

**Part Number: PTR25-89150**

**Kit Contents**

Item #	Quantity Req'd.	Description
1	2 (LH & RH)	Marking Templates
2	1	3M Foam Sanding Block - Fine
3	1	Clamp
4	1	Modified Channellock Cutting Plier
5	1	Double Sided Foam Tape (DIO Only)
6	2 (LH & RH)	Metal Fenderliner Templates

**Hardware Box Contents**

Item #	Quantity Req'd.	Description
N/A		

**Additional Items Required For Installation**

Item #	Quantity Req'd.	Description
1	1	Tape
2	2	Double Sided Foam Tape (PPO Only)

**Conflicts**

Note:
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**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
Safety Glasses	
Seat Protection	Blanket
<b>Special Tools</b>	<b>Notes</b>
Center Punch	
Step Drill Bit	8-9mm or 5/16"-3/8"
Shop Light	
24" Bungee Cord	
Scissors	
Foot Brake Application Tool	Snap-on B240A Pedal Jack or equivalent.
Wire Brush	Hand held size
<b>Installation Tools</b>	<b>Notes</b>
Socket Wrench	10mm socket
Electric Drill	
Plastic Clippers	
Lug Nut Wrench	21mm wrench flat
Torque Wrench	20-150 lbf-ft (27-204 Nm)
Deep Well Impact Socket	21mm socket
Plastic Pry Tool	
<b>Special Chemicals</b>	<b>Notes</b>
Approved Cleaner & Rag	Lint Free Cloth

**General Applicability**

Applicable to MY15 4Runner TRD PRO Package
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**Recommended Sequence of Application**


Item #	Accessory
1	PPO Bulletin 14-014 (Fenderliner Modification)
2	PPO Bulletin 14-020 (Front Bumper Cover Modification)
3	TRD PRO 17" Alloy Wheel & Tire
4	Optional Wheel Locks PPO
5	Optional Port Brochure for Wheel Locks PPO
6	Optional Wheel Locks DIO


**Vehicle Service Parts** (May be required for reassembly)


Item #	Quantity Req'd.	Description
N/A		


**Legend**


 **STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.

 **OPERATOR SAFETY:** Use caution to avoid risk of injury.

 **CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

 **TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

 **REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

 **SAFETY TORQUE:** This mark indicates that torque is related to safety.

# TOYOTA 4RUNNER TRD PRO 2014 - TRD ALLOY WHEEL TRIM KIT Procedure

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your local dealer for a copy of this document.

## Modification Kit Contents:

P/N: **PTR25-89150** 

### NOTE:

The large roll of double sided tape is not included with this P/N and is provided to the ports separately.

The DIO kit includes a smaller roll

## 1. Prepare the Tools and Supplies.

- (a) Verify that all components are present before beginning accessory installation. See Page 1 Kit Contents, Hardware, Additional Items Required, and Recommended Tools, etc.



Fenderliner Templates  
Driver Side & Passenger Side



3M Foam Sanding Block - Fine



Clamp

Marking Templates (LH & RH)

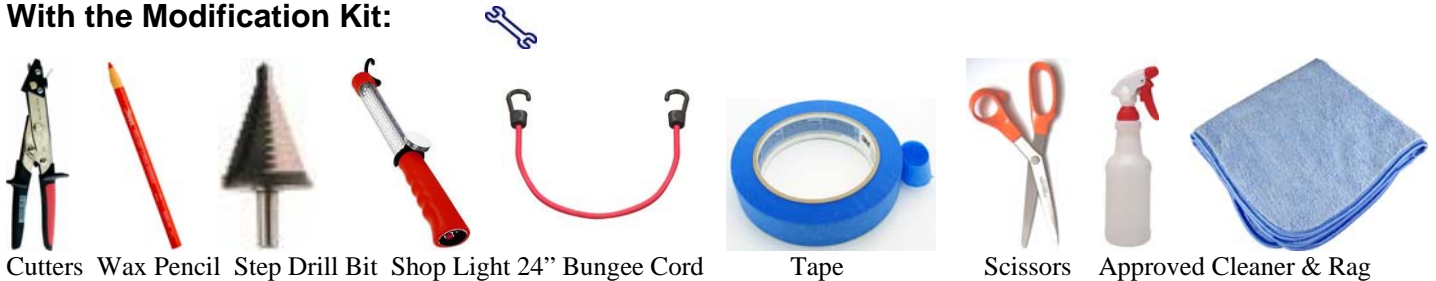


Double Sided Foam Tape



Modified CHANNELLOCK® Cutting Plier

## Additional Tools Needed – Not Provided With the Modification Kit:



Cutters Wax Pencil Step Drill Bit Shop Light 24" Bungee Cord

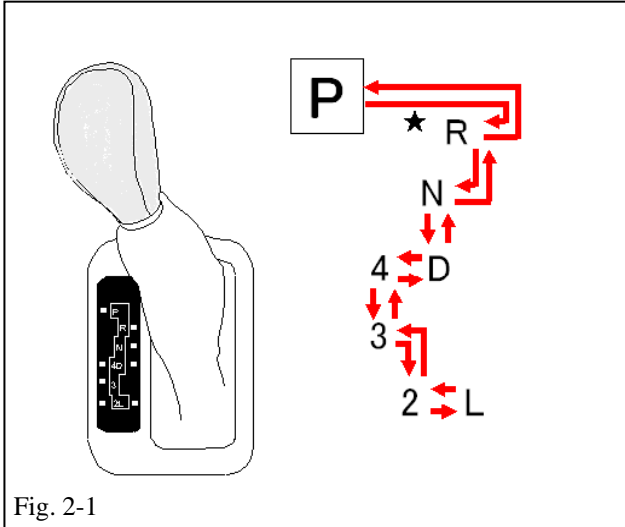
Tape

Scissors

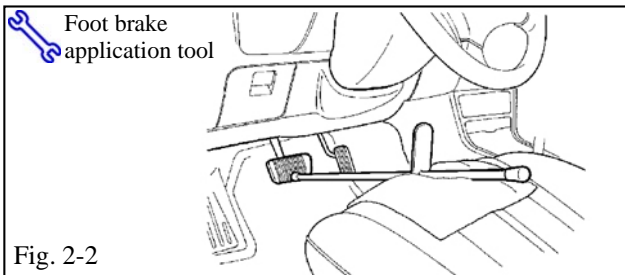
Approved Cleaner & Rag

**2. Prepare the Vehicle.**

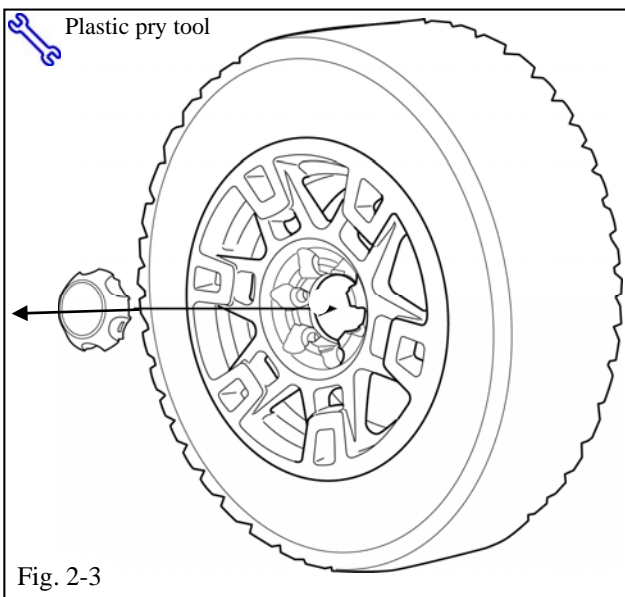
- STOP** (a) Firmly apply the parking brake.
- (b) Put the transmission in "P" (Fig. 2-1).

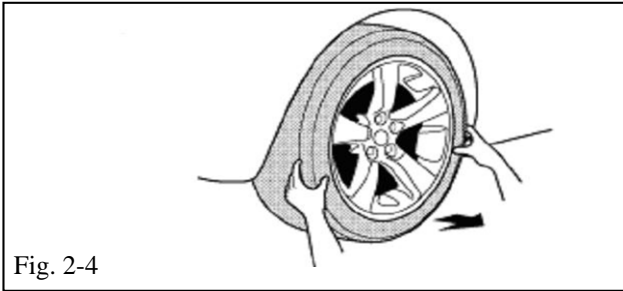


- STOP** (c) Add seat protection (blanket) and apply the foot brake with a foot brake application tool (Fig. 2-2).
- (d) Carefully raise the vehicle on a lift.

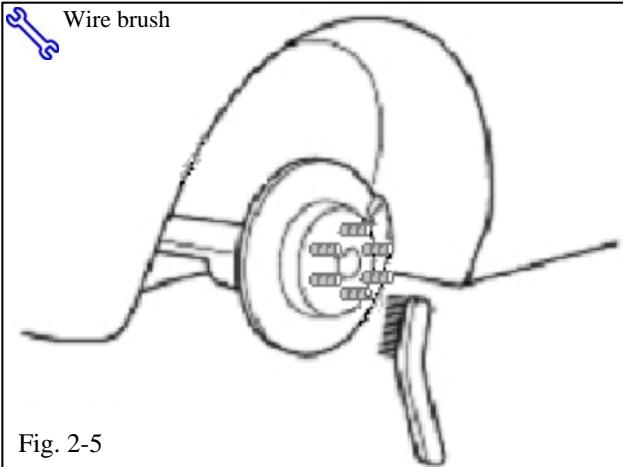


- (e) Remove the 2 front center caps (Fig. 2-3).



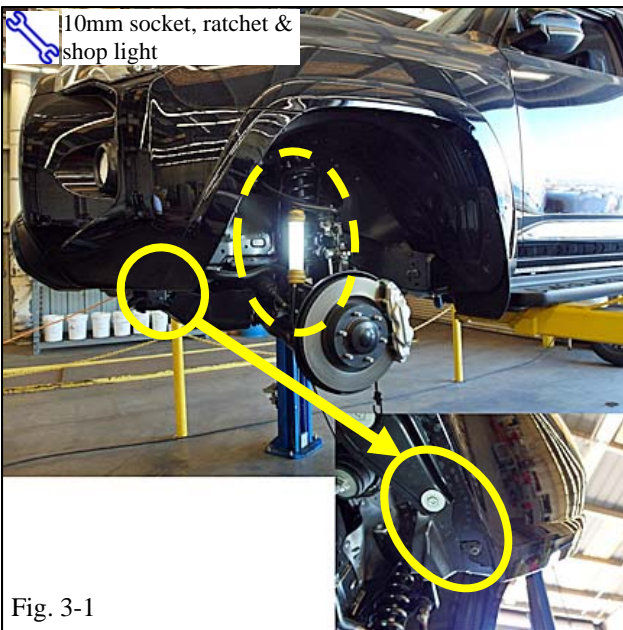


- + (f) Remove the 2 front wheel and tire assemblies from the vehicle (Fig. 2-4). Wear safety glasses while removing the wheels.
- (g) Keep ALL OE lug nuts with the takeoff wheels, for use/disposition later, per local regulations.

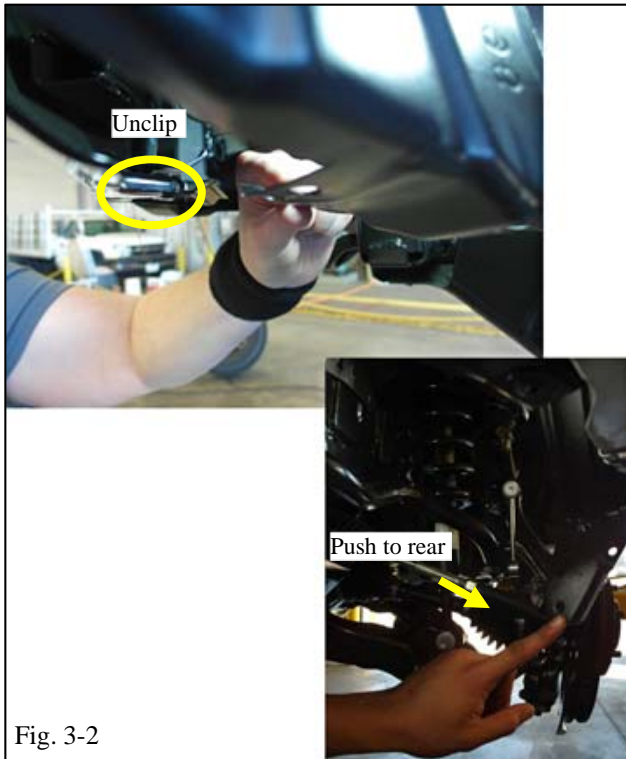


- + (h) If required, remove any corrosion on the mounting surface of the vehicle with a wire brush. Wear safety glasses to protect against any debris (Fig. 2-5).

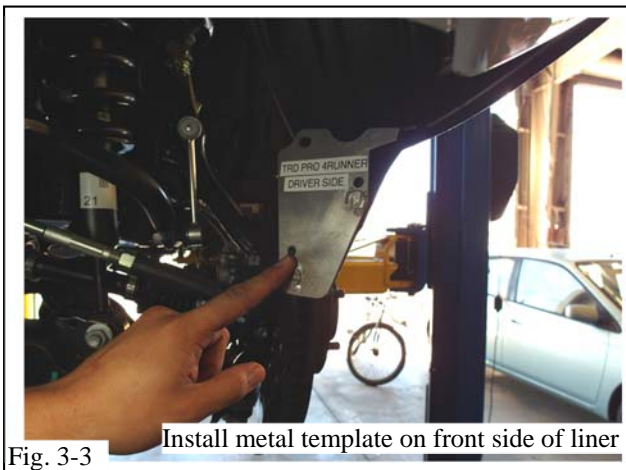
### 3. Modify the Front Fender Liner.



- (a) Remove the 2 fasteners on the lower side of the fender liner as shown in Fig. 3-1. Shop light use is recommended.



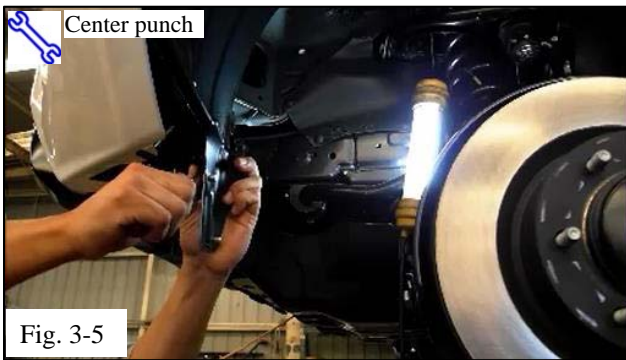
- (b) Unclip the fender liner and pull it towards the rear of the vehicle (Fig. 3-2).



- (c) Install the metal fender liner template on the front side of the fender liner into the 2 existing holes (RH & LH templates are unique) (Fig. 3-3).



(d) Use a wax pencil to outline 2 new holes and the area to be cut (Fig. 3-4).



**+** (e) Use a center punch to mark the center of the 2 holes. Remove the metal template (Fig. 3-5).



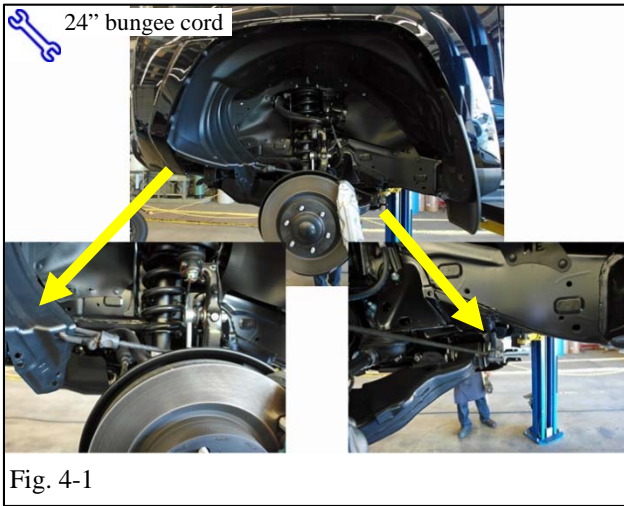
**+** (f) Cut the marked plastic area (Fig. 3-6).



**STOP** (g) Drill both sides of the new holes marked by the center punch to remove the flash. Set a drill stop at 8-9mm or 5/16" – 3/8" (Fig. 3-7).


#### 4. Modify the Front Bumper Cover.

- (a) Pull the fender liner back and secure it with a 24" bungee cord attached to the hole in the fender liner and to the lower control arm rear bolt (Fig. 4-1).

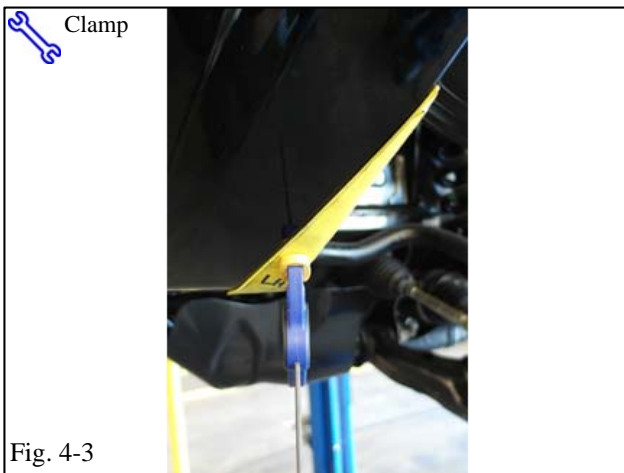


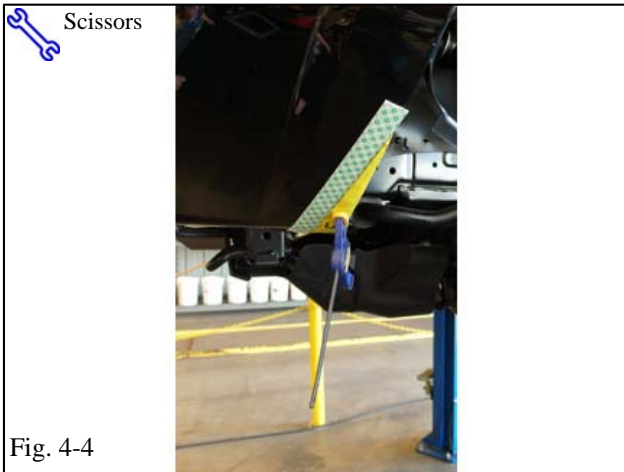
- (b) Clean and dry the work area (lower rear edge of the bumper cover) with an approved cleaner and rag (Fig. 4-2). Spray the rag, not the bumper.



-  (c) Locate the LH marking template on the bumper cover and secure it with the clamp (Fig. 4-3).

**NOTE:** The edge of the template will properly align to the edges of the bumper cover. The marking templates are yellow in the picture for contrast. The actual templates are milky white.

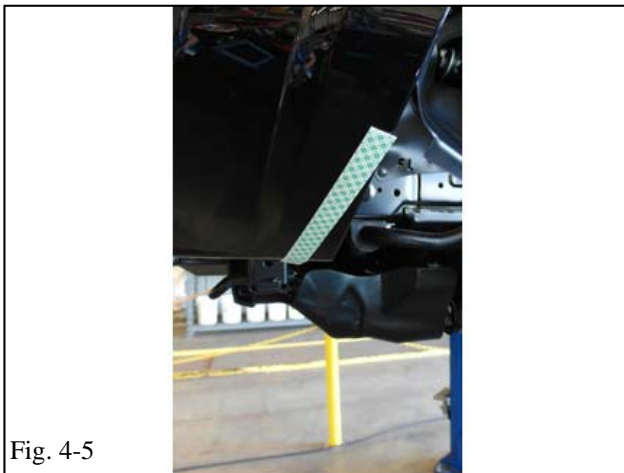




- (d) Use scissors to cut an 8” strip of double-sided foam tape and apply it to the edge of the marking template (Fig. 4-4).

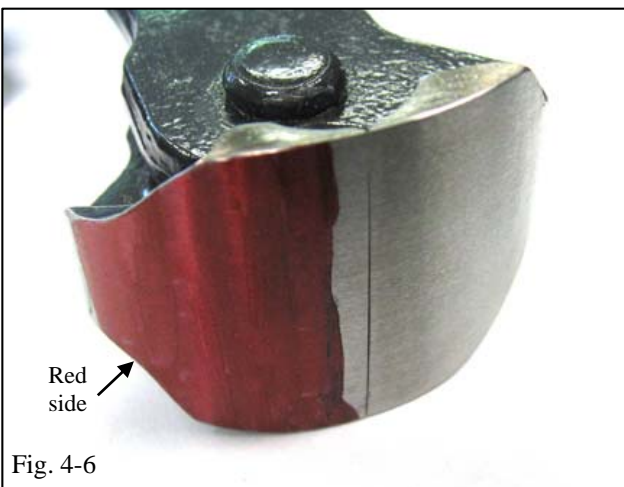
**NOTE:** Do not remove the white/green checkered plastic liner on top of the foam tape.

**NOTE:** When repeating this step for the opposite side, always use a new piece of tape.



- (e) Remove the marking template & clamp (Fig. 4-5).

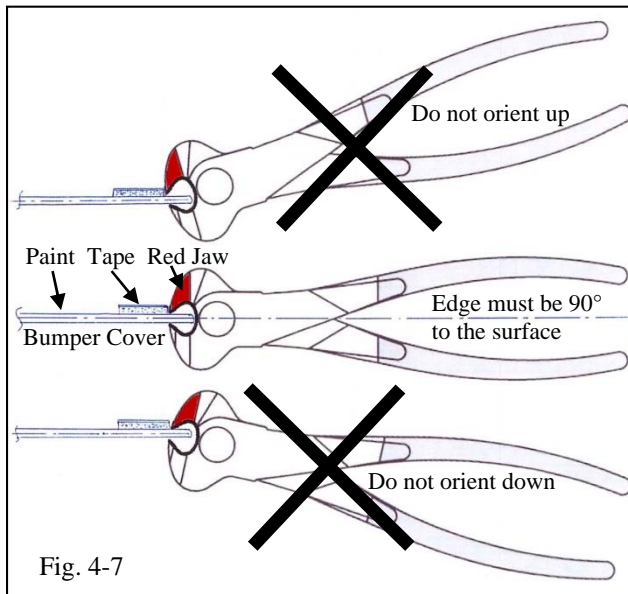
**NOTE:** The area to the right of the foam tape in Fig. 4-5 will be removed using the cutting pliers that came with the modification kit.



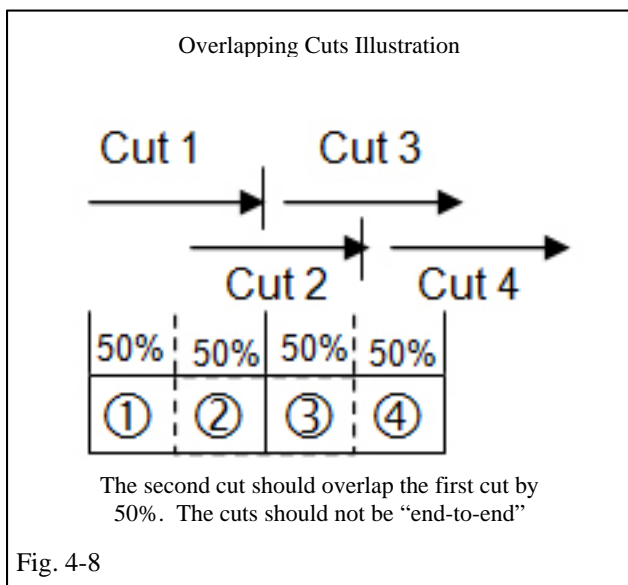
- (f) **Before Proceeding**, it is important to understand the proper use of the cutting plier.

- (1) One side of the front face of the pliers is marked red (Fig. 4-6).
- (2) The red side of the plier is intended to cut the painted surface of the bumper cover (paint against paint).

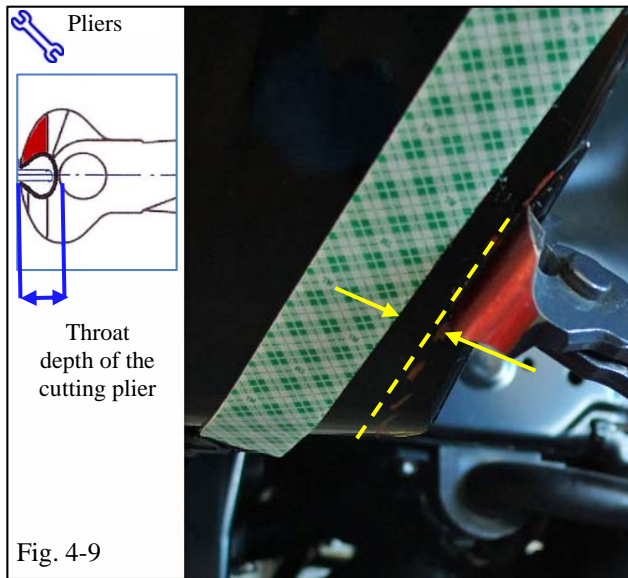




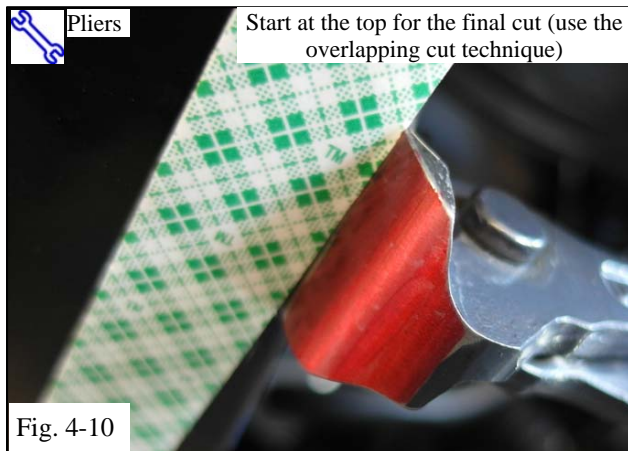
- ⚠ (3) When holding the cutting plier in place on the portion of bumper cover to be removed, it is **important to keep the plier oriented** as shown in Fig. 4-7.
- (4) While holding the red jaw against the edge of the tape, keep the face of the jaw parallel to the edge of the tape and just touching the tape.
- (5) Do not push hard enough against the tape to distort the plastic liner on the tape.



- ⚠ (6) Finally, do not take full cuts across the face of the jaw. **Only cut half way across the jaw before moving the cutting plier to take another half face cut (partial cuts)** (Fig. 4-8).



(g) Because the throat depth of the cutting plier is less than the maximum width of the segment to be removed, it is necessary to **first make a preliminary cut** removing approximately half of the segment between the yellow arrows in Fig. 4-9.

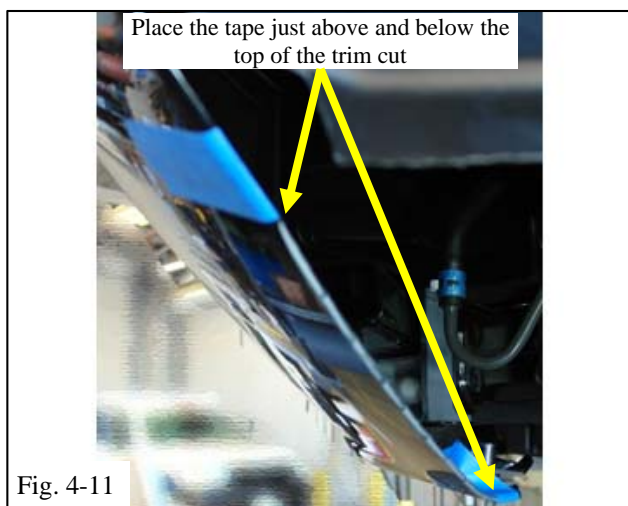


**!** (h) **Starting at the top**, trim along the rear edge of the tape working to the bottom as shown in Fig. 4-10 with **overlapping cuts** (Fig. 4-8).

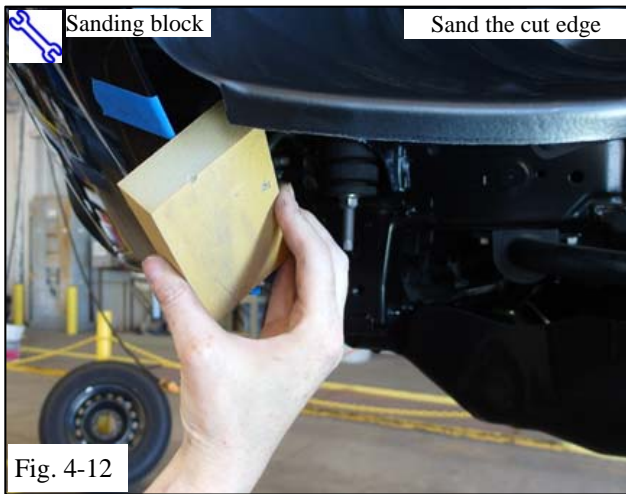
- (1) The cutting pliers should be pushed up against the foam tape, but not too hard so that it deforms the tape edge.
- (2) Take care to hold the tool at 90° to the tape.
- (3) Work carefully to ensure a neat cut line.

(i) After completing the cut, remove the foam tape.

(j) Apply masking tape to the **painted edge** of the bumper cover **just above and below** the top of the trim cut (Fig. 4-11).



- (1) The yellow arrow points to where the paints starts at the upper end of the trim.
- (2) The purpose of the tape is to protect the paint during Step 4(k).



- (k) Use the foam sanding block to lightly sand the cut edge to remove any feather type slivers of plastic bumper material (Fig. 4-12).
  - (1) When sanding the edge, use light pressure and keep the block square with the edge.
  - (2) Only a few strokes should be needed to ensure all of the loose slivers on the cut edge have been removed.
- (l) Remove the tape and **clean the bumper surface** (repeat Step 4(b)).
- (m) Remove the bungee cord and shop light.
- (n) Push the fender liner back into position and reinstall the 2 fender liner fasteners that were removed in Step 3(a).

**NOTE: The fasteners must be inserted into the 2 new holes drilled in Step 3(g).**



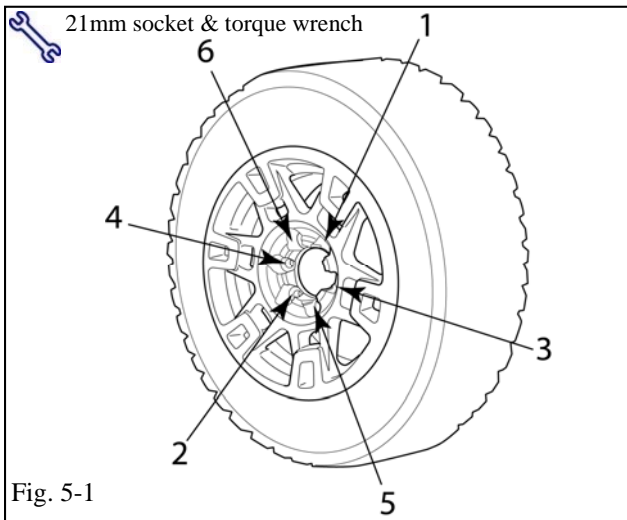
- (1) The silver fastener goes in the front and the black fastener goes in the rear hole location (Fig. 4-13).



- (2) To confirm the fender liner is installed into the new holes, the fender liner and the modified bumper will now be flush with each other (Fig. 4-14).
- (3) The repair manual does not provide torque values for these fasteners as they are not hard joints.
- (4) Take care to confirm the bungee cord and shop light were removed from the vehicle.
- (o) Repeat Steps 3-4 on the RH (passenger) side of the vehicle.

### 5. Install the Wheel/Tire Assemblies.

**STOP NOTE:** If TRD Pro wheels & tires have not been installed yet, refer to the TRD PRO Alloy Wheel & Tire Installation Instructions. If they have already been installed, continue with Step 5(a).



- (a) Install the 2 wheel and tire assemblies on the vehicle. Hand-start the lug nuts during installation. Tighten lug nuts in sequence 1 through 6 (Fig. 5-1). Ensure that the socket does not scuff the wheels. Use a torque wrench to tighten the lug nuts to **83 lbf-ft** (113 N·m).

**S Torque: 83ft·lbf (113 N·m)**

- (b) Lower the vehicle.

**STOP** (c) Re-torque all lug nuts in the same 1 through 6 sequence (Fig 5-1).

**S Torque: 83ft·lbf (113 N·m)**

**STOP NOTE:** If the vehicle will be equipped with optional wheel locks, follow the wheel lock installation instructions. If they have already been installed, continue with Step 6(a).

**6. Install the Center Caps.**

- (a) Install the TRD center caps onto the 2 front wheels (Fig. 6-1).

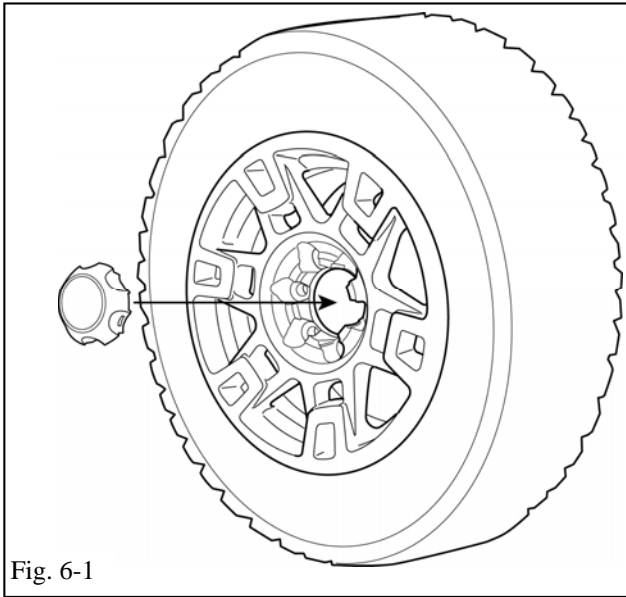


Fig. 6-1

- (b) Align the center cap as shown in Fig. 7-2 and then gently push the cap into the wheel until the cap snaps into place.

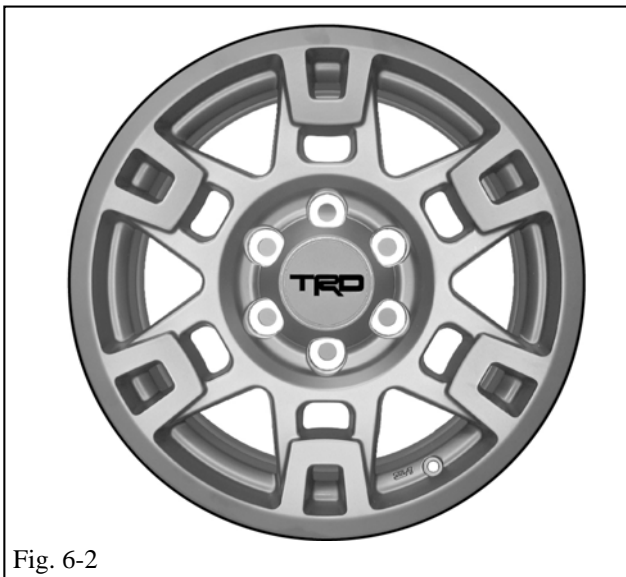





Fig. 6-2

**TOYOTA 4RUNNER TRD PRO 2014 - TRD ALLOY WHEEL TRIM KIT**  
 Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
 <input type="checkbox"/> TRD PRO Package Wheels & Tires	Verify if TRD PRO Package Wheels will be installed before or after this install. Follow the TRD PRO Package Alloy Wheel / Tire Installation Instructions.
 <input type="checkbox"/> Lug nut tightness	Six (6) lug nuts must be installed on each wheel. The wheels should be tightened to <b>83 lbf-ft</b> (113 N-m) using a torque wrench.
 <input type="checkbox"/> Optional <u>wheel locks</u>	Confirm that the wheel lock installation instructions were followed. Verify that the optional wheel lock key tool is attached to the vehicle lug wrench in the vehicle and the paperwork is placed into the vehicle glove compartment.
<input type="checkbox"/> Center cap installation	Verify the center caps are securely in place on all wheels.
<u>Vehicle Appearance Check</u>	Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)
<input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.	