

**PT228-16220 Activity Mount**  
**PT228-16221 Tow Hitch****Kit Contents**

Item #	Quantity Req'd.	Description
1	1	Receiver Mount
2	1	Hardware Kit
3	2	Frame Brackets
4	2	Closeout Plates

**Hardware Bag Contents**

Item #	Quantity Req'd.	Description
1	8	M12 Bolt
2		
3		

**Additional Items Required for Installation**

Item #	Quantity Req'd.	Description
1	1	Lower Bumper Fascia Kit (STD) (PT228-16222)
	1	Lower Bumper Closeout (HV/Sport) (PT228-16230)
2	1	Receiver plug (C0325-99990)
3	1	TOW HITCH ONLY--Tow Wire Harness (PT725-16220), (not applicable for Activity Mount)

**Conflicts**

None
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**Recommended Tools**

Personal & Vehicle Protection	Notes
Safety glasses	
Please see your Toyota dealer for a copy of this document.	
Installation Tools	Notes
Torque Wrench	>171 Nm (126 ft-lbf)
Socket Wrench	
Socket Extension	
Socket	M10, M12, M17
Small Flat Head Screwdriver	
Clip puller	
Cutting Tool	

**General Applicability**

MY22 and newer Corolla Cross models
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**Recommended Sequence of Application**

Item #	Accessory
1	Activity Mount/Towing Hitch
2	Tow Wire harness (for Tow Hitch ONLY)
3	Lower Bumper Fascia
4	Mudguard

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

Item #	Quantity Req'd.	Description
1		
2		
3		

**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.



**REGULATORY MARK:** This mark indicates the component is related to regulatory compliance

## 1. Prepare Vehicle for Hitch Installation.

- (a) Verify kit contents
- (b) Cover exhaust pipe with clean shop towel
- + (c) Caution: muffler may be hot and/or sharp
- + (d) Wear safety glasses.

## 2. Remove the Wheel Liner (LH/RH)

- (a) Use a flat head screwdriver or clip puller to remove 4 push pins along the wheel liner (Figs. 2-1 & 2-2).

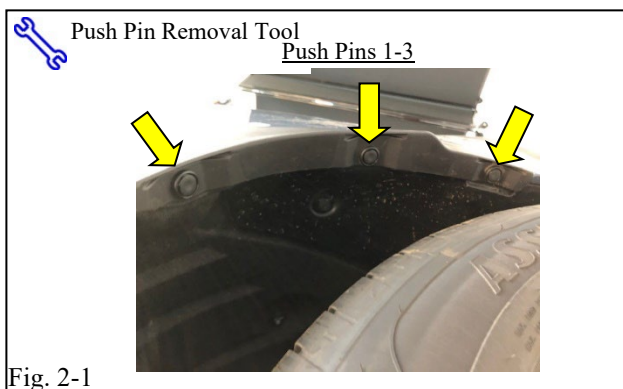


Fig. 2-1

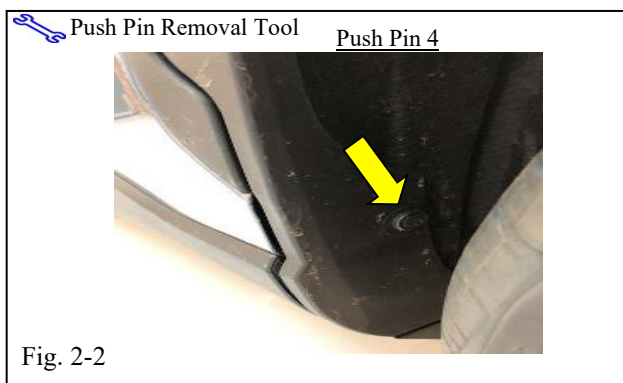


Fig. 2-2

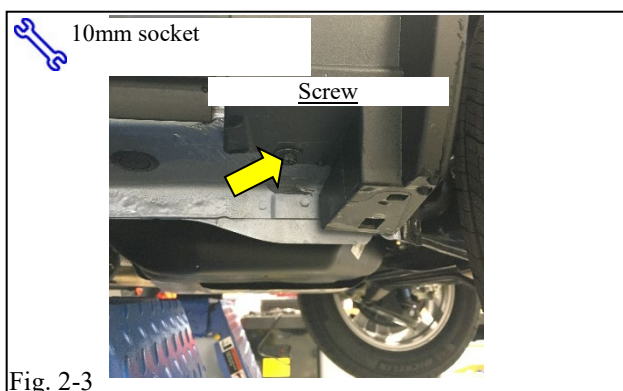
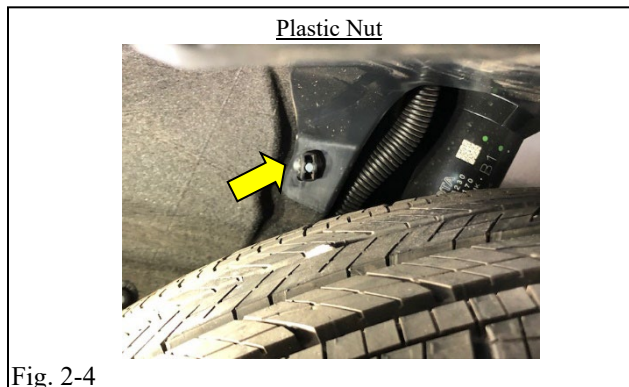


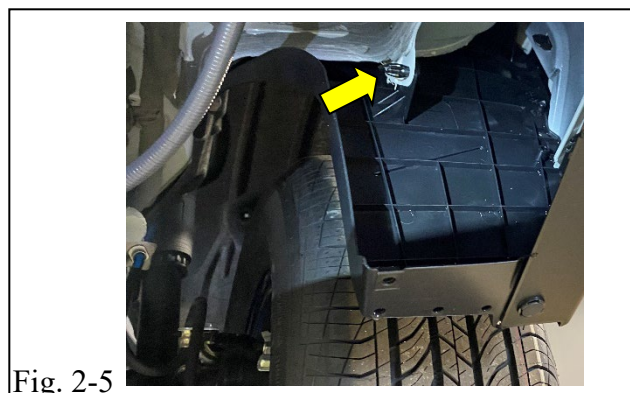
Fig. 2-3

- (b) Use a 10mm socket head screwdriver to remove the single screw at the bottom of the wheel liner (Fig. 2-3).



(c) Remove the plastic nut on the wheel liner bracket (Fig. 2-4). Remove rearward inboard clip (Fig. 2-5). Remove the plastic wheel liner bracket.

(d) Open rear door. Starting from the forward end, pull the wheel liner outboard to disengage the first 11 clips. Disengage the remaining 3 most rearward clips by first disengaging by hand (Fig. 2-6). Remove the wheel liner.



### 3. Remove the Lower Fascia Cover from the Lower Bumper

(a) Use a flat head screwdriver to disengage 2 push pins under the lower fascia (Fig. 3-1).



(b) Use a Phillips head screwdriver to disengage 2 Phillips screws on the fascia cover (Fig. 3-2).





(c) Use an M10 socket and a socket wrench to remove 4 M10 screws on the Lower Fascia Cover (Fig. 3-3).



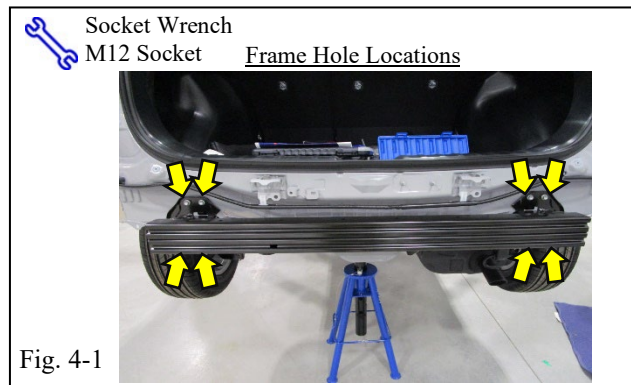
(d) Use a flat head screwdriver to disengage 1 push pin at each rear wheel on the lower fascia (LH/RH) (Fig. 3-4).



(e) Place protective tape as necessary to the forward body panel (which remains on the vehicle) to avoid scratching during removal and re-installation (Fig. 2-6). Starting from the front, carefully detach the Lower Fascia Cover from the bumper and detach the wire harness clip (if present). (Fig. 3-5)

(f) Remove the Lower Fascia Cover from the bumper.





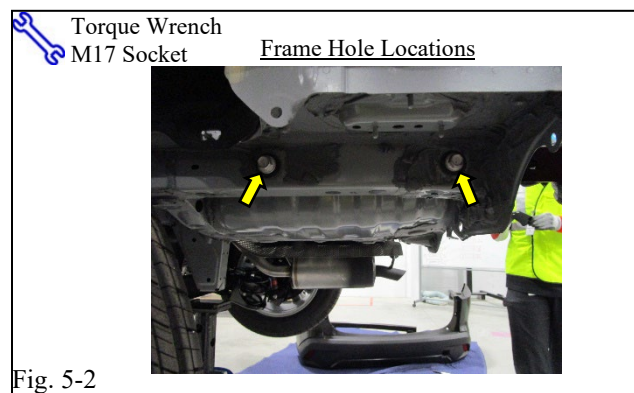
#### 4. Remove Bumper Beam and Discard

(a) Remove 8 bolts from the bumper bar (Fig. 4-1). Remove and discard bumper beam. Set the bolts aside for later use.

#### 5. Install Frame Brackets

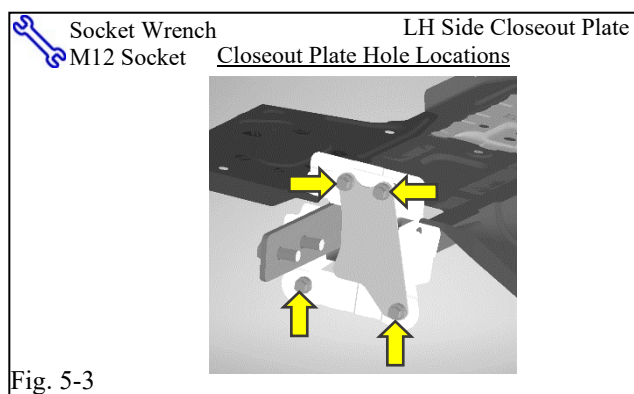
(a) Remove sealant and stickers covering bolt holes (Fig 5-1) so bolt heads sit flush to frame. Do not use a metal tool.

(b) Hand-tighten bolts so the brackets are flush to the frame rail. (Fig 5-2)

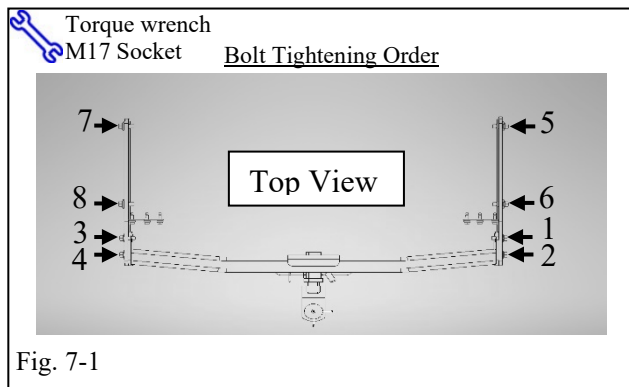
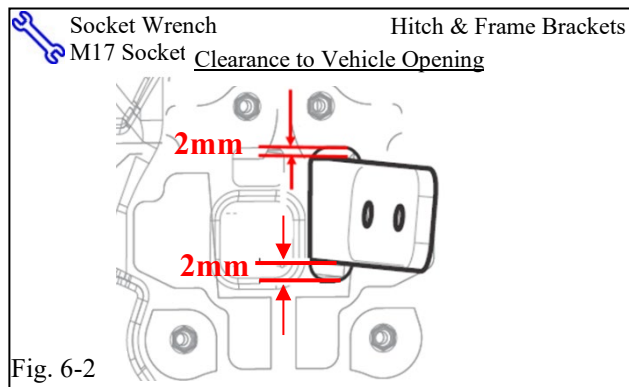
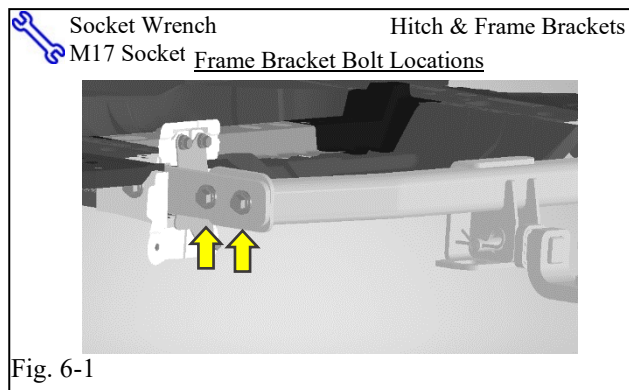


(c) Attach the closeout plates (LH/RH) using all 8 M8 bolts removed from the bumper bar in step 4-a. Torque the bolts to 30 Nm (22 ft-lbs) (Fig. 5-3).

**⚠ Note:** three bolts are used to attach the bracket and one bolt is re-installed on the vehicle.







## 6. Install Cross Tube.

- Lift cross tube into position in between the two frame brackets. Visually align the holes with the holes in the brackets (Fig. 6-1).
- Install (2) M12 bolts through the frame brackets into the hitch bracket weld nuts on both the LH and RH sides (Fig. 6-1).
- Visually center bracket in vehicle opening to provide 2mm minimum clearance to top and bottom portions of vehicle opening (Fig. 6-2).

## 7. Torque Hitch Bolts.

- Tighten all M12 bolts to 119 Nm (88 ft-lbf) in the order shown. An extension may be needed for bolts 7 & 8 (Fig. 7-1).

**Torque: 119 Nm (88 ft-lbf)**

## 8. Install Wiring Harness (Tow Hitch Only)

- If installing Tow Hitch, install wire harness at this point per PT725-16220 instructions.

Bumper Fascia – Hitch Cover Clip Locations

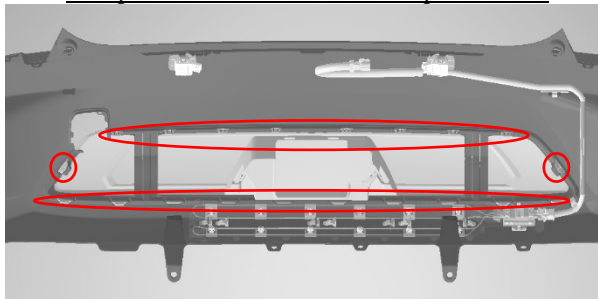


Fig. 9-1

Bumper Fascia Removal

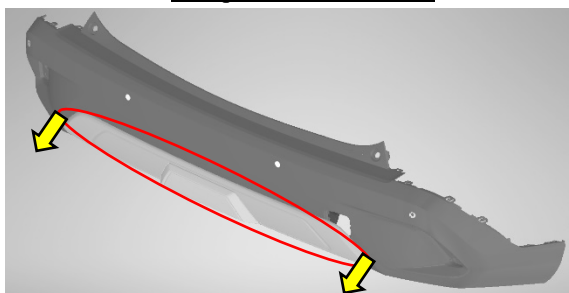
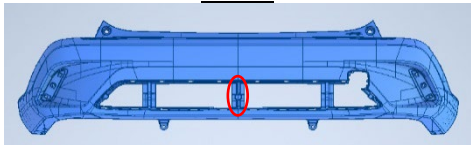


Fig. 9-2



Fig. 9-3

Before



After

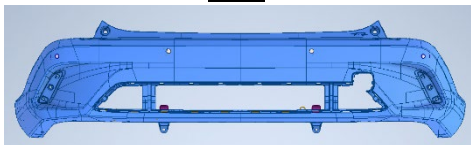


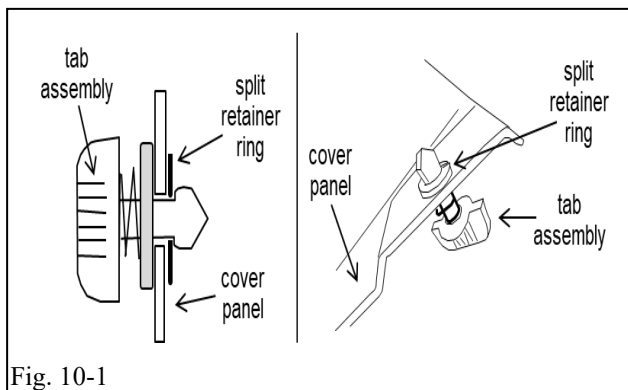
Fig. 9-4

## 9. Remove Lower Cover from Bumper Fascia

**NOTE:** Steps 9-12 are applicable to Normal (STD) vehicles and fascia part PT228-16222. For HV & Sport vehicles and fascia PT228-16230, skip to step 13.

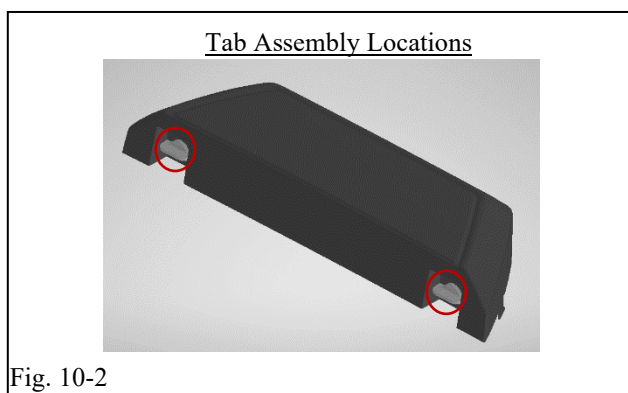
- (a) Carefully detach the 18 snap fits and 2 Kanuki clips on the lower bumper fascia cover and remove the cover from the fascia. (Figs. 9-1 & 9-2). Discard the lower cover.
- (b) Remove tow hook close out cover from glove box and install onto lower fascia. Note the retention feature must be first threaded onto the lower fascia (Fig 9-3).

- (c) Trim out the center pillar in the lower fascia opening. (Fig 9-4)

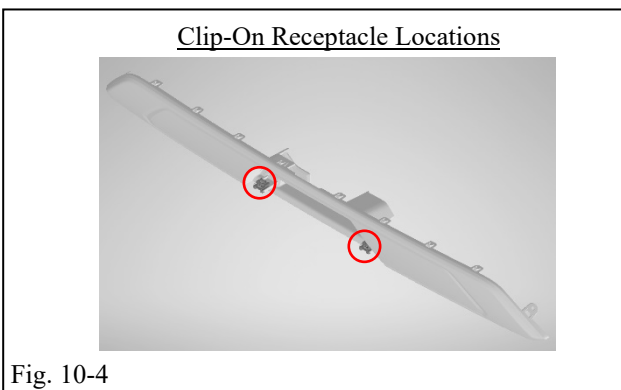
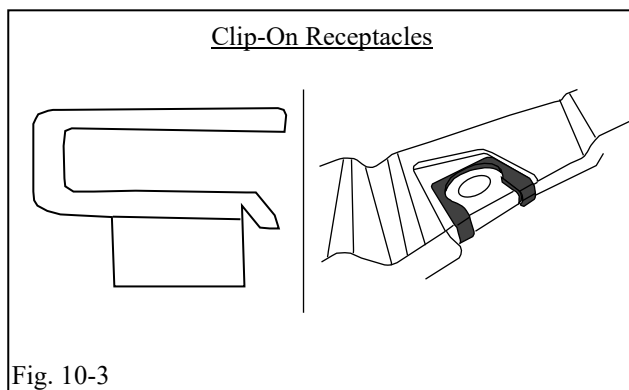


## 10. Install Clips onto Hitch Lower Cover

(a) Install the tab assemblies into the center cover panel as shown. Install the split retainer ring onto the opposite of the cover panel to hold everything in place. (Figs. 10-1 & 10-2)



(b) Install the clip-on receptacle onto the main bumper fascia (Figs. 10-3 & 10-4).





Bumper Fascia – Lower Cover Clip Locations

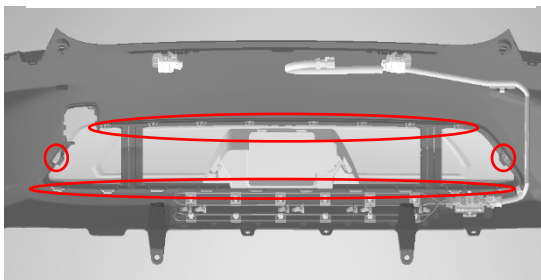


Fig. 11-1

### 11. Install Tow Hitch Lower Cover onto Bumper Fascia.

- (a) Install tow hitch lower cover to bumper fascia using the same attach points used to hold lower cover clips seen in step 9-a. (Fig. 11-1).
- (b) Reinstall the fasteners removed in step 9-a.

Closeout Plate Install Location

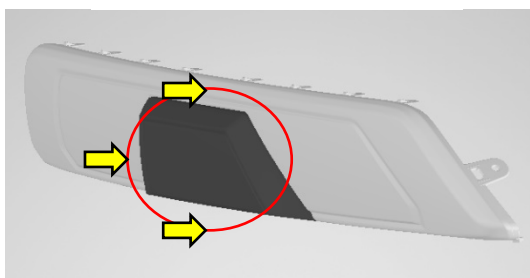


Fig. 12-1

### 12. Install Closeout

- (a) Attach the closeout plate to tow hitch lower cover and secure each clip in the proper attach point (Figs. 12-1 & 12-2).
- (b) Turn installation clip tabs  $\frac{1}{4}$  clockwise to lock the cover in place (Fig. 12-3).

Closeout Plate Installation Clip Tabs

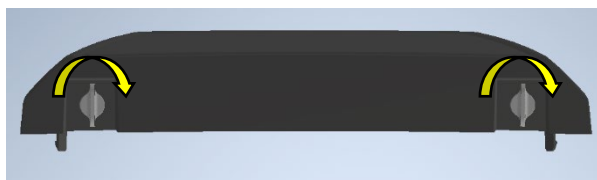


Fig. 12-2

Closeout Plate Clips

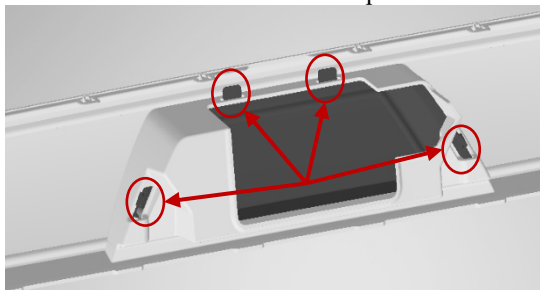
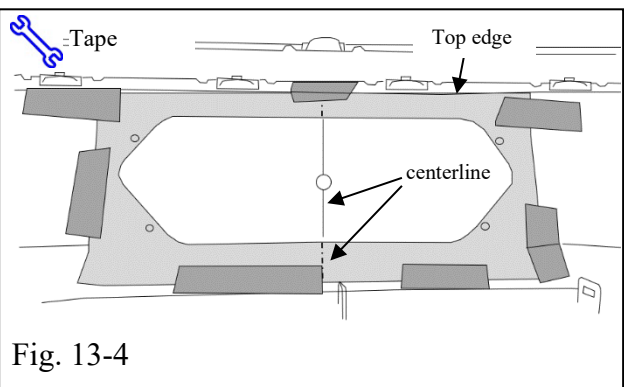
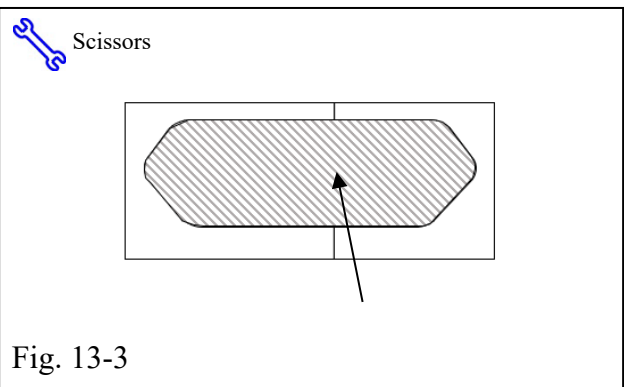
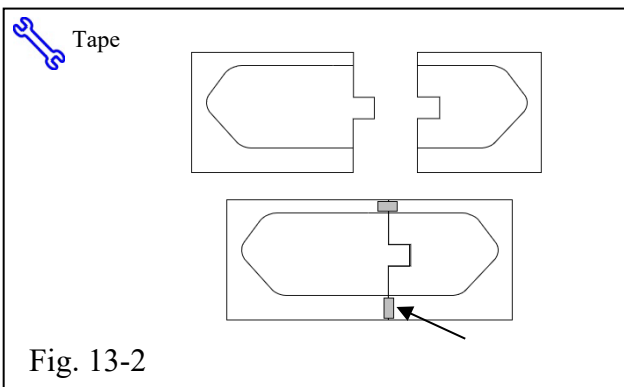
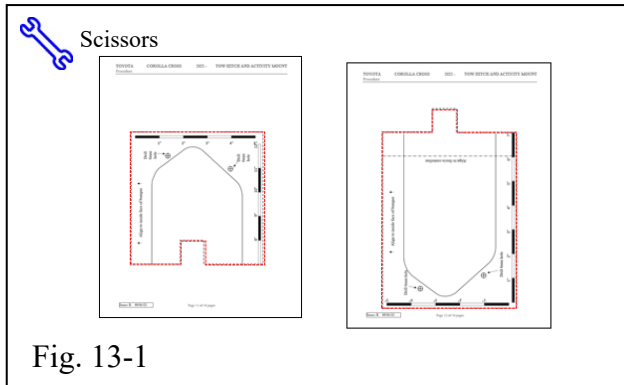


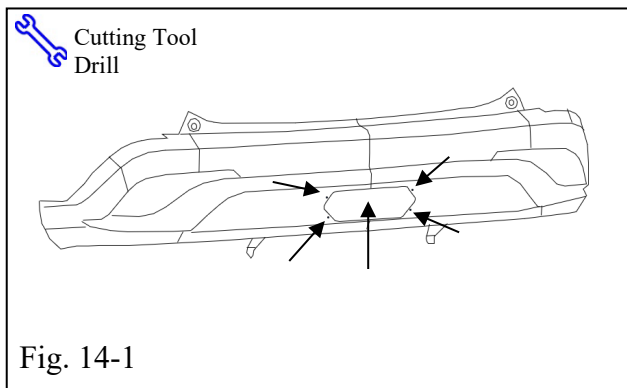
Fig. 12-3



### 13. Prepare Cutting Template

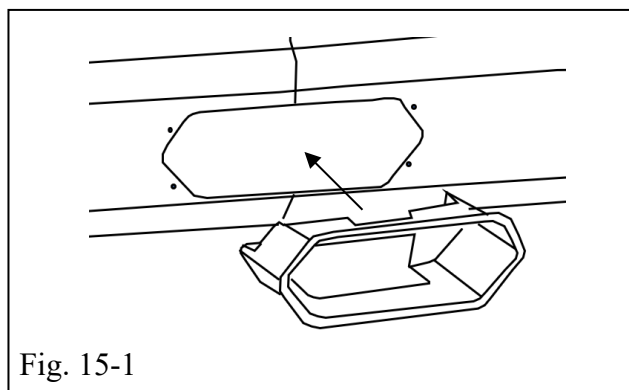
**NOTE: Steps 13-15 are applicable to HV & Sport vehicles and fascia PT228-16230.**

- Print out the template on pgs. 12-13. Print at actual size (or 100%). Do NOT 'fit to page'
- Use the ruled lines to verify correct print size.
- Cut the templates out along the dotted line. (Fig. 13-1)
- Tape the 2 pieces together. (Fig 13-2).
- Cut out the inside profile. (Fig 13-3).
- Locate the paper template on the inside surface of the bumper fascia by aligning the bumper centerline with the template centerline and aligning the top edge of the template with the top edge of the flat surface just below the clips. (Fig. 13-4).
- Tape the template into place and mark the opening and 4 hole locations onto the bumper. (Fig. 13-4)



#### 14. Cut Bumper

- Using a cutting tool, cut out the opening in the bumper fascia. Then use a drill with the 6mm (or 1/4") bit to drill holes into the bumper in the 4 locations per the template. (Fig. 14-1)
- Clean the rough edges of cut surfaces

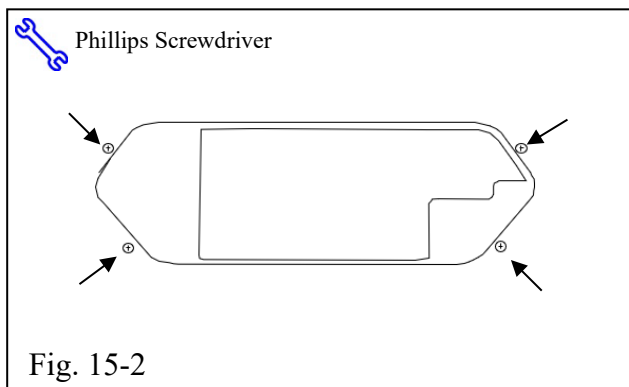


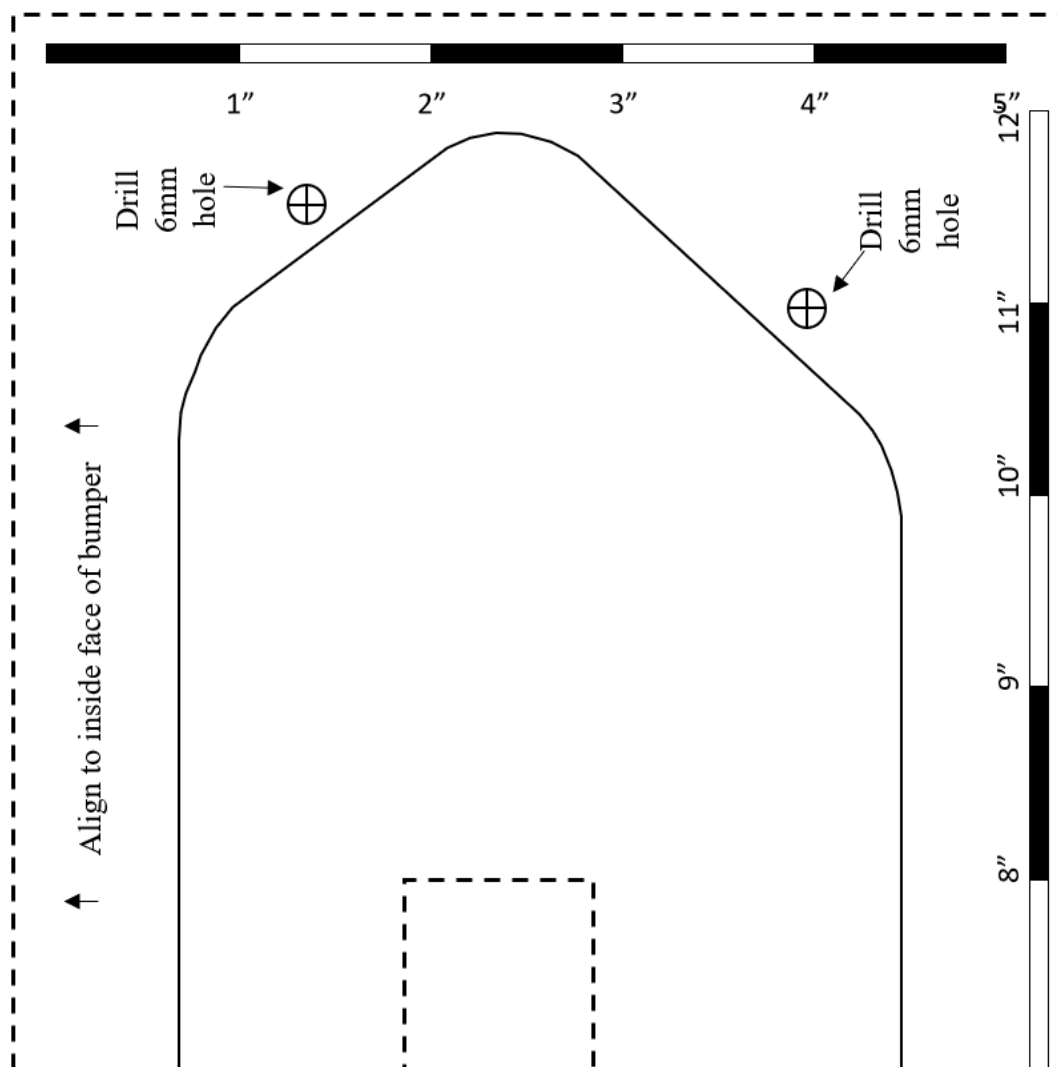
#### 15. Install Closeout Cover

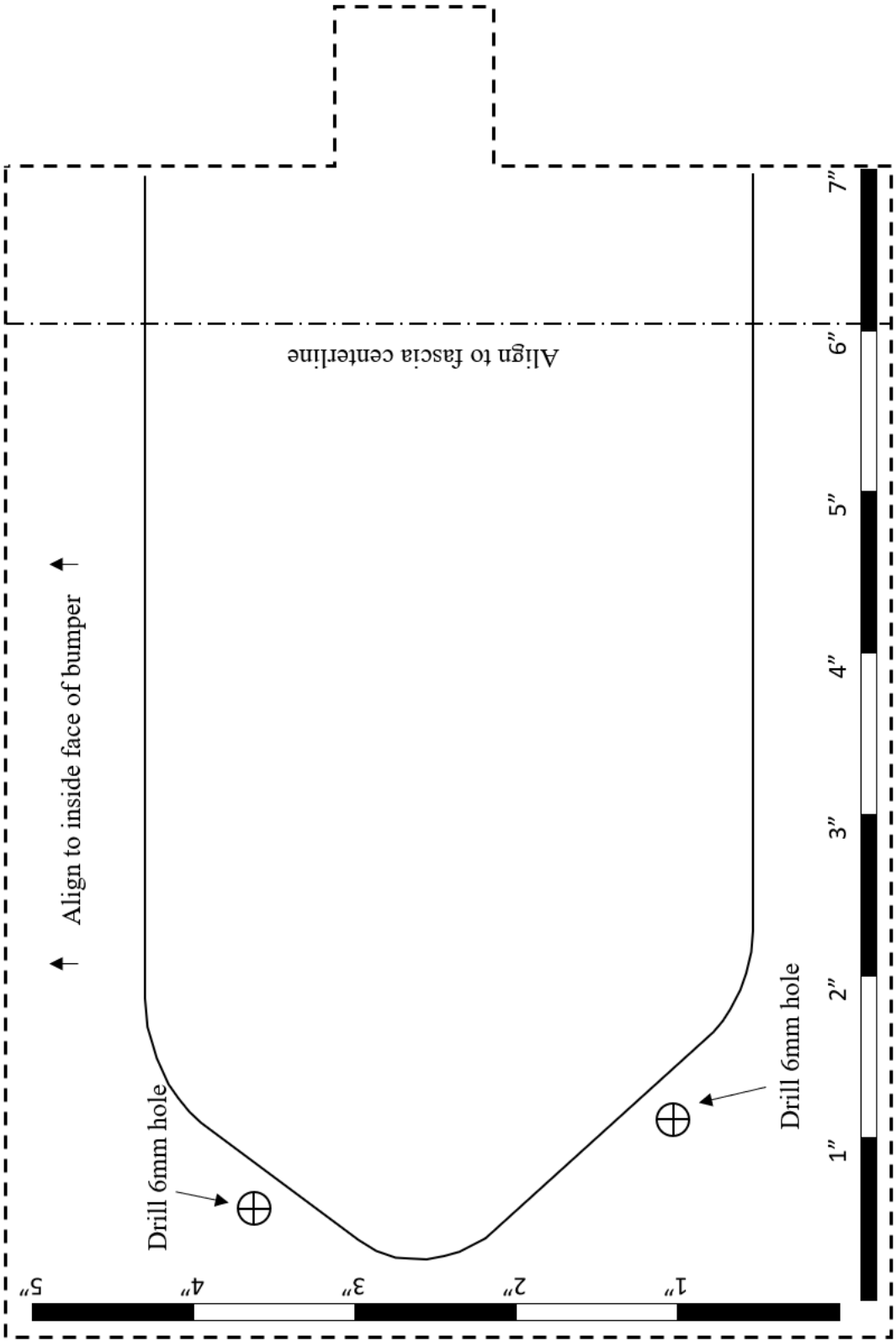
- Install the closeout cover into the bumper opening from the outside.
- Align the bumper hole with the screw hole in the closeout and install a self-tapping screw & flat washer. Repeat for the 3 remaining holes. (Fig. 15-2)



While pushing the closeout flush to the bumper, tighten the 4 screws (Fig. 15-2); if a drill/driver is used, make sure it is on a setting low enough to prevent overtighten. Over tightening will cause stripping of the holes and damage to the closeout.









## 16. Re-install fascia (all grades)

- (a) Re-install bumper fascia onto (Step 3)

Note: re-connect rear back-up sensor (if applicable)

Note: clip in step 3d (Fig 3-4) must be reinstalled prior to re-installing fender liner



- (b) Re-install fender liner (Step 2)




- (c) Re-install fender liner bracket (Step 2)

## 17. Receiver plug

- (a) Place receiver plug (C0325-99990) in glove box

**TOYOTA COROLLA CROSS 2022 - TOW HITCH & ACTIVITY MOUNT**  
 Checklist - these points **MUST** be checked to ensure a quality installation.

Accessory Function Checks

- ☐ Perform visual check of trailer hitch
- ☐ Installation Torque (M17 bolts)
- ☐ Installation Torque (M12 bolts)
- ☐ Receiver neck clearance.
- ☐ Bracket clearance
- ☐ Removed parts.
- ☐ Vertical indicator lines on bracket
-  ☐ Rear Back-up sensor (if equipped)  
 Caution: Be sure the foot brake is applied

Look For:

No visible gaps between mating parts of loose bolts.

119 Nm (88 lbf-ft)  
 30 Nm (22 lbf-ft)

Must not be touching lower bumper cover opening.

2mm minimum clearance to top and bottom portion of vehicle opening

Scratches or other damage

Visible from side of vehicle

Listen for sound when object is placed near sensor


Vehicle Appearance Check

- ☐ After accessory installation and removal of protective cover(s), perform a visual inspection.

Look For:

Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMNA Accessory Quality Shipping Standard.)

**FOR TORQUE AUDIT PURPOSES ONLY**

Fastener Description	Audit Torque Range	Target	Page #
8x M12 Bolts	 103-171 N·m (76-126 ft·lbf)	119 N·m (88 ft·lbf)	5