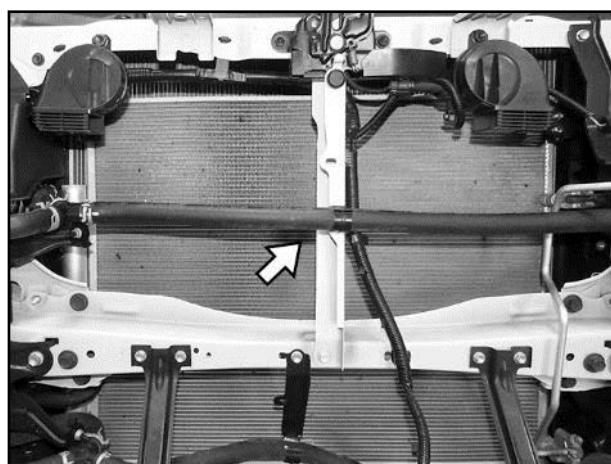
(Fig 17) Slide air dam bracket out of mount



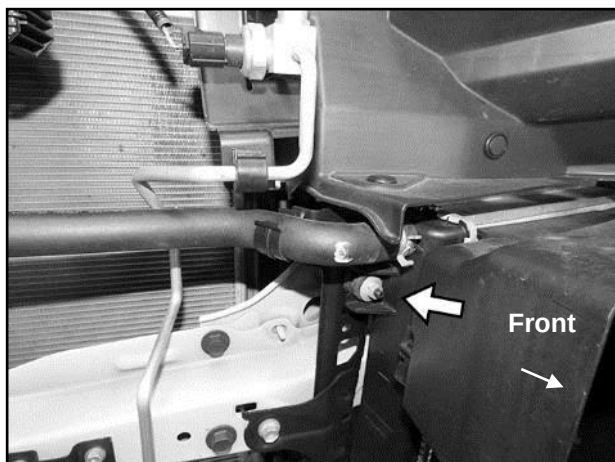
(Fig 18) Slide air dam bracket out of mount



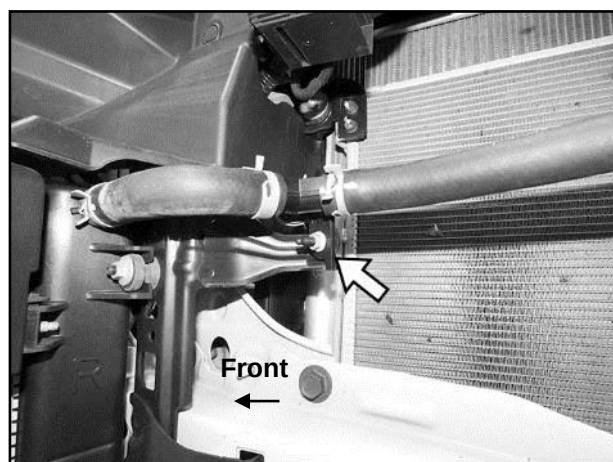
(Fig 19) Cut bracket off drum (arrows).
Reinstall drum section only



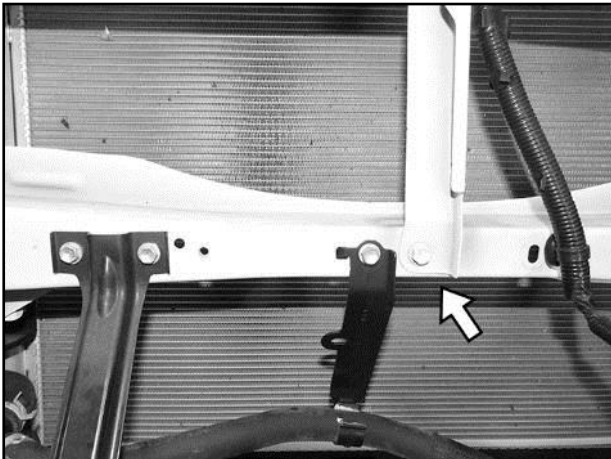
(Fig 20) Release hose from center support (arrow)



(Fig 21) Remove hex nut attaching
driver/left hose mounting bracket (arrow)



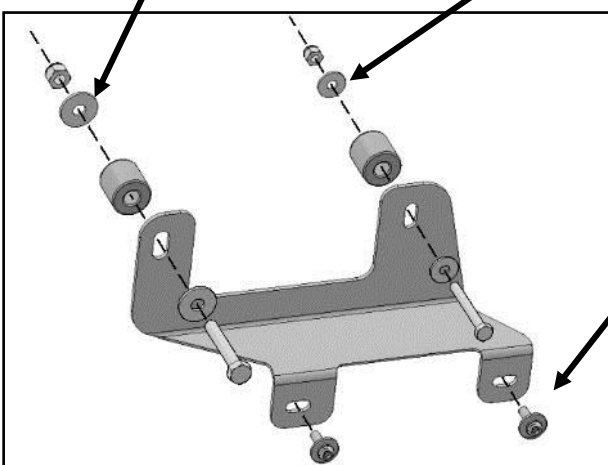
(Fig 22) Remove hex nut attaching
passenger/right hose mounting bracket (arrow)



(Fig 23) Remove hex bolt attaching bottom of center support to crossmember (arrow)

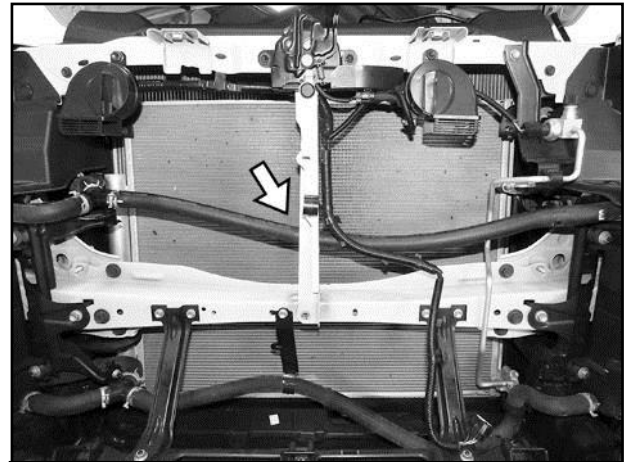
(1) 8mm x 50mm Hex Bolt
(2) 8mmx24mmx2mm Flat Washers
(1) 8mm Nylon Lock Nut

(1) 6mmx50mm Hex Bolt
(2) 6mmx18mmx1.6mm Flat Washers
(1) 6mm Nylon Lock Nut

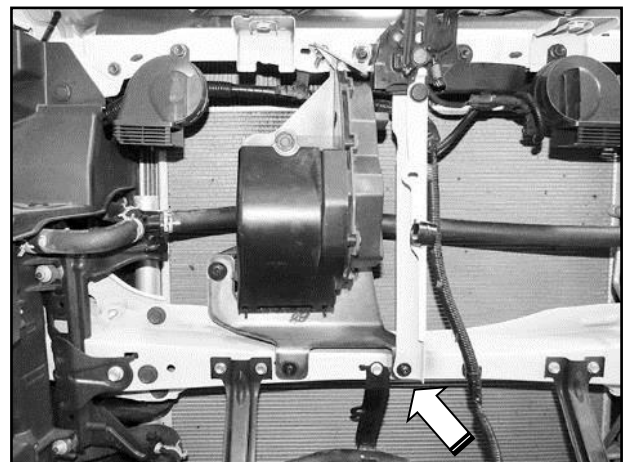


(Fig 25) Attach air dam motor to back of Relocation Bracket. Insert Spacers between back of Bracket and air dam motor

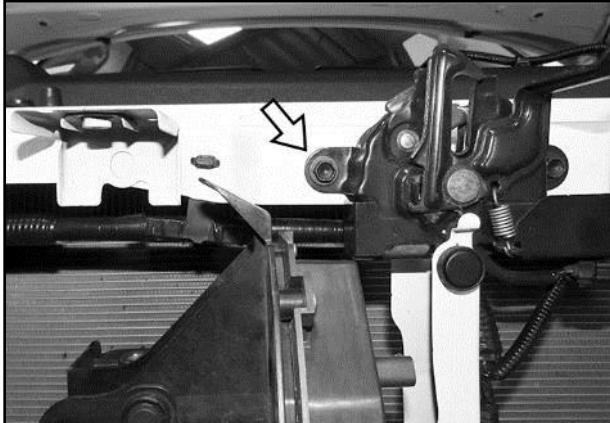
(2) 6mm Button Head Combo Bolts



(Fig 24) Move hose under and behind center support (arrow) Reattach hose brackets

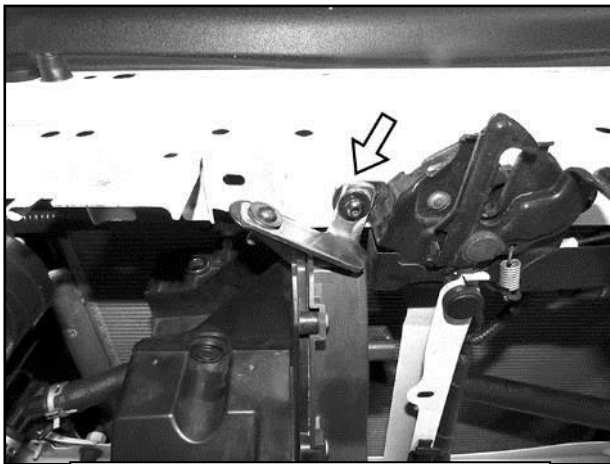


(Fig 26) Attach air dam motor Relocation Bracket to front of crossmember. Insert Bracket between center support and crossmember (arrow)

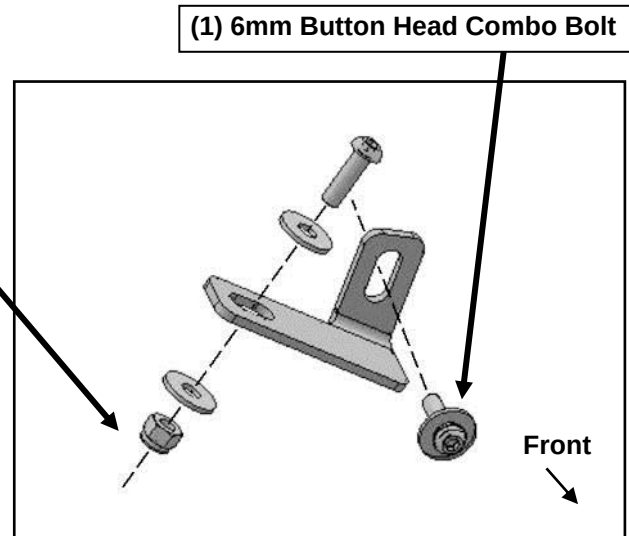


(Fig 27) Remove the hex bolt attaching hood release to core support (arrow)

- (1) 6mm x 20mm Button Head Bolt
- (2) 6mmx18mmx1.6mm Flat Washers
- (1) 6mm Nylon Lock Nut

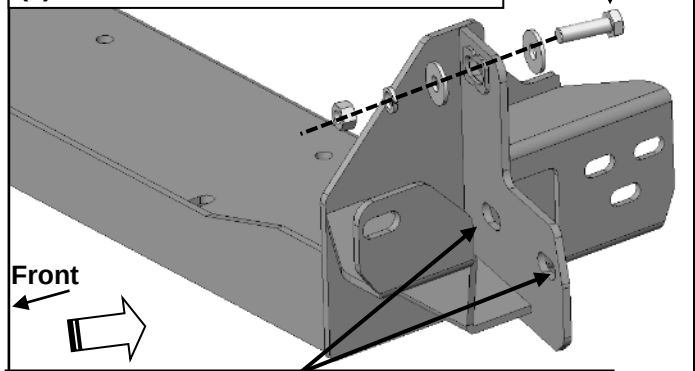


(Fig 29) Attach Top Support Bracket to motor and core support



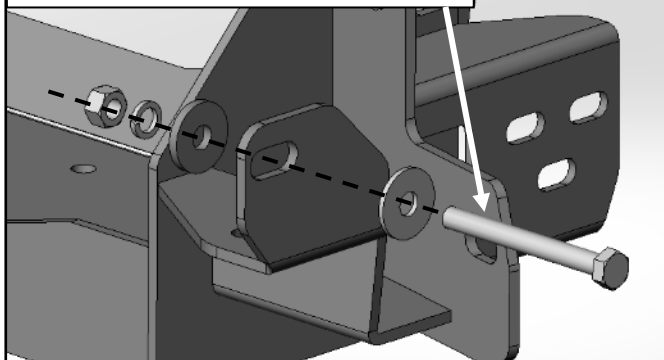
(Fig 28) Attach Top Support Bracket to motor and core support

- (1) 12mmx40mm Hex Bolt
- (2) 12mmx32mmx3mm Flat Washers
- (1) 12mm Lock Washer
- (1) 12mm Hex Nut



(Fig 30) Reuse (2) factory hex bolts to attach bottom of Winch Tray to end of frame (arrow). Driver/left side of Winch Tray illustrated

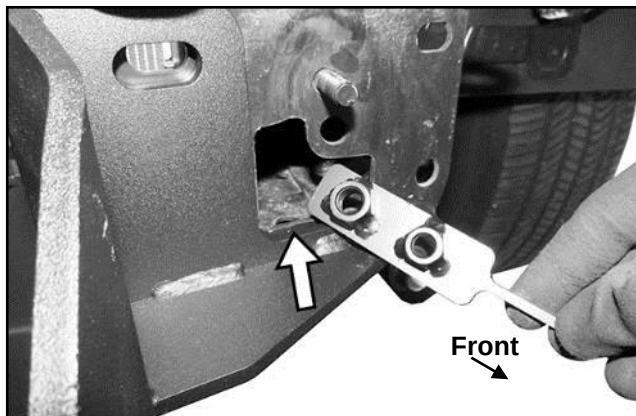
- (1)12mmx110mm Hex Bolt
- (1)12mmx37mmx3mm Flat Washer
- (1)12mmx37mmx5mm Flat Washer
- (1)12mm Lock Washer
- (1)12mm Lock Nut



(Fig 31) Attach tab on Winch Tray to side of frame

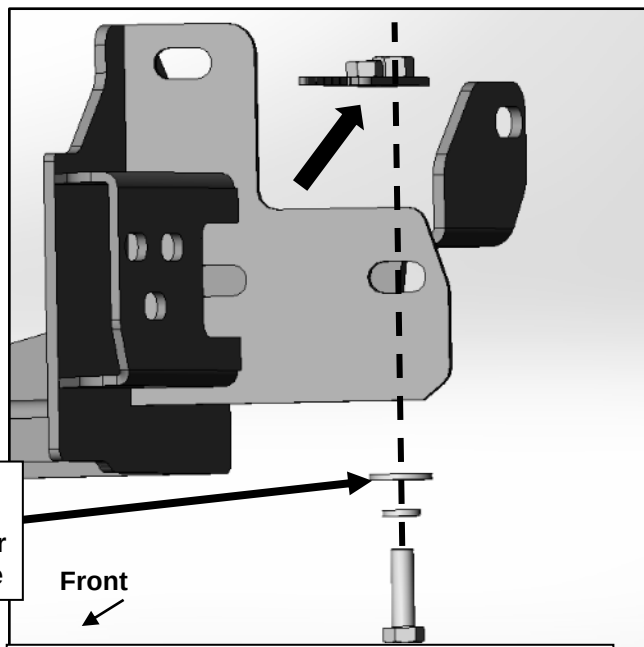


(Fig 32) Tab mounted to the vehicle



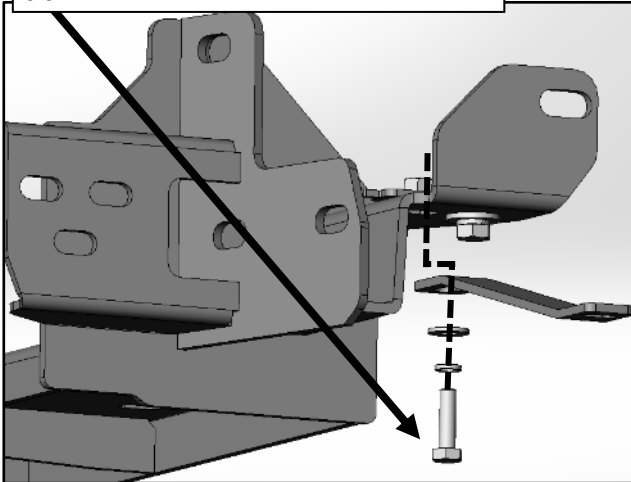
(Fig 33) Insert Double Nut Plate into end of frame. Line up Nut Plate with holes in frame

- (1)12mmx40mm Hex Bolt
- (1)12mm Lock Washer
- (1)12mmx32mmx3mm Flat Washer
- (1)12mm&10mm Double Bolt Plate

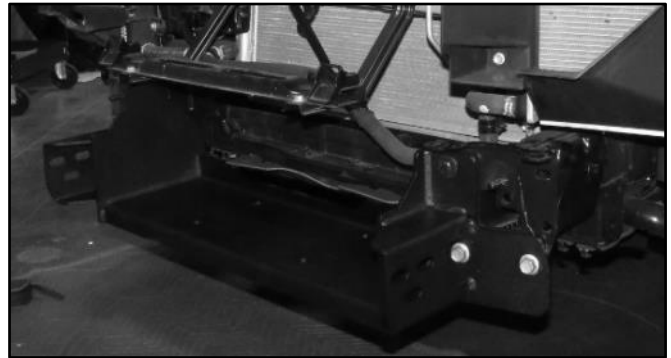


(Fig 34) Attach Winch Tray to bottom of frame and Nut Plate

- (1)10mm x35mm Hex Bolt
- (1)10mm Lock Washer
- (1)10mmx24mmx2.2mm Flat Washer

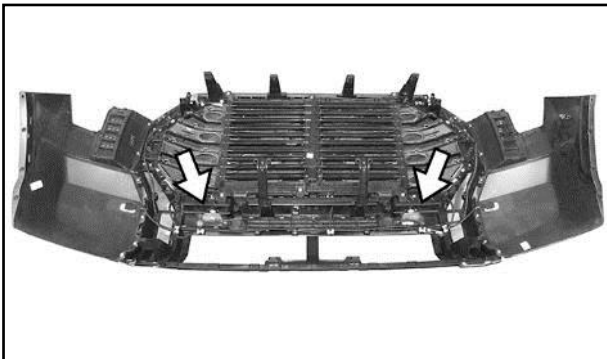


(Fig 35) Attach inner end of Bumper Support Bracket to bottom of frame and Nut Plate



(Fig 36) Winch tray installed

2 Follow Fig (37-47) to dismantle the plastic trim and to trim the plastic components.



(Fig 37) Remove inner sensors (arrows). Release wiring harnesses from clips to move before cutting plastic bumper

Remove the bottom and center black plastic panels along with the small side painted pieces



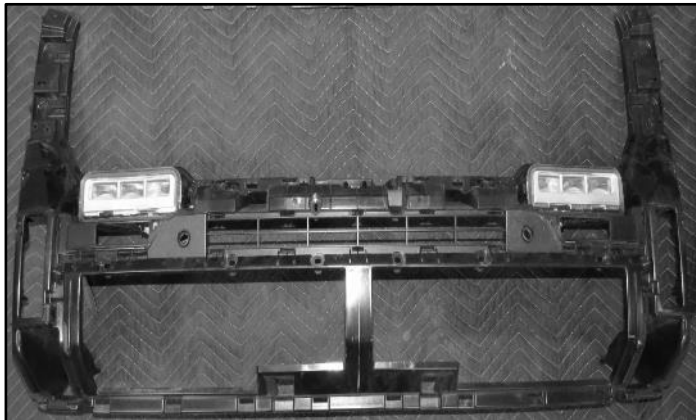
(Fig 39) Side panel can now be



(Fig 38) Three screws need to be removed on the inside of the factory bumper on each side before the painted pieces can be removed

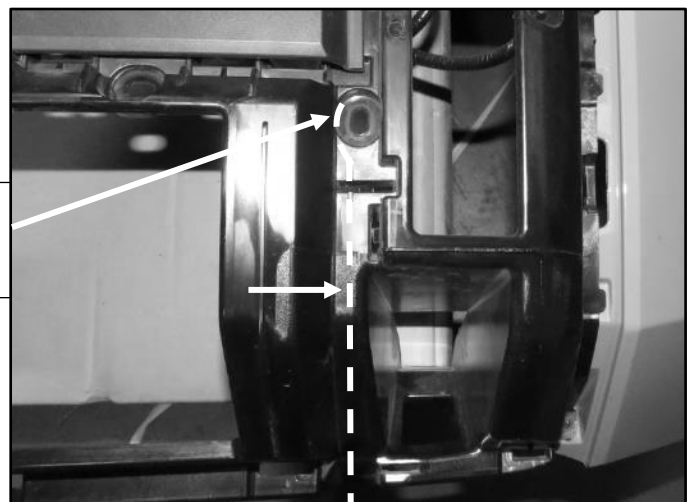


(Fig 40) Lower cover should've been removed from earlier steps (Refer to fig 4)



(Fig 41) Center plastic

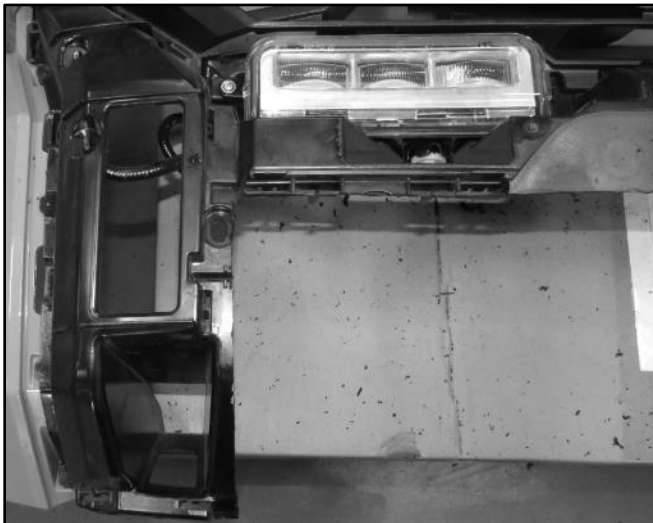
Note: Make sure not to cut into the hole for the wire harness, cut around



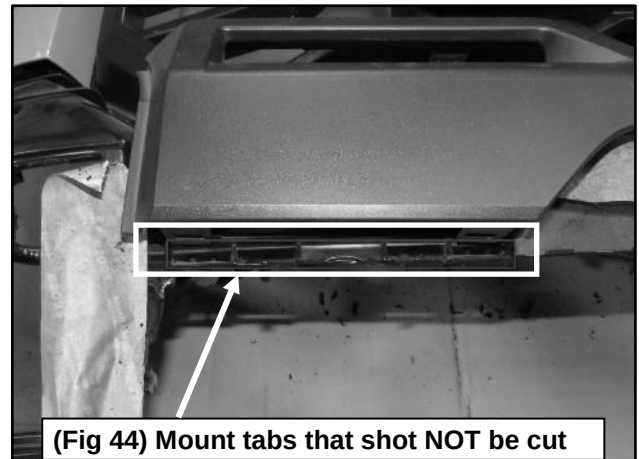
(Fig 42) Begin trimming about 10mm or 3/8 in out from the plastic bend



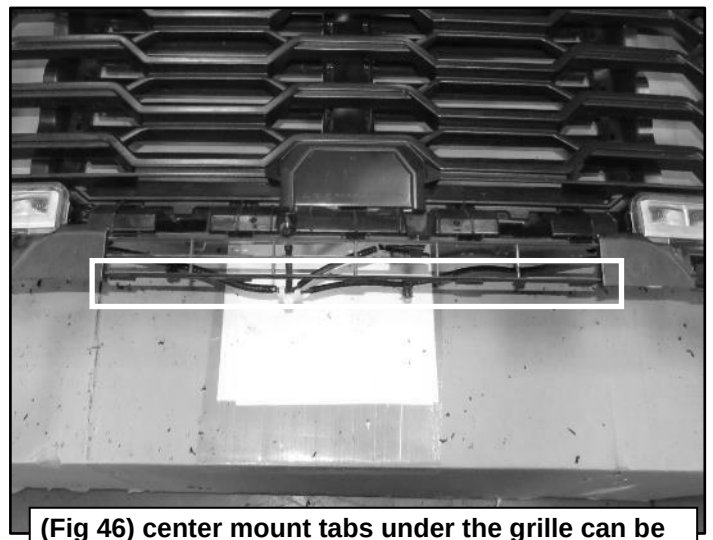
(Fig 43) Begin trimming the center plastic as depicted, make sure to NOT cut off the mount tabs under the fog lights as they secure the top plastic panel



(Fig 45) Plastic trim already cut



(Fig 44) Mount tabs that shot NOT be cut



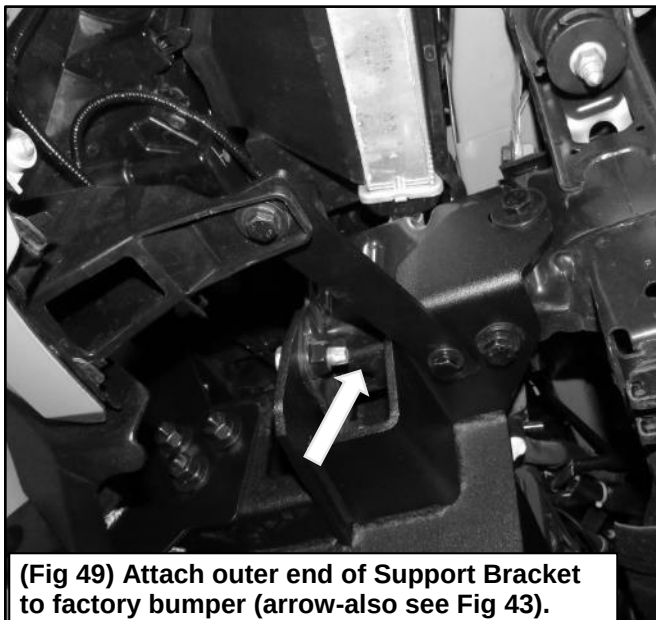
(Fig 46) center mount tabs under the grille can be



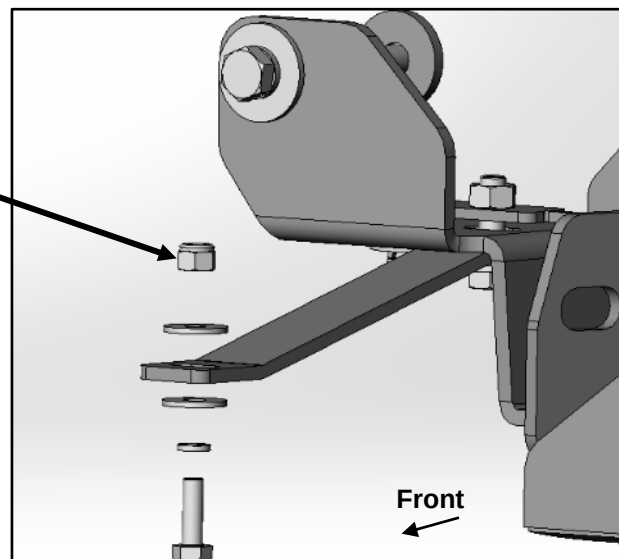
(Fig 47) Reinstall trimmed front fascia

- 3** Please follow fig (48-) to install the accessories to the bumper and then the bumper to the winch tray.

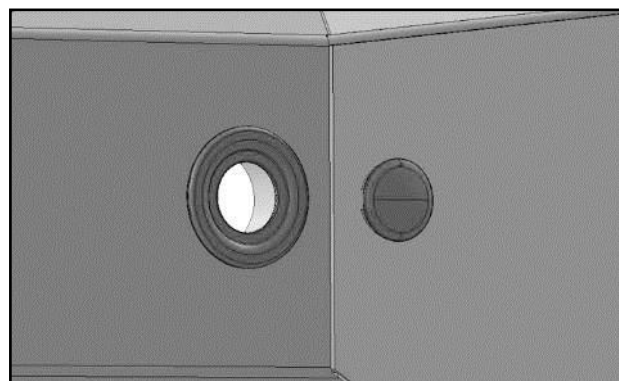
(1)8mm x 25mm Hex Bolt
(1)8mm Lock Washer
(2)8mmx24mmx2mm Flat Washer
(1)8mm Lock Nut



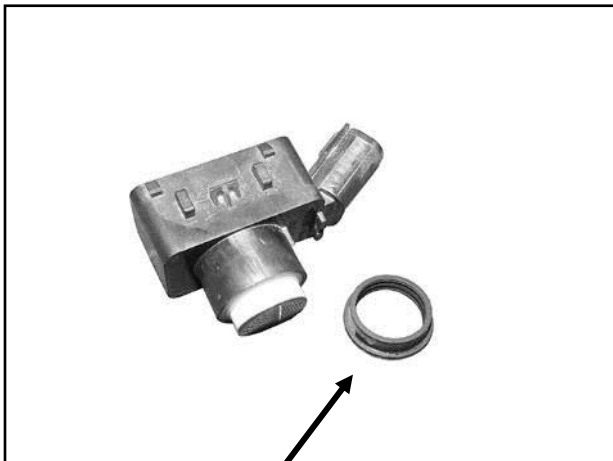
(Fig 49) Attach outer end of Support Bracket to factory bumper (arrow-also see Fig 43). Driver/left side pictured from behind bumper



(Fig 48) Attach outer end of Support Bracket to factory bumper (see Fig 44)



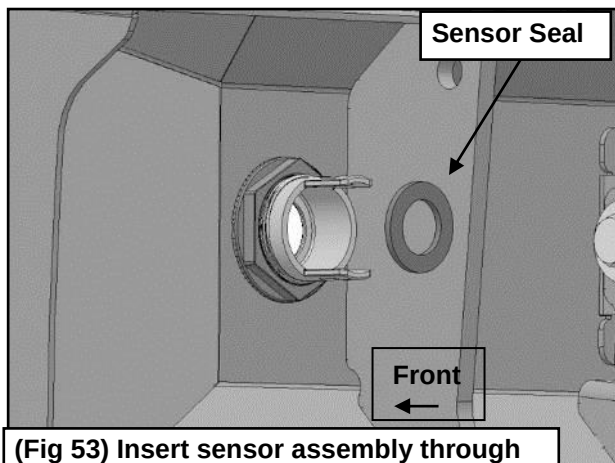
(Fig 50) Models without front sensors, push sensor plugs into mounts



(Fig 51) Remove bushings from end of sensors

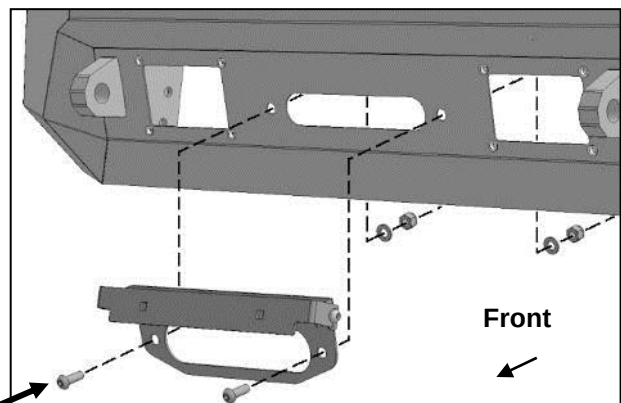


(Fig 52) Apply Foam Seals to end of sensors

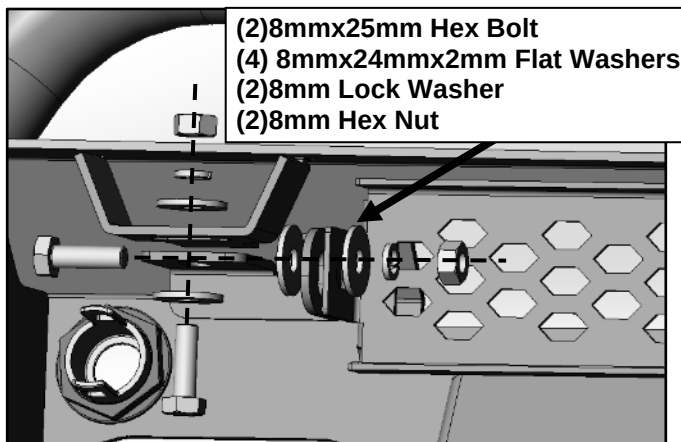


(Fig 53) Insert sensor assembly through the sensor mount on back of Bumper

- (2) 10mm x 30mm Button Head Bolts
- (4) 10mmx24mmx2.2mm Flat Washers
- (2) 10mm Nylon Lock Nuts

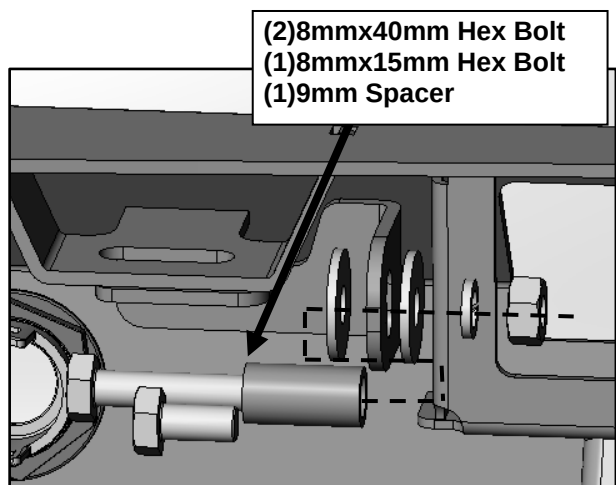


(Fig 54) Insert License Plate Bracket (if required) between cable guide and Bumper



(Fig 55) Attach mesh plate and brackets to bumper

- (2) 8mmx25mm Hex Bolt
- (4) 8mmx24mmx2mm Flat Washers
- (2) 8mm Lock Washer
- (2) 8mm Hex Nut

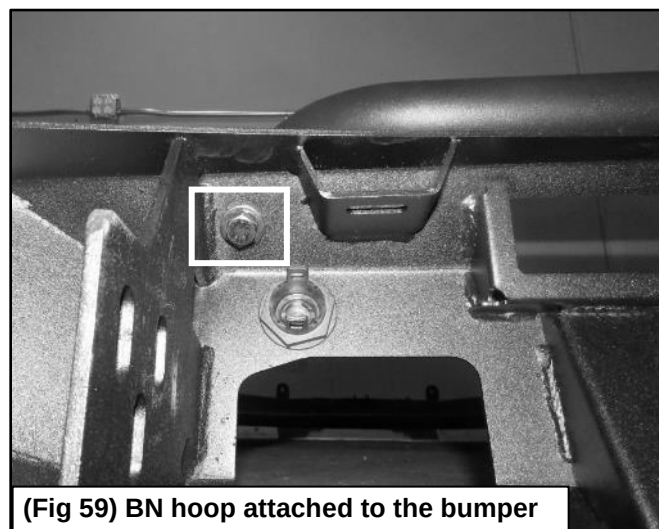


(Fig 56) Extra HW and spacer is meant for LED lights

- (2) 8mmx40mm Hex Bolt
- (1) 8mmx15mm Hex Bolt
- (1) 9mm Spacer



(Fig 57) Light bar installed with spacer

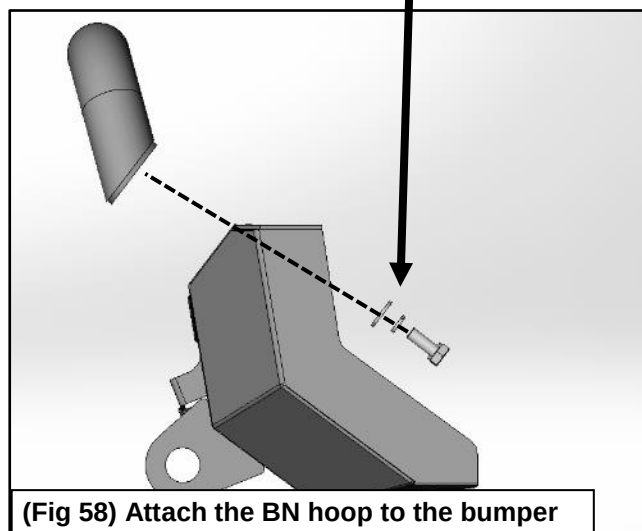


(Fig 59) BN hoop attached to the bumper



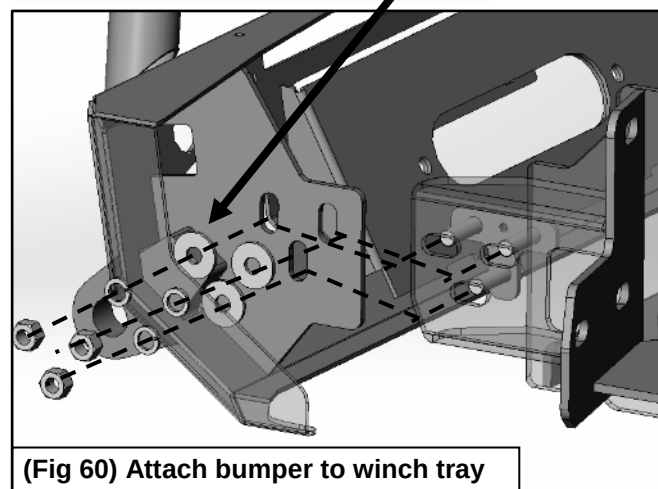
Bumper installed

- (1)10mmx25mm Hex Bolt
- (1)10mm Lock Washer
- (1)10mmx24mmx2.2mm Flat Washer



(Fig 58) Attach the BN hoop to the bumper

- (1)12mm Triple Bolt Plate
- (3)12mmx32mmx3mm Flat Washer
- (3)12mm Lock Washer
- (3)12mm Hex Nuts



(Fig 60) Attach bumper to winch tray