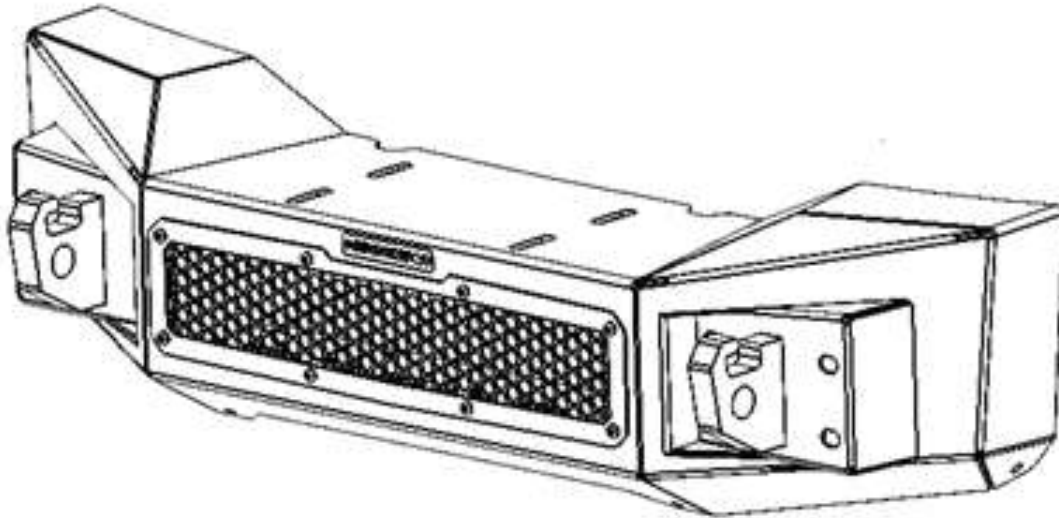


GO RHINO®

INSTALLATION INSTRUCTIONS



PART NO.

- 331100T

PRODUCT DESCRIPTION:

- ROCKLINE FRONT STUBBY WINCH BUMPER BUMPER

APPLICATION:

- JEEP WRANGLER JK & JL

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.**
- **Rockline Bumper is not rated to be used with vehicle tow bars or with towing equipment of any kind.**
- 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.

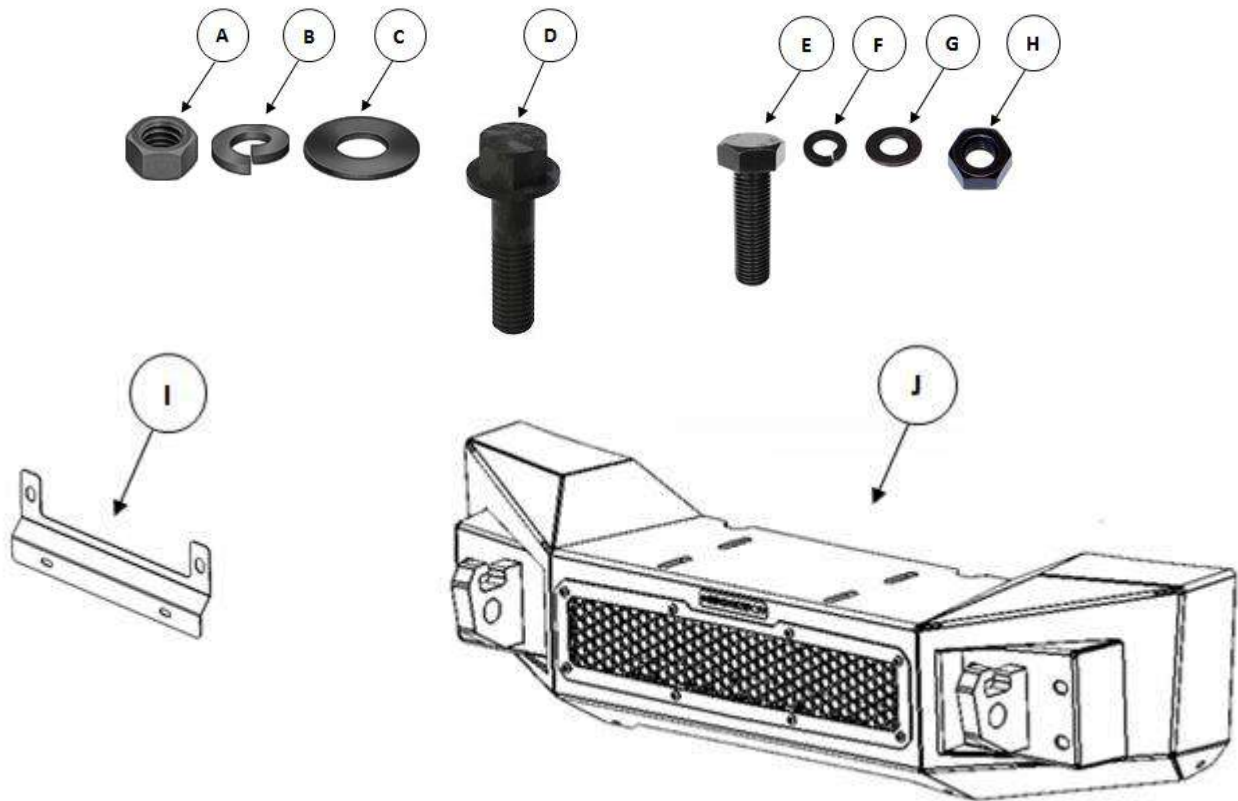
- Installation of some of these products may alter the factory sensor system performance.
- Factory sensors may read shackles or hooks protruding from the fairlead and or tow hooks.
- All sensor testing is completed by Go Rhino Products and or third party testing labs on modified vehicles.
- Sensor sensitivity, 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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INSTALLATION INSTRUCTIONS

PARTS INCLUDED IN THIS LIST:

ITEM	QTY.	DESCRIPTION	ITEM	QTY.	DESCRIPTION
A	8	1/2" Hex Nut	F	2	3/8" Lock Washer
B	8	1/2" Lock Washer	G	4	3/8" Flat Washer
C	16	1/2" Flat Washer	H	2	3/8" Hex Nut
D	8	1/2" x 1 1/2" Flange Head Bolt	I	2	License Plate Bracket
E	2	3/8" x 1 1/4" Hex Bolt	J	1	Rockline Stubby Front Bumper



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

TOOLS NEEDED FOR INSTALLATION:

- 8mm, 16mm, 18mm, 9/16" & 3/4" Sockets
- 9/16" & 3/4" Wrenches
- Slotted Screw Driver or Panel clip removal tool
- Ratchet, Ratchet Extensions & Swivel Joint Adapter
- Drill Motor & 1/2" Drill Bit

ESTIMATED TIME FOR INSTALLATION:

1 1/2 hrs.

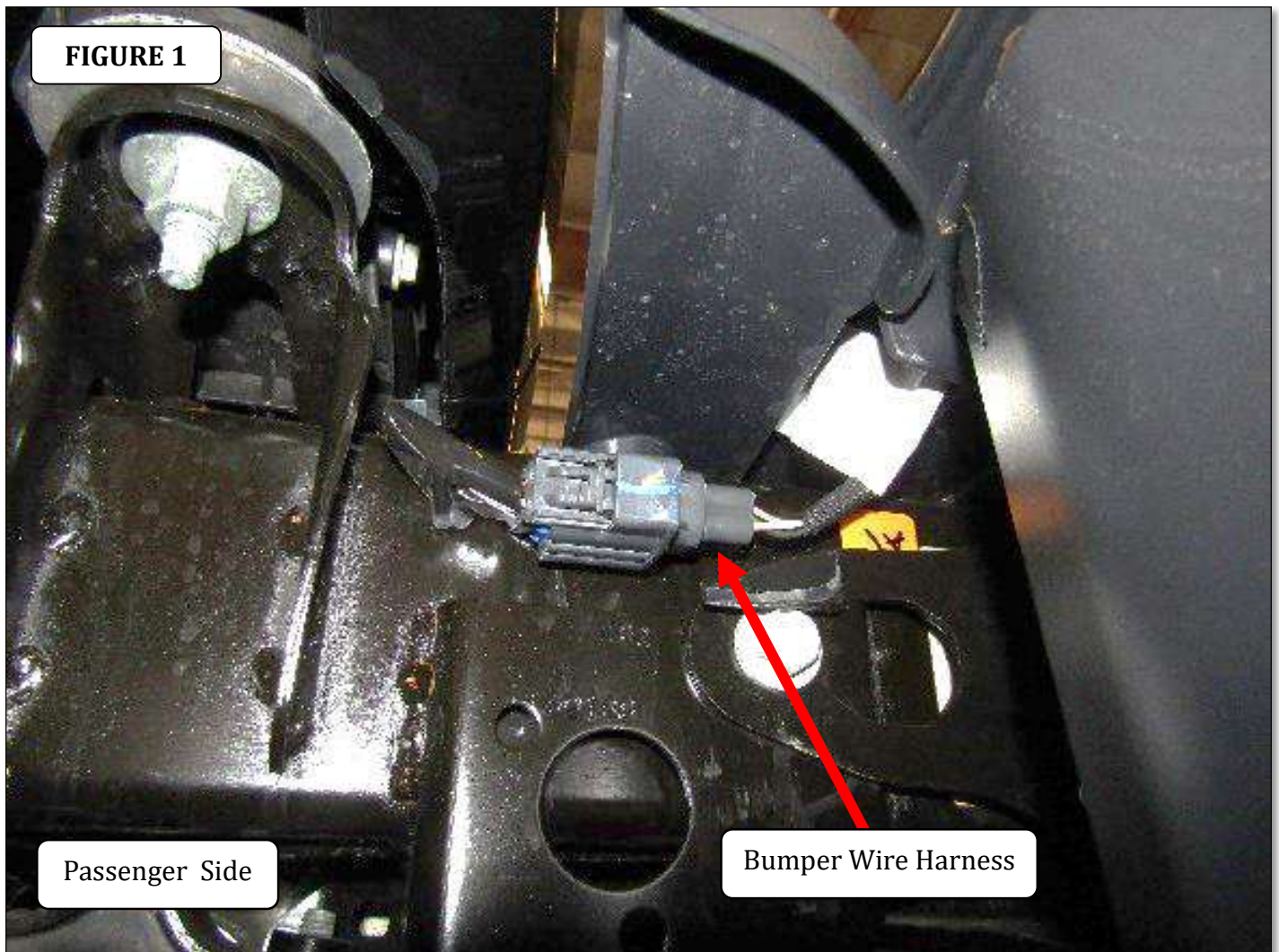
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INSTALLATION INSTRUCTIONS

Wrangler JL OEM Bumper Removal

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

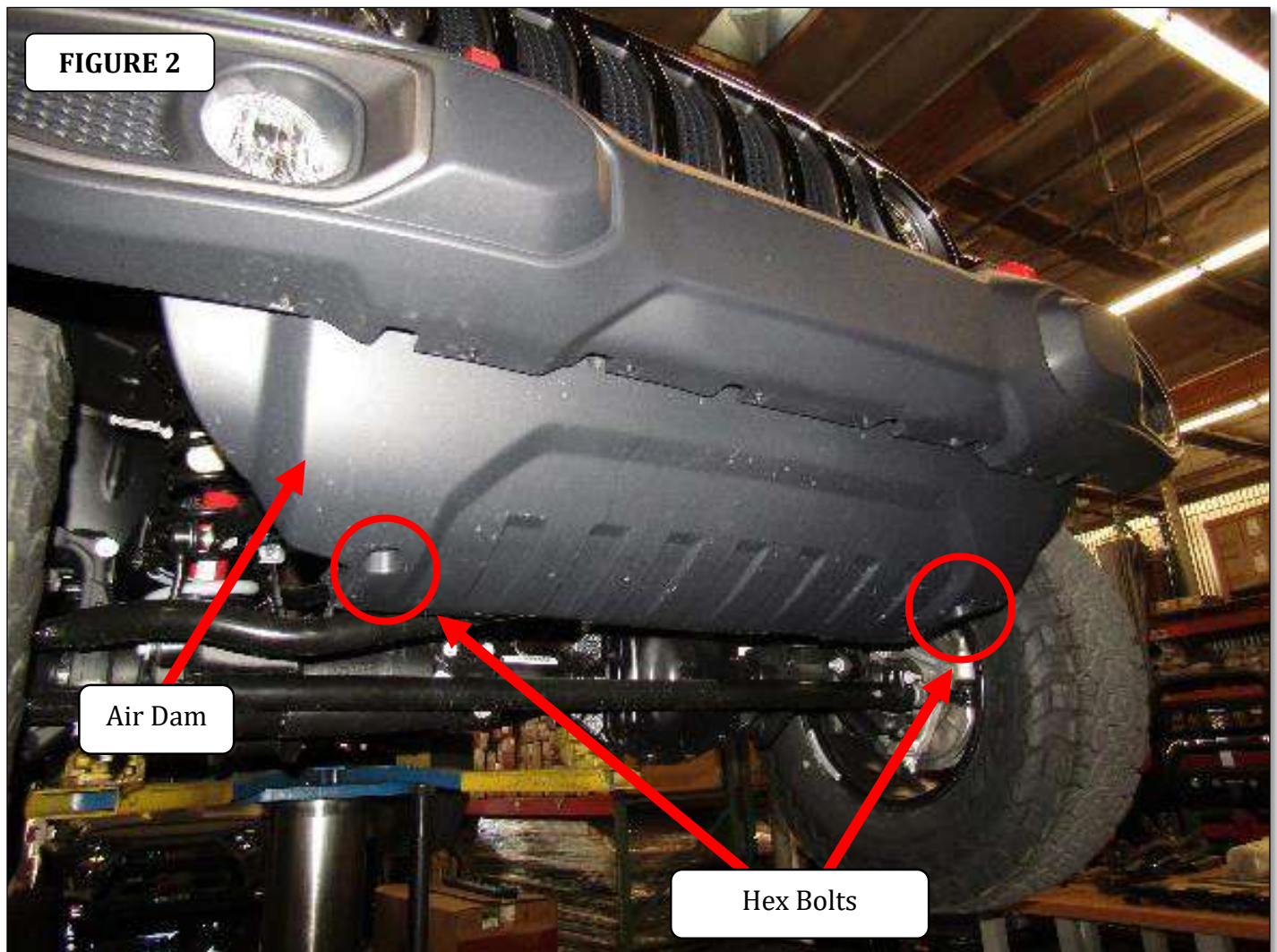
Step-2 On the passenger side, disconnect the bumper wire harness from the vehicle wire harness, (FIGURE 1).



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INSTALLATION INSTRUCTIONS

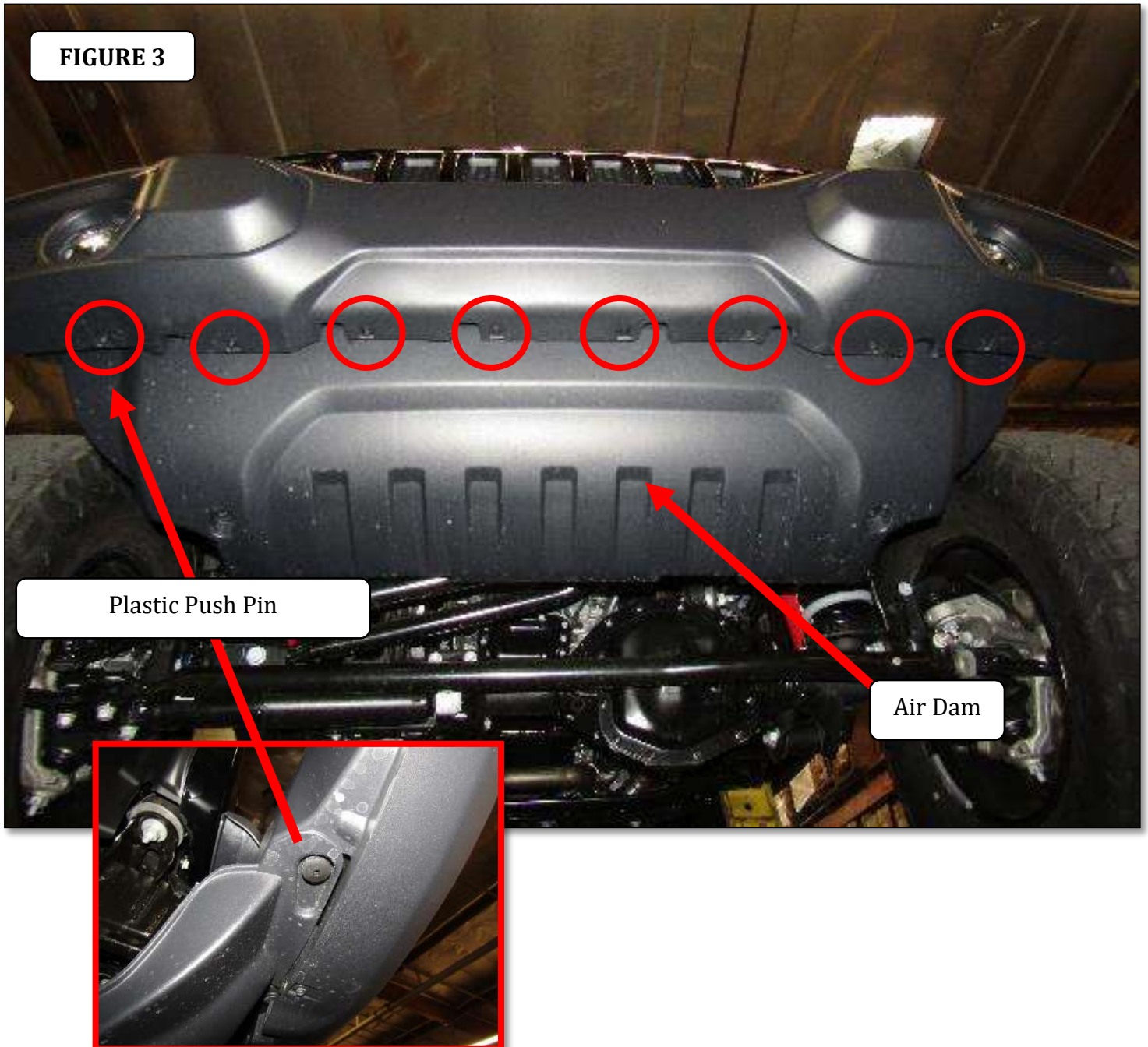
Step-3 Using an 8mm socket, remove (1) hex bolt on each side of the vehicle securing the air dam to the metal shield behind the air dam, (FIGURE 2).



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INSTALLATION INSTRUCTIONS

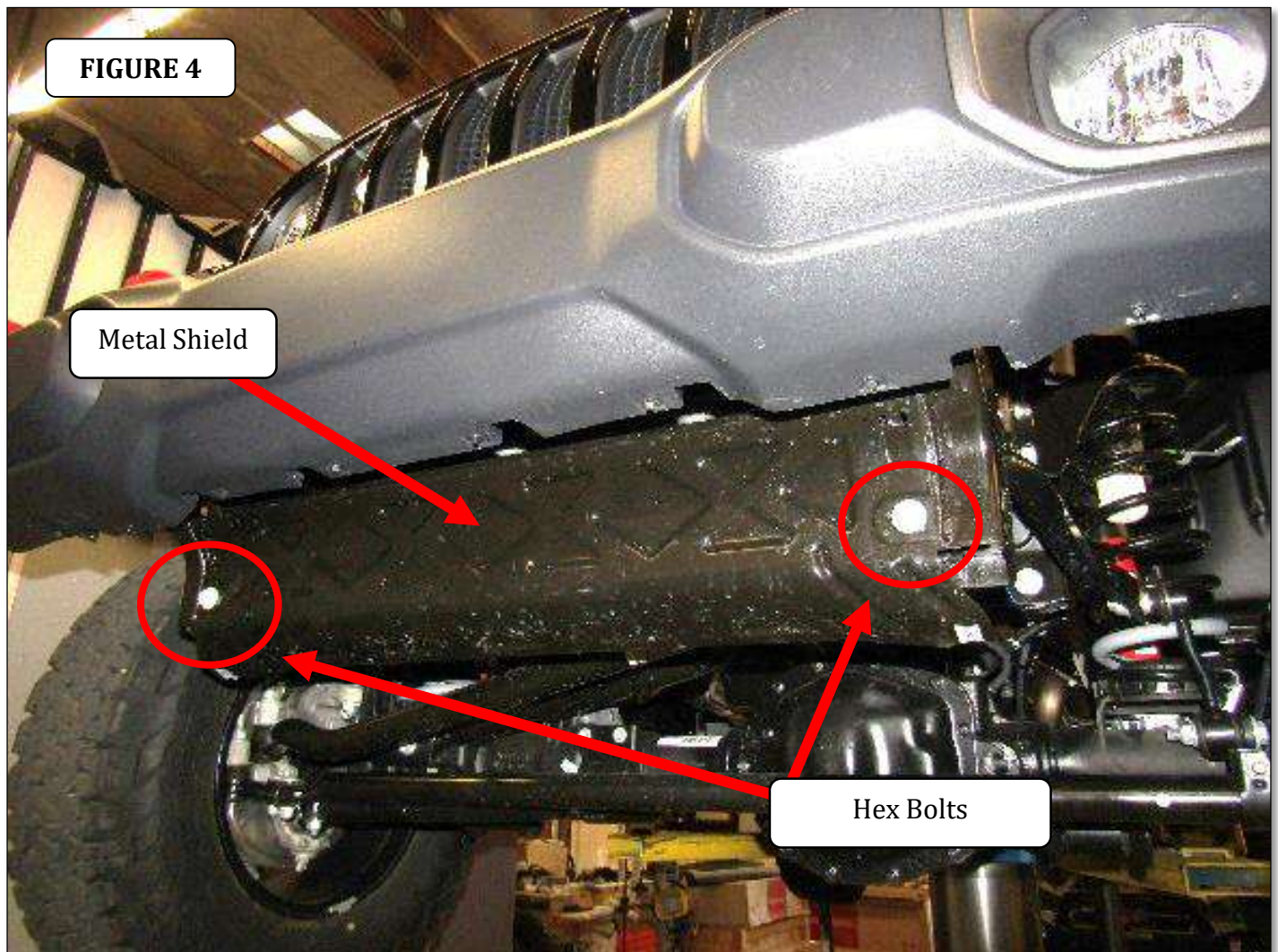
Step-4 Using a slot screwdriver or panel clip removal tool, remove the (8) plastic push pins securing the air dam to the bumper, (FIGURE 3). Remove the air dam from the vehicle.



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INSTALLATION INSTRUCTIONS

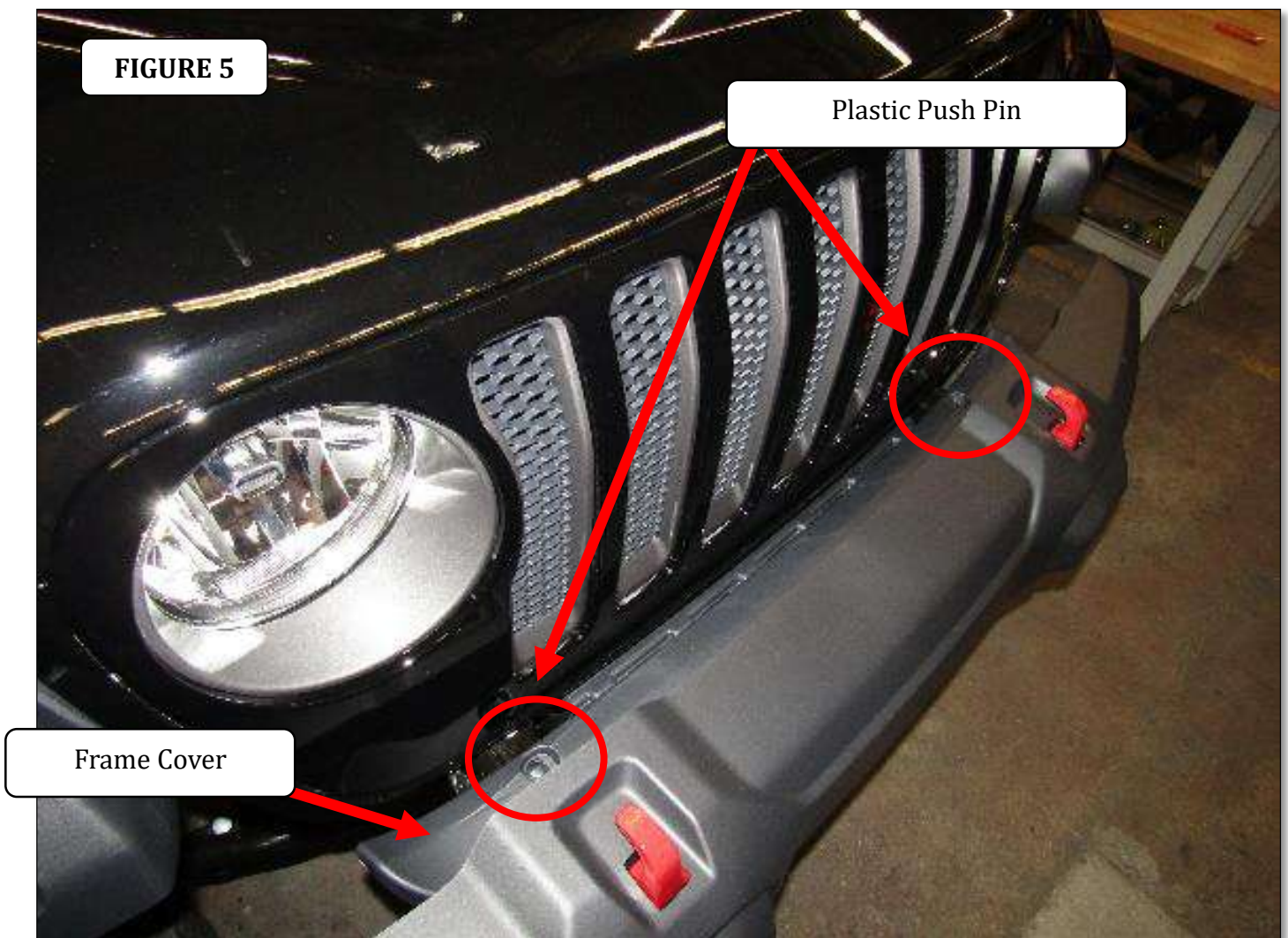
Step-5 Using a 16mm socket remove, the (2) hex bolts securing the metal shield to the frame, (FIGURE 4). Remove the metal shield from the vehicle.



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INSTALLATION INSTRUCTIONS

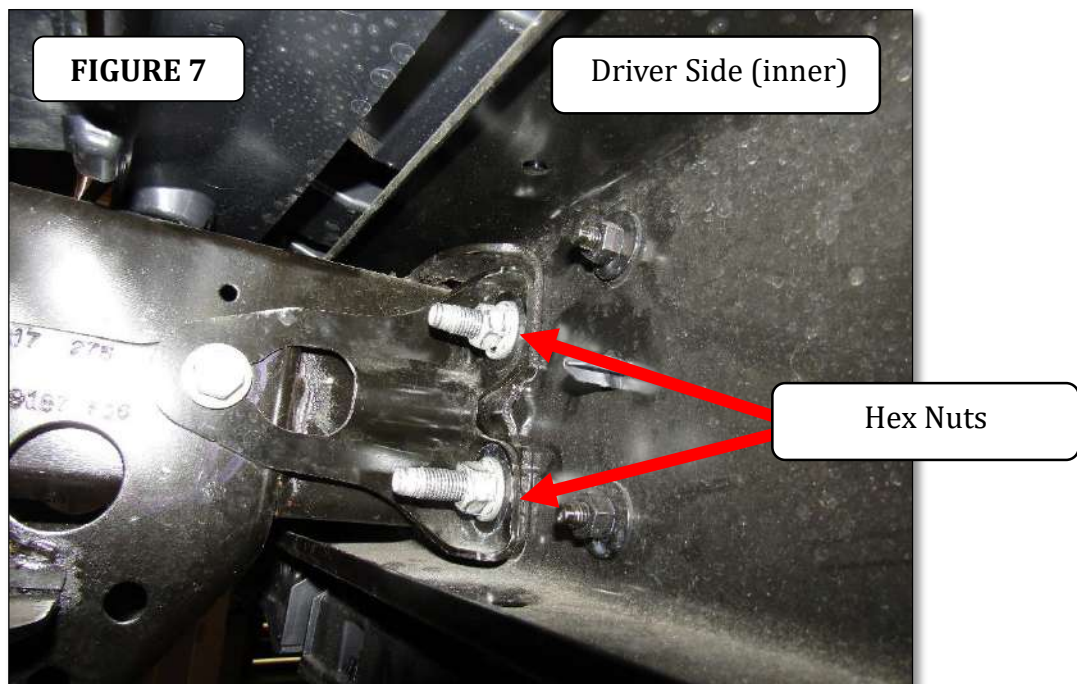
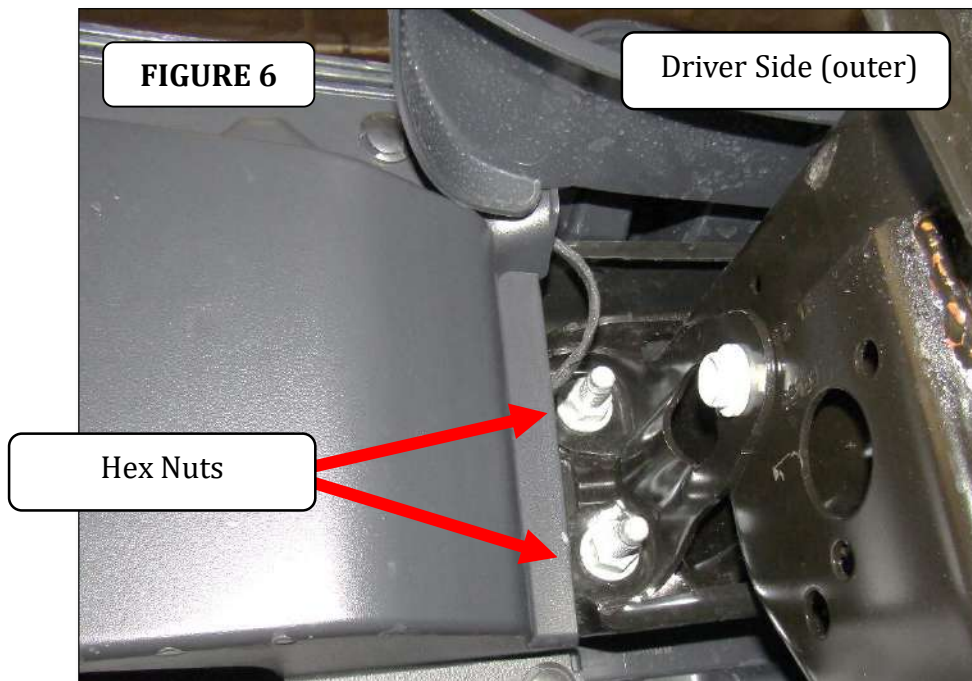
Step-6 on each side of the vehicle, use a slot screwdriver or panel clip removal tool and remove (1) plastic push pin securing the frame cover to the frame rail, (FIGURE 5).



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INSTALLATION INSTRUCTIONS

Step-7 On each side of the vehicle, use an 18mm socket and remove the (2) hex nuts from the studs on each side of the vehicle frame securing the OEM front bumper to the frame, (FIGURE 6 & 7).

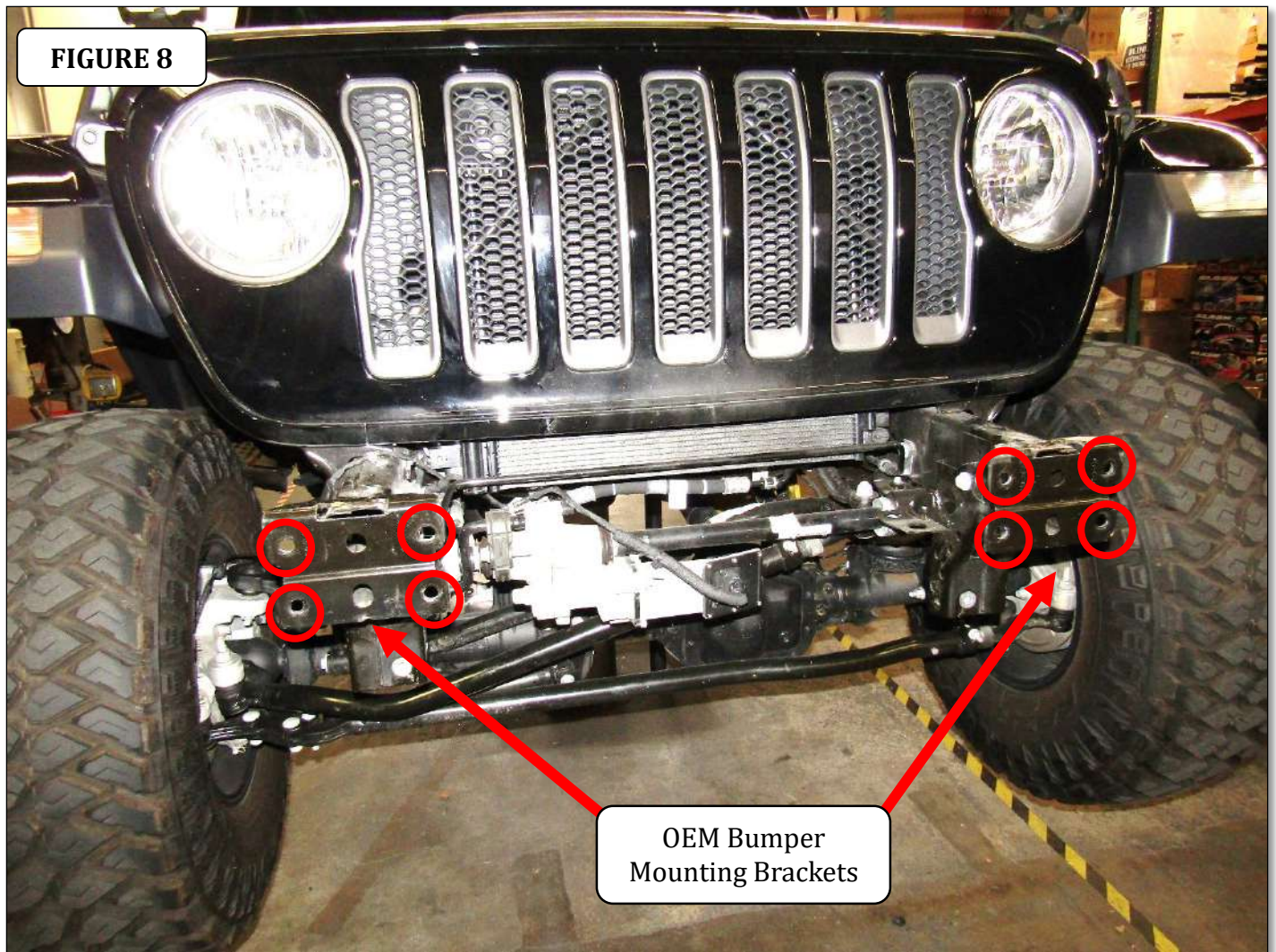


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INSTALLATION INSTRUCTIONS

Step-8 With assistance remove the OEM front bumper from the vehicle.

Step-9 On each side of the vehicle, drill the OEM bumper mounting bracket holes to 1/2", (FIGURE 8).



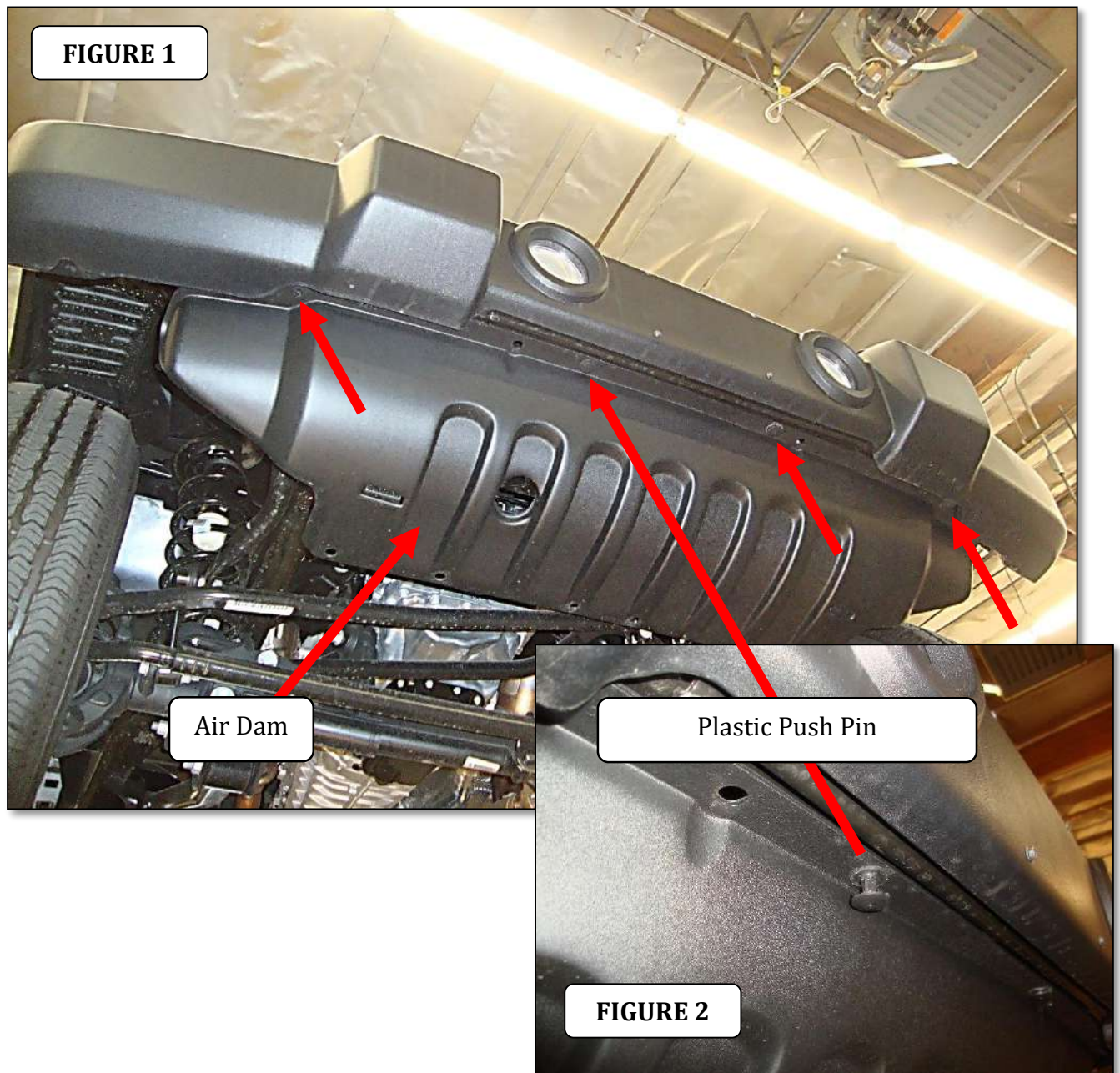
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INSTALLATION INSTRUCTIONS

Wrangler JK OEM Bumper Removal

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

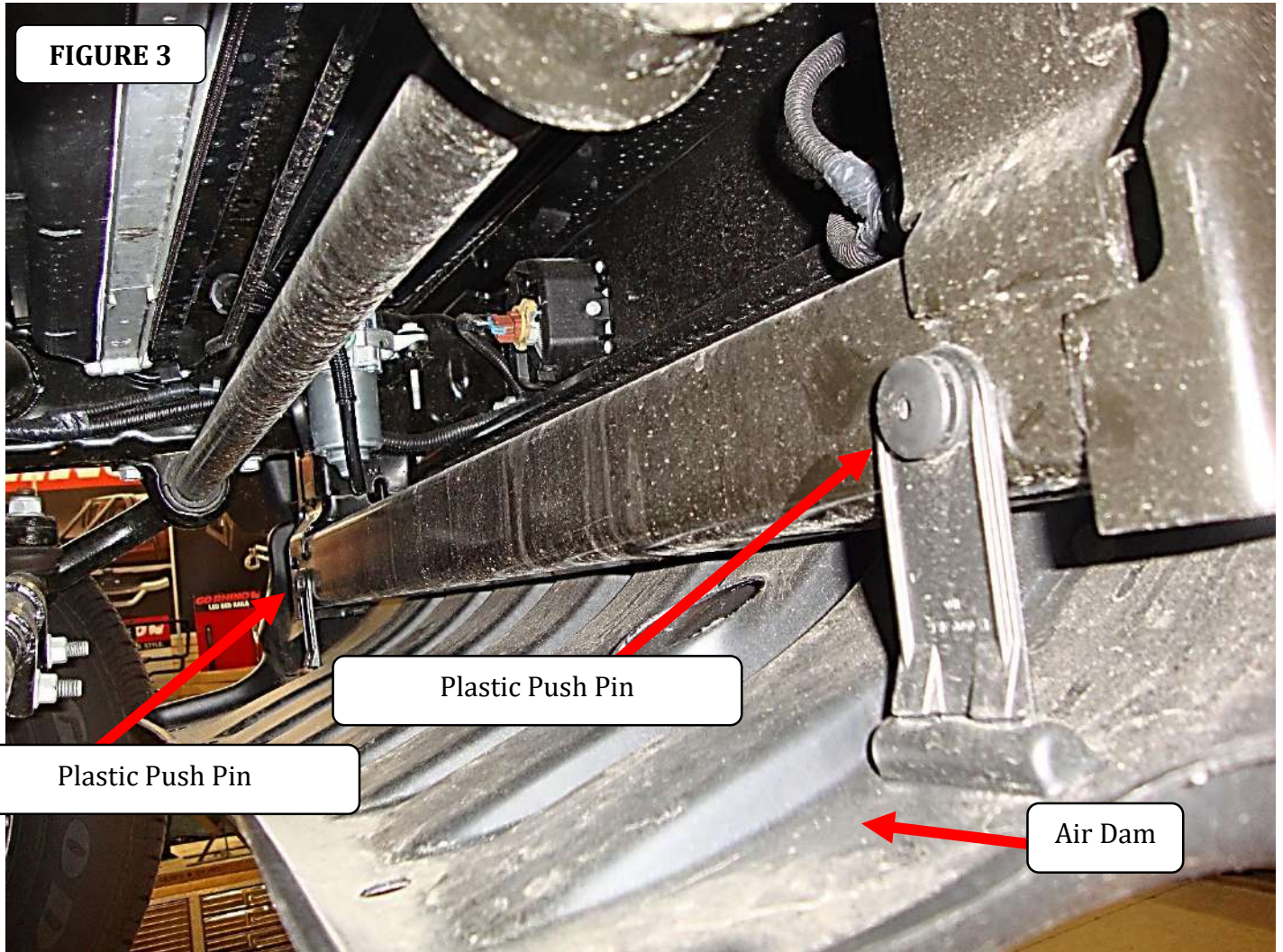
Step-2 Begin by using a slotted screwdriver, pry and remove the (4) plastic push pins securing the front of the air dam to the bottom of the factory bumper, (FIGURE 1 & 2).



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INSTALLATION INSTRUCTIONS

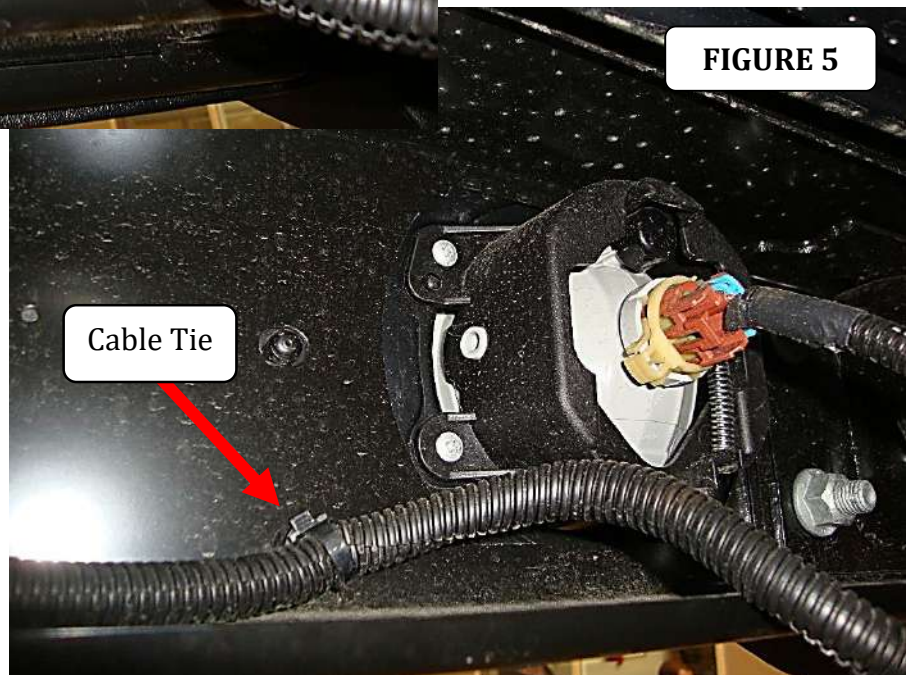
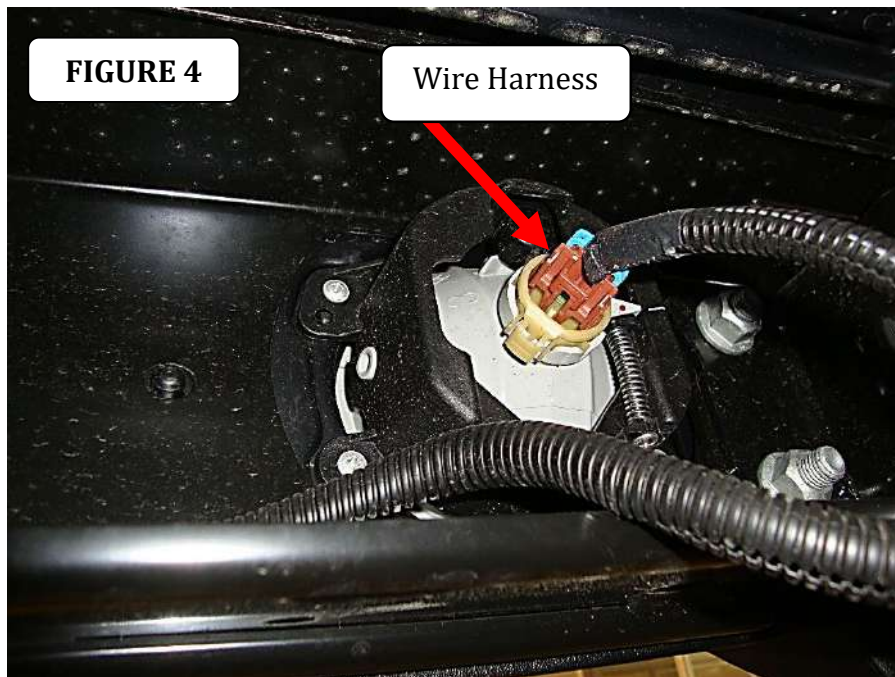
Step-3 Remove the (2) plastic pushpins securing the rear of the air dam to the frame cross member, and remove the air dam from the underside of the vehicle, (FIGURE 3).



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INSTALLATION INSTRUCTIONS

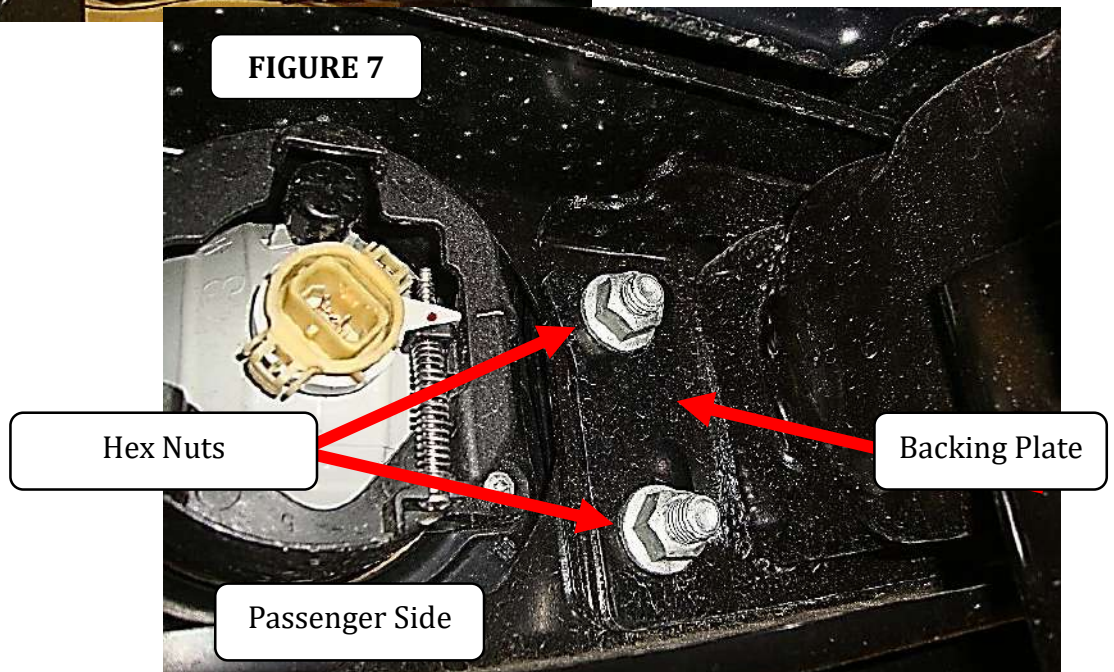
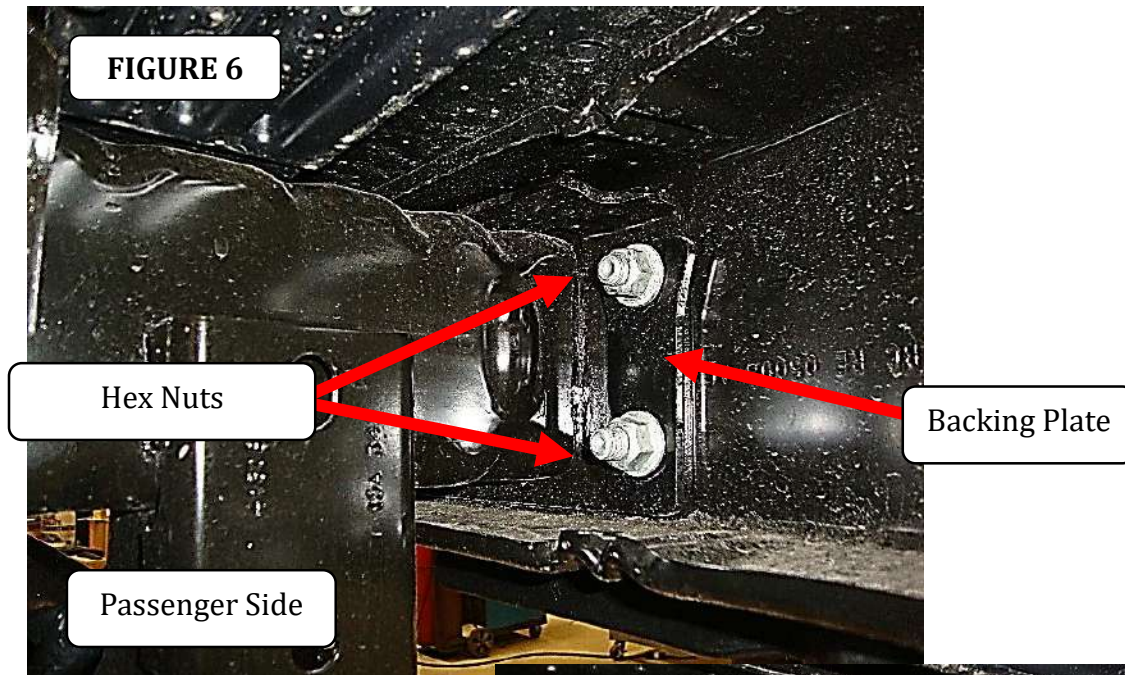
Step-4 If equipped, disconnect the wiring harness from the fog lights and unclip the cable ties securing the wiring harness to the factory bumper, (FIGURE 4 & 5).



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INSTALLATION INSTRUCTIONS

Step-5 On each side of the vehicle, remove the (4) hex nuts from the studs securing the factory bumper to the frame using an 18mm socket, (Figure 6 & 7). **Note:** Remove (4) backing plates behind the nuts and save for installation with supplied frame brackets.

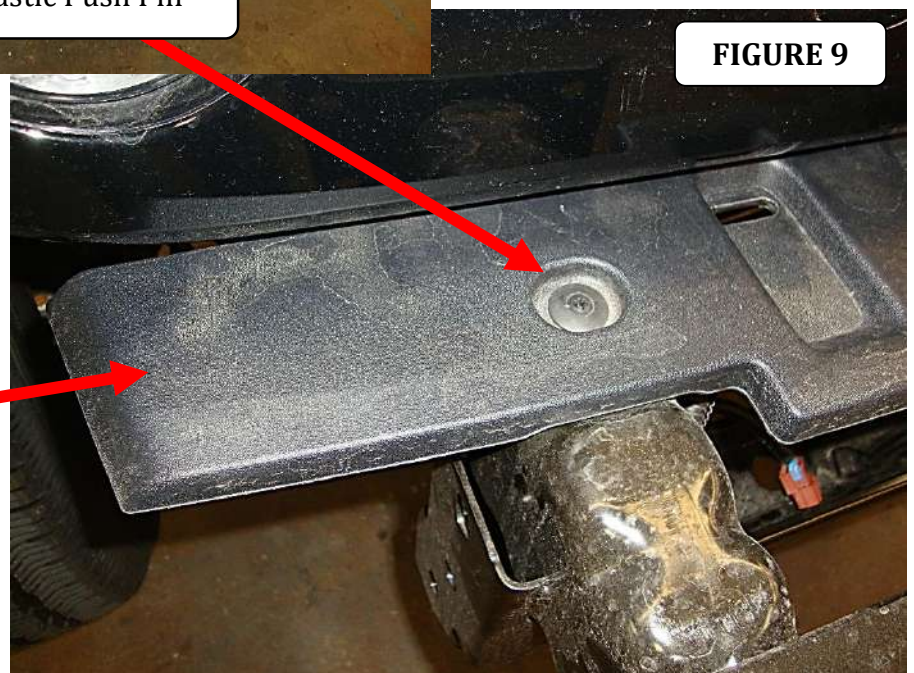
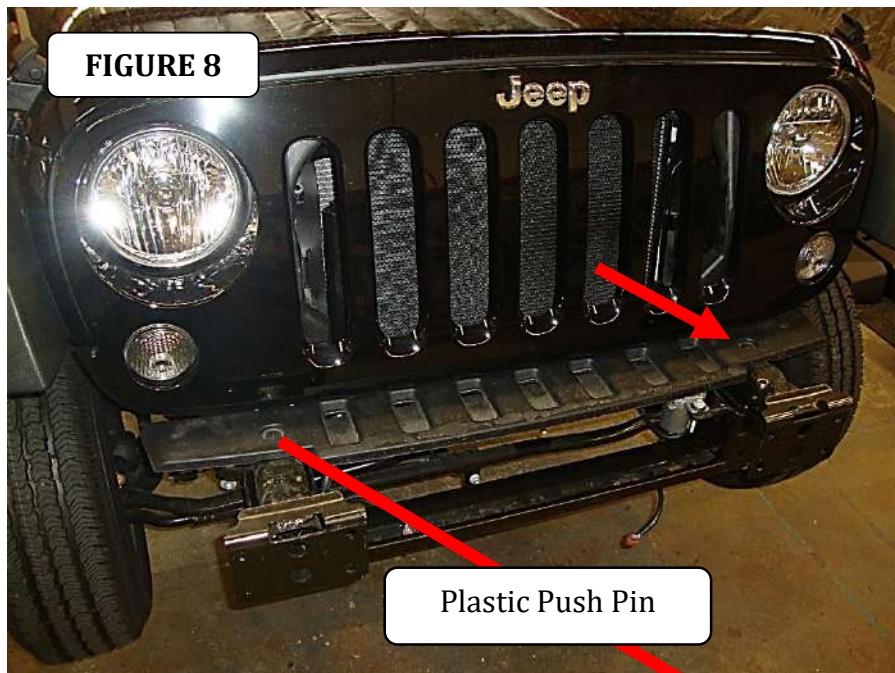


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INSTALLATION INSTRUCTIONS

Step-6 With assistance remove the factory bumper from the vehicle and set aside.

Step-7 Using a Phillips screwdriver remove the (2) fastener securing the frame cover to the top of the frame, (FIGURE 8 & 9). Remove the cover from the vehicle.

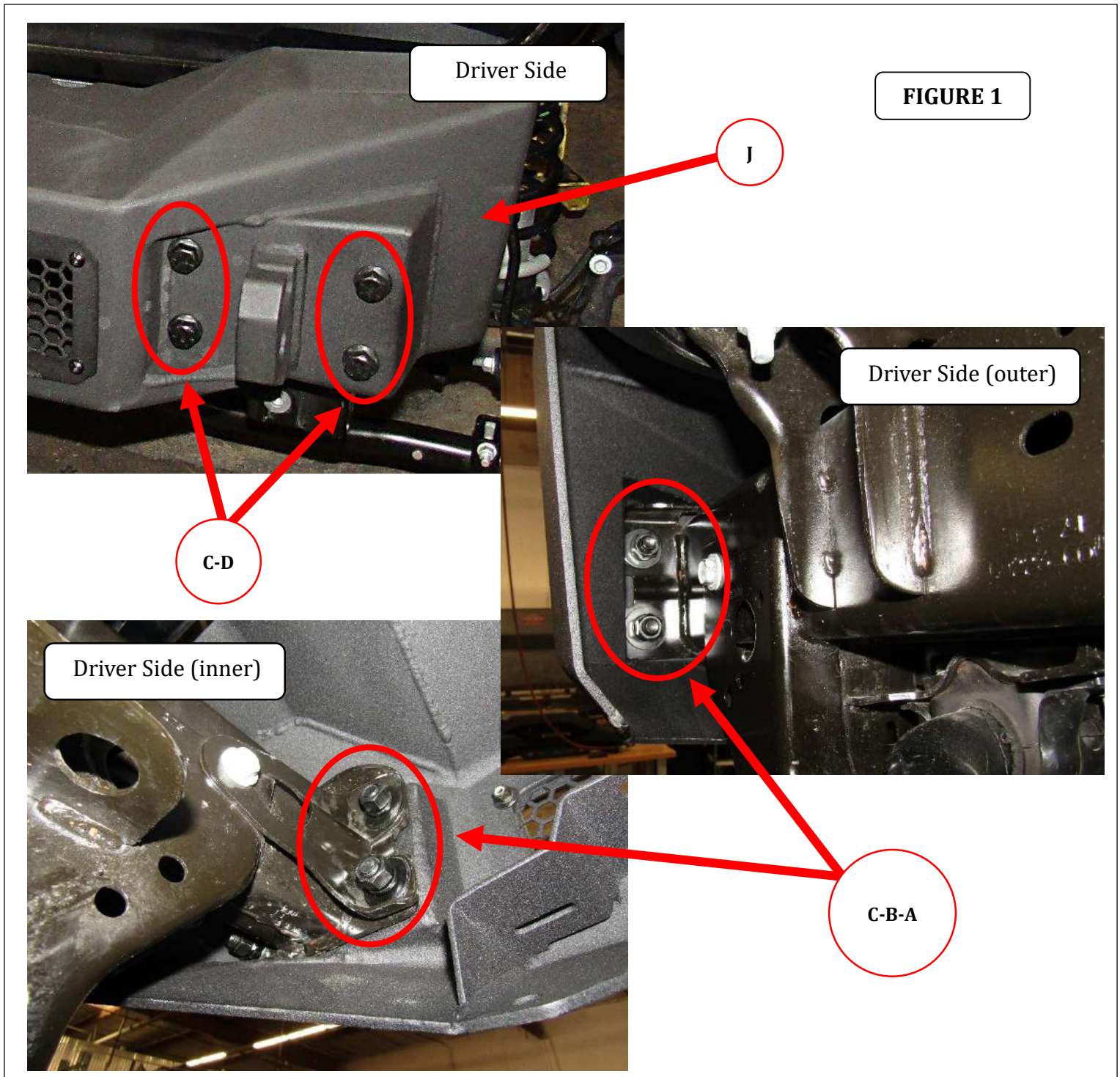


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INSTALLATION INSTRUCTIONS

Rockline Bumper Installation

Step-1 With assistance lift the Rockline front bumper up to the vehicle. Align the attachment holes in the face of the Rockline front bumper with the OEM bumper attachment holes on each frame rail, and attach the bumper to each frame rail using (4) ½" x 1 ½" flange head bolts, (8) ½" flat washers, (4) ½" lock washers and (4) ½" hex nuts, (FIGURE 1). Leave the nuts and bolts loose for final adjustment.



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INSTALLATION INSTRUCTIONS

Step-2 Align the Rockline front bumper with the vehicle, then tighten all nuts and bolts, (FIGURE 2).

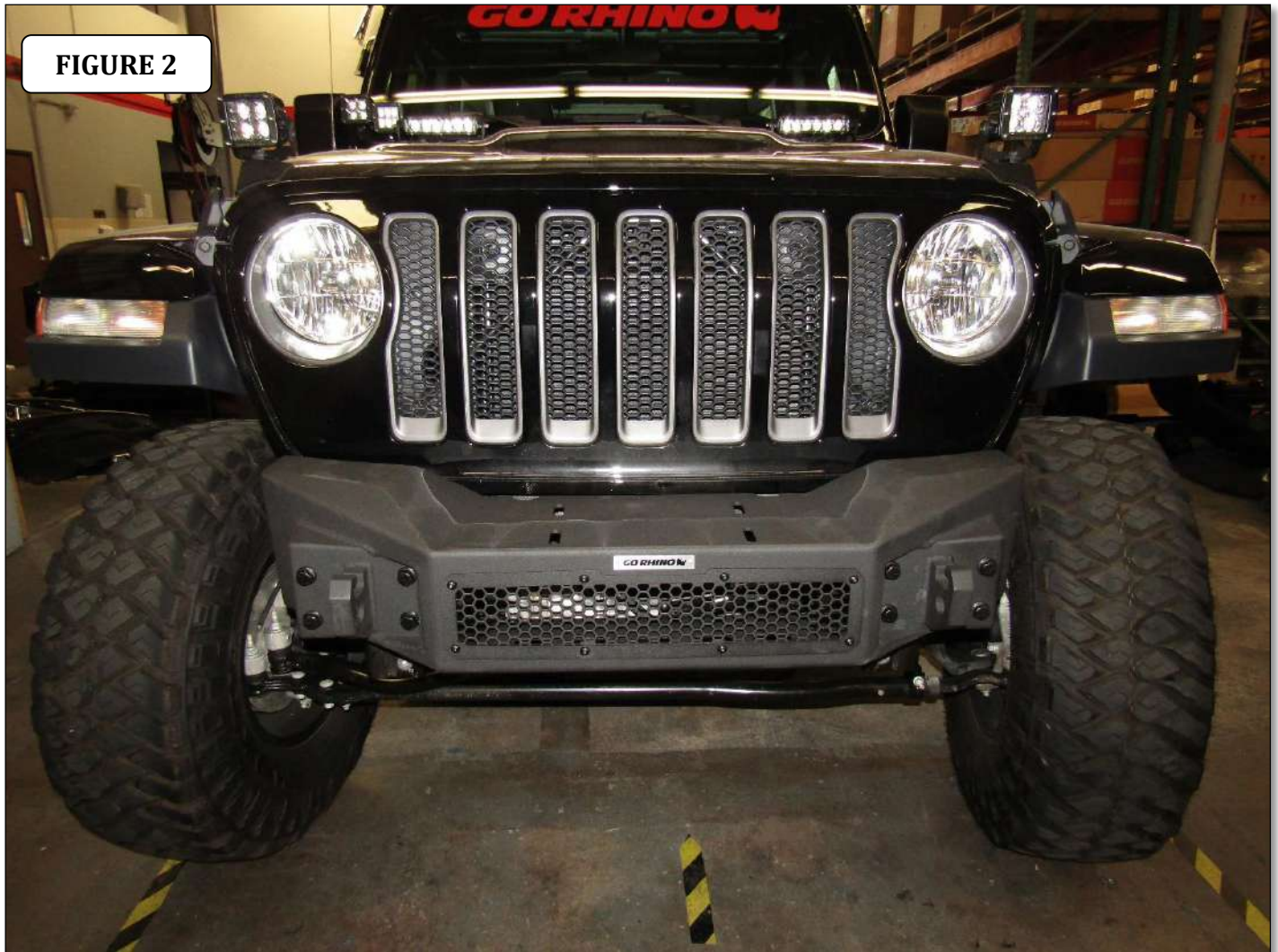


FIGURE 2

Remember to check and retighten all nuts and bolts periodically.

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INSTALLATION INSTRUCTIONS

Step-3 If your state law requires a front license plate, attach the license plate bracket to the holes in the lower face of the bumper shell, using the supplied 3/8" x 1 1/4" hex bolts, 3/8" lock washers, 3/8" flat washers and 3/8" hex nuts, (FIGURE 3). Tighten the nuts and bolts.

FIGURE 3

