

Part Number: PT228-35243**Kit Contents**

Item #	Quantity Reqd.	Description
1	1	Tire Carrier Assembly
2		
3		

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	4	M6 bolt
2	8	M8 bolt
3	8	Bed Spacer
4	3	M12 nuts
5	8	3M double sided tape strips

Additional Items Required for Installation

Item #	Quantity Reqd.	Description
1		
2		
3		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Painter's tape	Used to protect bed surface
Special Tools	Notes
Installation Tools	Notes
Drill Stop	Set to 10mm
Tape Measure	
Marking Pen	
Drill	
Drill bits	5/8", 11/32" (16mm, 9mm)
Drill Stops	Set to 1 inch depth.
Center Punch	For marking hole center positions
Ratchet wrench	
Sockets	10mm, 13mm
Torque Wrench	28 Nm (21 ft-lbs)
Special Chemicals	Notes
Alcohol wipes	Used to clean under bed surface.

General Applicability

MY24 and newer Tacoma, Tacoma HV models

Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	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

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 Toyota dealer for a copy of this document.

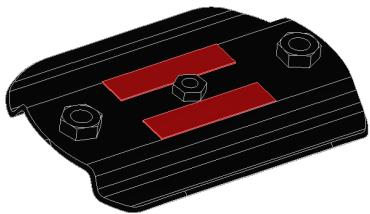


Fig. 1-1

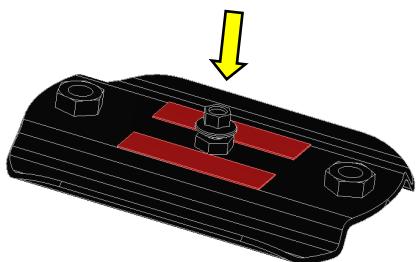


Fig. 1-2

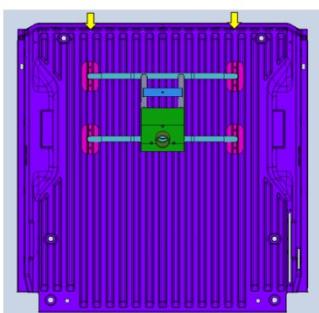


Fig. 2-1

1. Prepare lower mount plate brackets.

- (a) Clean the surface of the lower mount plate brackets with alcohol.
- (b) Apply 2 strips of 3M double-sided tape to each of the 4 brackets. (Fig. 1-1)
- (c) Apply pressure across full length of tape to fully adhere.
- (d) Hand install an M6 bolt into the center weld nut from the weld nut side on each bracket.

2. Install Tire Carrier into bed.

- (a) Apply painter's tape on bed channels where the tire carrier will sit to protect bed surface from damage.
- (b) Install the tire carrier centered on the vehicle bed as shown. Align the mount brackets into the bed grooves with the drain holes. (Figs. 2-1)

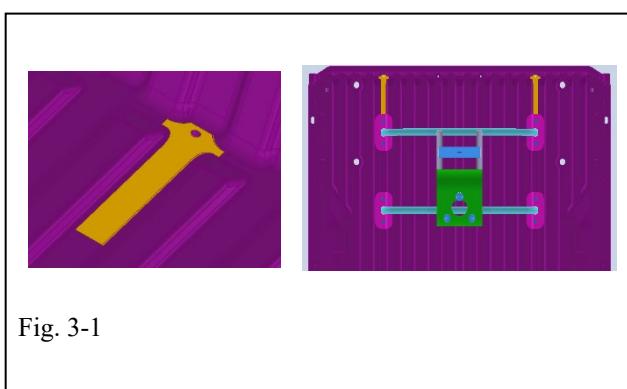


Fig. 3-1

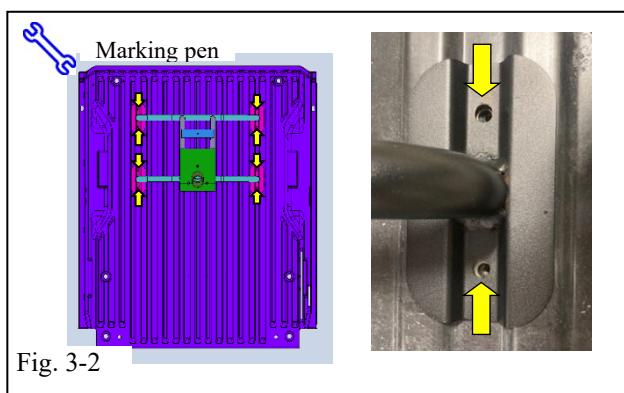


Fig. 3-2

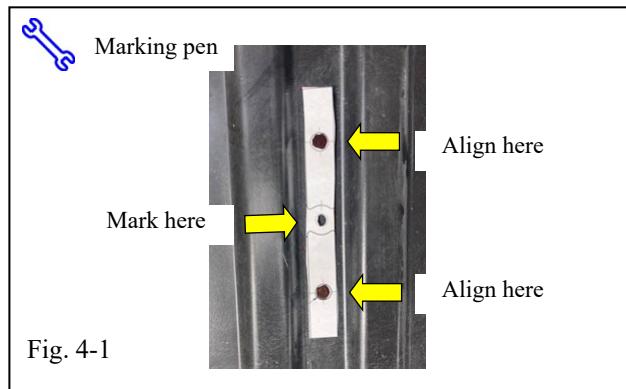


Fig. 4-1

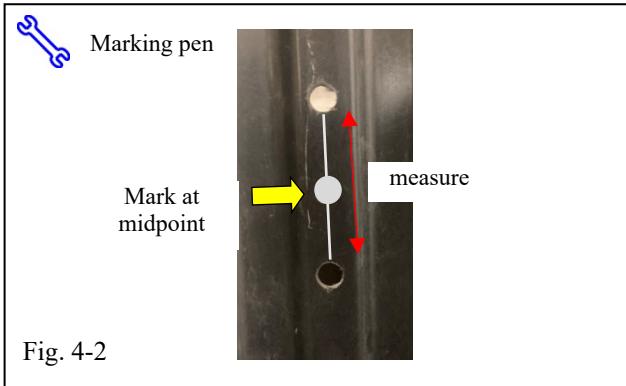


Fig. 4-2

3. Locate Tire Carrier in bed and mark holes.

- Cut out the 2 template on page 7 and align with the bed grooves and drain holes. You may need to move the tire carrier rearward. (Fig. 3-1)
- With the templates in place, align the front edge of the carrier bracket with the rear template edges. (it should be ~182mm from the face of the vertical bulkhead)
- With the tire carrier in place, use the tire carrier as a template to mark the 8 mounting hole locations (Fig. 3-2). Remove tire carrier.
- Use a center punch to mark the center of each of the 8-hole locations.
- Drill each location with a 5/8" (or 16mm) drill bit with drill stop at 10mm.

4. Mark small holes

- Cut out the paper template on page 8.
- In each of the 4 locations, align the 2 outside holes on the template to the drilled holes. (Fig. 4-1)
- With the template in place, mark the middle hole (Fig. 4-1)
- If no template is available use tire carrier as the template by marking each hole position. Once holes are marked and drilled out measure. Measure from hole edge to hole edge and mark center position between both holes with a center punch. (Fig. 4-2)

5. Drill small holes.

- (a) Use a center punch to mark the center of each Drill each location with an 11/32' (or 9mm) drill bit with drill stop at 10mm.

6. Mount lower bed plate brackets.

- (a) From the underside of the bed, find the 12-hole locations. (Fig. 6-1)
- (b) Clean the 4 mounting surfaces on the underside of the bed with alcohol (Fig. 6-1)

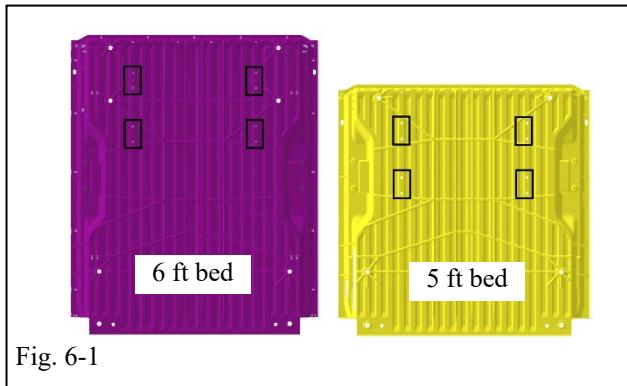


Fig. 6-1



Fig. 6-2

- (c) Remove the tape liner from the double-sided from the underside of the vehicle, align each of the 4 brackets with the holes drilled in the bed using the center bolt attached to the bracket as a guide pin. (Fig. 6-2)

NOTE: one set of LH/RH brackets will be found closely between support ribs.

- (d) Mount the bracket against the underside of the bed using the tape to temporarily hold the bracket in place. (Fig. 6-2)

- (e) Install spacers and both M8 bolts by hand tightening into each of the outer holes and removed M6 bolt from the bracket underside. (Fig. 6-3)

- (f) Hand tighten the M8 bolts but allow for some bracket adjustment in subsequent steps.

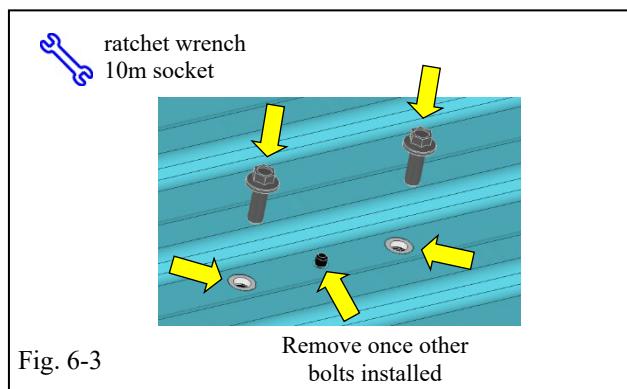


Fig. 6-3



Fig. 7-1

7. Install Tire Carrier

- Reinstall M6 bolt to center hole from the top and torque to 12 Nm (9 ft-lbs.). Remove M8 bolts. (Fig. 7-1)
- With the spacers remaining in place, install the tire carrier into the bed, aligning the mounting brackets with the bed holes.



Fig. 7-2

- Install M8 bolts at each of the mounting holes. The bolt will go through the mounting bracket, spacer, and into the weld nut on the lower bed plate. Hand start each bolt but do not tighten. (Fig. 7-2)
- Once all 8 bolts are loosely installed, tighten each bolt.

8. Torque bolts

- Torque all M8 bolts to 32 Nm (24 ft-lbs.) in the order shown in Fig. 8-1.

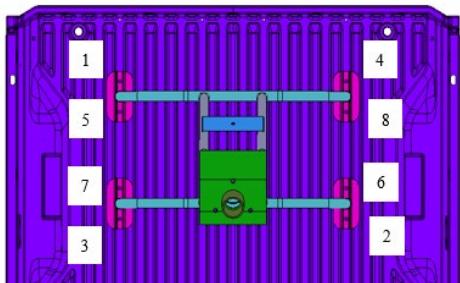
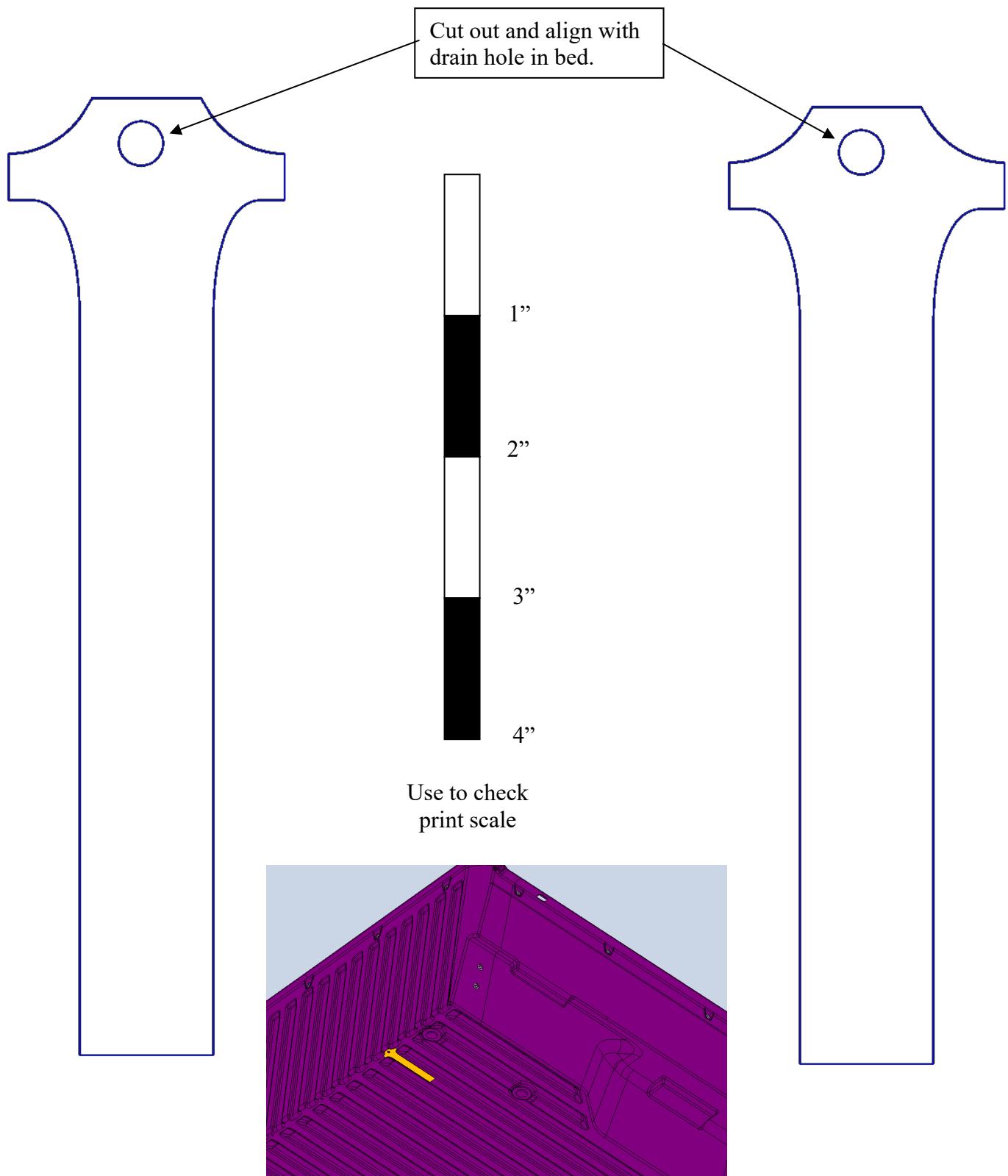
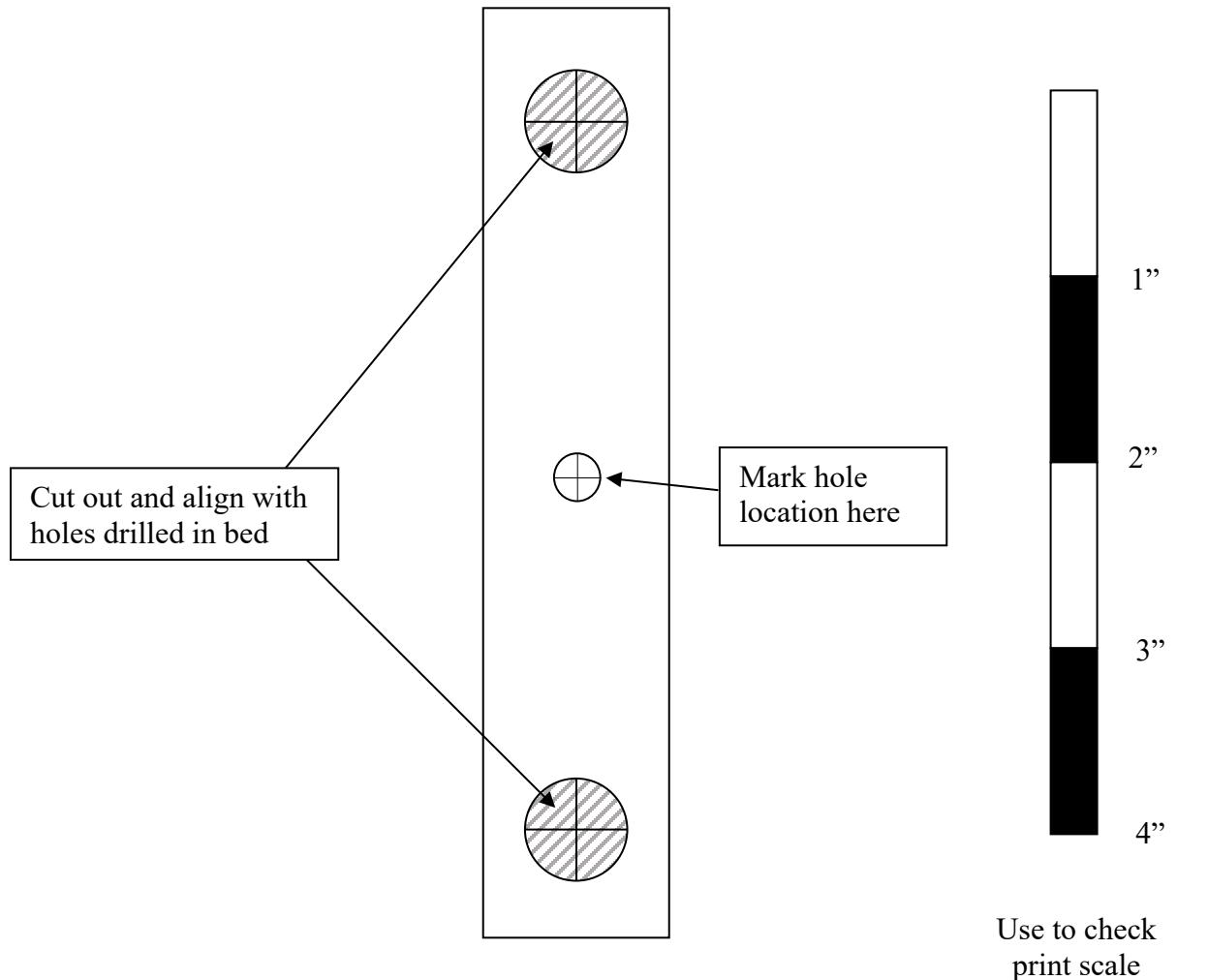


Fig. 8-1

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:	Look For:
<input type="checkbox"/>	
 <input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<hr/>	
<u>Accessory Function Checks</u>	
<input type="checkbox"/>	
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<input type="checkbox"/>	
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<u>Vehicle Function Checks</u>	
<input type="checkbox"/>	
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<u>Vehicle Appearance Check</u>	
<input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.	





Use to check
print scale

MARKING TEMPLATE FOR CENTER
MOUNT HOLE – See Step 4