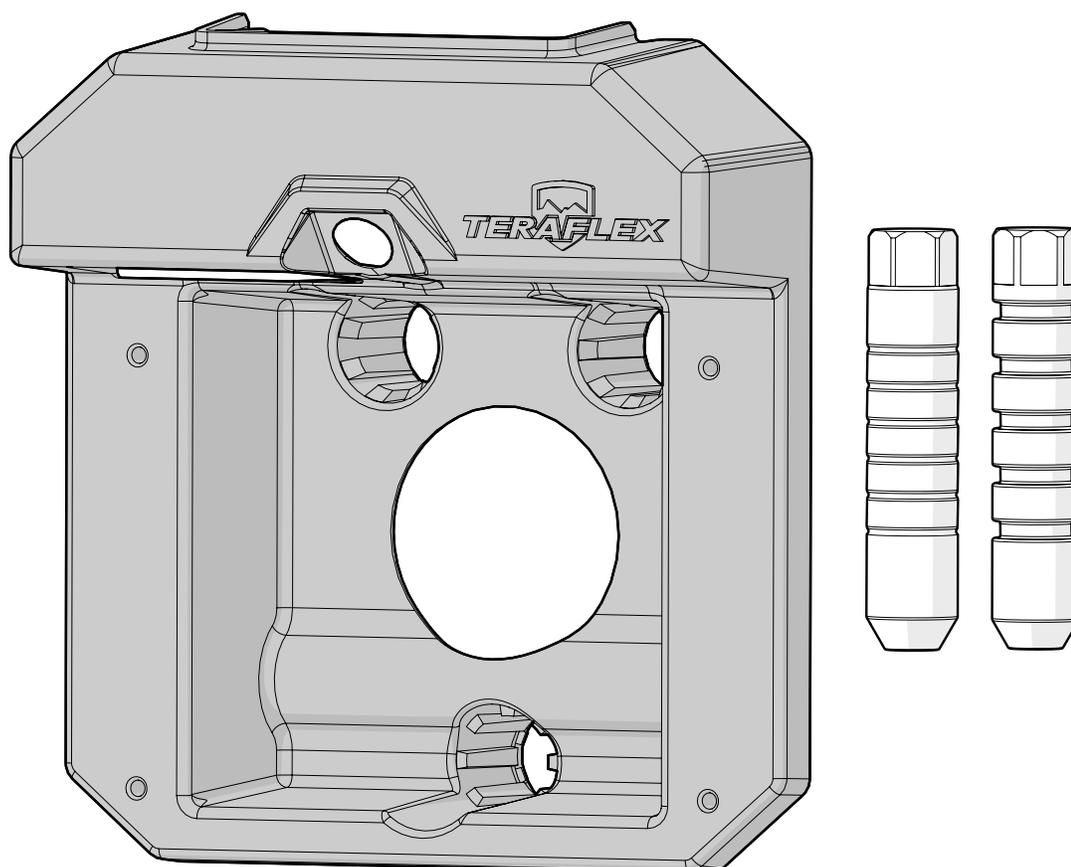




# JL Wrangler License Plate Holder

[www.TERAFLEX.com](http://www.TERAFLEX.com)

# 4838950



## Important Notes:

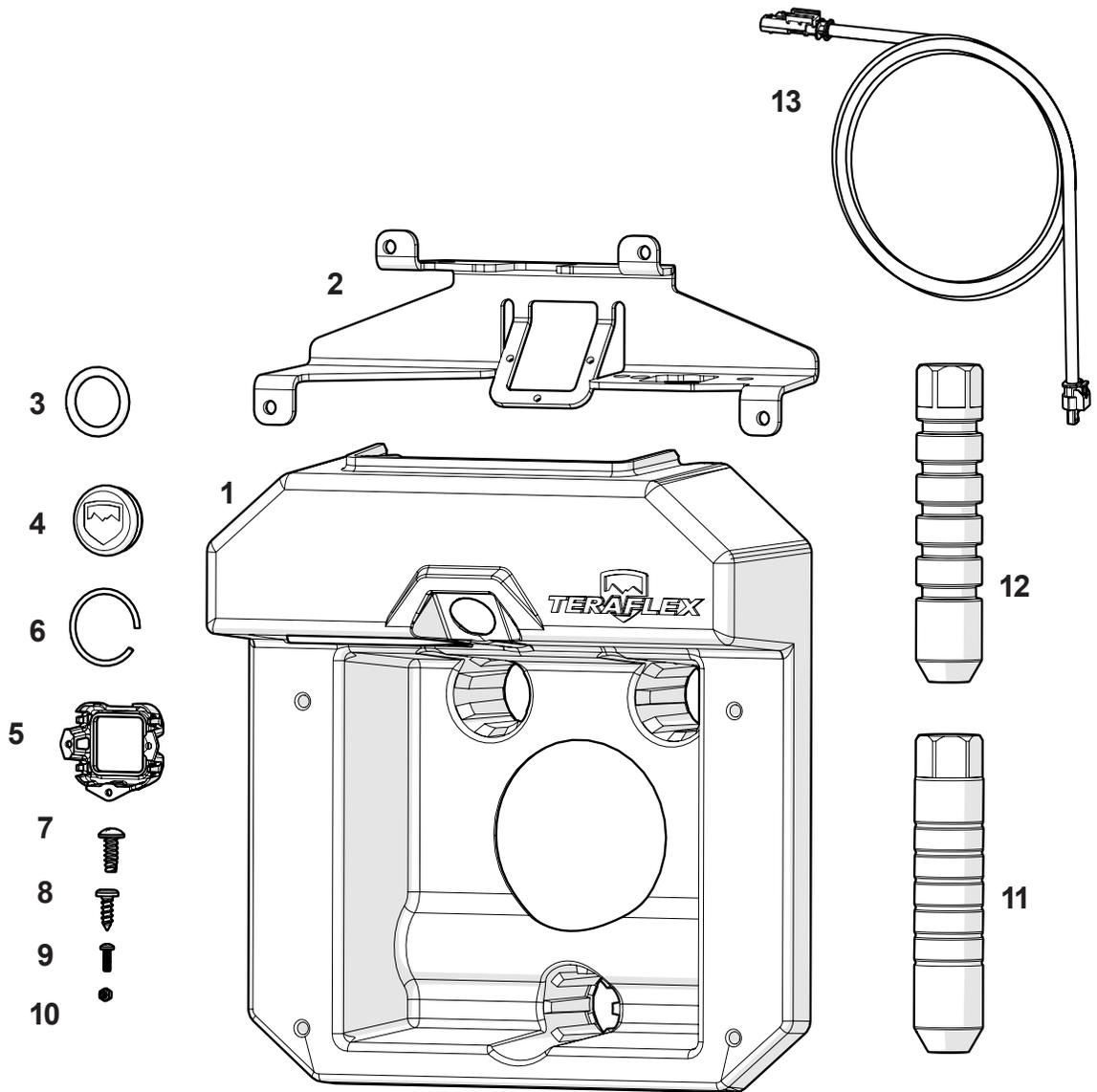
Prior to beginning this install, or any installation, read the instructions thoroughly to familiarize yourself with the required steps. Evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation instructions.

Refer to the parts list to ensure that all necessary components and hardware has been included. If any parts are missing please contact your local TeraFlex dealer for assistance.

**When reinstalling OEM hardware, refer to the torque specs given in the Factory Service Manual.**

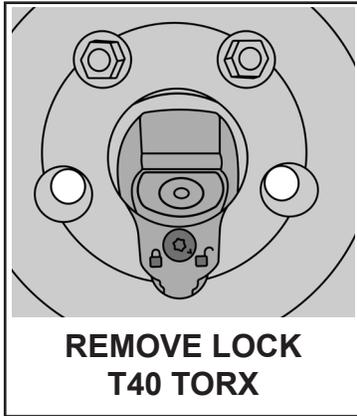
## Tools Needed:

- Metric Sockets and Open End Wrenches
- Torque Wrench
- Factory Service Manual
- General Mechanics Tools



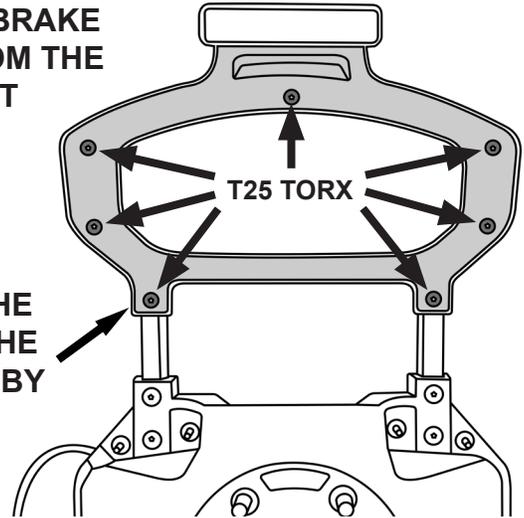
4838950 - JL Wrangler License Plate Holder			
Item #	Part No.	Description	QTY
1	15-15-009-003	Bracket (S), Tire Carrier, Jeep JL Wrangler, License Plate Holder	1
2	15-10-009-012	Accessory (S), Tire Carrier, Jeep JL Wrangler, Aluminum License Holder Plate	1
3	16-01-14-073-1	O-Ring (STD), English, Round X-Section, .139" Width (T), .734" ID	4
4	33-02-001-001	Tailgate (S), Spare Tire Delete, Jeep JL Wrangler, Rubber Plug / Backup camera	1
5	36-05-001-004	Accessory (S), Mount, Jeep JL Wrangler, Camera Adapter	1
6	42-01-07-102	Retaining Ring (STD), SS, 0.078" Wire Diameter, 1.024" Bore Diameter	1
7	45-09-007-002	Hardware (S), Rounded Pan Phillips Thread-Forming Screw, Stainless Steel, # 10-14 x 0.5"	4
8	45-09-007-004	Hardware (S), Rounded Pan Phillips Thread-Forming Screw, Stainless Steel, #8 x 0.5"	4
9	45-09-008-001	Hardware (S), Pan Head Phillips Screw, Stainless Steel, M2.5 x .45 x 8mm	3
10	45-19-200-001	Hardware (S), Nylon Lock Nut, SS, M2.5 x .45 x 2.5mm	3
11	47-07-001-002	Custom Hardware (S), Lug Nut, JL License Relocation, Hard Mount	1
12	47-07-002-001	Custom Hardware (S), Lug Nut, JL License Relocation, Rubber Mount	2
13	59-09-001-003	Electrical (S), Wire Harness, JL Wrangler, Extension	1

**REMOVE THE SPARE TIRE AND 3RD BRAKE LIGHT COVER**



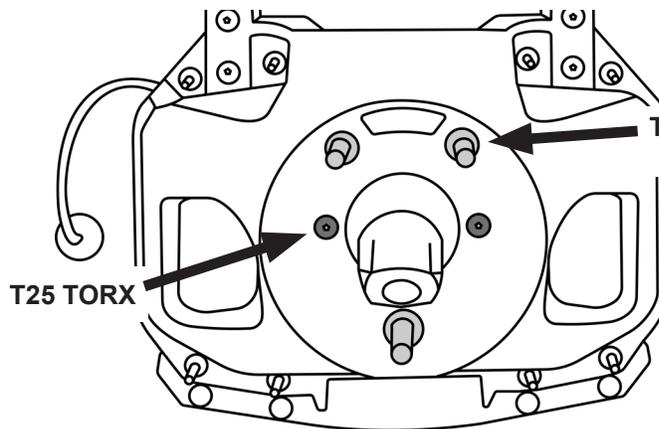
DISCONNECT THE BRAKE  
LIGHT CABLE FROM THE  
BRAKE LIGHT

STARTING AT THE  
BOTTOM, PRY THE  
PLASTIC APART BY  
HAND



**1**

**REMOVE THE TWO CAMERA HOUSING SCREWS AND TAP THE WHEEL STUDS WITH A  
HAMMER TO LOOSEN THE CAMERA HOUSING FROM THE TIRE CARRIER**

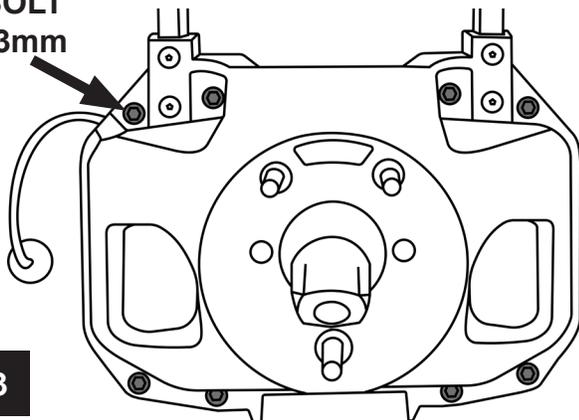


DISCONNECT THE  
CAMERA CABLE

**2**

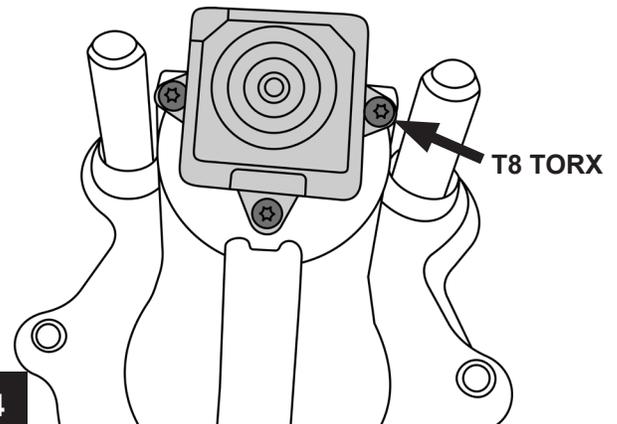
**REMOVE THE TIRE CARRIER FROM  
THE TAILGATE**

BOLT  
13mm



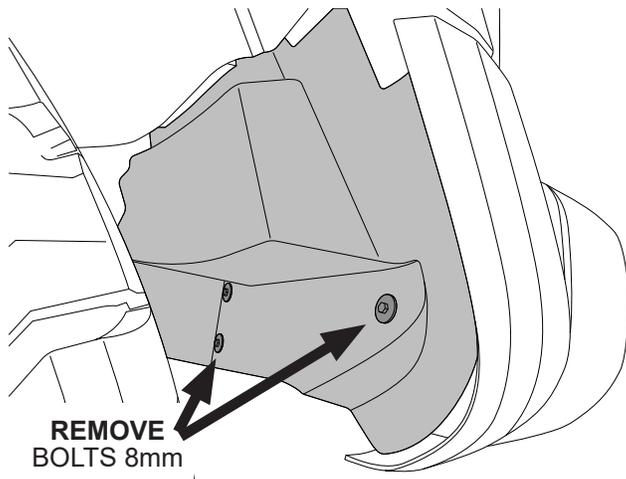
**3**

**REMOVE THE CAMERA FROM  
THE HOUSING**



**4**

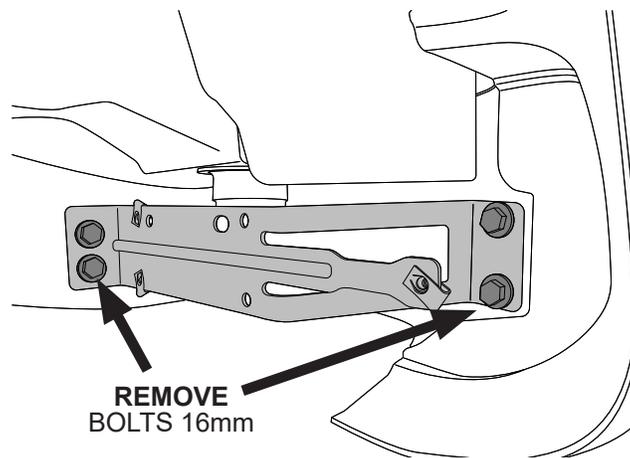
**NOTE: BUMPER NEEDS TO BE REMOVED TO REMOVE LICENSE PLATE LIGHT**  
**REMOVE FENDER LINERS LOCATED BEHIND REAR TIRES**



**NOTE: INSTEAD OF REMOVING BUMPER TO REMOVE LICENSE PLATE LIGHT A LIGHT CAN BE PURCHASED SEPARATELY FROM MOPAR (PART # 68310837AA)**

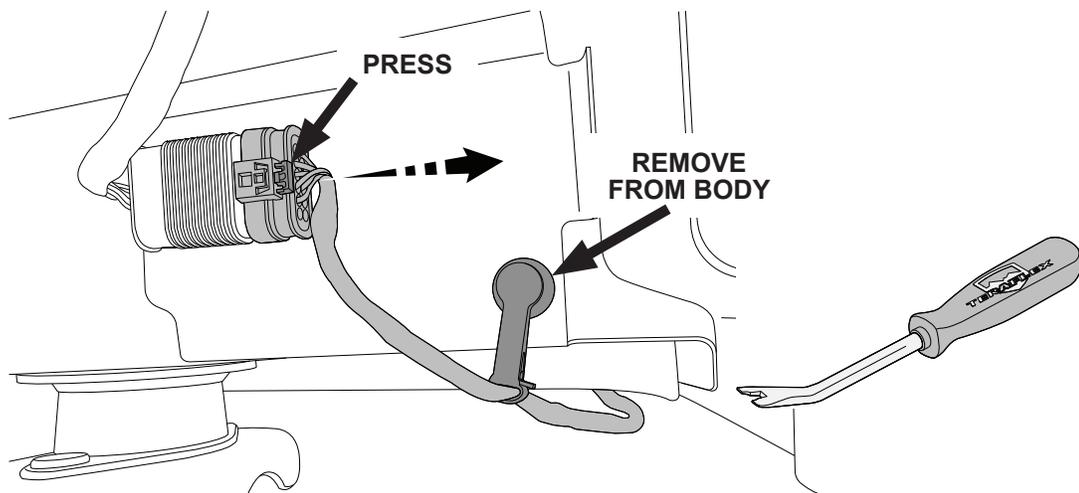
**5**

**REMOVE OUTER MOST BUMPER BRACKETS**



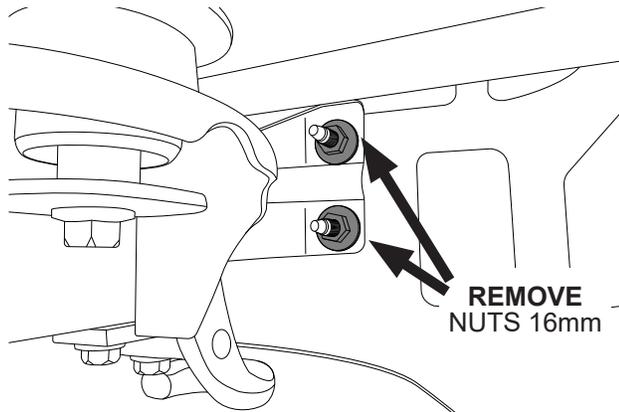
**6**

**DISCONNECT BUMPER WIRING HARNESS LOCATED BEHIND DRIVER REAR TIRE**



**7**

**REMOVE REMAINING BUMPER BOLTS/NUTS AND REMOVE BUMPER**

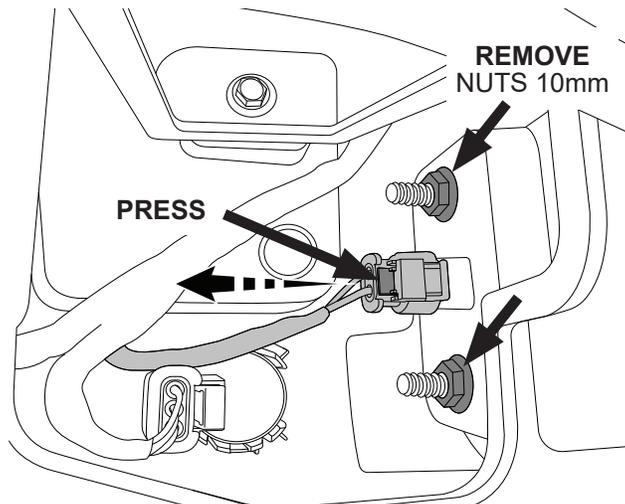


**NOTE: PLASTIC BUMPERS  
WILL HAVE BOLTS**

**NOTE: STEEL BUMPERS  
WILL HAVE 2 EXTRA BOLTS  
LOCATED ON THE BOTTOM  
THAT WILL NEED TO BE  
REMOVED**

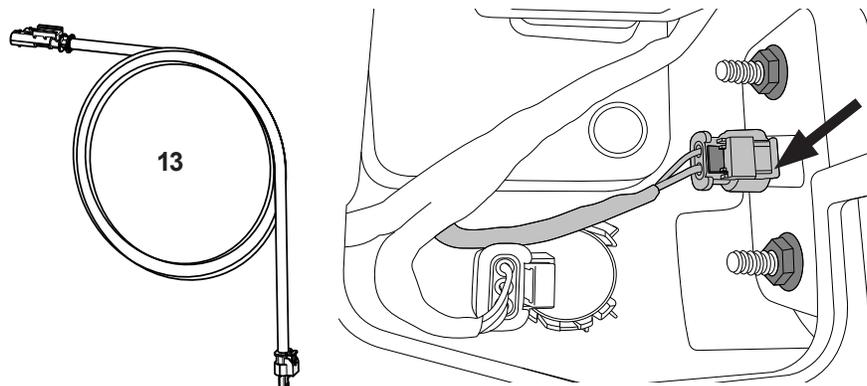
**8**

**REMOVE LICENSE PLATE LIGHT**



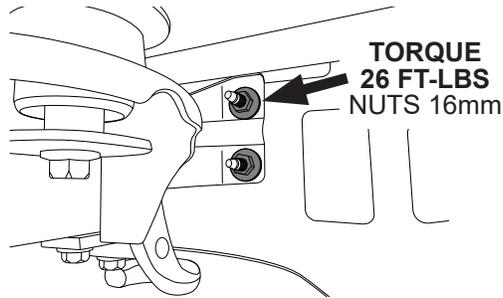
**9**

**CONNECT PROVIDED WIRE HARNESS TO LICENSE PLATE LIGHT PLUG AND  
ROUTE WIRE HARNESS ALONG BUMPER TO THE PASSENGER SIDE**



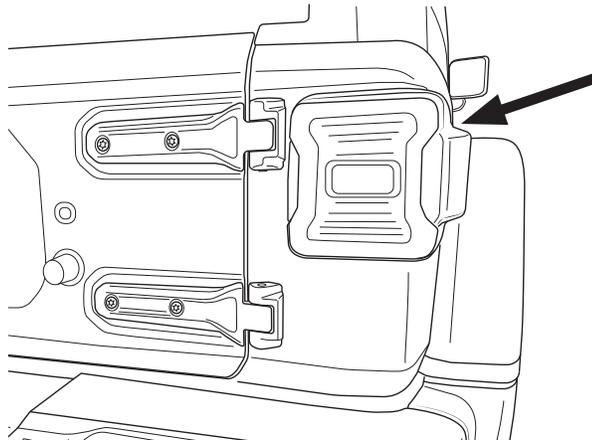
**10**

### REINSTALL BUMPER



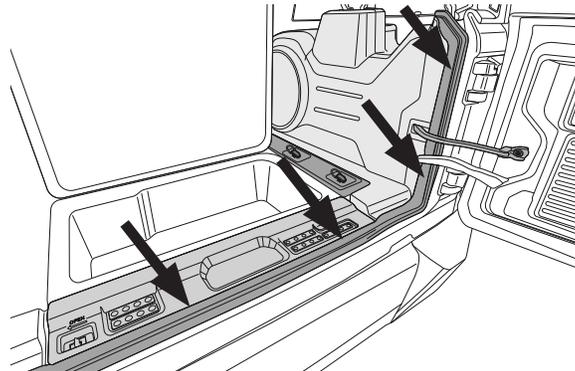
11

### REMOVE PASSENGER BRAKE LIGHT



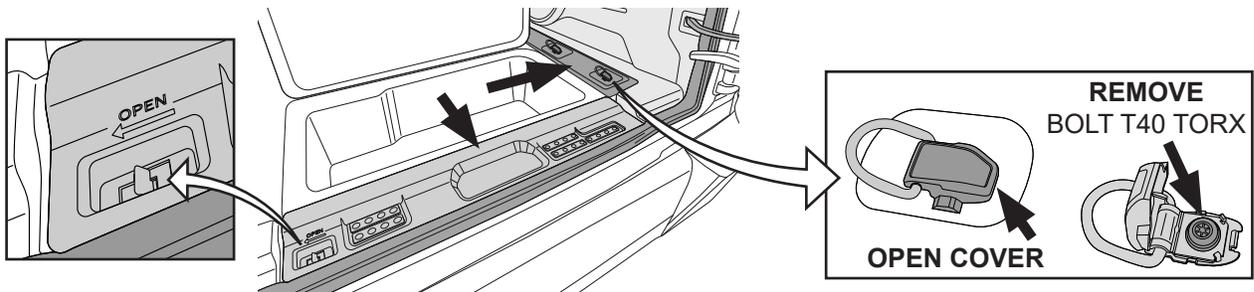
12

### OPEN TAILGATE AND BACK WINDOW REMOVE REAR DOOR SEAL FROM PASSENGER SIDE AND FLOOR AREA



13

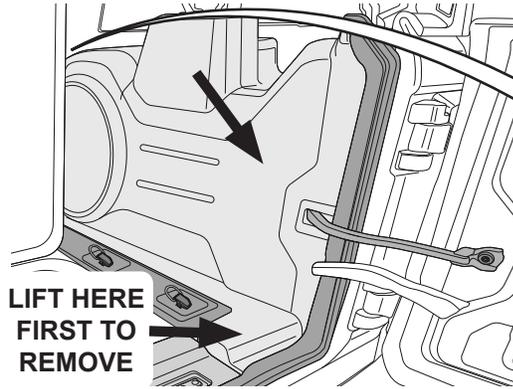
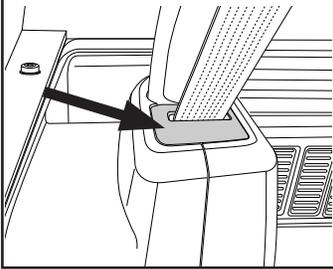
### REMOVE PLASTIC AND CARPETED FLOOR PANELS



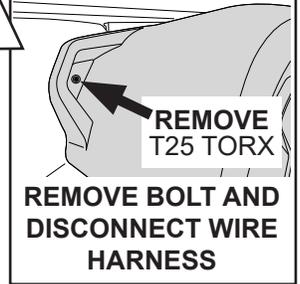
14

### REMOVE REAR PASSENGER INTERIOR SIDE PANEL

**REMOVE SEATBELT COVER PLATE**



**NOTE: MODELS WITH A SUBWOOFER**

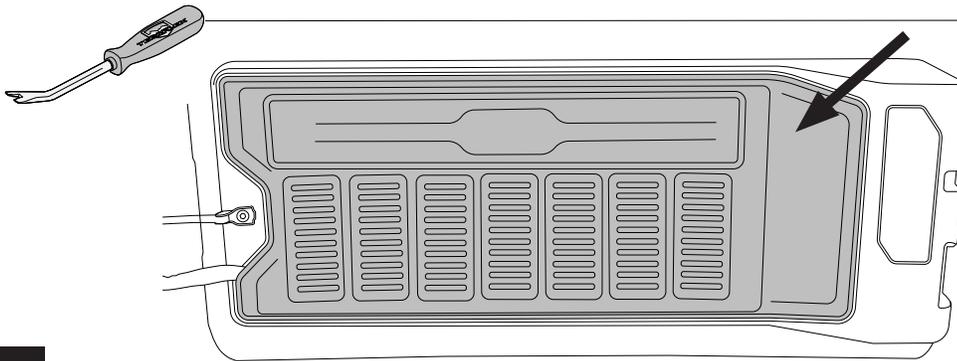


**REMOVE T25 TORX**

**REMOVE BOLT AND DISCONNECT WIRE HARNESS**

15

### REMOVE TAILGATE PANEL

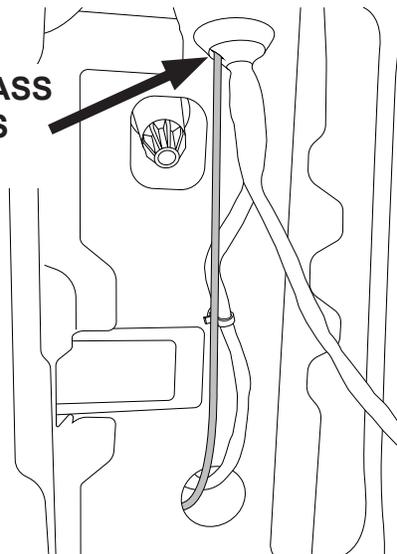


**NOTE: WHEN PANEL IS REMOVED SOME RETAINERS MAY STAY IN THE DOOR. REATTACH RETAINERS TO PANEL BEFORE REINSTALLING.**

16

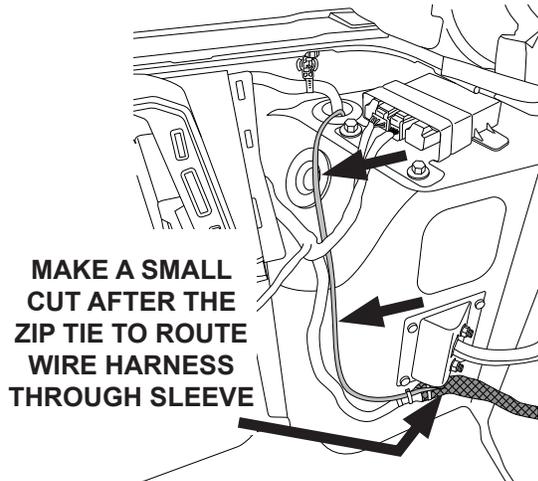
### ROUTE WIRE HARNESS BEHIND TAIL LIGHT AND THROUGH THE PASSENGER QUARTER PANEL INTO THE JEEP

**CUT BOOT AND PASS WIRE HARNESS THROUGH**

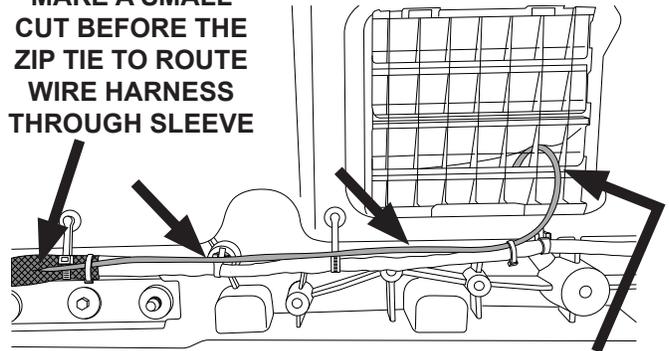


17

### ROUTE WIRE HARNESS TO TAILGATE AND THROUGH VENT



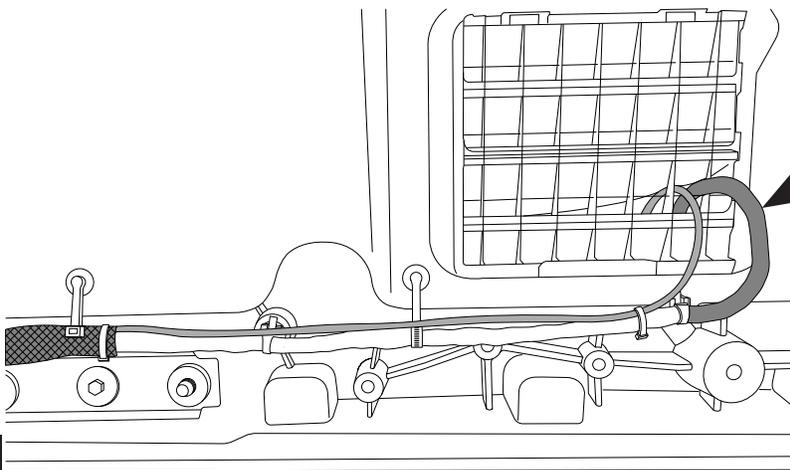
MAKE A SMALL CUT BEFORE THE ZIP TIE TO ROUTE WIRE HARNESS THROUGH SLEEVE



ROUTE WIRE HARNESS THROUGH VENT

18

### REROUTE 3RD BRAKE LIGHT AND CAMERA WIRE HARNESS THROUGH VENT

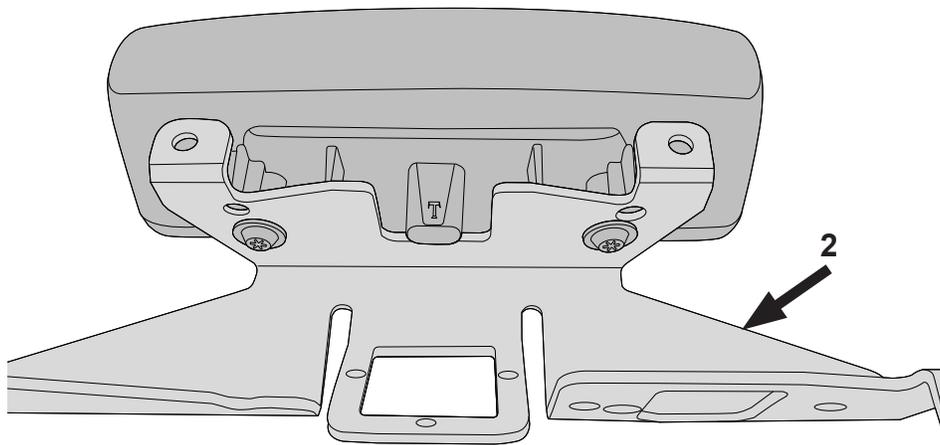


PULL BRAKE LIGHT AND CAMERA WIRE HARNESS OUT OF TAILGATE AND REROUTE HARNESS THROUGH VENT

NOTE: YOU CAN TRIM FLAP AROUND WIRES TO MINIMIZE FLAP OPENING

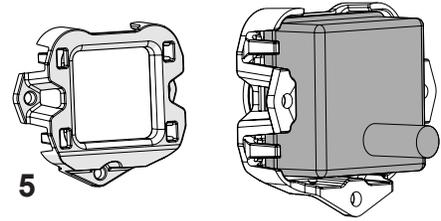
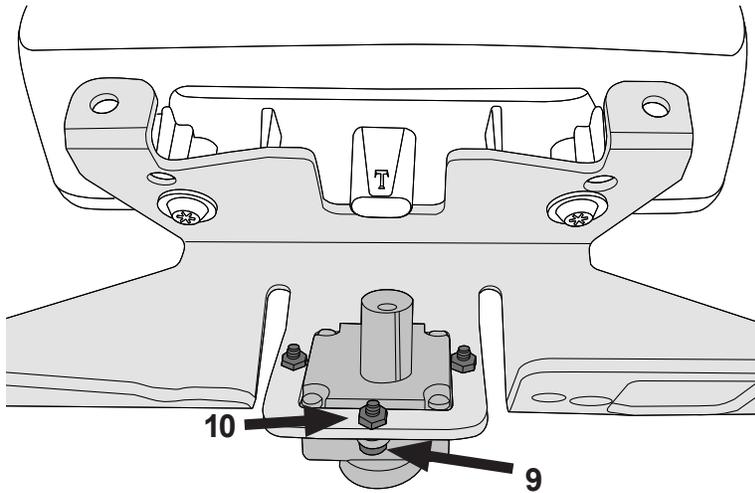
19

### INSTALL 3RD BRAKE LIGHT ON TO BRACKET WITH OEM SCREWS



20

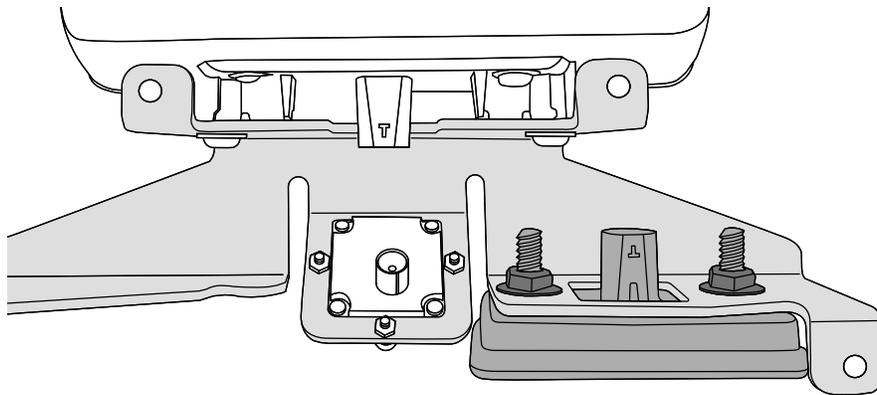
**INSTALL CAMERA ON TO BRACKET WITH PROVIDED NUTS AND BOLTS**



**NOTE: SOME 2020 MODELS AND NEWER WILL NEED TO USE PROVIDED CAMERA ADAPTER**

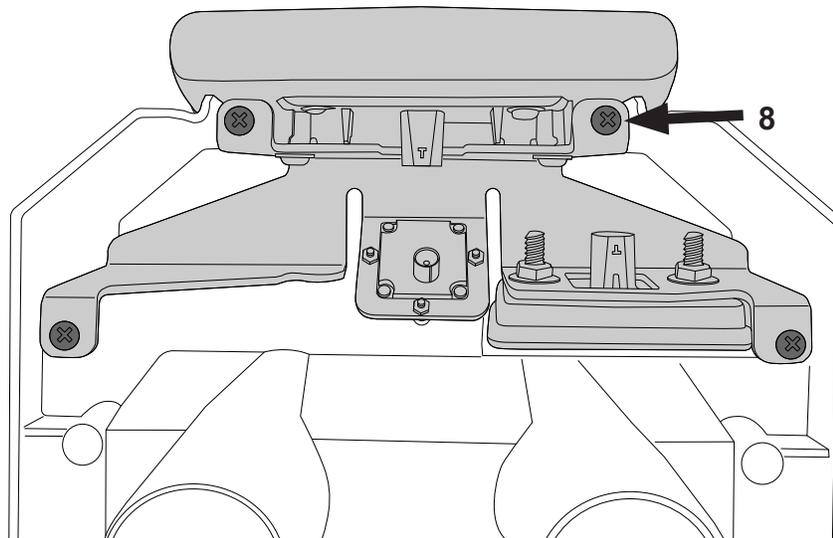
**21**

**INSTALL LICENSE PLATE LIGHT ON TO BRACKET WITH OEM NUTS**



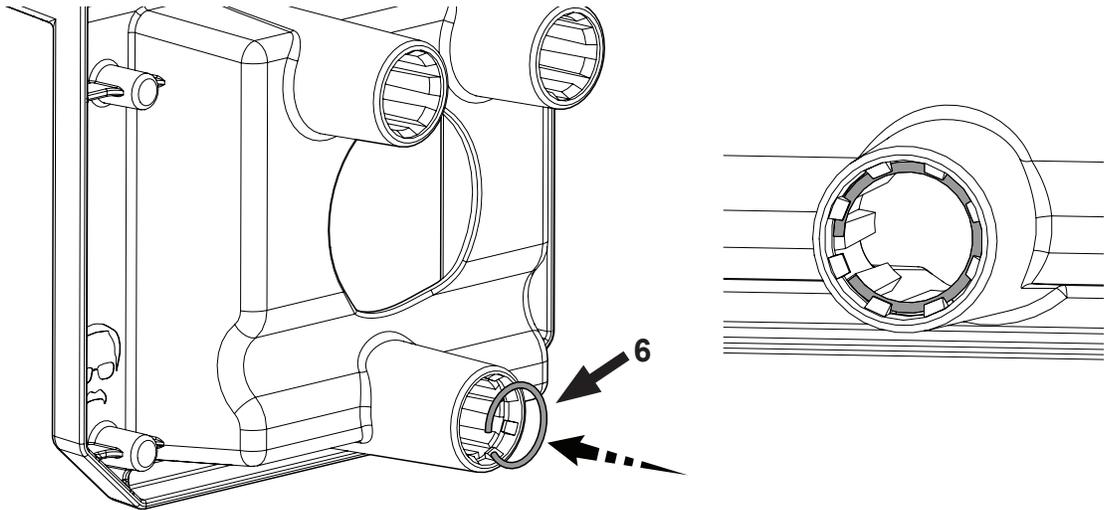
**22**

**INSTALL BRACKET IN LICENSE PLATE PANEL WITH PROVIDED SCREWS**



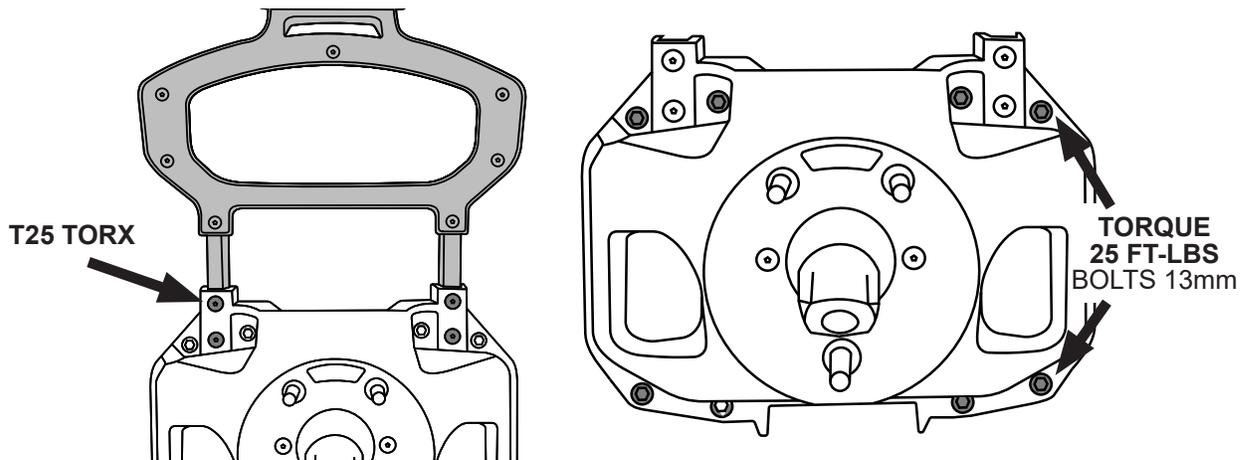
**23**

**INSTALL RETAINING CLIP IN TO LICENSE PLATE PANEL**



24

**REMOVE THIRD BRAKE LIGHT BRACKET FROM TIRE CARRIER AND REINSTALL TIRE CARRIER**



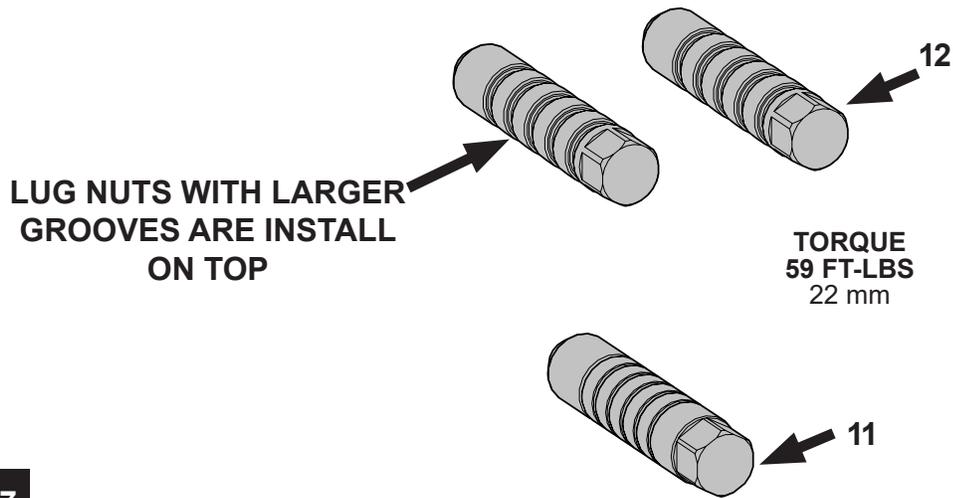
25

**INSTALL RUBBER PLUG WHERE THE BACK UP CAMERA AND THIRD BRAKE LIGHT CABLE WAS GOING THROUGH THE DOOR**



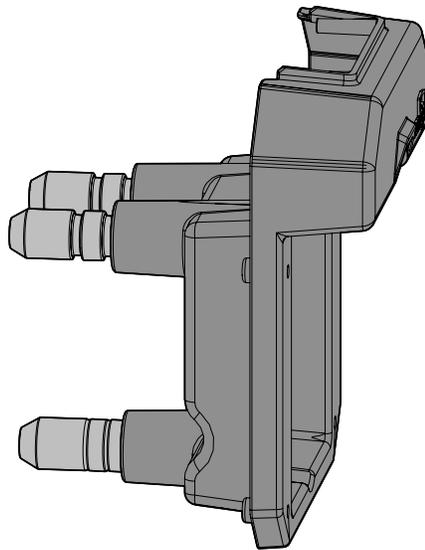
26

**REINSTALL SPARE TIRE WITH PROVIDED LUG NUTS**



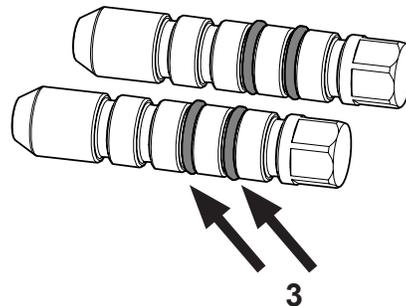
27

**TEST FIT LICENSE PLATE HOLDER ON TO LUG NUTS**



28

**REMOVE LICENSE PLATE HOLDER AND  
INSTALL O-RINGS ON TO UPPER LUG NUT GROOVES**

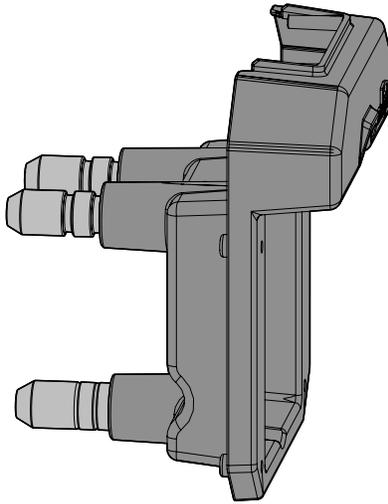


**INSTALL O-RINGS AT THE  
DEPTH FOUND IN LAST STEP**

29

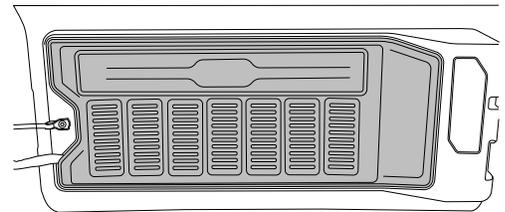
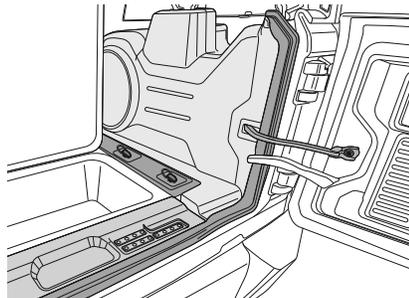
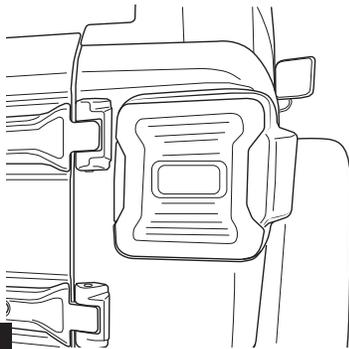
**CONNECT THIRD BRAKE LIGHT, BACK UP CAMERA AND LICENSE PLATE LIGHT THEN INSTALL LICENSE PLATE HOLDER ON TO LUG NUTS**

**NOTE: YOU CAN APPLY SOME GREASE TO THE O-RINGS TO HELP PUSH HOLDER INTO POSITION**



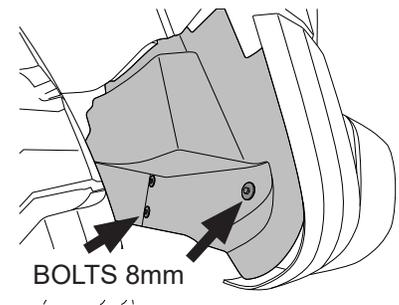
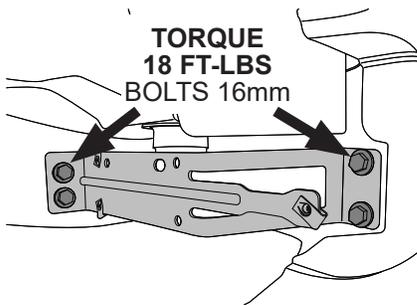
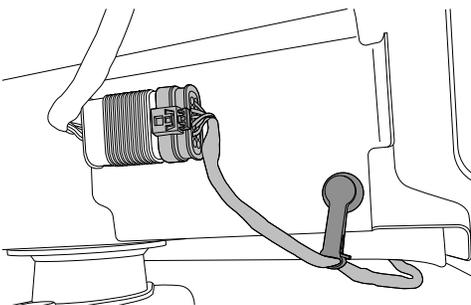
**30**

**REINSTALL PASSENGER BRAKE LIGHT, REAR PASSENGER INTERIOR SIDE PANEL, AND TAILGATE PANEL**



**31**

**RECONNECT REAR BUMPER, REINSTALL OUTER MOST BUMPER BRACKETS AND FENDER LINERS LOCATED BEHIND REAR TIRES**



**32**

**ENJOY YOUR NEW TERAFLEX LICENSE PLATE HOLDER**

# TERAFLEX

## PRODUCT INFORMATION

### MAINTENANCE INFORMATION:

It is the buyer's responsibility to have all suspension, drivetrain, steering, and other components checked for proper tightness and torque after the first 100 miles and every 3000 miles after that.

### NOTICE TO INSTALLER:

The enclosed "Warning to Driver" sticker must be installed in the vehicle in driver's view. This sticker is to act as a constant safety reminder when operating the vehicle. It is your responsibility as the equipment installer to install the provided sticker and to forward the product instructions to the vehicle's owner for review. If a "Warning to Driver" sticker or product installation guide were not included in the kit, FREE replacement stickers and instructions are available by request. It is the installer's duty to ensure a safe and controllable vehicle after the modifications have been performed.

### WARNING:

Neither the seller nor the manufacturer will be liable for any loss, damage, or injury directly or indirectly arising from the use of or inability to determine the use of these products. Before using, the user shall determine the suitability of the products for its intended use, and the user shall assume all responsibility and risk in connection therewith.

### WARNING TO DRIVER:

This vehicle has been modified to enhance off road performance and has unique handling characteristics. Use in harsh environments can cause extreme stress on the components. Vehicle should be inspected after being off road to make sure that all the components are in working order and safe to travel on the highway. All fasteners should be checked so that they are at the correct torque specifications as the vibration and stresses from off roading may cause critical fasteners to work loose. Extra care should be taken to inspect the critical components, steering, and brake systems. During each oil change components such as arms, tie rod ends, etc should be greased and checked for excessive wear. Any worn components should be replaced. When returning to the pavement always set or restore tire air pressure to the factory recommendation and connect or engage any disabled sway bar mechanisms. Because of the higher center of gravity and larger tires, this vehicle handles and reacts differently than many passenger cars, both on and off road. You must drive it safely! Extreme care should be taken to prevent vehicle rollover or loss of control, which can result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers. Generally, braking performance and capabilities are decreased when significantly larger/heavier tires are used, especially when used in combination with transfer case low-range reduction kits. Take this into consideration while driving. Do not add, alter or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the TeraFlex product purchased. Mixing component brand is not recommended. TeraFlex Inc. will not be responsible for any altered product or any improper installation or use of our products. We will be happy to answer any questions concerning the design, function, and correct use of our products. It is ultimately the buyer's responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 3000 miles. Wheel alignment, steering system, suspension and drive line systems must be inspected by a qualified professional mechanic at least every 3000 miles.

### TERAFLEX PRODUCT WARRANTY:

TeraFlex Inc. warrants TeraFlex Suspension products to the original retail purchaser to be free of defects in material and workmanship for as long as the original purchaser owns the vehicle on which products were originally installed.

Failure to complete regular maintenance (grease every 3000 miles) on TeraFlex FlexArms will void this warranty. All other conditions of the standard TeraFlex product warranty apply.

All TeraLow products are covered by the TeraFlex two (2) year warranty to be free of defects in material and workmanship for two years from date purchased.

TeraFlex axles are covered by a 12-month warranty to be free of defects in materials and workmanship.

This warranty does not cover or include product finish, improperly installed or applied products, improperly maintained products, products or components used for racing or competition or damage due to abuse or neglect, products that fail due to the use of larger tire and wheel combinations.

All returns must be accompanied by an original invoice. It is the customer's responsibility to remove the product from the vehicle. Shipping charges are the responsibility of the customer. TeraFlex Inc. will pay the return freight if the product meets the terms of warranty.

This warranty is for the replacement or repair of defective TeraFlex products only and does not include freight charges, labor charges for removal of or installation of TeraFlex or related products or components, costs incurred due to down time of the vehicle, or lost profits due to vehicle down time.

A returned goods authorization number (RGA#) must accompany any returned products. For more information please contact a TeraFlex customer service representative.

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