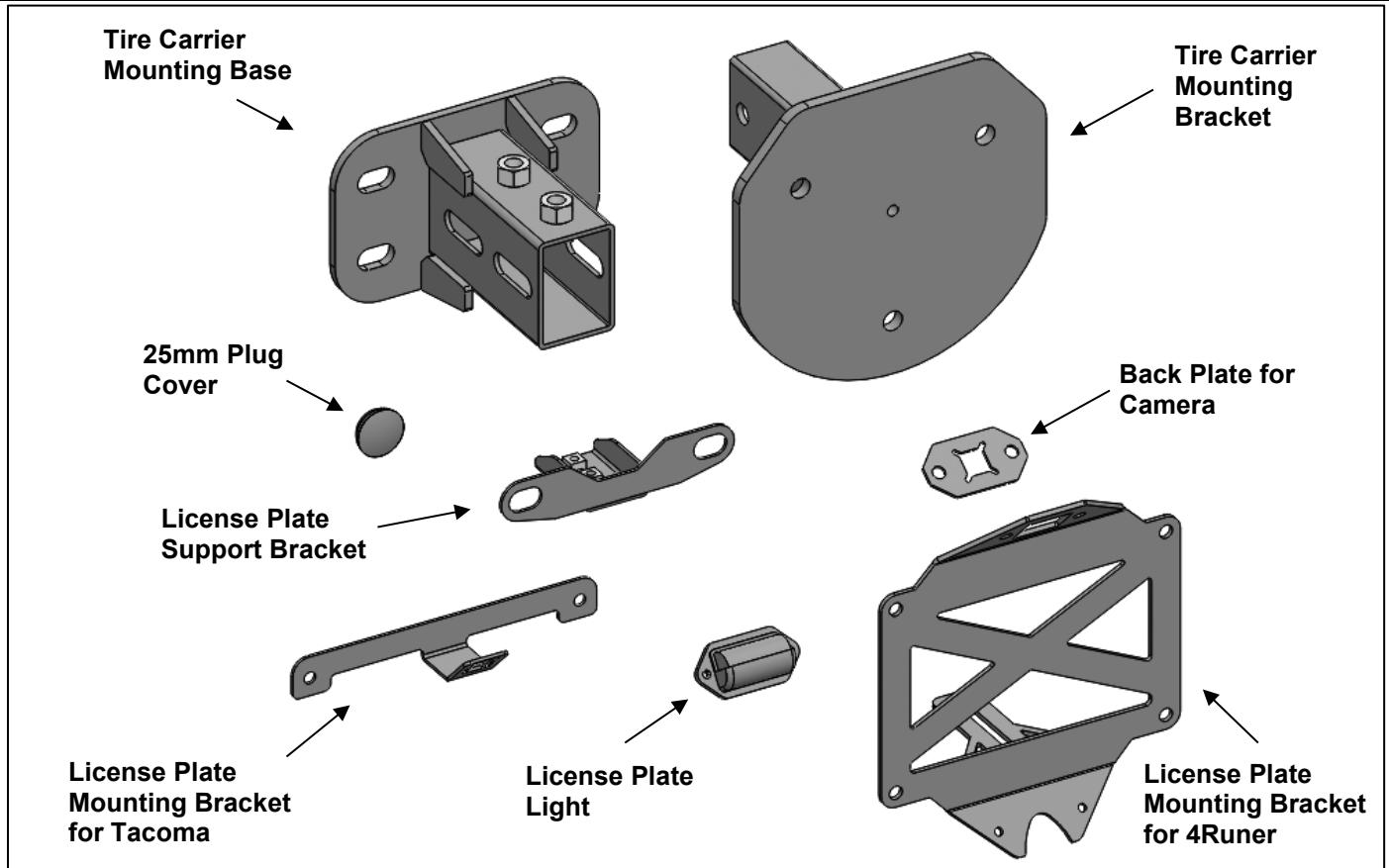


2016-2023 TOYOTA TACOMA / 2010-2024 4RUNNER PRO SERIES II TIRE CARRIER W/LICENSE PLATE HOLDER PART# TY-2966

PARTS LIST:

Qty	Item Description	Qty	Item Description
1	Tire Carrier Mounting Base	2	12mm Hex Nut
1	Tire Carrier Mounting Bracket	2	12-1.75mm x 20mm Hex Bolt
1	License Plate Support Bracket 4Runner	12	12mm x 32mm x 3mm Flat Washer
1	License Plate mounting Bracket 4Runner	2	12-1.75mm x 80mm Hex Bolt
1	License Plate Light (1.1m wire)	2	12mm Lock Washer
1	Back Plate for Camera	4	12-1.75mm x 40mm Hex Bolt
1	License Plate Mounting Bracket Tacoma	4	12mm Nylon Lock Nut
1	25mm Plug Cover	1	S=4 wrench
3	M12x1.5 Bolt	14	6mm x 12mm x 1.6mm Flat washer
4	Wire Connector	2	12mm x 24mm x 2.5mm Flat washer
1	LED Light Wire Extension Kit (2.45m)	8	M6_16 button head screw
2	Black 18ga 3.8m Length Wire	6	6mm Nylon lock nut
2	Red 18ga 3.8m Length Wire	2	12-1.5mm x 30mm Hex bolt (fine thread)





Wire Connector



Hex Bolt



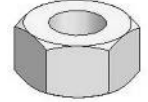
Lock Washer



Flat Washer



Lock Nut



Hex Nut

TOOLS REQUIRED



Ratchet



18mm Socket



Extensions



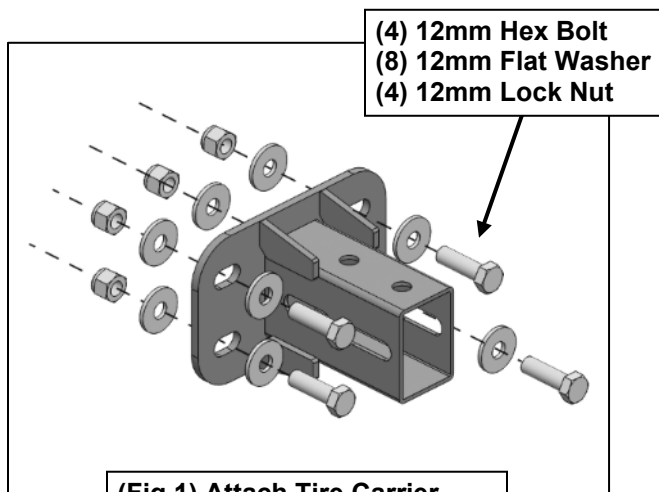
Wrench

PRODUCT CARE AND MAINTENANCE

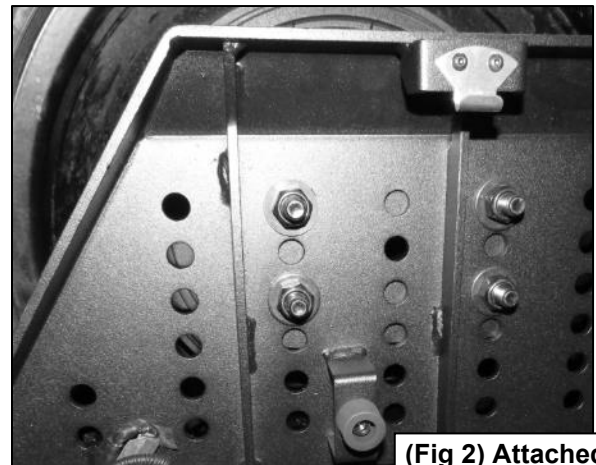
- Textured coat finished should be cleaned ONLY with a mild soap on a damp sponge.
- BA recommends wiping down the product with a light coat of lubricate (i.e. WD40) periodically to maintain its luster.
- DO NOT apply polish or wax that requires buffing for removal as this may damage the finish.
- DO NOT coat the product with any type of shine such as Tire Shire or glossy aerosol or gel. This can cause discoloration, staining or bubbling.

1

Follow (Fig 1 – 6) to attach Tire Carrier Mounting Base and Mounting Bracket. Ensure Base is level before tightening hardware.

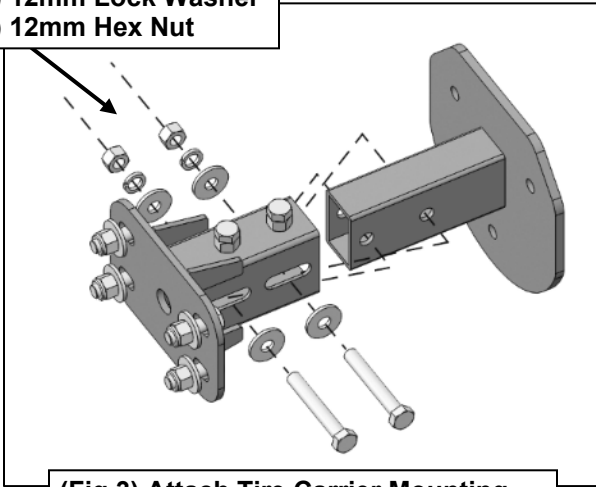


(Fig 1) Attach Tire Carrier Mounting Base to Swing Arm

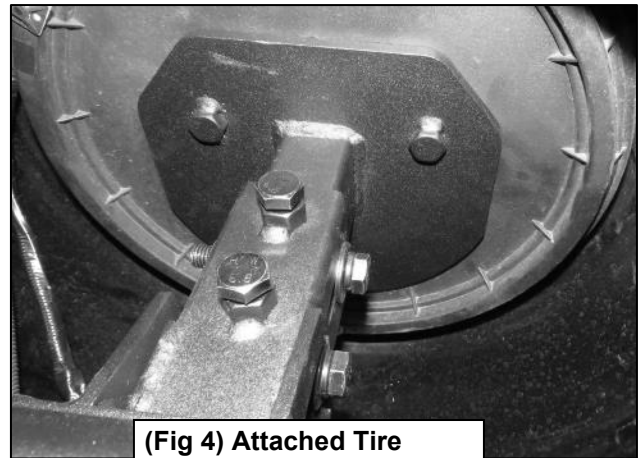


(Fig 2) Attached Tire Carrier Mounting Base

- (2) 12mm Hex Bolt
- (4) 12mm Flat Washer
- (2) 12mm Lock Washer
- (2) 12mm Hex Nut

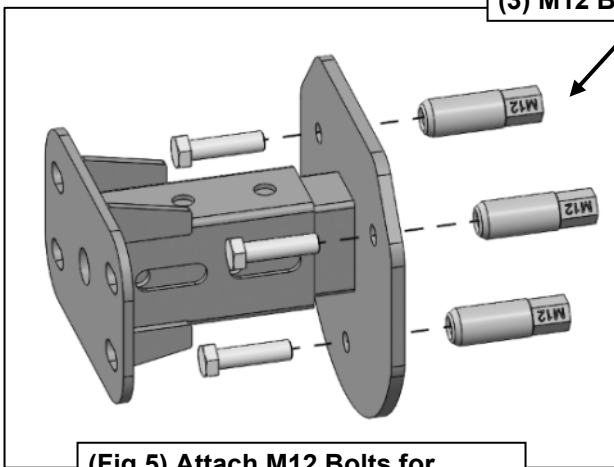


(Fig 3) Attach Tire Carrier Mounting Bracket to Tire Carrier Mounting Base

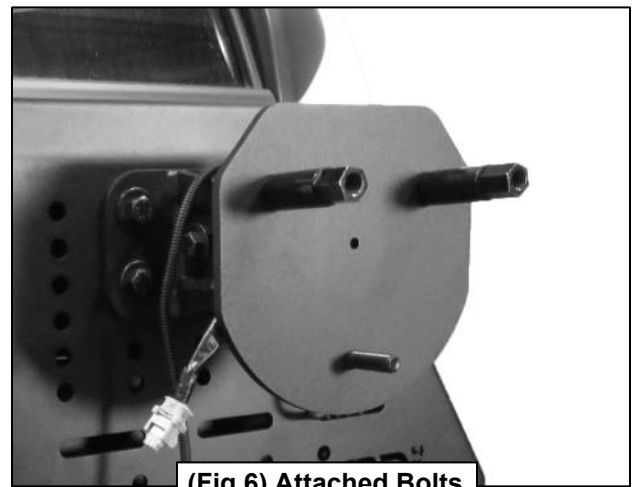


(Fig 4) Attached Tire Carrier Mounting Bracket

- (3) M12 Bolts

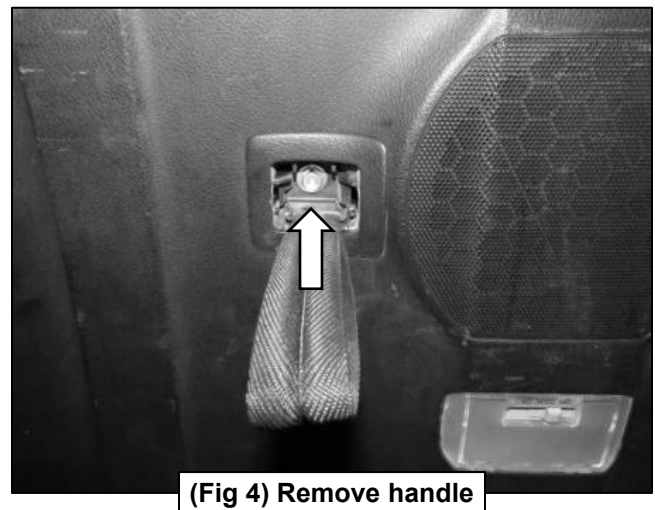
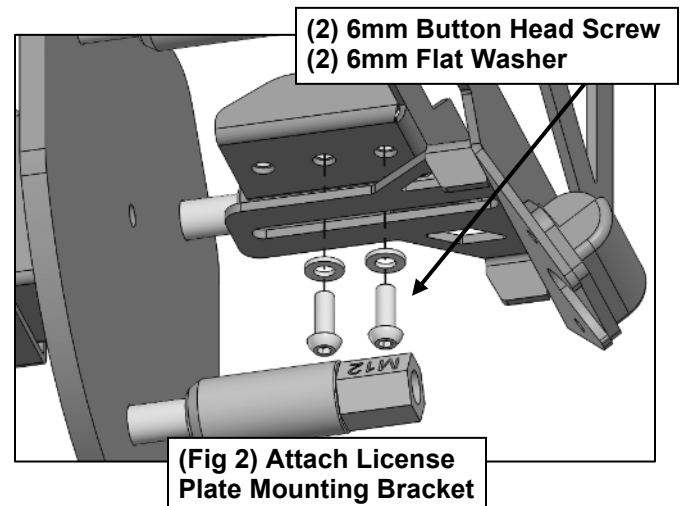
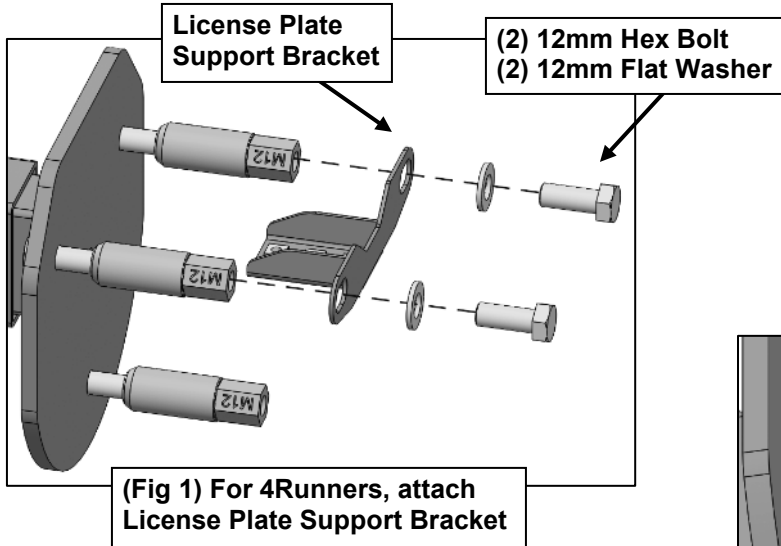


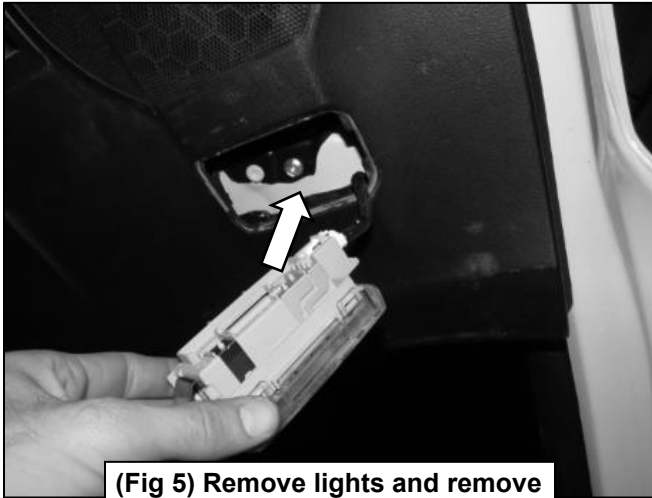
(Fig 5) Attach M12 Bolts for License Plate Bracket Installation



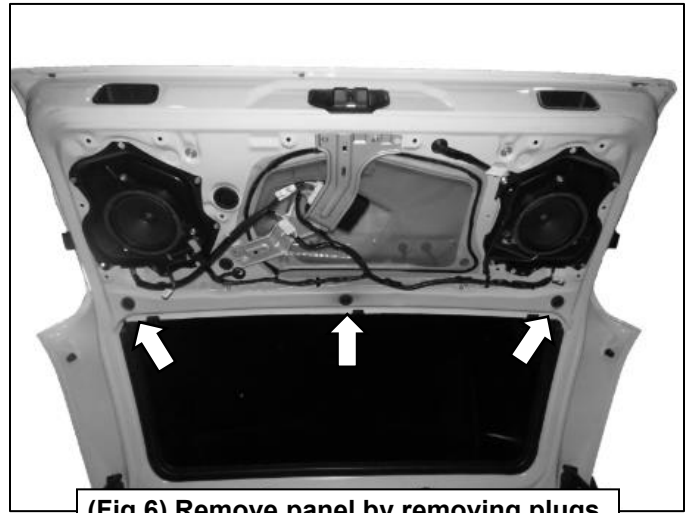
(Fig 6) Attached Bolts

2 Follow (Fig 7 – 32) to install License Plate Support Bracket and Mounting Bracket for 4Runners. Skip to Step 3 for Tacoma installation.

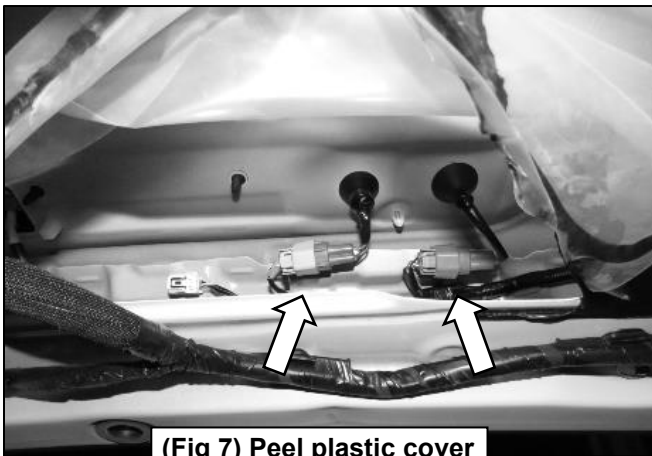




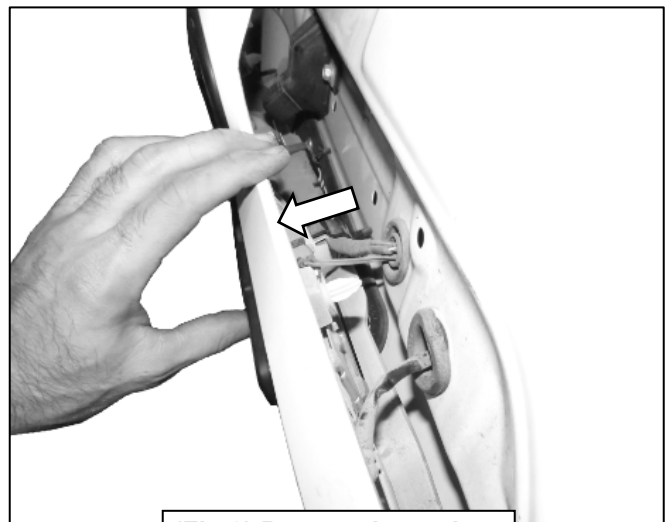
(Fig 5) Remove lights and remove hardware holding panel in place



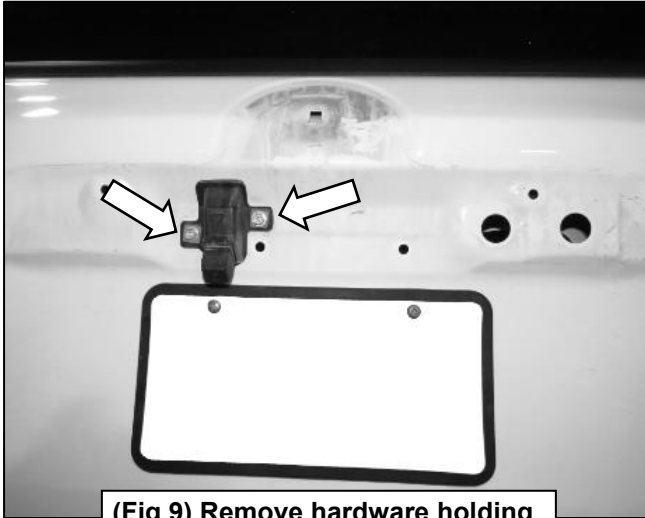
(Fig 6) Remove panel by removing plugs



(Fig 7) Peel plastic cover and disconnect wiring



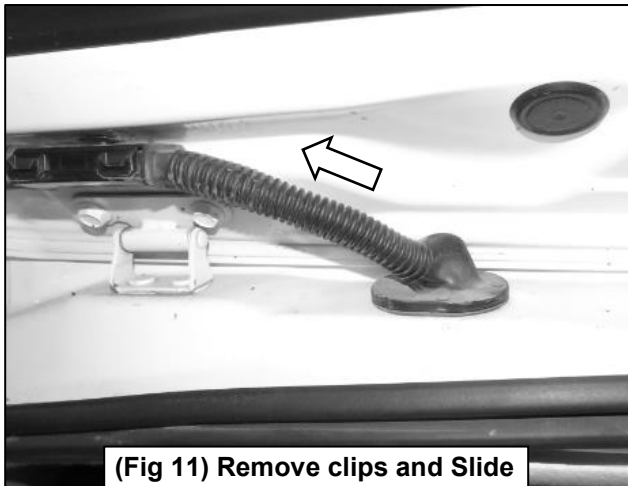
(Fig 8) Remove logo plate



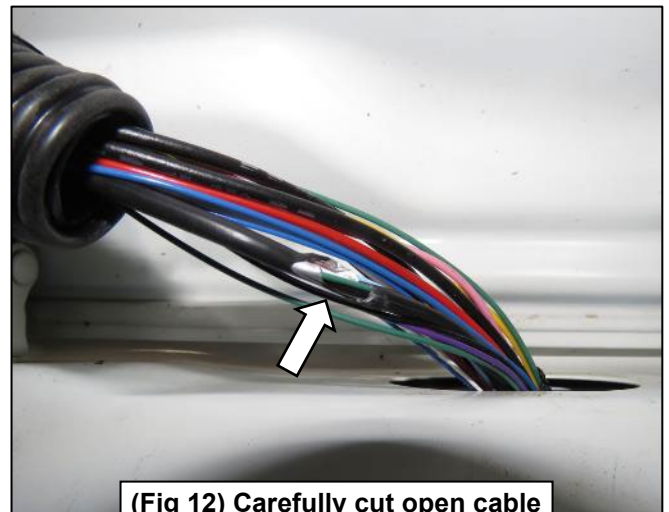
(Fig 9) Remove hardware holding camera bracket to vehicle



(Fig 10) Unplug camera and remove from camera bracket, then reinstall camera bracket

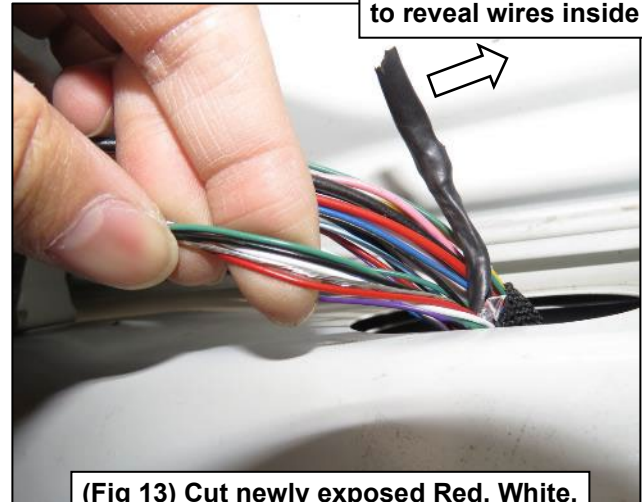


(Fig 11) Remove clips and Slide wire boot up to reveal wiring



(Fig 12) Carefully cut open cable bundle to reveal wires inside

Pull back bundle cover to reveal wires inside



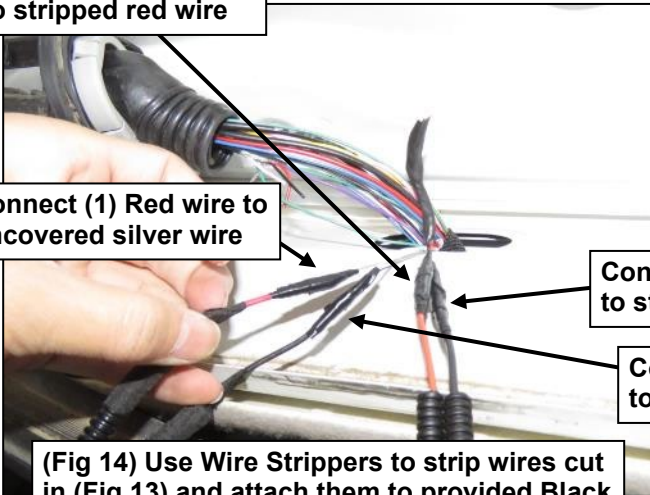
(Fig 13) Cut newly exposed Red, White, Black, and uncovered Silver wires

Connect (1) Red wire to stripped red wire

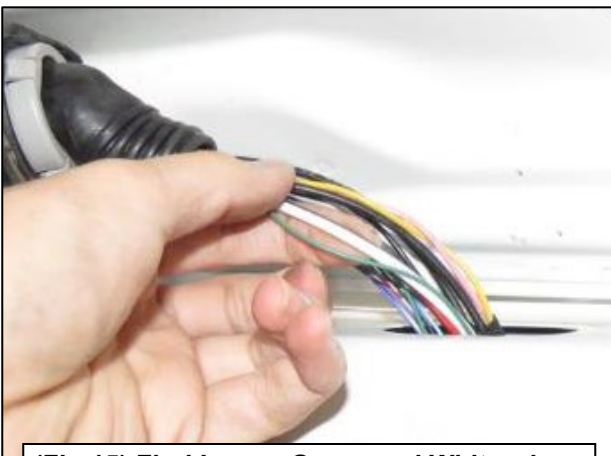
Connect (1) Red wire to uncovered silver wire

Connect (1) Black wire to stripped black wire

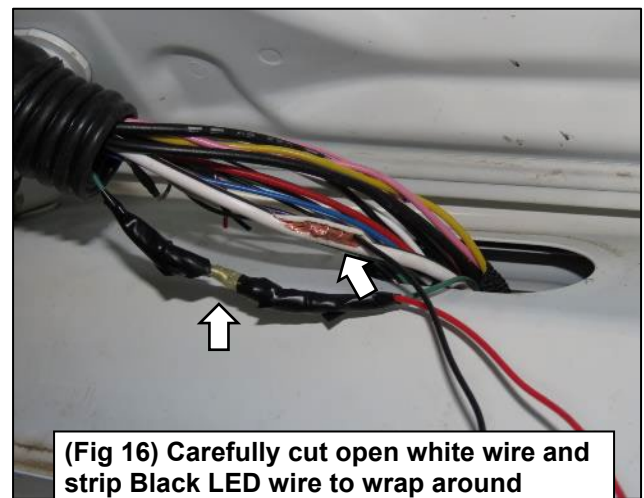
Connect (1) Black wire to stripped white wire



(Fig 14) Use Wire Strippers to strip wires cut in (Fig 13) and attach them to provided Black and Red wires using wire connectors. Wrap connections with electrical tape and secure.



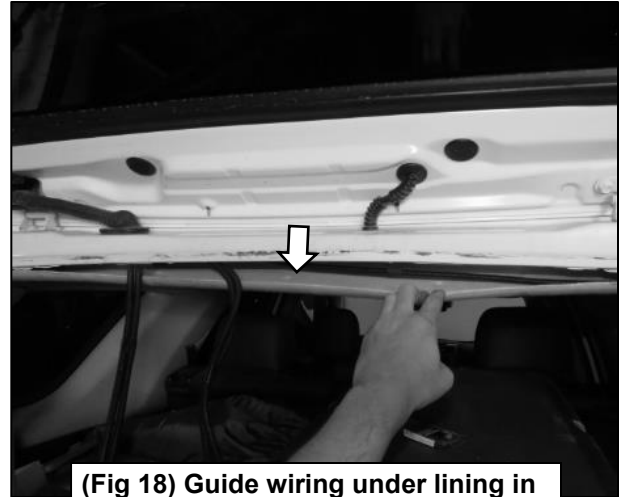
(Fig 15) Find Larger Green and White wires



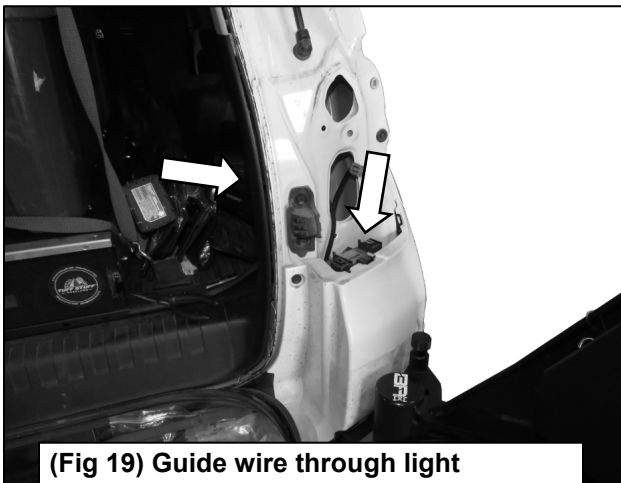
(Fig 16) Carefully cut open white wire and strip Black LED wire to wrap around internal metal wiring of white wire. Repeat with green wire and Red LED wire. Wrap connections with electrical tape securely.



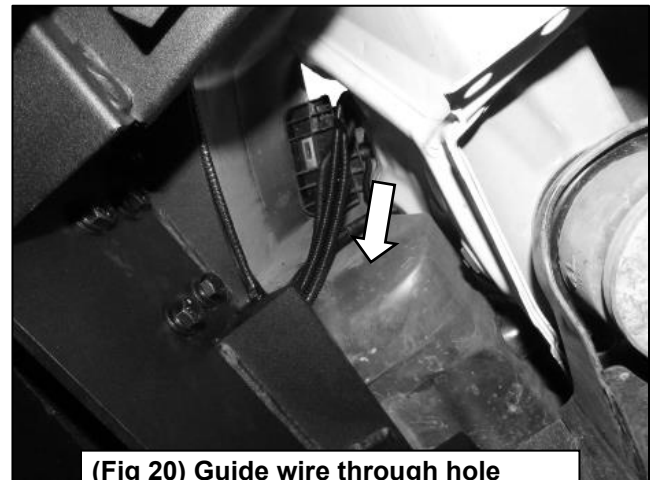
(Fig 17) Remove panel and hardware to remove Passenger/Right rear light



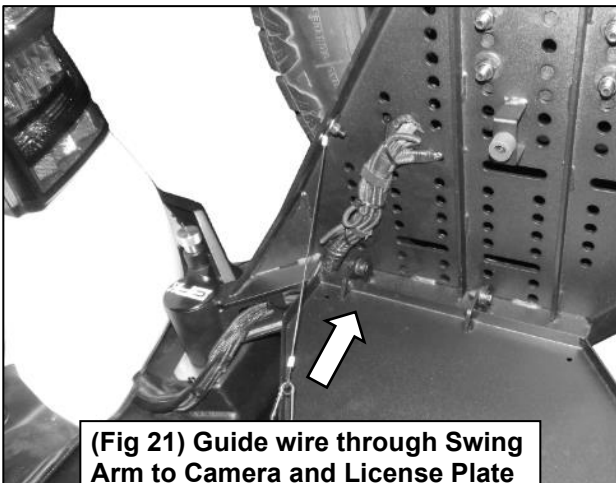
(Fig 18) Guide wiring under lining in roof and side of vehicle toward right



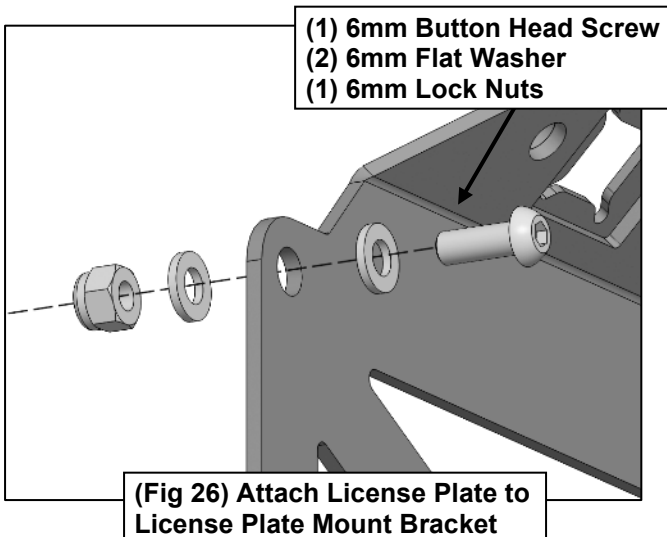
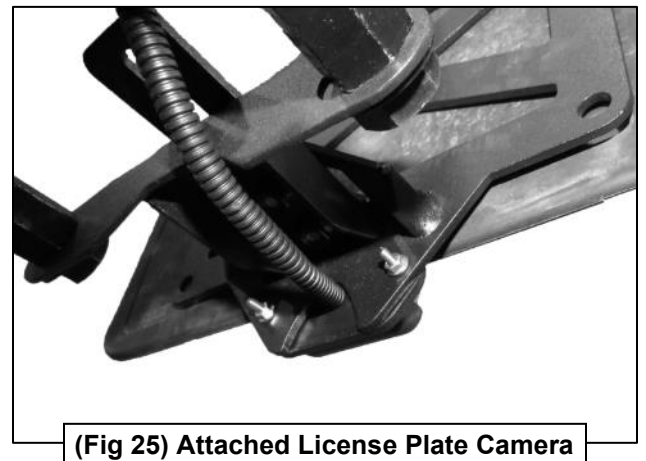
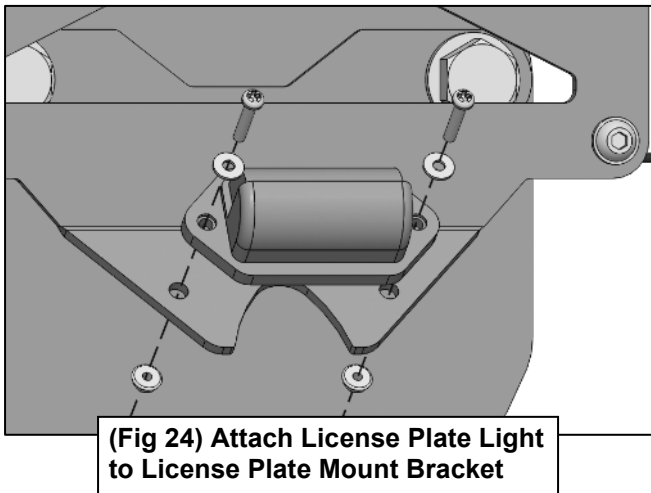
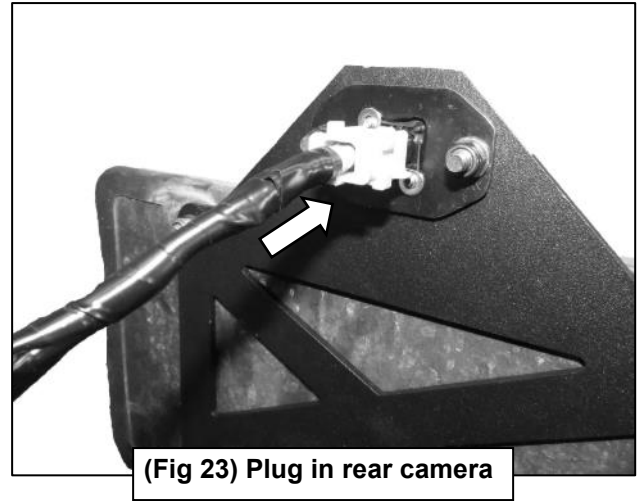
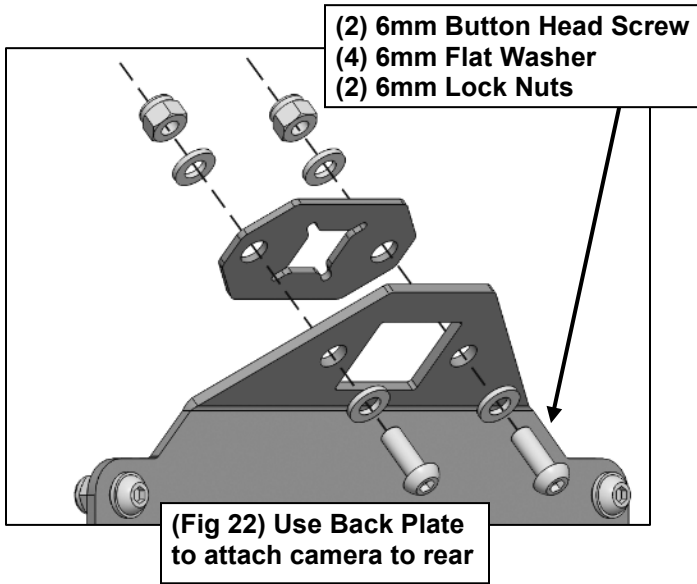
(Fig 19) Guide wire through light mounting hole and down toward bumper



(Fig 20) Guide wire through hole between bumper and factory bumper



(Fig 21) Guide wire through Swing Arm to Camera and License Plate Light Mounting points

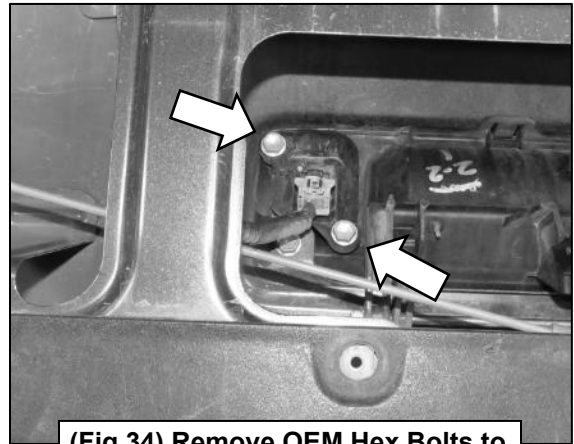


3

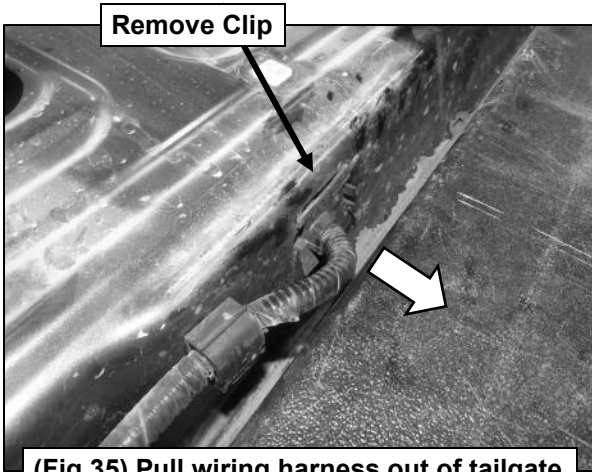
Follow (Fig 33 – 47) to install License Plate and Rear Camera Mounting Bracket for Tacomas.



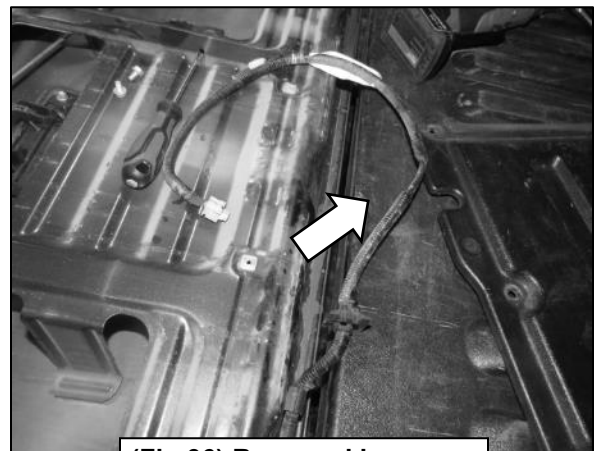
(Fig 33) Remove OEM Torx Bolts to remove inner tailgate panel



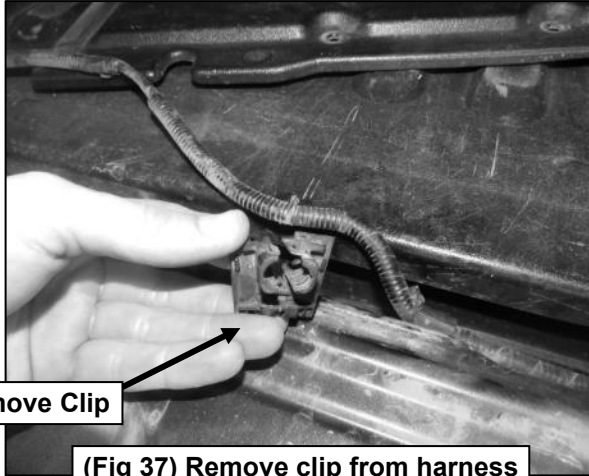
(Fig 34) Remove OEM Hex Bolts to remove Camera, then remove screws holding camera to bracket



(Fig 35) Pull wiring harness out of tailgate

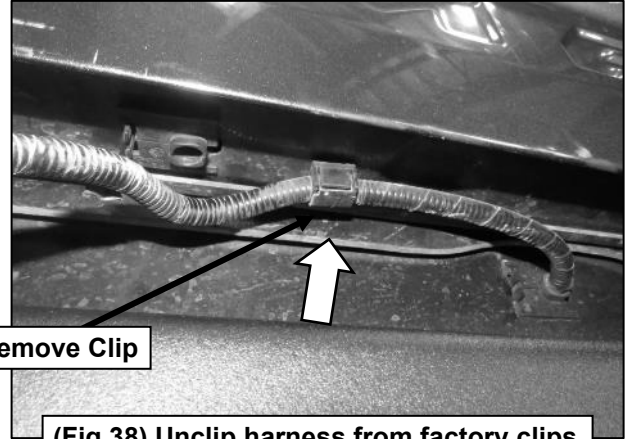


(Fig 36) Removed harness



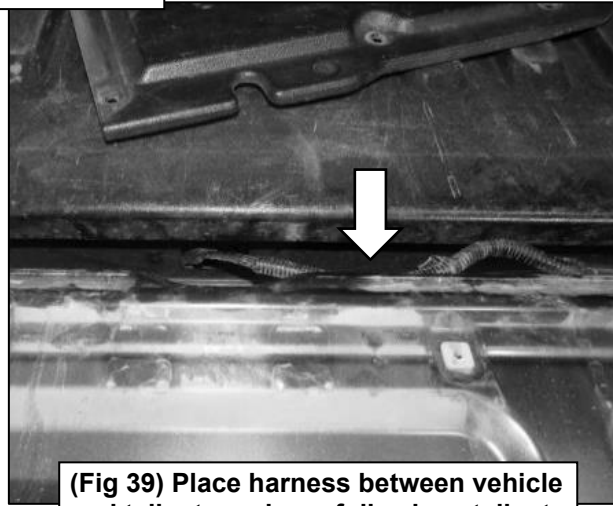
Remove Clip

(Fig 37) Remove clip from harness and reinstall onto vehicle

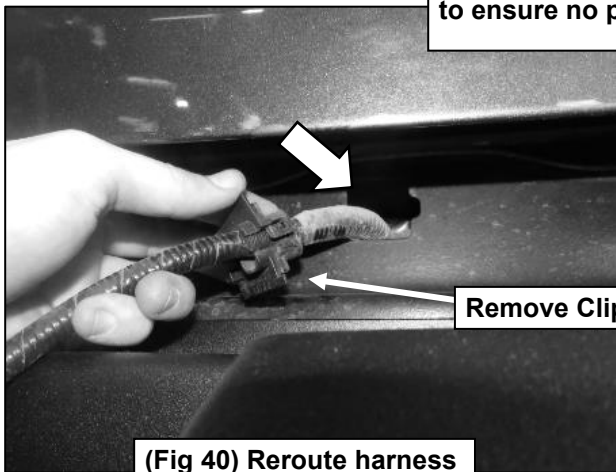


Remove Clip

(Fig 38) Unclip harness from factory clips



(Fig 39) Place harness between vehicle and tailgate and carefully close tailgate to ensure no pinching

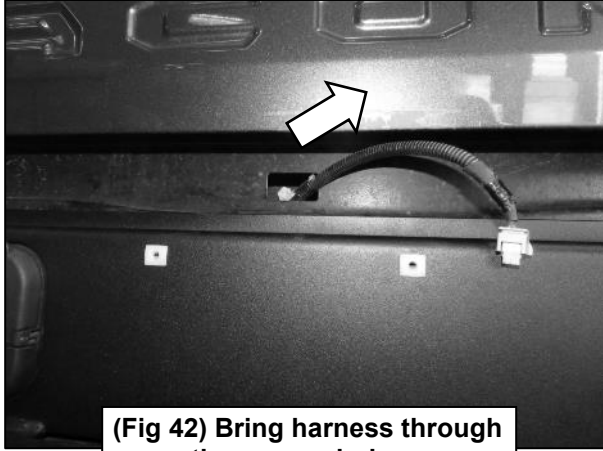


Remove Clip

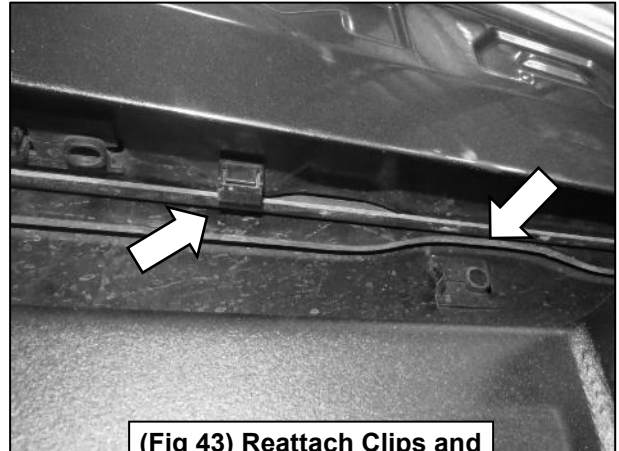
(Fig 40) Reroute harness to underside of bed



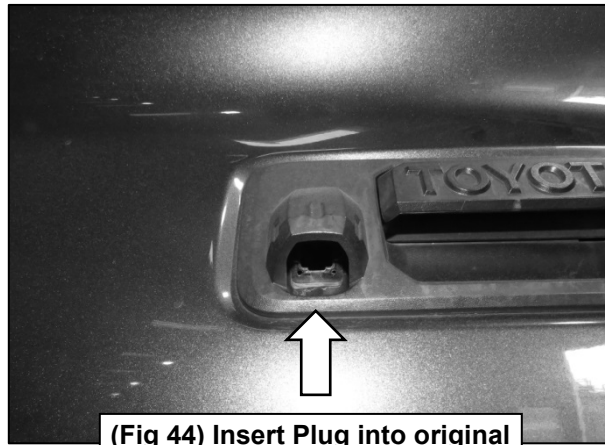
(Fig 41) Harness threaded to underside using spare tire access hole



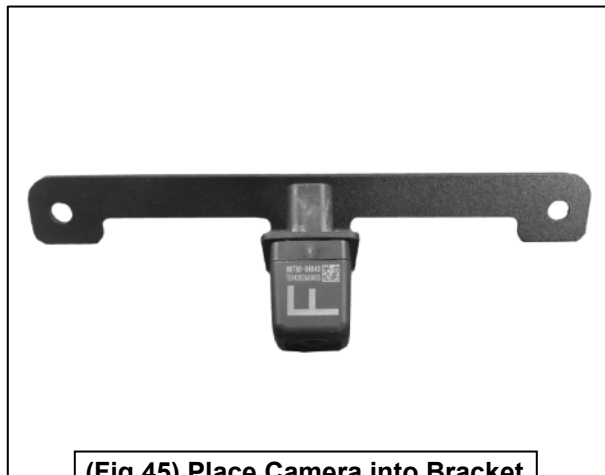
(Fig 42) Bring harness through spare tire access hole



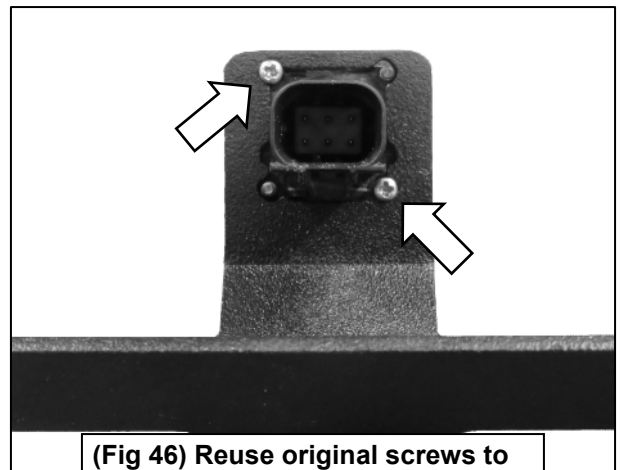
(Fig 43) Reattach Clips and tailgate panel to vehicle



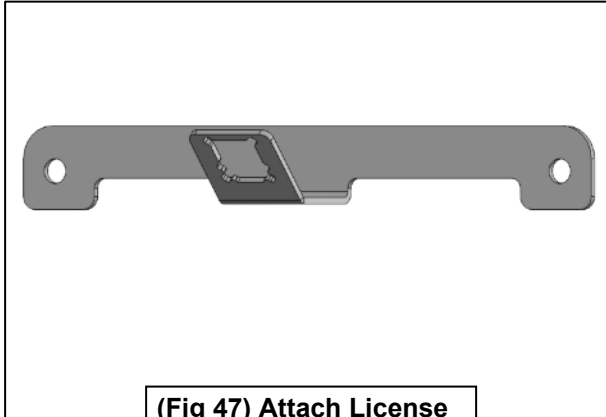
(Fig 44) Insert Plug into original Camera Mounting location



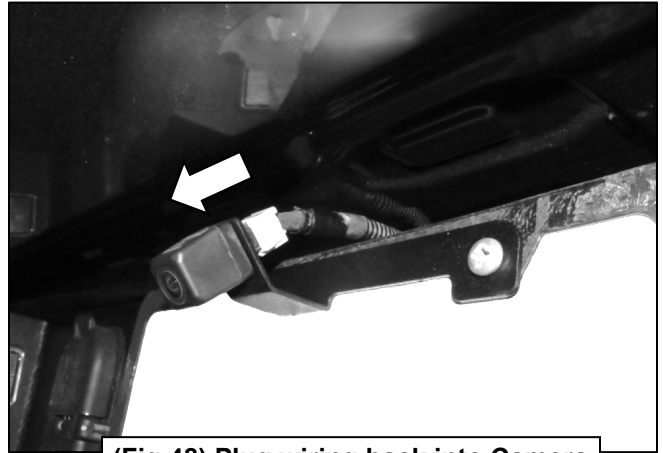
(Fig 45) Place Camera into Bracket with letters on Camera facing up



(Fig 46) Reuse original screws to attach Camera to notch in Bracket



(Fig 47) Attach License Plate Mounting Bracket

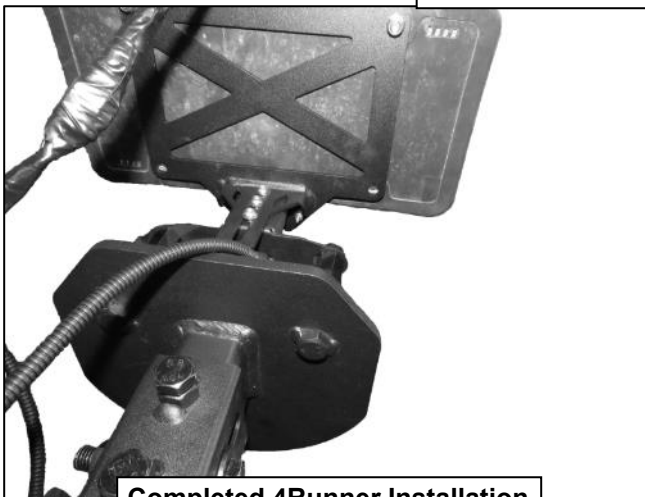


(Fig 48) Plug wiring back into Camera

4 Installation is complete. Do periodic inspections to the installation to make sure that all hardware is secure and tight.



Completed Tire Carrier Installation



Completed 4Runner Installation



Completed Tacoma Installation