

GO RHINO®

INSTALLATION INSTRUCTIONS

PART NO.

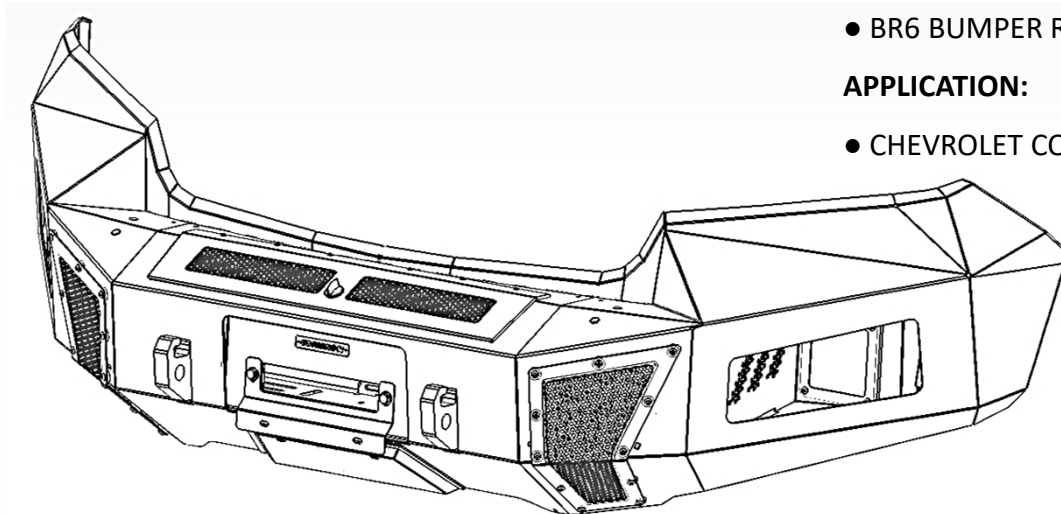
- 24279T

PRODUCT DESCRIPTION:

- BR6 BUMPER REPLACEMENT

APPLICATION:

- CHEVROLET COLORADO



PRODUCT SAFETY & LEGAL DISCLAIMER

- **IMPORTANT READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING, FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY.**
- **Review the product package and contents prior to beginning the installation.** Take care when opening the packaging and removing items. If a return is needed you will want to return the product in its original packaging if possible.
- This instruction guide is provided as a GENERAL installation guide, some vehicles vary dimensionally and may require additional steps.
- Test fit the product on the vehicle prior to any third party modifications and or finishing. The manufacturer and/or distributors do not accept responsibility for third party charges, labor and or third part replacement modifications. Some modifications may void the factory warranty.
- Exercise due-diligence when installing this product. The manufacturer and distributors of this product do not accept any responsibility for vehicle damage or personal injury resulting from the installation of this product. Careless installation and operation can result in serious injury or equipment damage.
- This product is for general off-road use. All liability for installation and use rests with the owner/operator.
- **INSTALLER:** Once installation is complete, please return this guide along with other documentation included in this product back to the consumer for future reference. The manufacturer/distributors of this product do not guarantee this particular version will be available at a later date.



INSTALLATION INSTRUCTIONS

INJURY HAZARD

Please complete a shop and tool inspection prior to beginning the installation.

- Always make sure you have a clean, dry and well lit work area.
- Always remove jewelry, loose fitting clothing and wear protective gloves and eye protection.
- Always use extreme caution when jacking or raising a vehicle for work. Set the emergency brake and use tire/wheel blocks and jack stands. Refer to the vehicle manufacturer hand book. Utilize the vehicle manufacturers designated lifting points.
- Always use appropriate and adequate care in lifting parts during disassembly and installation. Seek help in lifting heavy or large items into place. Utilize jacks and or lifting devices when available.
- Always insure products are secure during disassembly and installation.
- Always wear eye protection and take steps to protect any exposed skin during the installations. Drilling, cutting and grinding plastic and metal may create flying particles that can cause injury.
- Always use extreme caution when drilling, cutting and or grinding on a vehicle. Thoroughly inspect the area to be drilled, on both sides of material, prior to modification and relocate any objects that may become damaged.
- Always assemble and tighten all fasteners per the installation instructions.
- Always route electrical cables carefully. Avoid moving parts, parts that may become hot and rough or sharp edges.
- Always insulate and protect all exposed wiring and electrical connections.

MAINTENANCE AND CARE

- Always perform regular inspections and maintenance on mounts and related fasteners.
- Periodically check and tighten all fasteners.
- Stripped, fractured, or bent fasteners must be replaced.
- After washing the vehicle make sure to fully dry all surfaces.
- In areas with cold temperatures make sure to wash the product often to remove harmful materials used on road ways.
- Never use abrasive cleaners or polish compounds. Clean with a gentle soap and water. If you use wax use a non-abrasive automotive wax such as pure carnauba wax.

WARNING

Some products have been designed to work together with factory rear sensor systems, factory forward facing sensor systems and factory air bags.

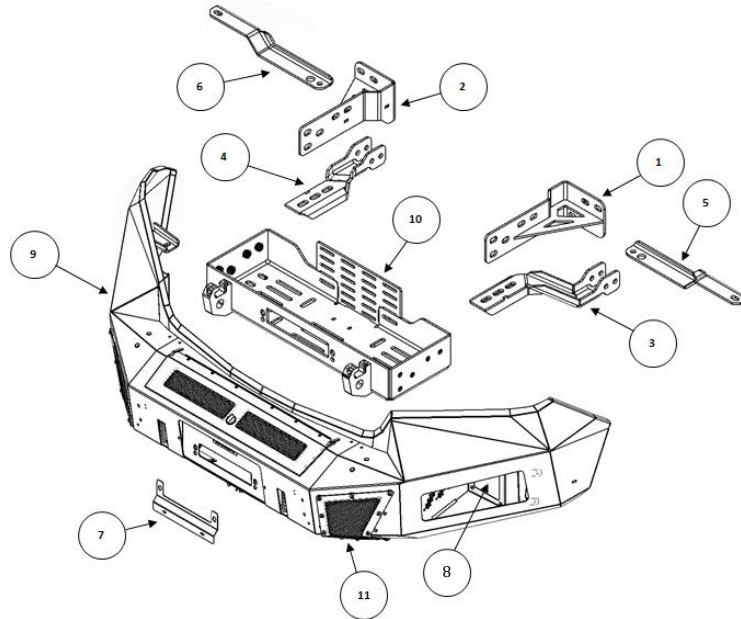
- Installation of some of these products may alter the factory sensor system performance.
- Factory sensors may read shackles or hooks protruding from the fairlead and or tow hooks.
- All sensor testing is completed by Go Rhino Products and or third party testing labs on modified vehicles.
- Sensor sensitivity, factory sensor housing, orientation, and operating conditions are all variables that will influence functionality of the sensors.
- Installation of some product may effect the factory air bag systems.
- Some products allow the use of third party products such as winches, shackles, hooks, etc. Follow the respective manufacturers operating instructions for use with our products.
- Make sure to fully understand the product, it's intended use and operation prior to use.
- Above all... be safe!

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PARTS INCLUDED IN THIS LIST:

| ITEM | QTY. | DESCRIPTION | ITEM | QTY. | DESCRIPTION | ITEM | QTY. | DESCRIPTION |
|------|-------|----------------------------------|------|------|-----------------------------|------|------|--------------------------|
| 1 | 1 | Frame Bracket (driver) | 12 | 2** | 1/4" x 3/4" Sems Bolt | 25 | 2 | Double Bolt Plate |
| 2 | 1 | Frame Bracket (passenger) | 13 | 2** | 1/4" Flat Washer | 26 | 4** | M12 x 80mm Hex Bolt |
| 3 | 1 | Auxiliary Bracket (driver) | 15 | 2** | 1/4" Hex Nut | 27 | 2** | M16 Flat Washer |
| 4 | 1 | Auxiliary Bracket (passenger) | 16 | 2** | 3/8" x 1" Hex Bolt | 28 | 4** | M12 Hex Nut |
| 5 | 1 | Support Bracket (driver) | 17 | 6** | 3/8" Flat Washer | 29 | | Rubber Flange Mount Seal |
| 6 | 1 | Support Bracket (passenger) | 18 | 4** | 3/8" Lock Washer | 30 | | Foam Tape |
| 7 | 1 | License Plate Bracket | 19 | 2** | 3/8" Hex Nut | | | |
| 8 | 1 | Light Pod Plates (pre installed) | 20 | 14** | 1/2" x 1 1/2" Hex Bolt | | | |
| 9 | 1 | Bumper Shell | 21 | 6** | 1/2" x 1 1/2" Carriage Bolt | | | |
| 10 | 1 | Winch Tray | 22 | 32** | 1/2" Flat Washer | | | |
| 11 | 1 Pr. | Vent Covers (pre installed) | 23 | 26** | 1/2" Lock Washer | | | |
| | | | 24 | 12** | 1/2" Hex Nut | | | |



Go Rhino recommends you, the installer, read this installation instruction manual from front to back before installing the product.

TOOLS NEEDED FOR INSTALLATION:

- 7mm, 10mm, 15mm, 18mm, 19mm, 9/16" & 3/4" Sockets
- 7mm, 15mm, 18mm, 19mm, 9/16" & 3/4" Wrenches
- T-15 Torx Driver, Slotted Screw Driver
- 5/32" Hex Key
- Ratchet, Ratchet Extensions & Swivel Joint Adapter
- Drill Motor, 5/16" Drill Bit

ESTIMATED TIME FOR INSTALLATION:

2 Hour

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OEM Bumper Cover Removal

Step-1 Open the hood and disconnect the vehicle battery or batteries.

Step-2 If equipped, remove the (9) plastic push-in rivets securing the plastic sight shield to the radiator support, (FIGURE1).

Step-3 Using a T-15 Torx driver, remove the (6) bolts securing the top of the grille to the radiator support, (FIGURE 2).

FIGURE 1

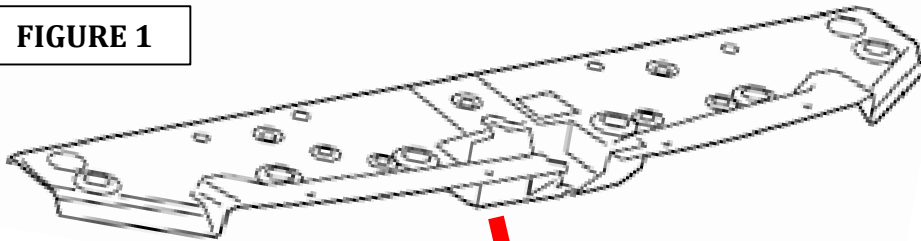
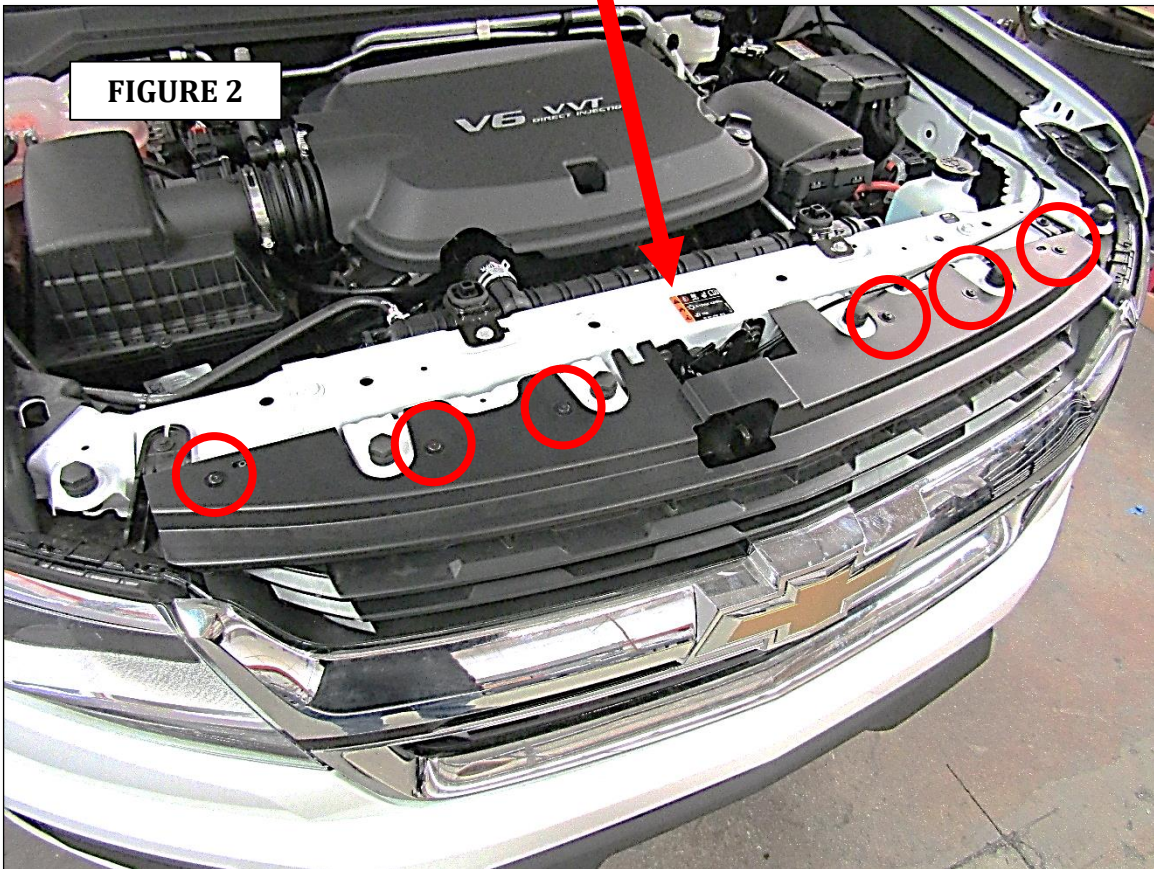


FIGURE 2



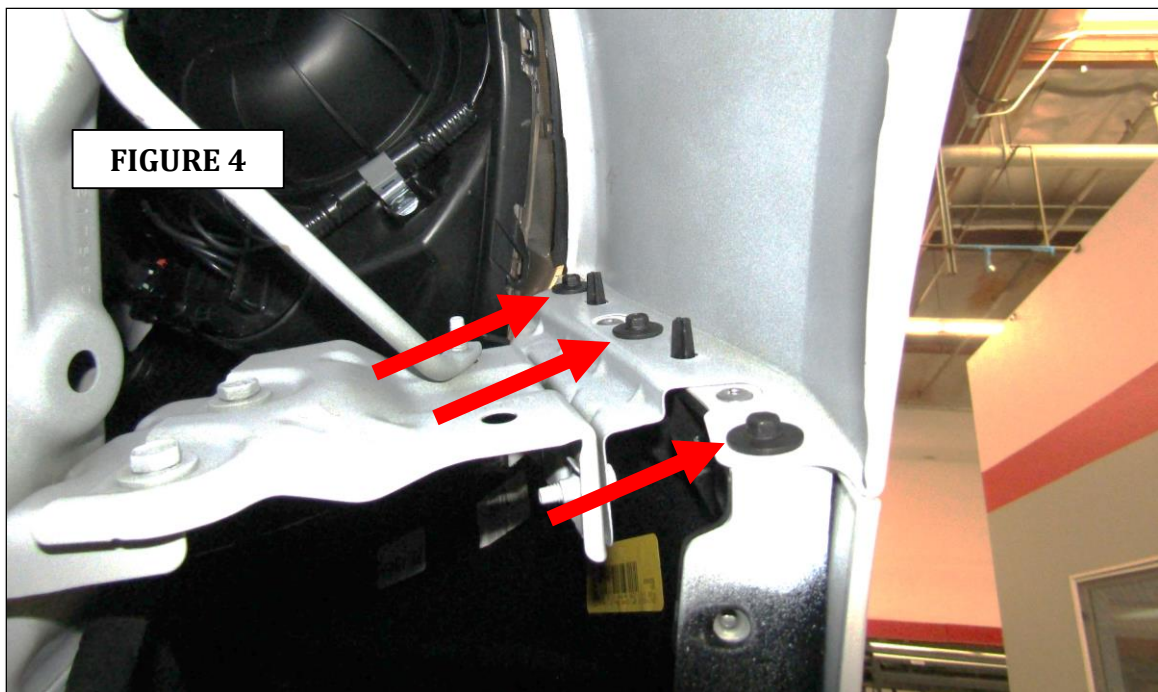
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Step-3 Using a T-15 Torx driver, remove the (6) bolts securing the inner fender liner, (FIGURE 3). Repeat this step on the other side of the vehicle.



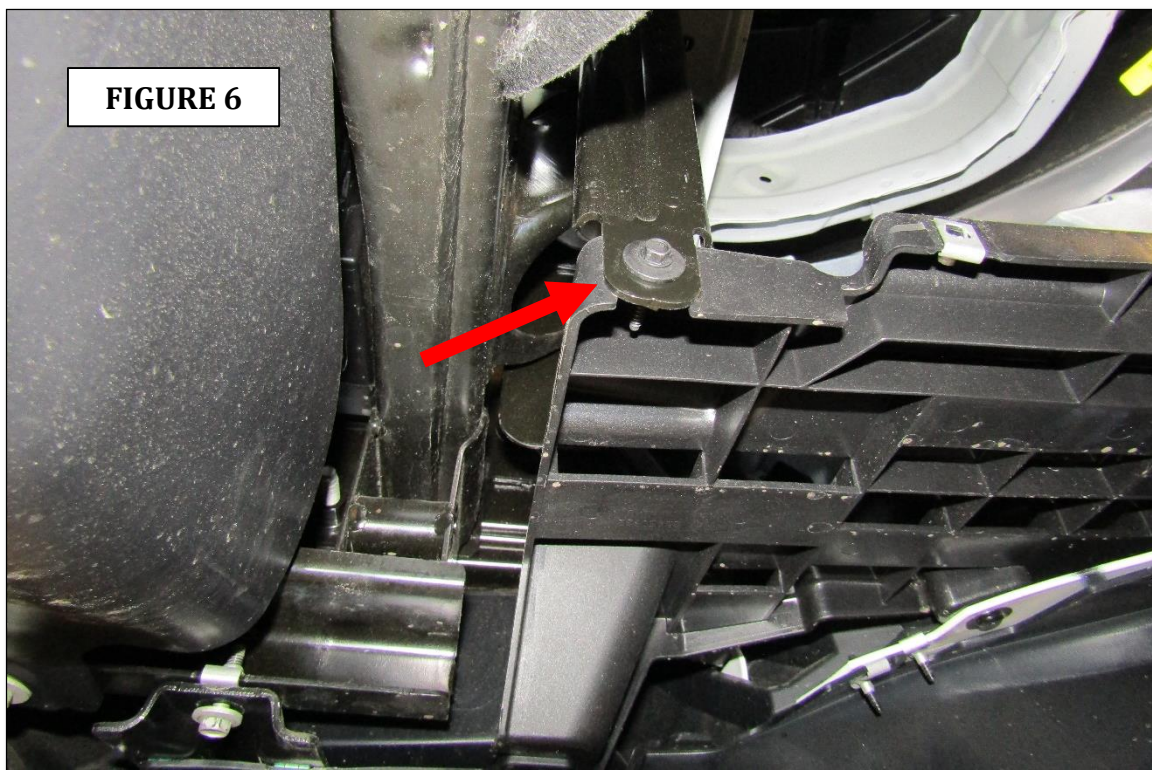
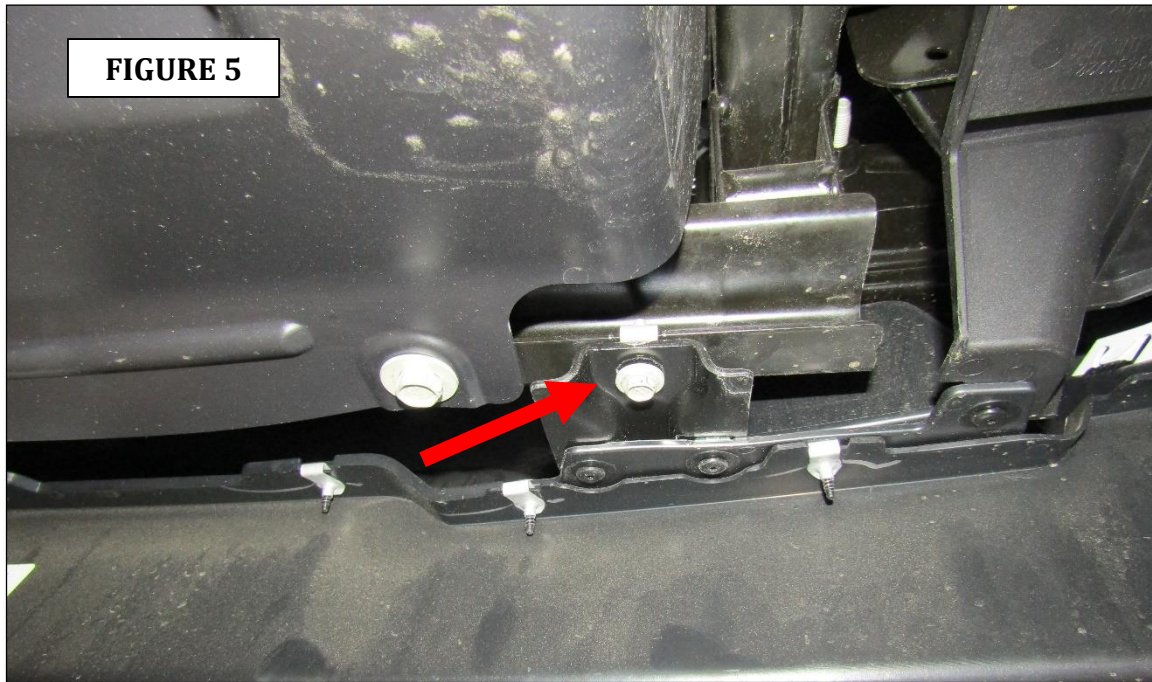
Step-4 Pull back the inner fender liner, then using a 7mm socket, remove the (3) bolts securing the bumper cover to the front fender, (FIGURE 4). If equipped, unplug the fog light connector. Repeat this step on the other side of the vehicle



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Step-5 From underneath the vehicle, there are (4) bolts securing the bumper cover to the vehicle. Using a 7mm and a 10mm socket, remove these bolts on each side of the vehicle.

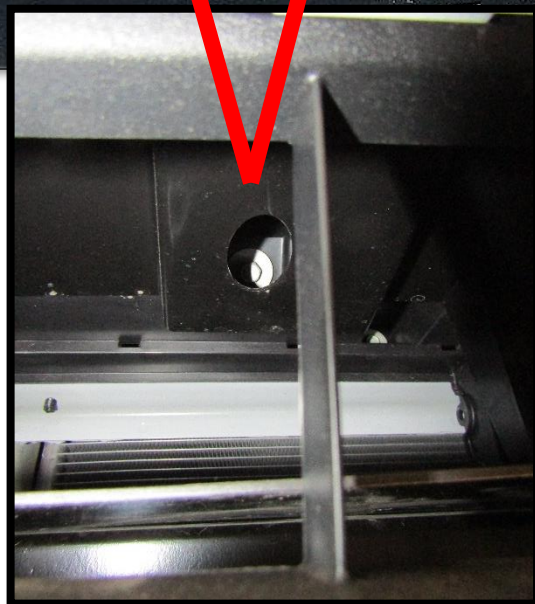


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Step-6 From the opening in the bumper cover, use a 10mm socket, and remove the (2) bolts securing the bumper cover, (FIGURE 7).

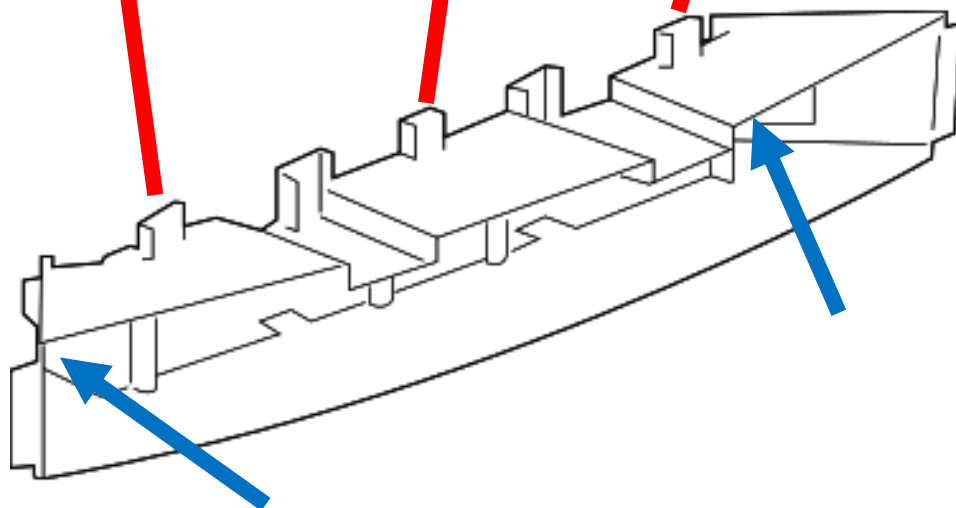
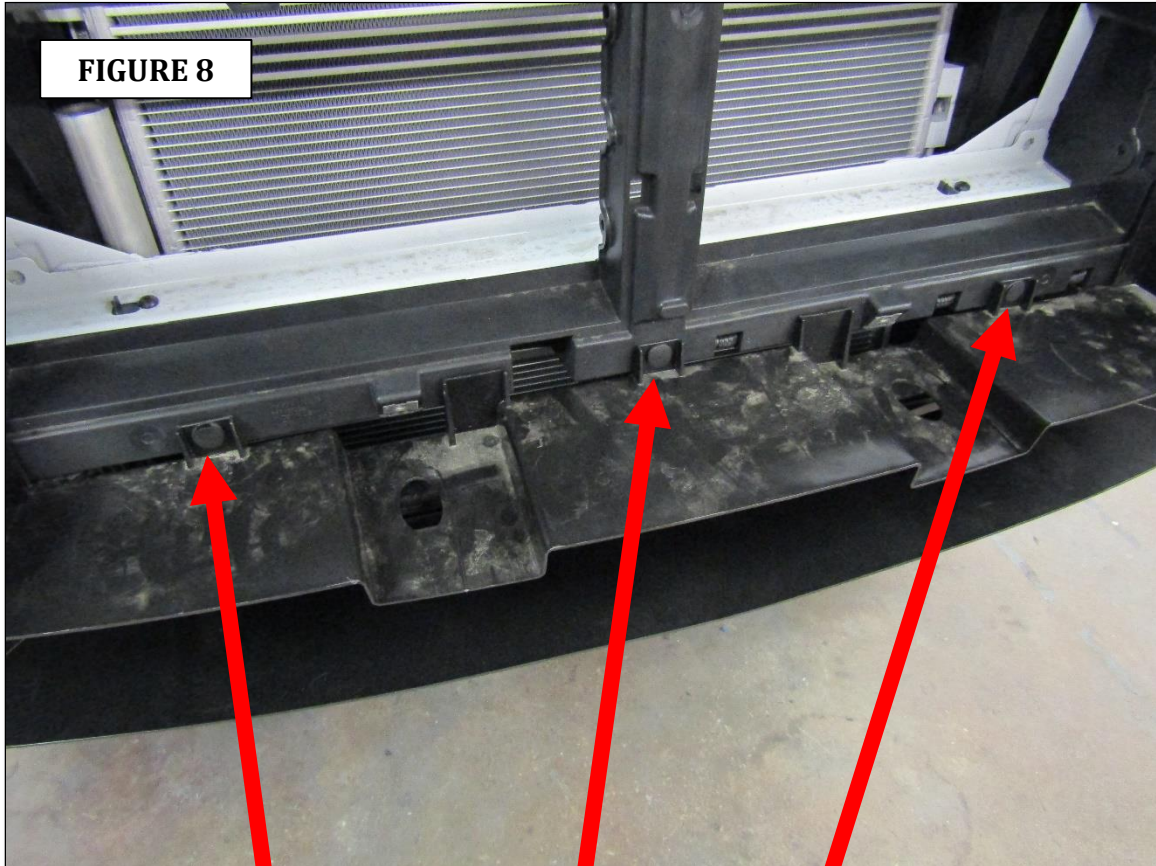
Step-7 With assistance, on each side of the vehicle, pull down to remove the bumper cover, releasing the clips on each side in the process remove the bumper cover and grille assembly from the vehicle.



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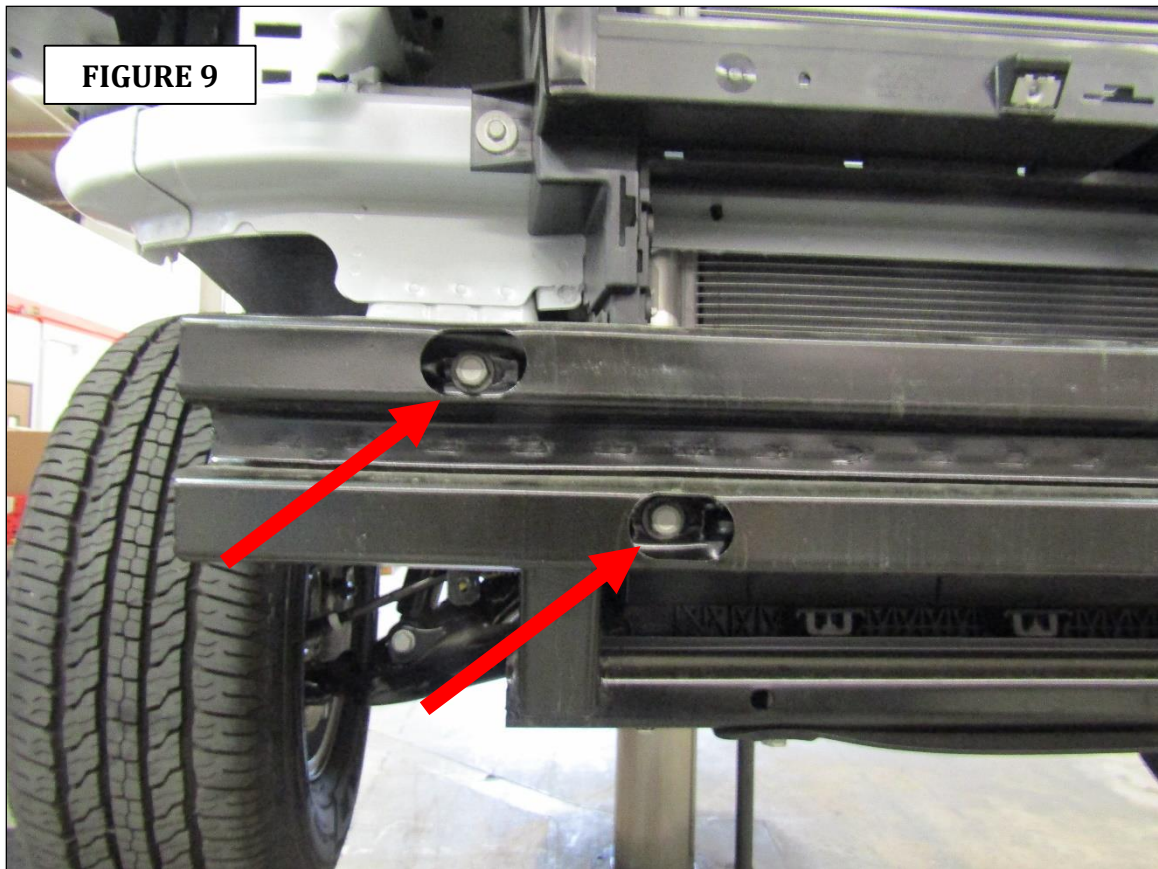
Step-8 Remove the (3) plastic push-in rivets securing the air inlet baffle, (FIGURE 8). Then, release the clips on each side of the air inlet baffle and remove the air inlet baffle from the vehicle. Note the air inlet baffle will not be reinstalled.



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Step-9 Using a 15mm socket, remove the (2) bolts on each side of the vehicle securing the steel impact bar, (FIGURE 9). Remove the impact bar from the vehicle. Retain the (4) bolts as they will be used for installation of the bumper replacement frame brackets.

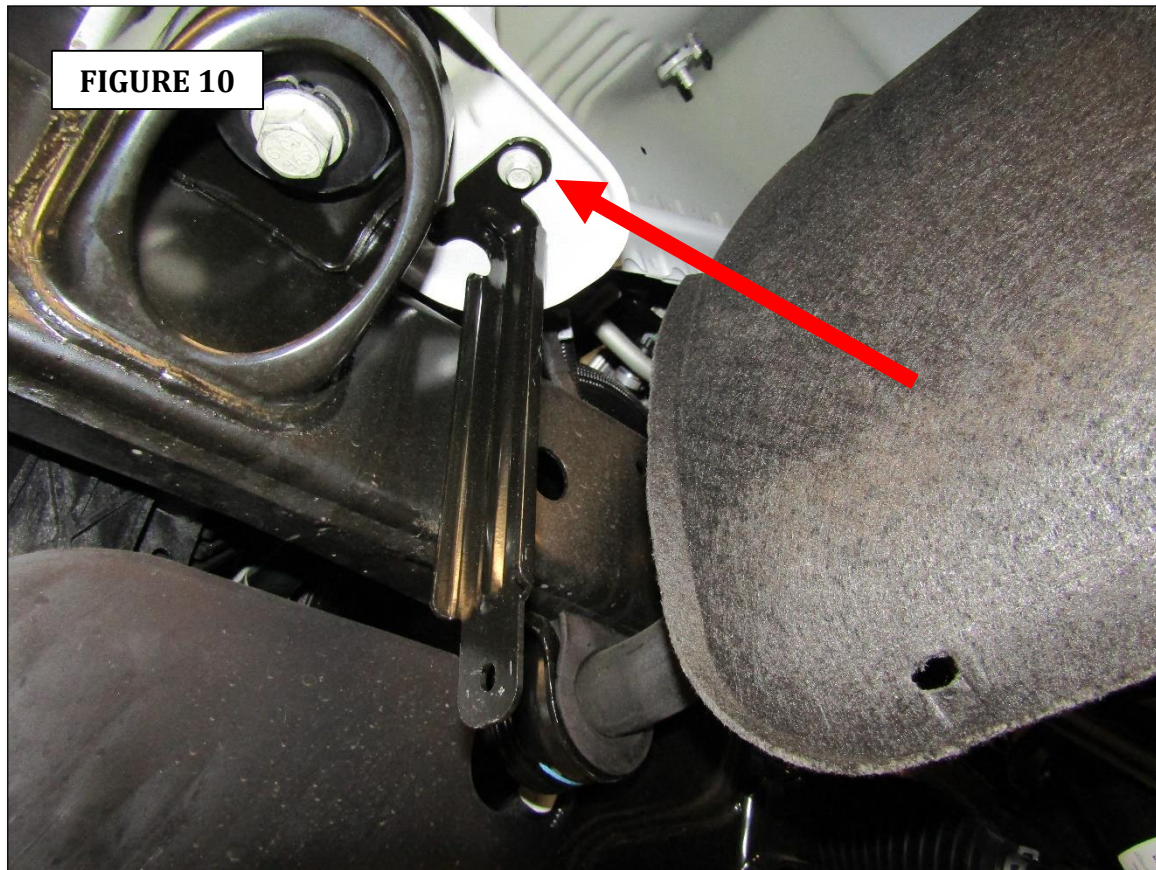


Step-10 If equipped with factory tow hooks, using an 18mm socket and wrench, remove the (2) nuts and bolts securing each tow hook. Then, remove the tow hooks from the vehicle.

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Step-11 Using a 8mm socket, remove the bolt securing the front bumper filler support bracket, (FIGURE 10). Remove support bracket from the vehicle. Repeat this step on the other side of the vehicle.



Step-12 Remove the grille from the bumper cover and reinstall the grille to the vehicle using the OEM fasteners.

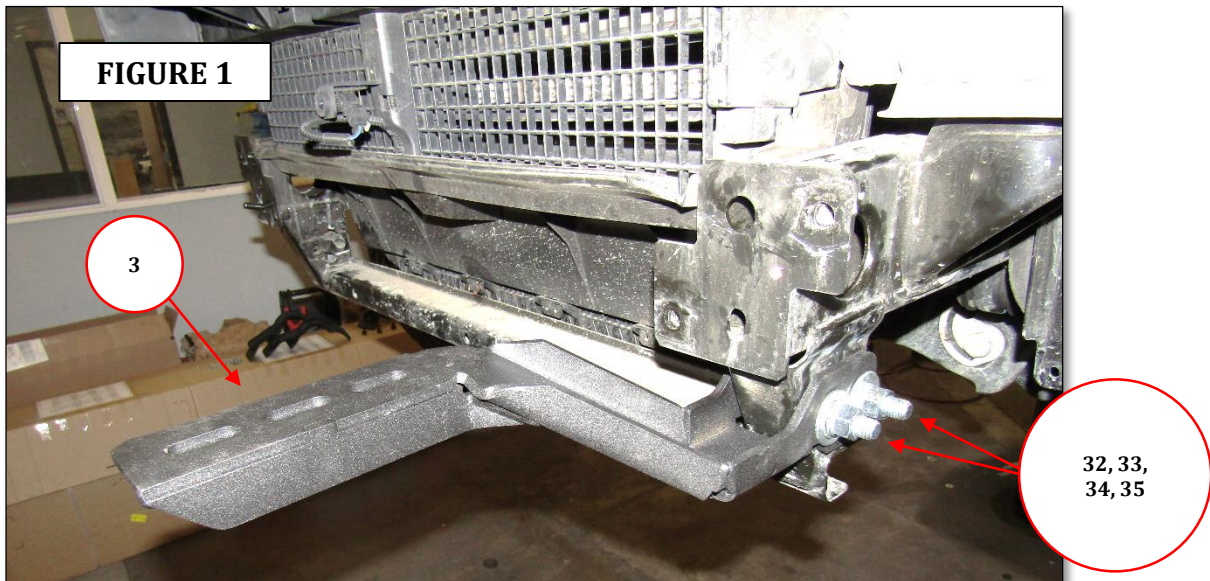
Step-13 If equipped, reinstall the plastic sight shield to the radiator support using the OEM fasteners.

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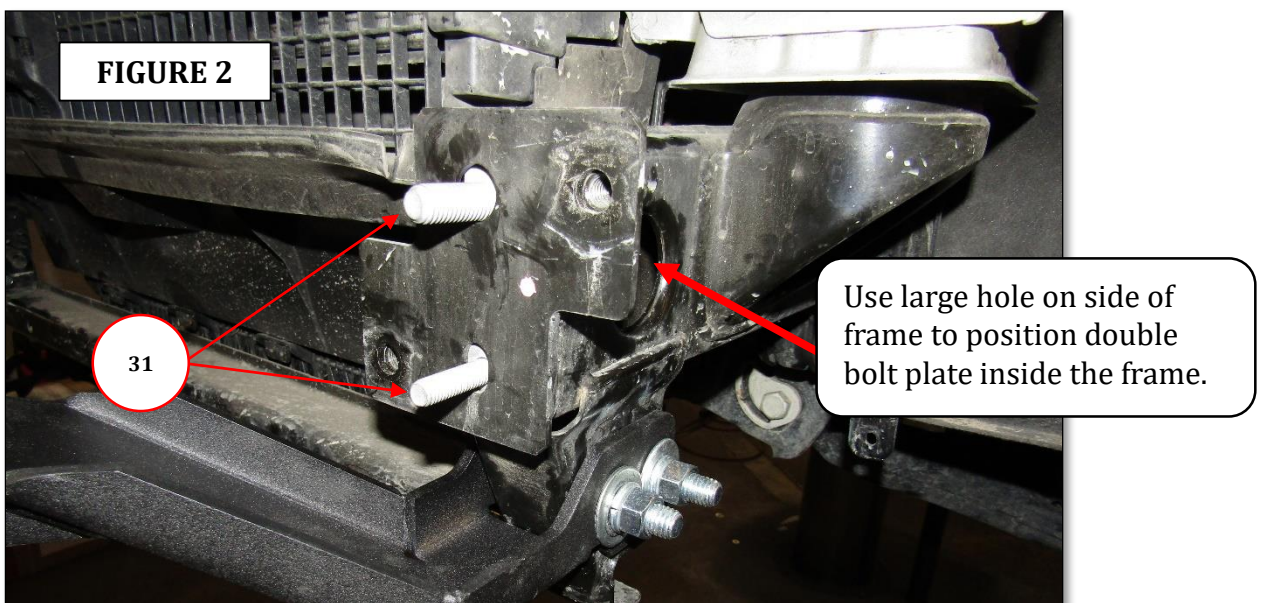
INSTALLATION INSTRUCTIONS

BR Bumper Installation

Step-1 Install the driver side auxiliary bracket by positioning the bracket on the sides of the frame, align the holes in the auxiliary bracket with the tow hook attachment holes, and secure the auxiliary bracket to the frame using (2) M12 x 80mm hex bolts (2) M12 flat washers, (2) M12 lock washers and (2) M12 hex nuts, (FIGURE 1). Leave the nuts and bolts loose for final adjustment. Repeat to install the passenger side auxiliary bracket.



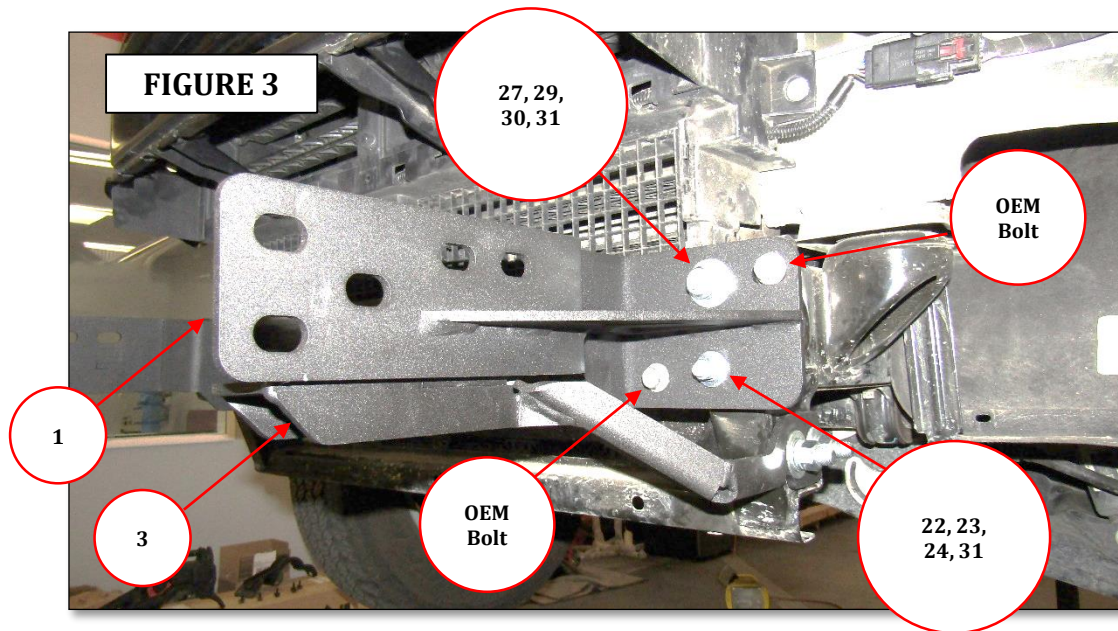
Step-2 Using the large hole for access on the side of the frame, position one of the double bolt plates inside the frame with the bolts extending out through the holes in the flange at the end of the frame, (FIGURE 2). Note: Position the 1/2" bolt at the top.



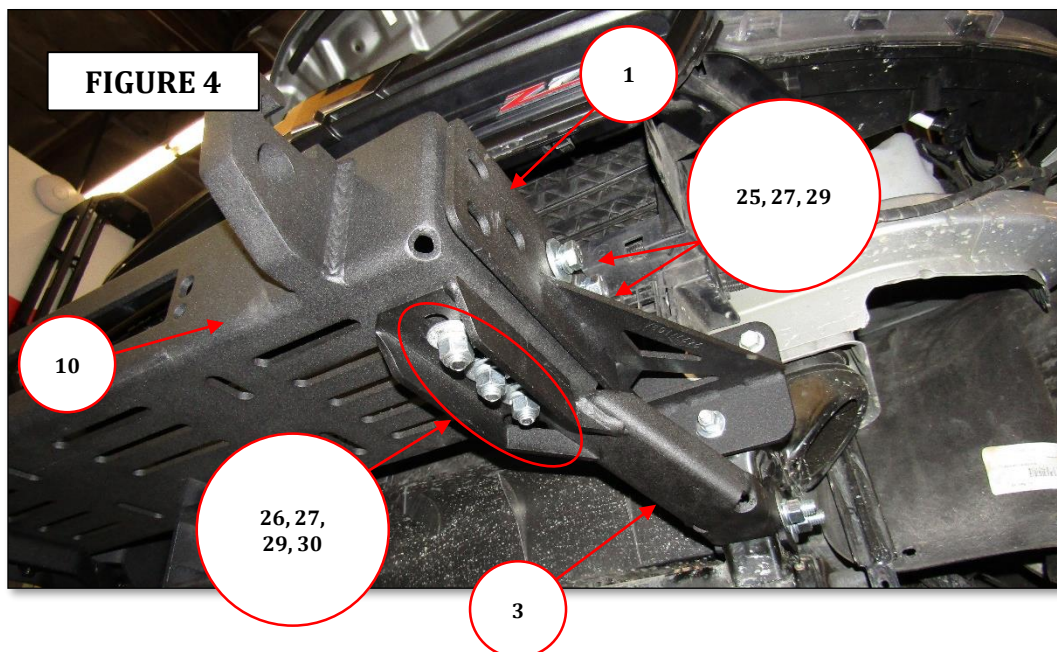
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Step-3 Install the driver side frame bracket by positioning the bracket up to the end of the frame, align the (2) holes in the frame bracket with the double bolt plate and install the supplied $\frac{1}{2}$ " and $\frac{3}{8}$ " washers and nuts to secure the frame bracket. Install (2) of the OEM bolts used for attachment of the steel impact bar in the remaining holes to secure the frame bracket, (FIGURE 3). Leave the nuts and bolt plate loose for final adjustment. Repeat step 2 & 3 to install the passenger side frame bracket.



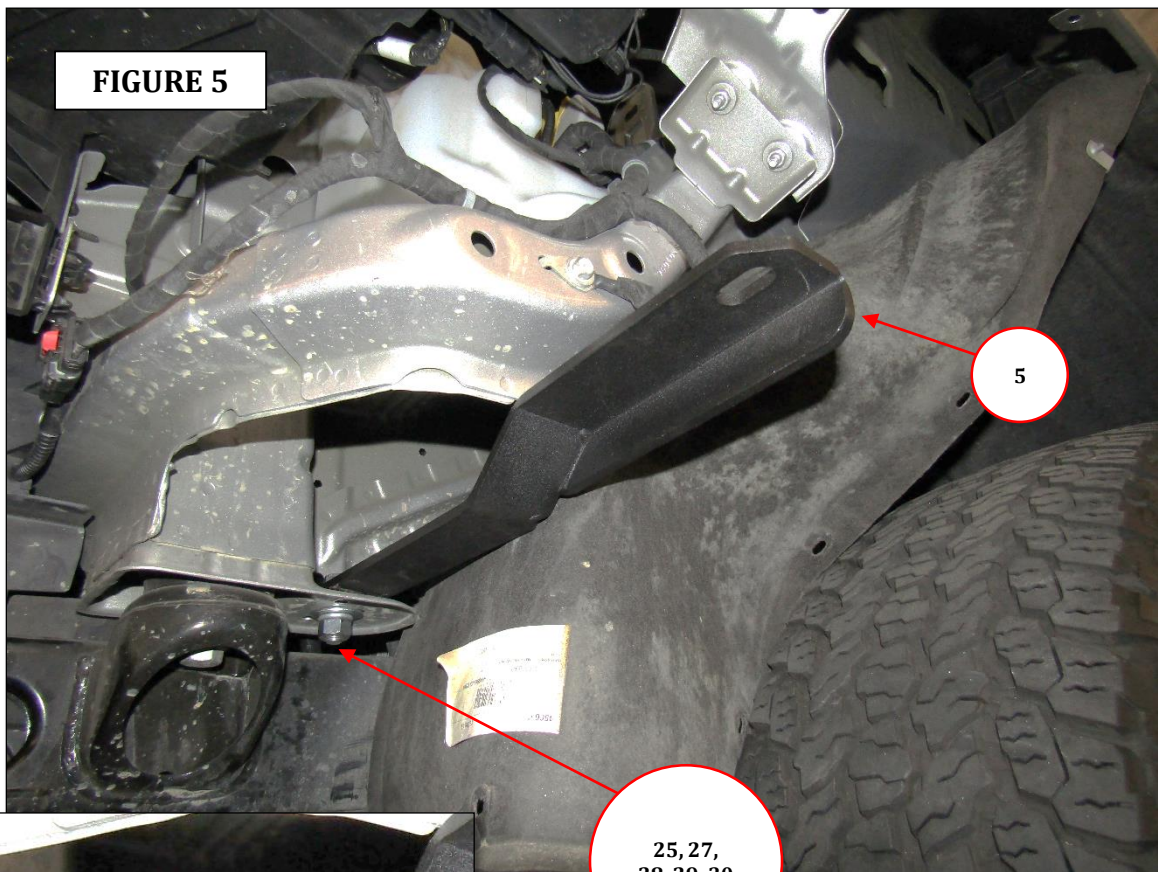
Step-4 Position the winch tray on top of the auxiliary brackets. Align the holes and secure the winch tray to each frame bracket using (2) $\frac{1}{2}$ " x $1\frac{1}{2}$ " hex bolts, (2) $\frac{1}{2}$ " flat washers, (2) $\frac{1}{2}$ " lock washers, and to each auxiliary bracket using (3) $\frac{1}{2}$ " x $1\frac{1}{2}$ " carriage bolts, (3) $\frac{1}{2}$ " flat washers, (3) $\frac{1}{2}$ " lock washers and (3) $\frac{1}{2}$ " hex nut, (FIGURE 4). Leave the nuts and bolts loose for final adjustment.



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Step-5 Install the driver side support bracket by positioning the end of the bracket with the two holes on top of the cab mount bracket. Align the holes and secure the driver side support bracket to the cab mount bracket using (1) ½" x 1 ½" hex bolt, (1) ½" flat washer, (1) 5/8" flat washer (1) ½" lock washer and (1) ½" hex nut, (FIGURE 5). Leave the nut and bolt loose for final adjustment. Repeat to install the passenger side support bracket.

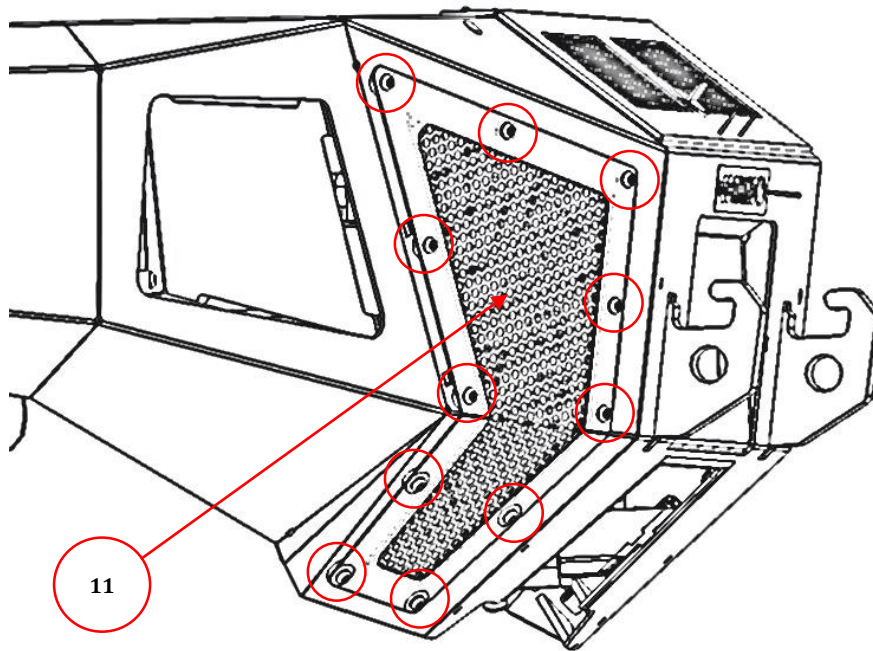


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Step-6 The pre-installed Mesh Vent Covers need to be removed from the bumper shell using hand tools to slowly remove the bolts, (FIGURE 6). Using an air assisted impact or ratchet will damage the bolt threads and Rubber Rivet-Nut assembly in the bumper shell.

FIGURE 6



Note: If you are installing a winch, place the winch in the winch tray and refer to the winch manufacturer's instructions for installation. Do not install the fairlead at this time.

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INSTALLATION INSTRUCTIONS

Rubber Flange Mount Seal Installation

Step-1 The rubber flange mount seal adhesive forms a better bond if applied when temperature is at least 60 degrees Fahrenheit.

Step-2 Clean the **perimeter** surface of the bumper replacement where the rubber flange mount seal is to be applied with a 50/50 isopropanol and water mixture. Make sure no dirt or grease remains.

Step-3 Starting at one end, slowly peel the paper backing as you push, not stretching the rubber flange mount seal into place.

Step-4 Use scissors to cut the flange of the rubber flange mount seal to fit around the tight radius areas of the bumper replacement.

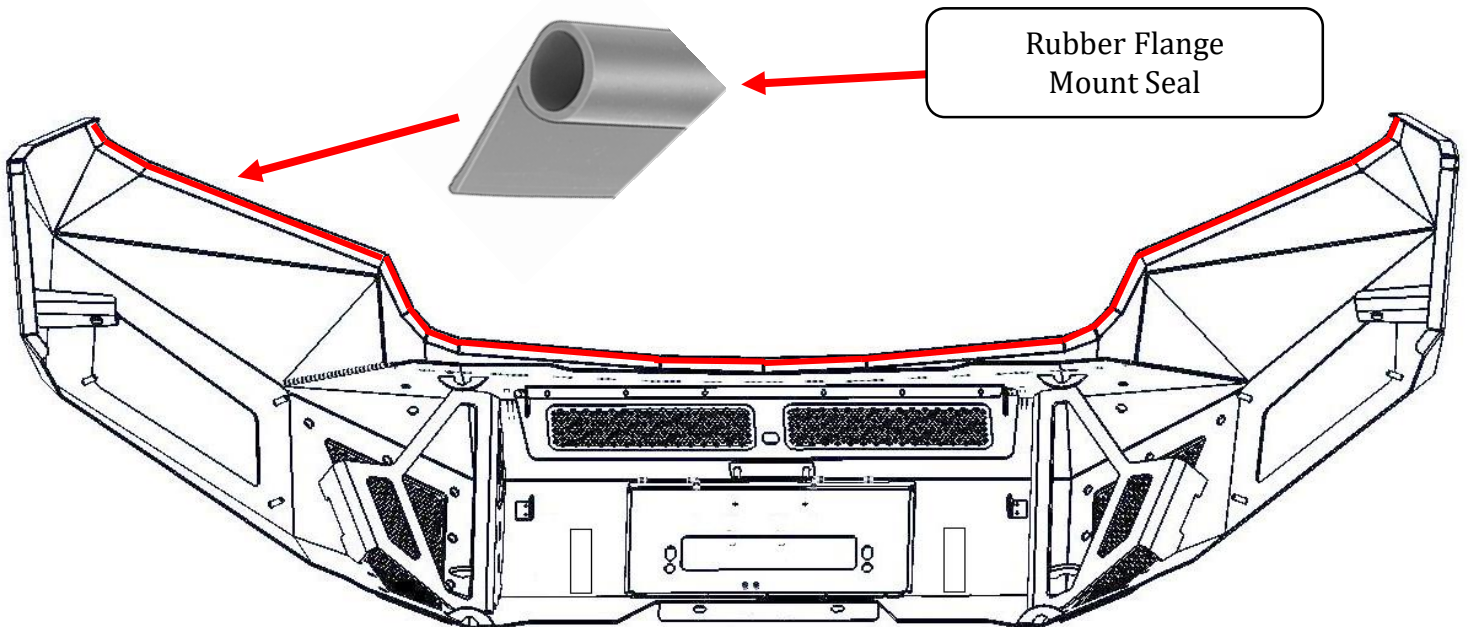


FIGURE-7

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INSTALLATION INSTRUCTIONS

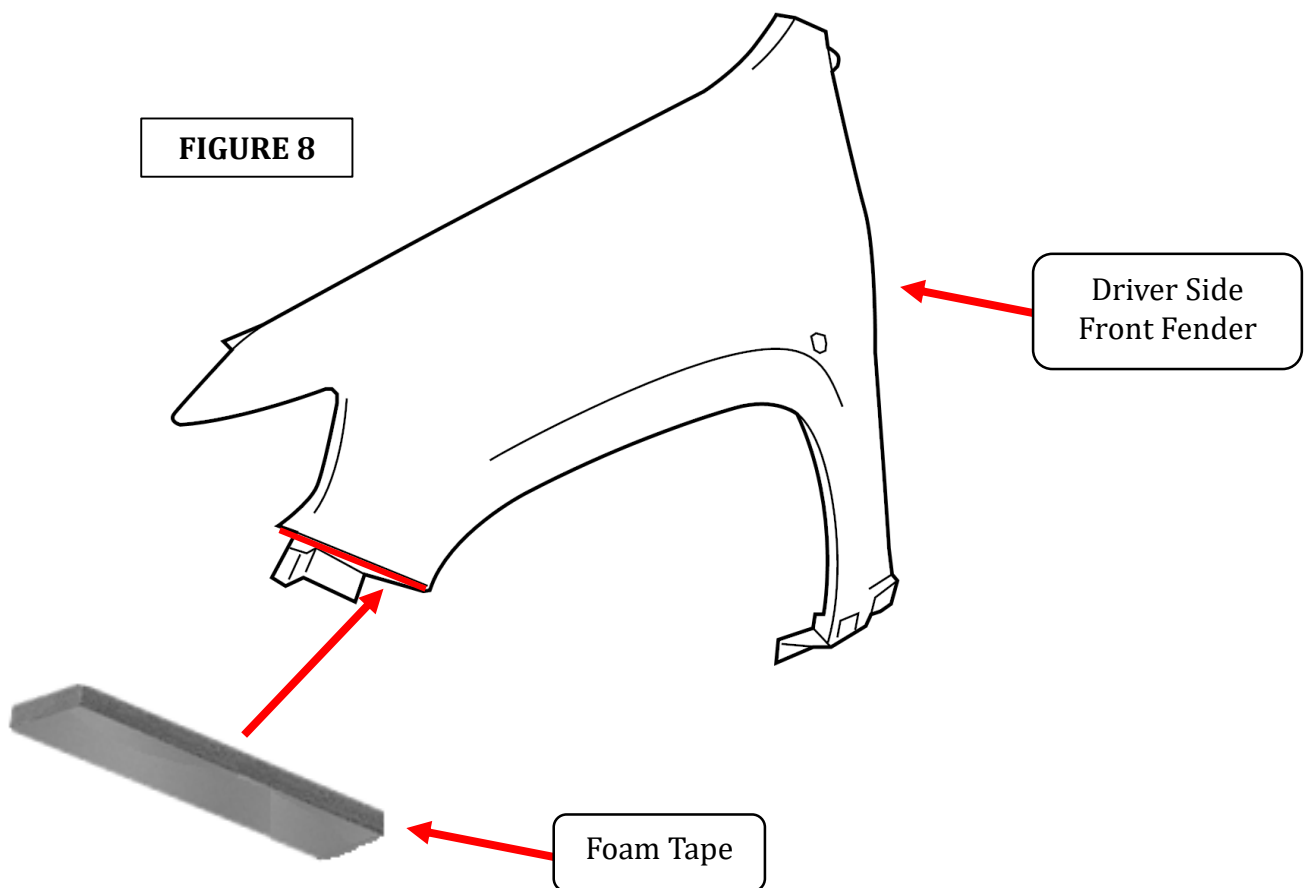
Foam Tape Installation

Step-1 The foam tape adhesive forms a better bond if applied when temperature is at least 60 degrees Fahrenheit.

Step-2 Clean the surface of the front fenders where the foam tape is to be applied with a 50/50 isopropanol and water mixture. Make sure no dirt or grease remains.

Step-3 Starting at one end, slowly peel the paper backing as you push, not stretching the foam tape into place.

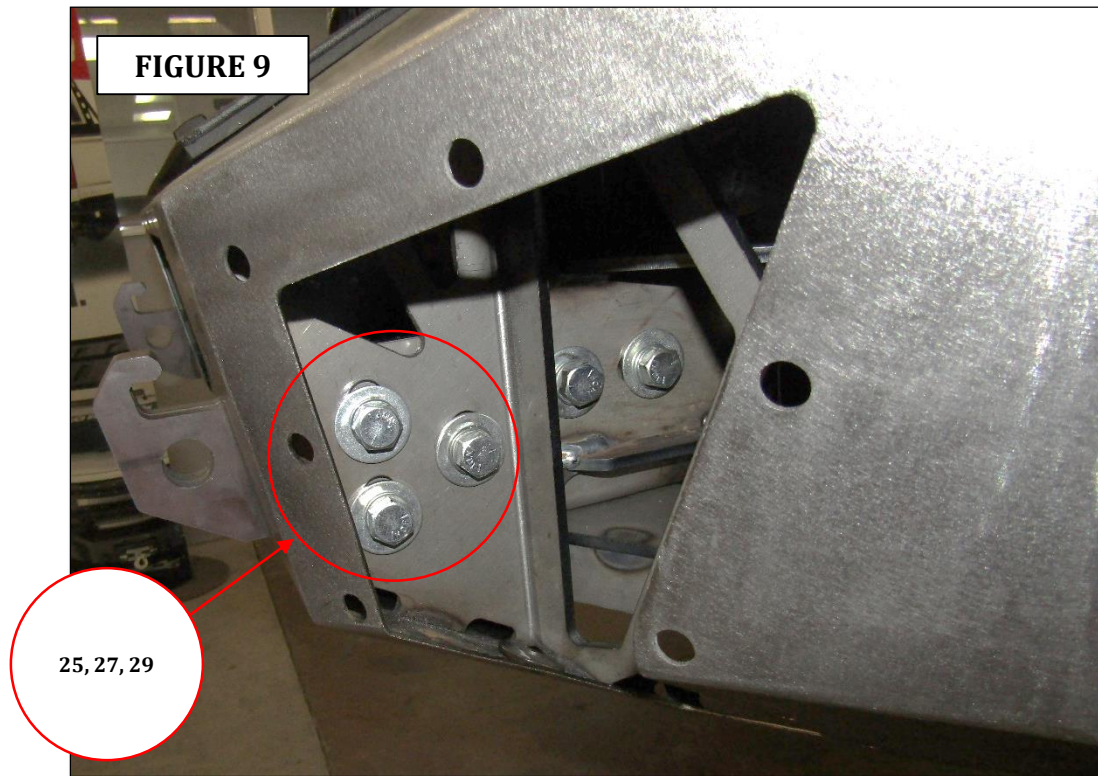
Step-4 Use scissors to trim the excess foam tape.





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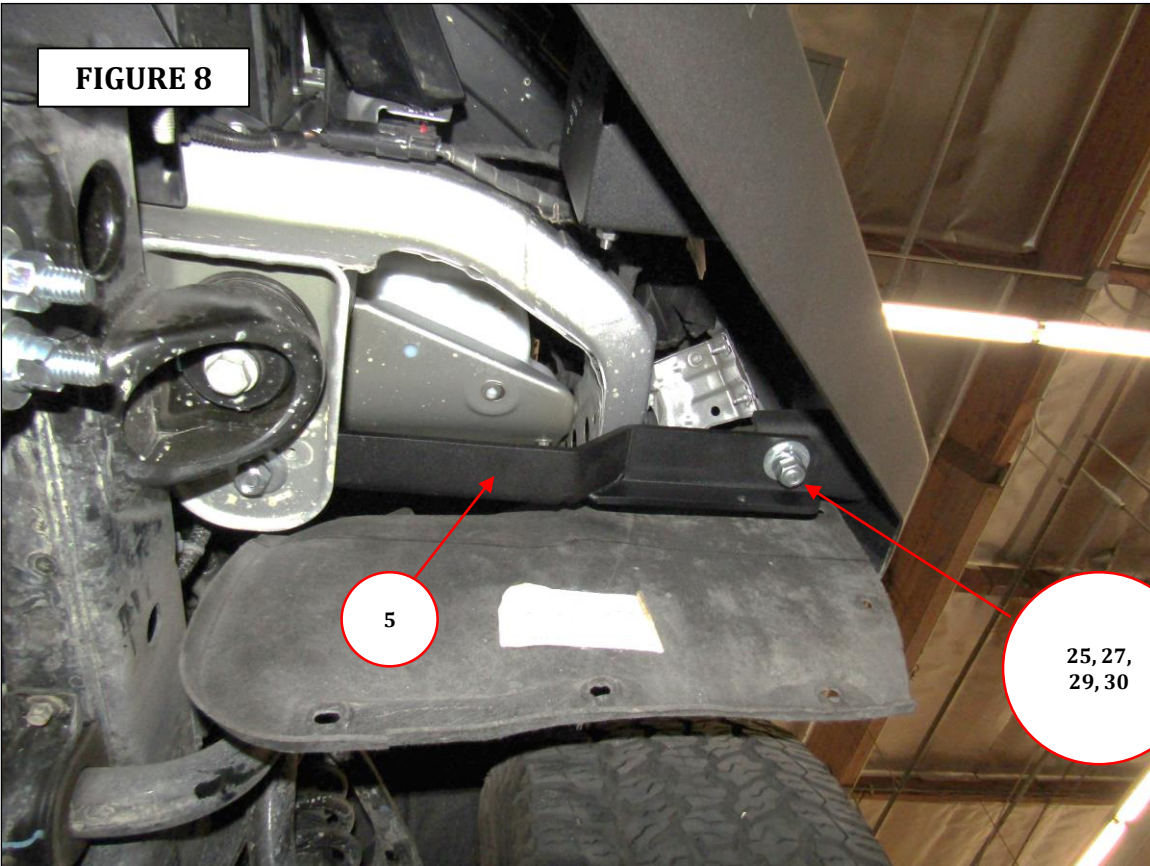
Step-7 With assistance lift the bumper shell up to the vehicle, align the holes in the bumper shell brackets with the holes in the frame brackets, and weld nuts on the winch tray. Secure the bumper shell bracket to each side of the winch tray using (3) $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " hex bolts, (3) $\frac{1}{2}$ " lock washers and (3) $\frac{1}{2}$ " flat washers, (FIGURE 9). Leave the bolts loose for final adjustment.



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Step-8 Attach the opposite end of each support bracket to the bumper shell bracket using (1) 1/2" x 1 1/2" hex bolt, (2) 1/2" flat washers, (1) 1/2" lock washer and (1) 1/2" hex nut, (FIGURE 8).



Step-9 With assistance, adjust and hold the bumper shell visual alignment position, then tighten all OEM and supplied nuts and bolts securing the brackets, winch tray and bumper shell.

Note: Verify that the hinged winch cover clears the vehicle grille when fully opened, before fully tightening all nuts and bolts.

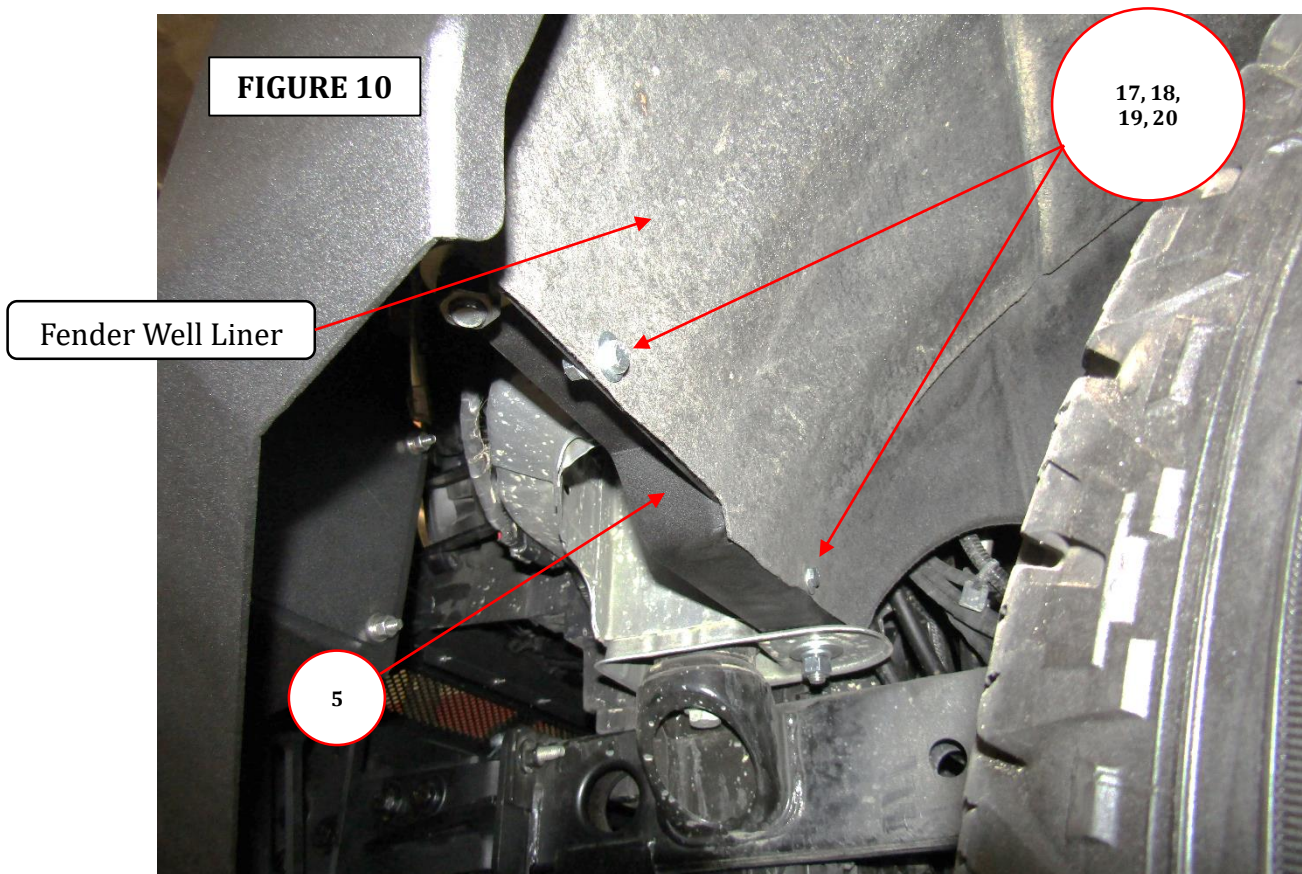
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INSTALLATION INSTRUCTIONS

Step-10 use the (2) holes in the support brackets as a guide and mark the hole location on the fender well liner.

Step-11 Drill 5/16" holes through the fender well liner at the marked locations.

Step-12 Secure the fender liner to the support bracket using (2) 1/4" x 1" hex bolts, (2) 1/4" flat washers, (2) 1/4" lock washers and (2) 1/4" hex nuts, (FIGURE 10). Use the contour of support bracket as a guide, cut and remove the excess fender well liner. Repeat on the passenger side of the vehicle.



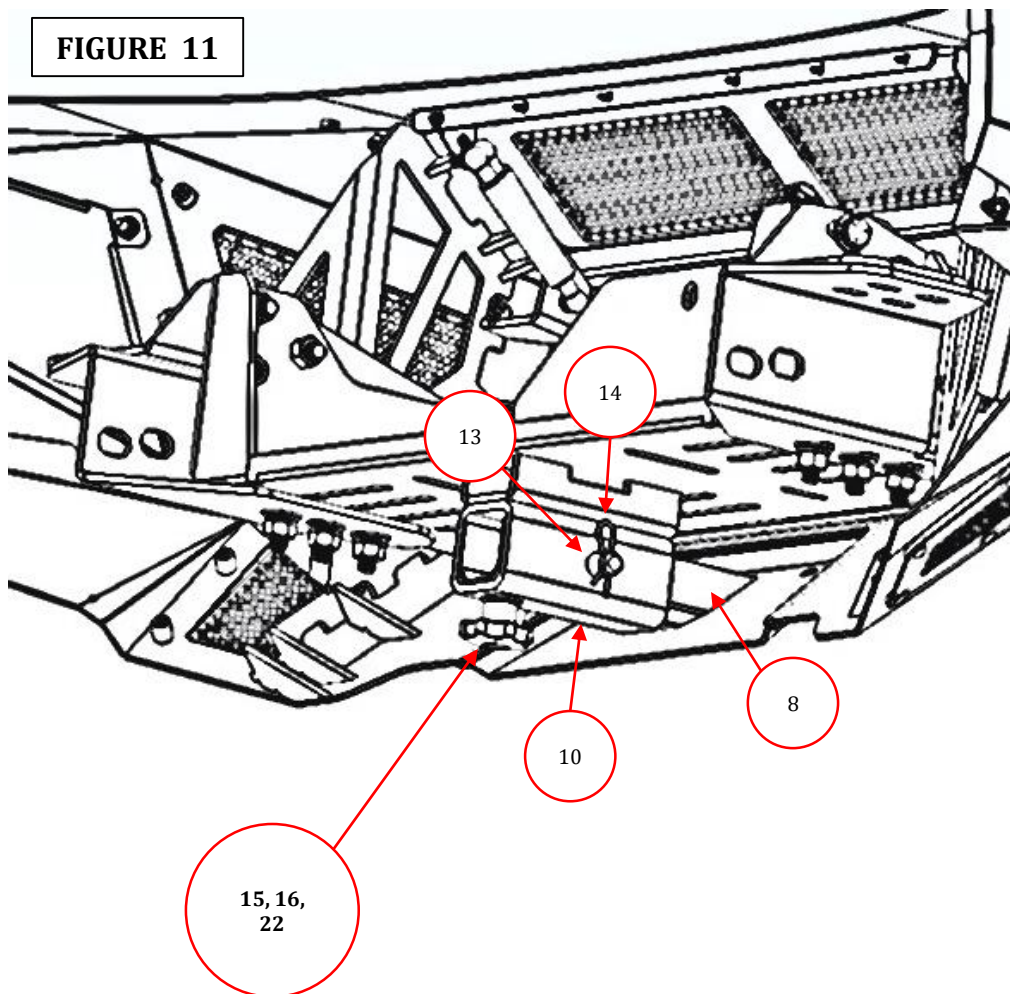
Step-13 If installing a winch, install the roller fairlead to the bumper shell at this time. Refer to the winch manufacturer's instructions for installation. If installing an BR bumper replacement optional light bar, install the light bar to the bumper replacement at this time. Refer to the light bar instructions for installation.

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Step-14 Insert the hitch cover bracket into the winch tray receiver tube, (FIGURE 11).

Step-15 Align and push the hitch pin through the holes in the winch tray receiver tube and hitch cover bracket, and secure the hitch pin with the hairpin cotter pin, (FIGURE 11).

Step-16 Assemble the threaded rod, 3/8" flat washer and knob. Position the threaded rod through the hole in the winch tray receiver tube, screw the rod into the hitch cover bracket then tighten, the knob (FIGURE 11).



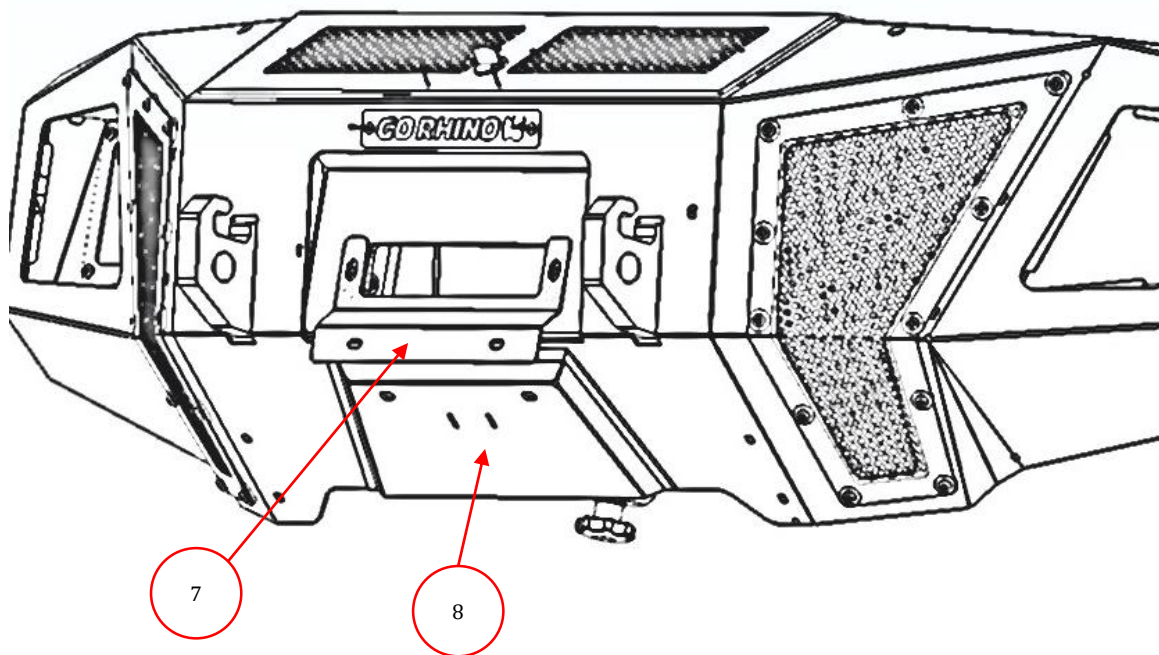
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Step-17 Re-install the passenger and driver side front vent covers to the bumper shell using the ¼" x 1" button head bolts, ¼" plastic flat washers and ¼" rubber rivet-nuts removed in step 6.

Step-18 If your state law requires a front license plate, attach the license plate bracket to the holes in the face of the bumper shell, using the supplied 3/8" bolts, washers and nuts. If installing a winch, attach the license plate directly to the holes in the hitch cover, (FIGURE-12).

FIGURE-12



Remember to check and retighten all factory and supplied nuts and bolts periodically.