



# TYGER®

# TYGER FRONT BUMPER

TG-BP7T32428

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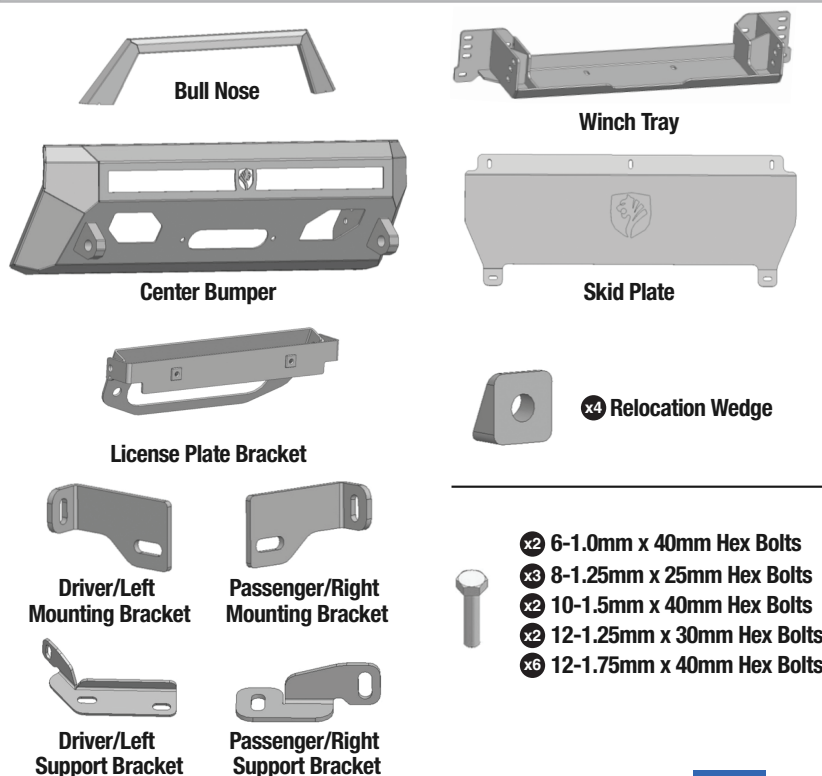
## BEFORE INSTALLATION

READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. REMOVE CONTENTS FROM BOX AND VERIFY ALL PARTS ARE PRESENT. FAILURE TO IDENTIFY DAMAGE BEFORE INSTALLATION COULD LEAD TO A REJECTION OF ANY CLAIM. IF MISSING PARTS OR ANY DAMAGE FOUND, PLEASE TAKE A PICTURE FOR THE CLAIM PURPOSE. TO FILE YOUR CLAIM, PLEASE VISIT: [WWW.TYGERAUTO.COM/CONTACT](http://WWW.TYGERAUTO.COM/CONTACT)

## TORQUE VALUES

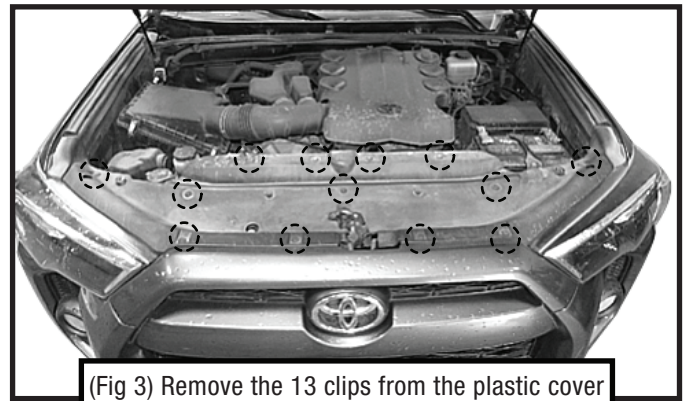
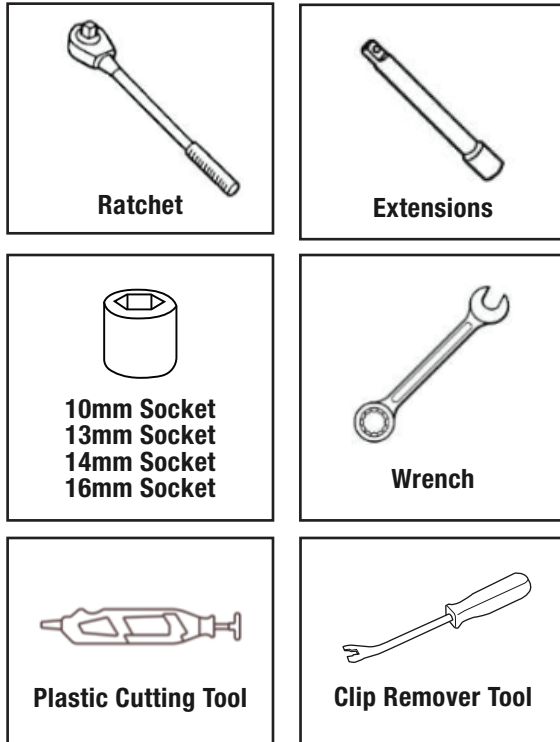
Fastener Size	Class 8.8 Torque (ft-lbs)	Class 10.9 Torque (ft-lbs)
6mm	6-7	6-7
8mm	15-16	22-23
10mm	31-32	44-45
12mm	54-55	78-79
14mm	87-88	125-126

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"><li>x1 TYGER Center Bumper</li><li>x1 Winch Tray Assembly</li><li>x1 Skid Plate</li><li>x1 Bull Nose</li><li>x1 Driver/left Mounting Bracket</li><li>x1 Passenger/right Mounting Bracket</li><li>x1 Driver/left Support Bracket</li><li>x1 Passenger/right Support Bracket</li><li>x1 License Plate Bracket</li><li>x2 Plastic Plugs for License Plate</li><li>x1 Foam for A/C line</li><li>x4 Relocation Wedges</li><li>x1 1700mm Edge Trim</li><li>x10 Zip Ties (2.75 x 1 x 200)</li></ul> | <ul style="list-style-type: none"><li>x2 6-1.0mm x 40mm Hex Bolts</li><li>x3 8-1.25mm x 25mm Hex Bolts</li><li>x2 10-1.5mm x 40mm Hex Bolts</li><li>x2 12-1.25mm x 30mm Hex Bolts</li><li>x6 12-1.75mm x 40mm Hex Bolts</li><li>x2 6mm x 12mm x 1.6mm Flat Washers</li><li>x14 8mm x 24mm x 2mm Flat Washers</li><li>x4 10mm x 20mm x 2mm Flat Washers</li><li>x4 10mm x 30mm x 2.5mm Flat Washers</li><li>x8 12mm x 24mm x 2.5mm Flat Washers</li><li>x4 8mm Hex Nuts</li><li>x2 10mm Hex Nuts</li></ul> | <ul style="list-style-type: none"><li>x1 4mm Hex Key</li><li>x1 5mm Hex Key</li><li>x1 6mm Hex Key</li><li>x2 6mm Lock Washers</li><li>x4 8mm Lock Washers</li><li>x2 10mm Lock Washers</li><li>x8 12mm Lock Washers</li><li>x3 8mm Nylon Lock Nuts</li><li>x2 10mm Nylon Lock Nuts</li><li>x4 8-1.25mm x 25mm Button Head Bolts</li><li>x2 10mm x 1.5mm x 30mm Button Head Bolts</li><li>x5 6-1.0mm x 20mm Button Head Combo Bolts</li><li>x1 DT Connector Wiring Harness</li></ul> |
|--|---|--|
- Light Bar Inner Box**
  - x1 Light Bar with Mounting Hardware
  - x1 Light Bar Cable
- ## Parts List

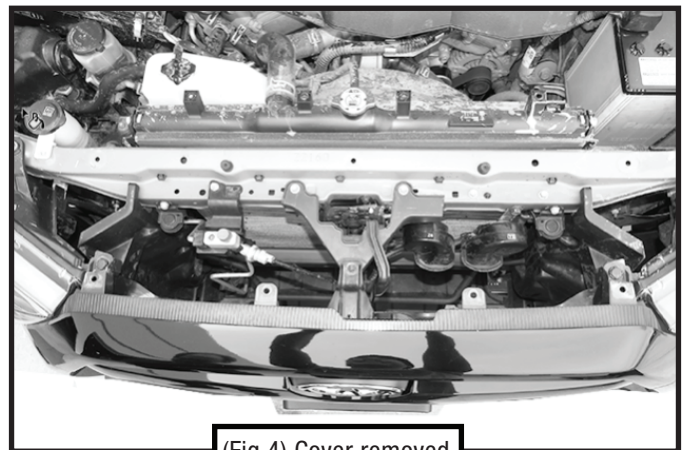


- x2 6mm x 12mm x 1.6mm Flat Washers
  - x14 8mm x 24mm x 2mm Flat Washers
  - x4 10mm x 20mm x 2mm Flat Washers
  - x4 10mm x 30mm x 2.5mm Flat Washers
  - x8 12mm x 24mm x 2.5mm Flat Washers
- 
- x2 6mm Lock Washer
  - x4 8mm Lock Washer
  - x2 10mm Lock Washer
  - x8 12mm Lock washers
- 
- x4 8mm Hex Nuts
  - x2 10mm Hex Nuts
  - x3 8mm Nylon Lock Nuts
  - x2 10mm Nylon Lock Nuts
- 
- x4 8-1.25mm x 25mm Button Head Bolts
  - x2 10mm x 1.5mm x 30mm Button Head Bolts
- 
- x5 6-1.0mm x 20mm Button Head Combo Bolts

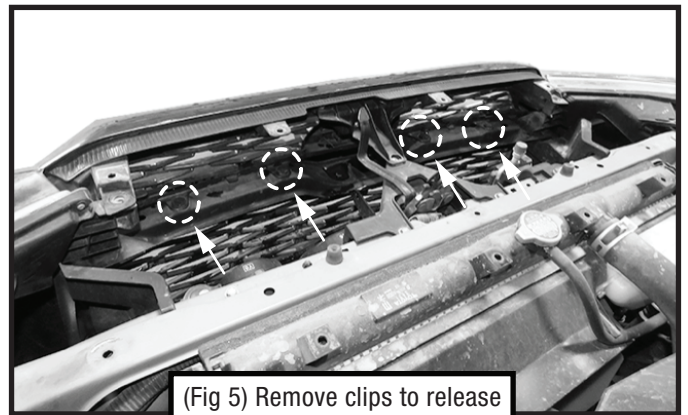
## TOOLS REQUIRED



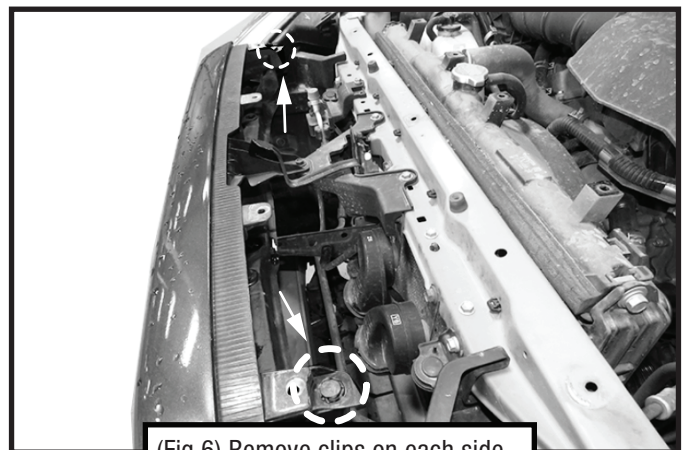
(Fig 3) Remove the 13 clips from the plastic cover on top of radiator to remove the cover



(Fig 4) Cover removed



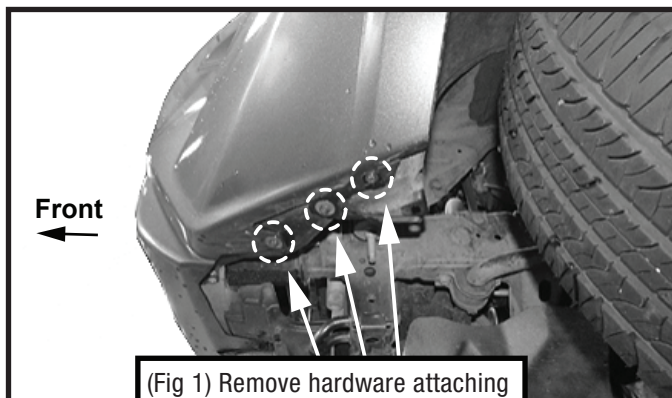
(Fig 5) Remove clips to release grille from cross member



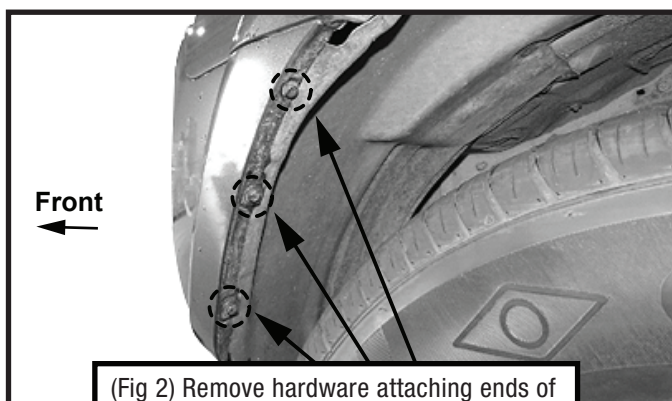
(Fig 6) Remove clips on each side to release grille from upper section

## STEP 1 REMOVE FACTORY FRONT BUMPER ASSEMBLY

Follow (Figs 1 – 12) to remove Front Bumper Assembly.

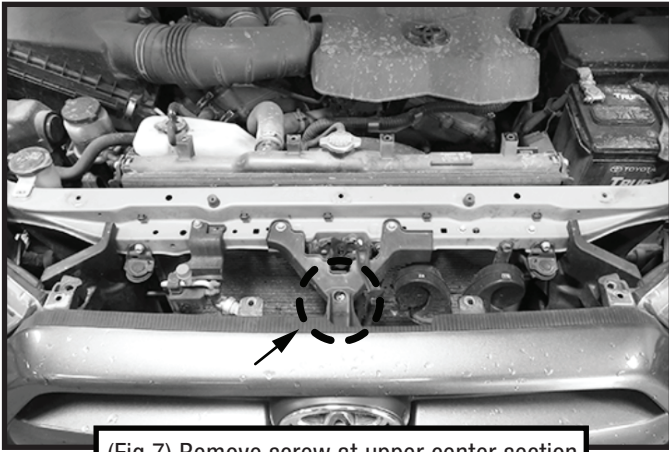


(Fig 1) Remove hardware attaching bottom of plastic bumper cover

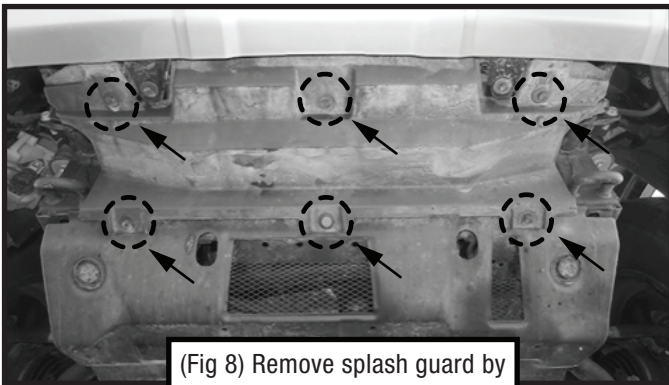


(Fig 2) Remove hardware attaching ends of plastic bumper cover along wheel openings

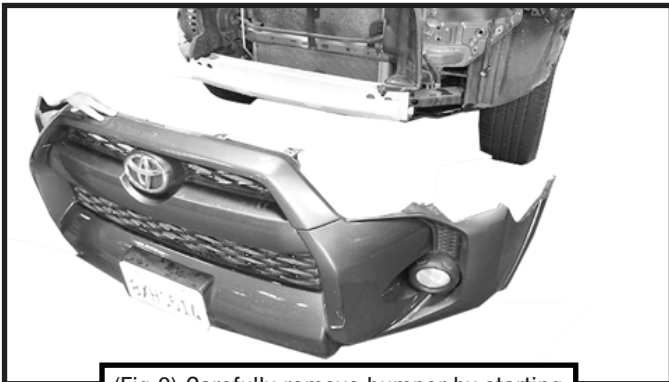




(Fig 7) Remove screw at upper center section



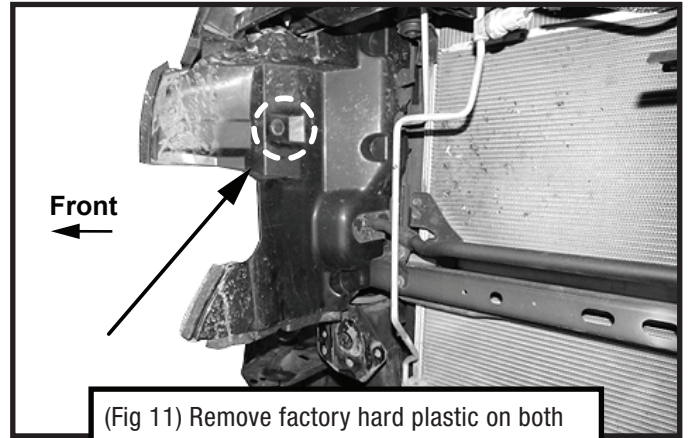
(Fig 8) Remove splash guard by removing indicated fasteners



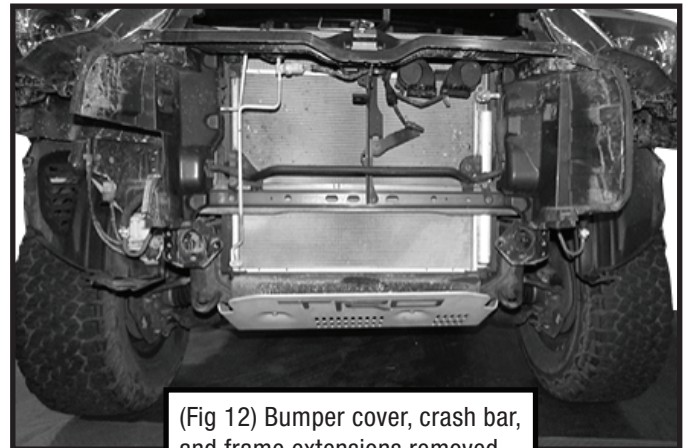
(Fig 9) Carefully remove bumper by starting at sides and moving towards center



(Fig 10) Remove crash bar and frame extensions by uninstalling four factory bolts from the bracket face plate shown in (Fig 13)



(Fig 11) Remove factory hard plastic on both sides by removing clips indicated by the arrow



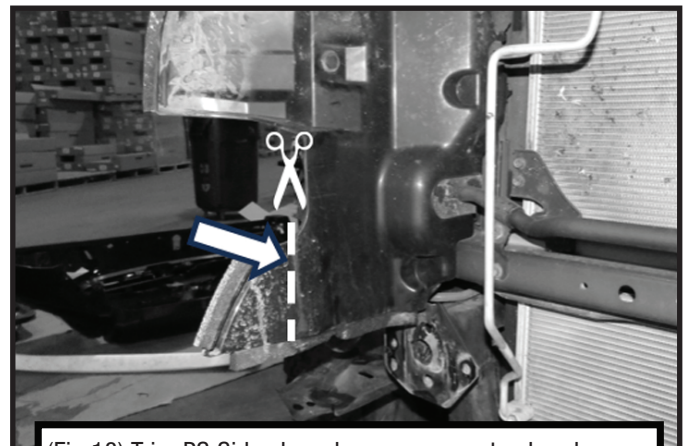
(Fig 12) Bumper cover, crash bar, and frame extensions removed



(Fig 12a) Optional: Use provided Zip Ties to organize any wiring and tubing as needed.

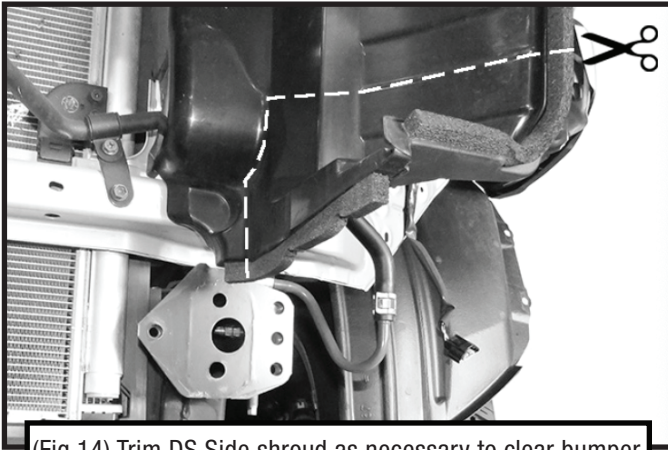
## STEP 2 TRIMMING SIDE SHROUDS

Follow (Figs 13 – 14) to trim both Passenger and Driver sides shrouds.



(Fig 13) Trim PS Side shroud as necessary to clear bumper

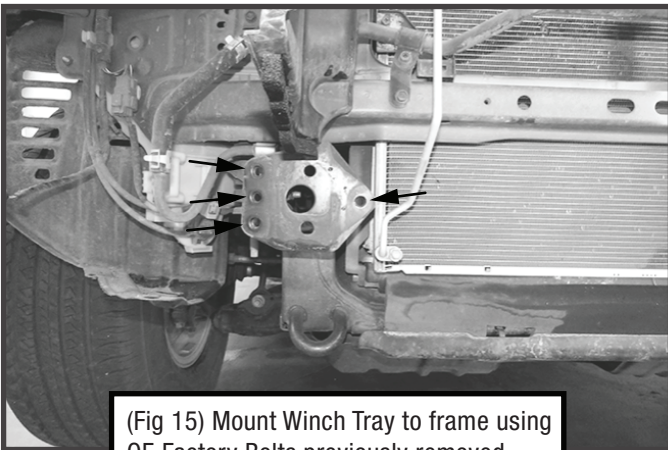




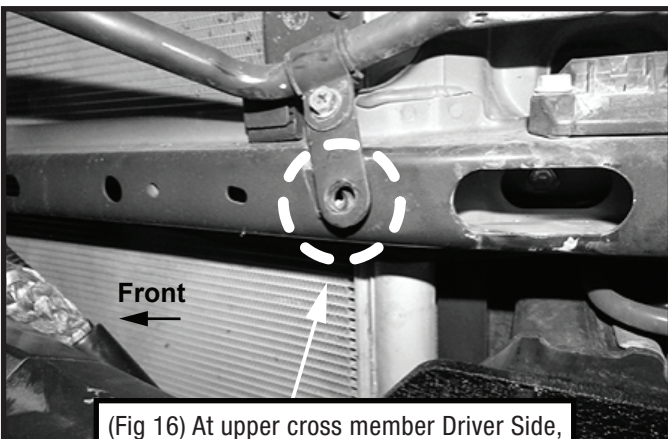
(Fig 14) Trim DS Side shroud as necessary to clear bumper

### STEP 3 WINCH TRAY & A/C LINE

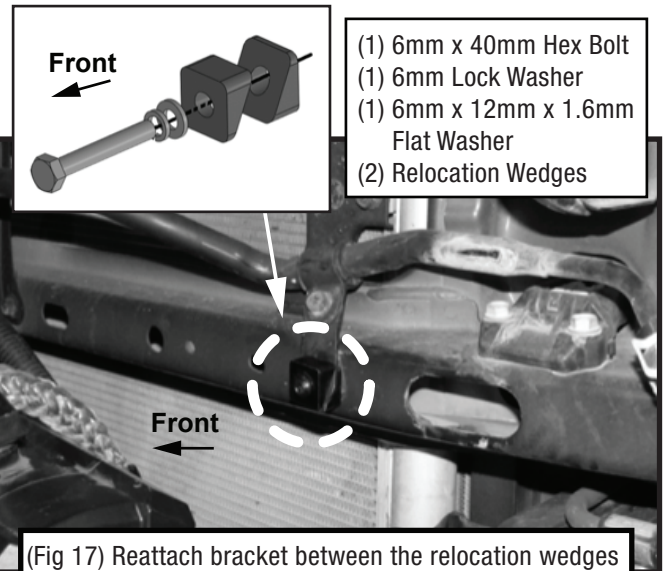
Follow (Figs 15 – 18) to install Winch Tray and relocate AC Line.



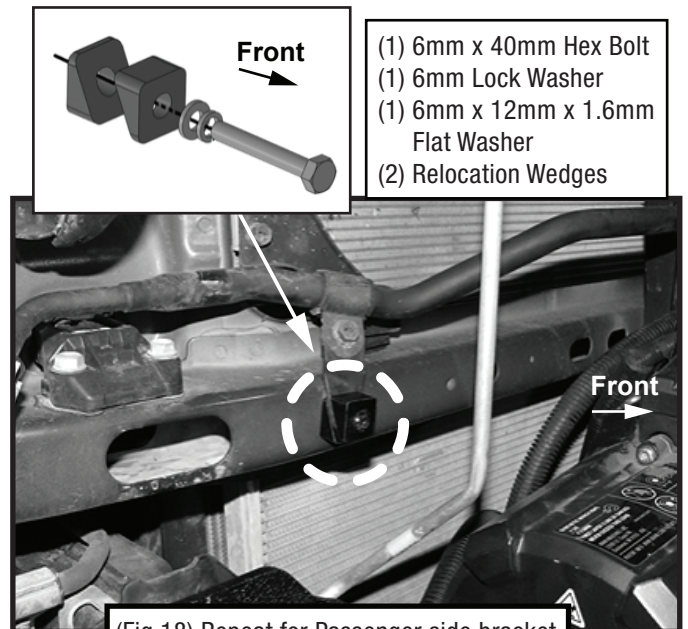
(Fig 15) Mount Winch Tray to frame using OE Factory Bolts previously removed. Mount winch onto tray if available.



(Fig 16) At upper cross member Driver Side, remove bolts holding AC line bracket.



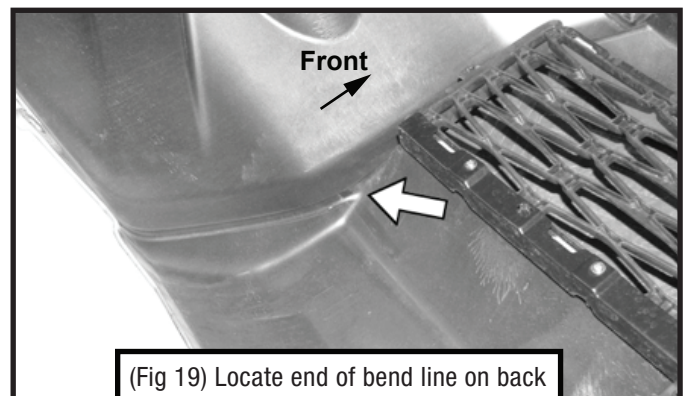
(Fig 17) Reattach bracket between the relocation wedges and fasten with replacement hex bolt (Driver Side)



(Fig 18) Repeat for Passenger side bracket

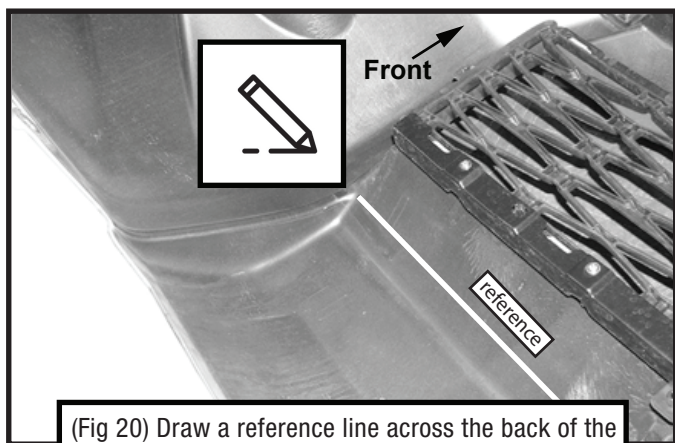
### STEP 4 TRIMMING BUMPER COVER

Follow (Figs 19 - 23) to trim off Lower section of the Factory Bumper Cover.

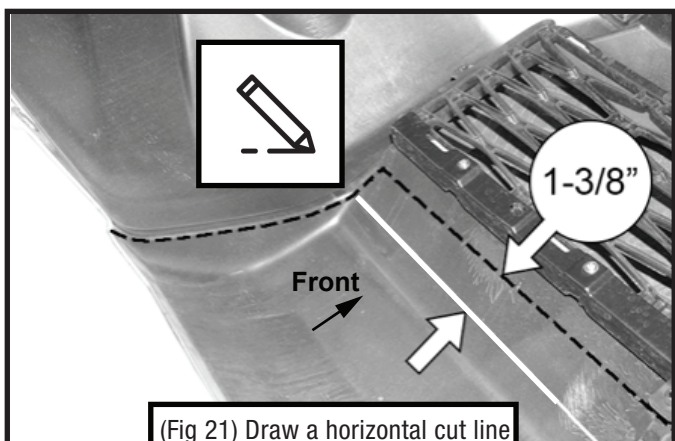


(Fig 19) Locate end of bend line on back of plastic bumper cover (Driver/Left)

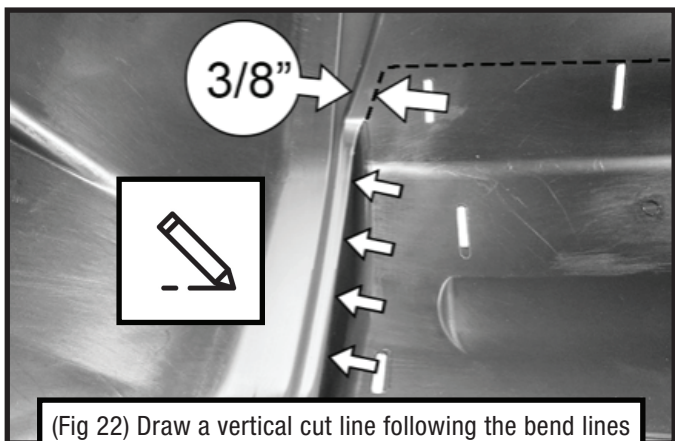




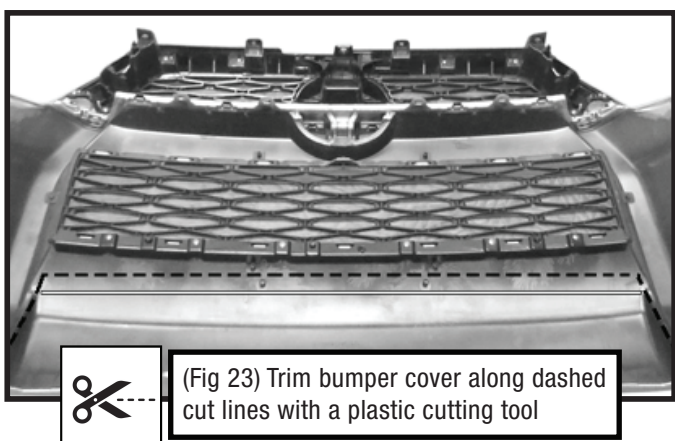
(Fig 20) Draw a reference line across the back of the cover connecting the two points pictured



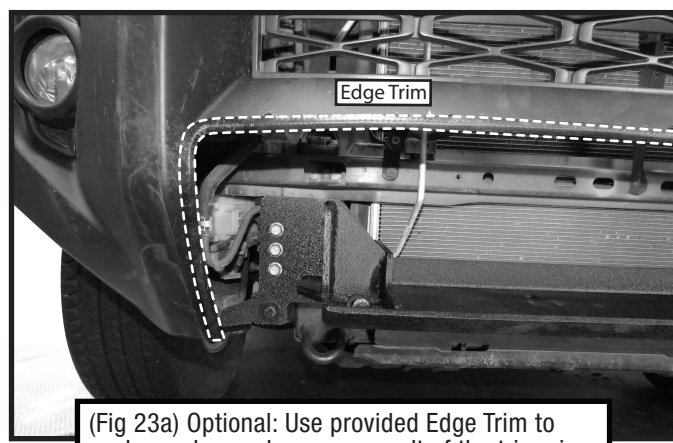
(Fig 21) Draw a horizontal cut line 1-3/8" above the reference line



(Fig 22) Draw a vertical cut line following the bend lines (along the arrows) and up to the horizontal cut line



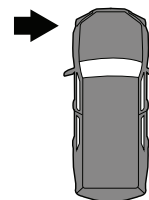
(Fig 23) Trim bumper cover along dashed cut lines with a plastic cutting tool



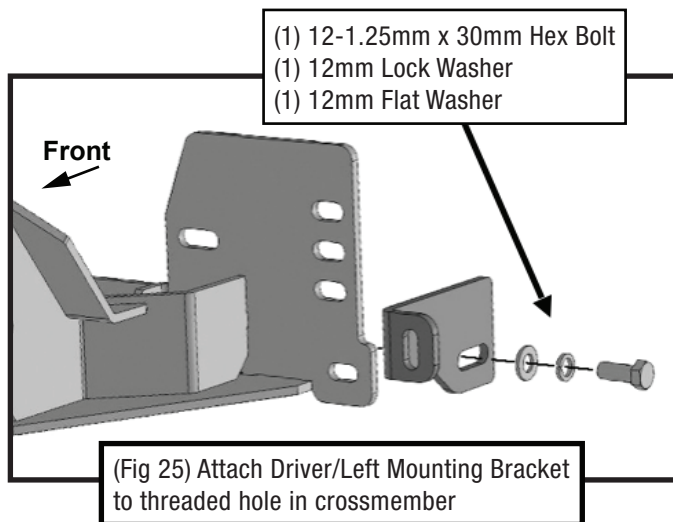
(Fig 23a) Optional: Use provided Edge Trim to seal any sharp edges as a result of the trimming.

## STEP 5 INSTALLING MOUNTING BRACKETS

Follow (Figs 24 - 35) to mount the Brackets and reinstall the Bumper Cover.

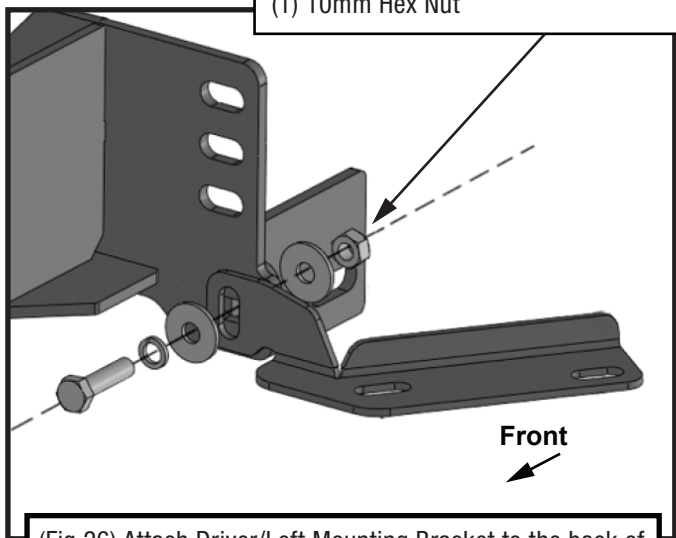


(Fig 24) Remove tape covering threaded hole in end of crossmember on both sides



(Fig 25) Attach Driver/Left Mounting Bracket to threaded hole in crossmember

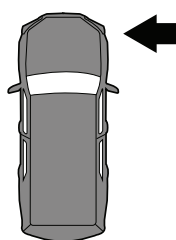
- (1) 10mm x 40mm Hex Bolt
- (2) 10mm x 30mm Large Flat Washers
- (1) 10mm Lock Washer
- (1) 10mm Hex Nut



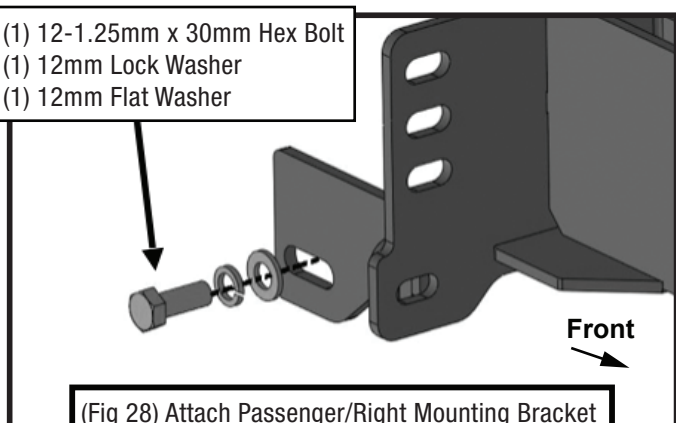
(Fig 26) Attach Driver/Left Mounting Bracket to the back of the Winch Tray and the Support Bracket to the front of it



(Fig 27) Driver/Left Mounting Bracket and Support Bracket installed

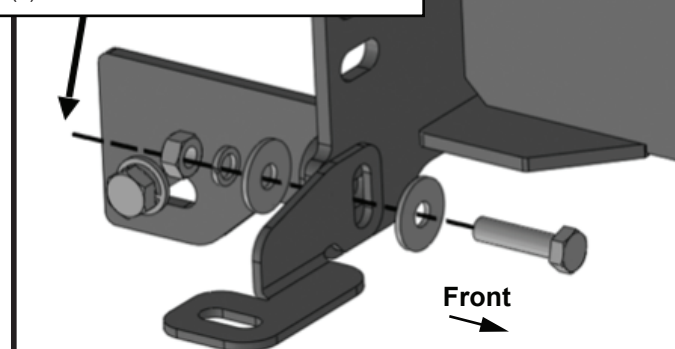


- (1) 12-1.25mm x 30mm Hex Bolt
- (1) 12mm Lock Washer
- (1) 12mm Flat Washer

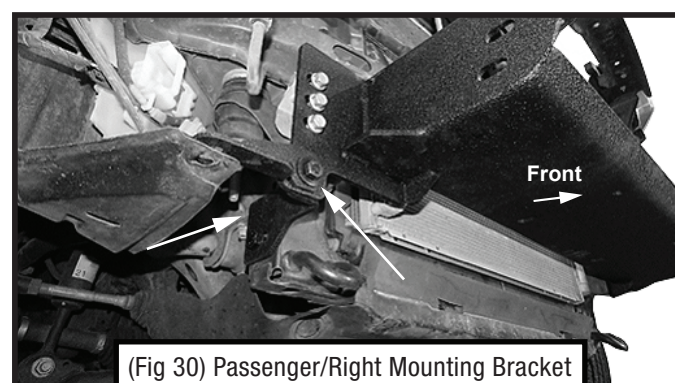


(Fig 28) Attach Passenger/Right Mounting Bracket to threaded hole in crossmember

- (1) 10mm x 40mm Hex Bolt
- (2) 10mm x 30mm Large Flat Washers
- (1) 10mm Lock Washer
- (1) 10mm Hex Nut



(Fig 29) Attach Passenger/Right Mounting Bracket to the back of the Winch Tray and the Support Bracket to the front of it

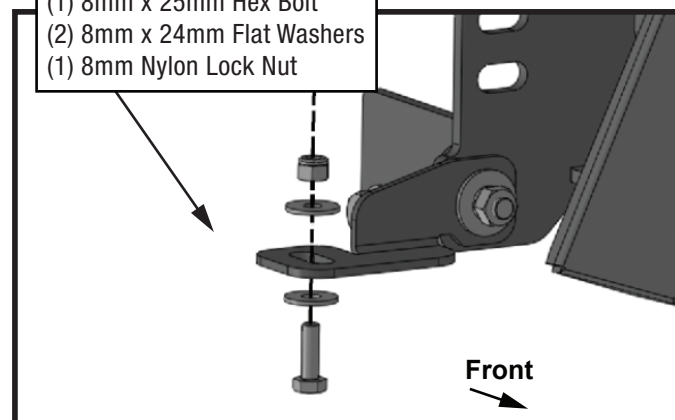


(Fig 30) Passenger/Right Mounting Bracket and Support Bracket installed



(Fig 31) Carefully reinstall the plastic bumper cover with original hardware in front of Winch Tray

- (1) 8mm x 25mm Hex Bolt
- (2) 8mm x 24mm Flat Washers
- (1) 8mm Nylon Lock Nut

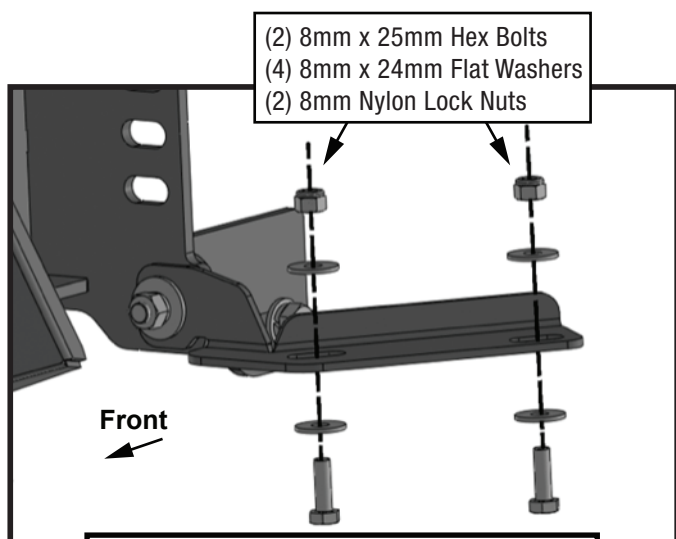
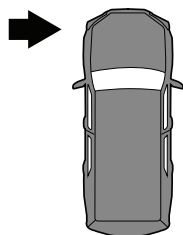


(Fig 32) Bolt together the Wheel Well Liner, Passenger/Right Support Bracket, and Bumper Cover

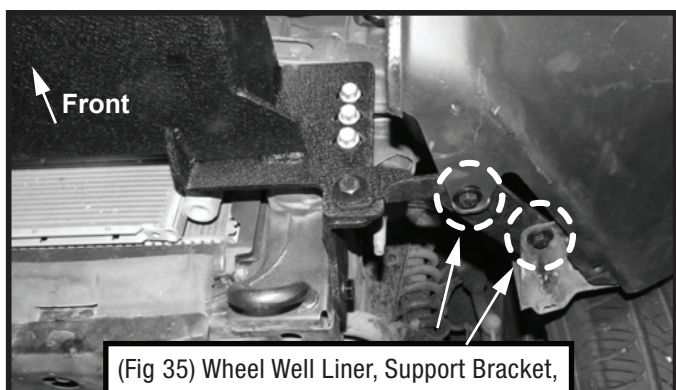




(Fig 33) Wheel Well Liner, Support Bracket, and Bumper Cover attached together



(Fig 34) Bolt together the Wheel Well Liner, Driver/Left Support Bracket, and Bumper Cover



(Fig 35) Wheel Well Liner, Support Bracket, and Bumper Cover attached together

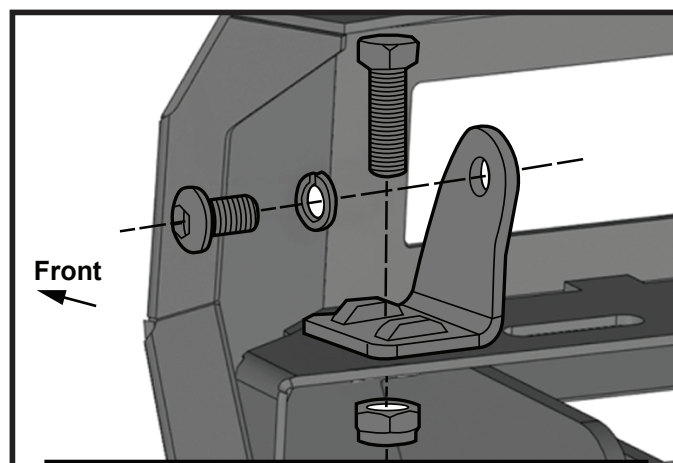
## INSTALLING THE LIGHT BAR

### ⚠ Note:

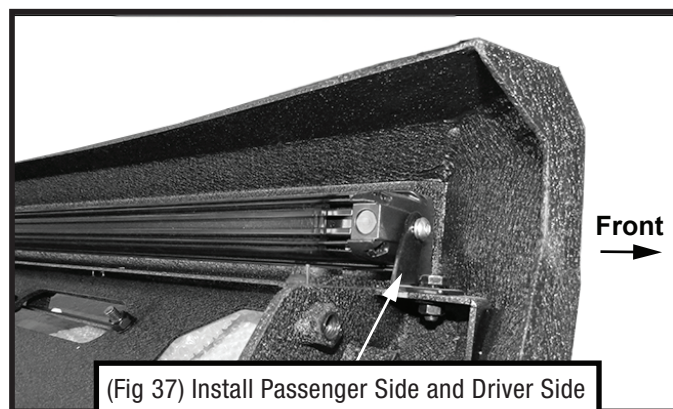
**Light Bar, Brackets, Hardware, Light Bar Cable** are inside the B1472 Inner Carton. **DT Connector Wiring Harness** is packed in the Main Carton Bag.

Mount the LED Light Bar with provided Brackets and Hardware from the inner carton. Install the Light Bar Cable, then connect it to the battery directly, OR attach to the DT Connector Wiring Harness. Then feed the Wire Switch through the firewall grommet near the driver side.

Go over the separate **Diagram** for detailed layout and specification of the Harness.



(Fig 36) Install the Light Bar with the provided hardware and bracket from the light bar package

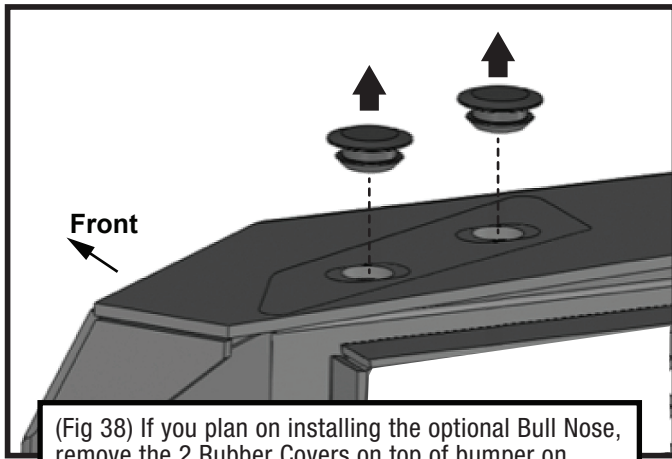


(Fig 37) Install Passenger Side and Driver Side LED Light Bar Brackets with included HW

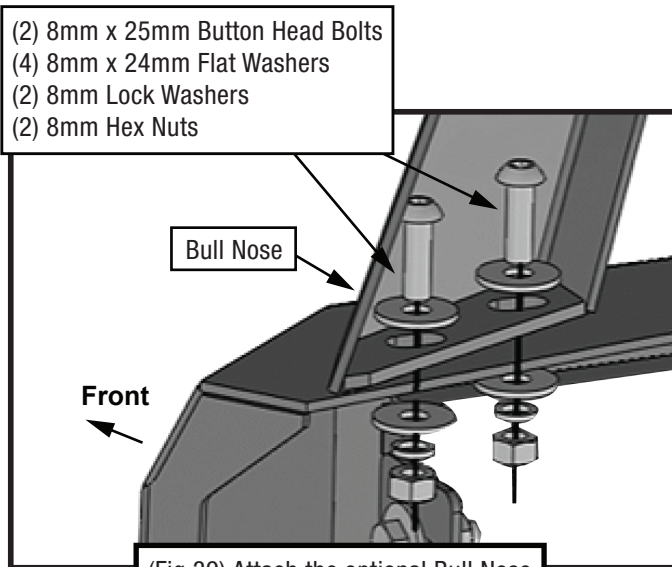
## STEP 6

## INSTALLING FRONT BUMPER

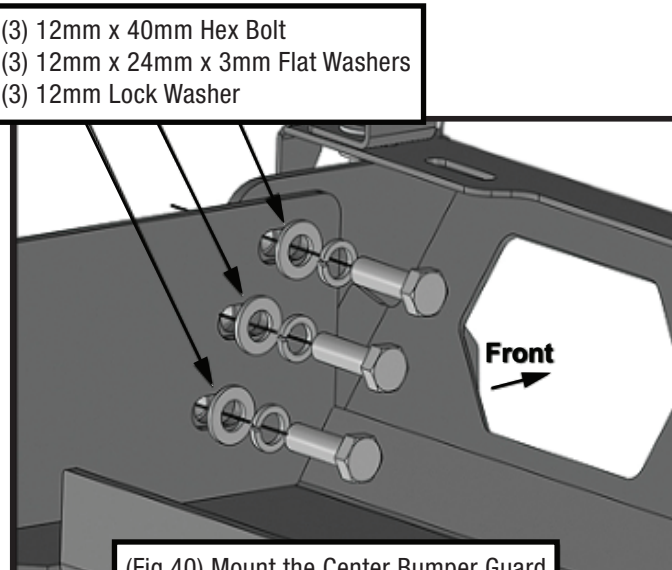
Follow (Figs 36 – 45) to install Center Bumper Guard.



(Fig 38) If you plan on installing the optional Bull Nose, remove the 2 Rubber Covers on top of bumper on each side



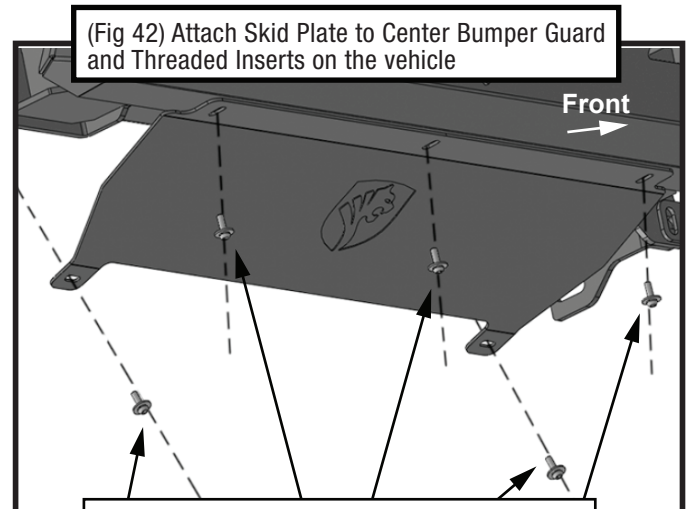
(Fig 39) Attach the optional Bull Nose to Center Bumper Guard



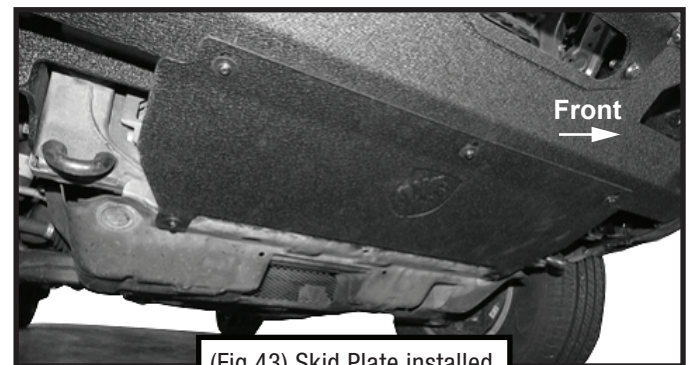
(Fig 40) Mount the Center Bumper Guard to Winch Tray on both sides



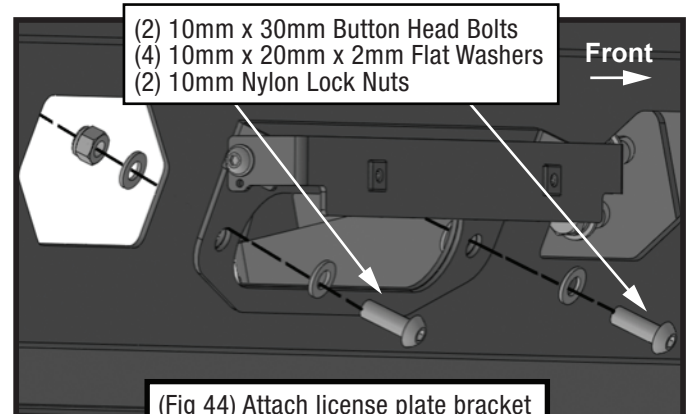
(Fig 41) Center Bumper Guard mounted



(5) 6-1.0mm x 20mm Combo Button Head Bolts



(Fig 43) Skid Plate installed



(Fig 44) Attach license plate bracket onto Center Bumper Guard





(Fig 45) Installation complete