TOYOTA
Technical Service Bulletin

Abnormal Vibration From Accessory Roof Rack

Service Category Vehicle Exterior

Section Exterior Panels/Trim

Market USA and Mexico

Toyota Supports ASE Certification

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2024 - 2025	Tacoma, Tacoma HV	

Introduction

Some 2024 – 2025 model year Tacoma and Tacoma Hybrid vehicles equipped with an accessory roof rack may exhibit an abnormal vibration from the accessory roof rack while driving. New roof rack bumpers have been developed to address this vibration. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BD2423	R & R Roof Rack Bumpers	1.0	PT767-35100	9B	43

APPLICABLE WARRANTY

- **This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.**
- **Warranty application is limited to occurrence of the specified condition described in this bulletin.**

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BD2423	R & R Roof Rack Bumpers	1.0	PT767-35100	9B	43

APPLICABLE WARRANTY

- **This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 60,000 kilometers, whichever occurs first, from the vehicle's in-service date.**
- **Warranty application is limited to occurrence of the specified condition described in this bulletin.**

Abnormal Vibration From Accessory Roof Rack

Parts Information

PART NUMBER	PART NAME	QTY
PT767-35100-SK	Taco RFRCK	1

Required Tools & Equipment

REQUIRED TOOLS & MATERIAL	QTY
Protective Blanket	1
T30 Torx® Bit	1

Repair Procedure

1. Confirm the condition exists.

   Does the vehicle exhibit an abnormal vibration coming from the accessory roof rack while driving?

   - **YES —** Continue to step 2.
   - **NO —** This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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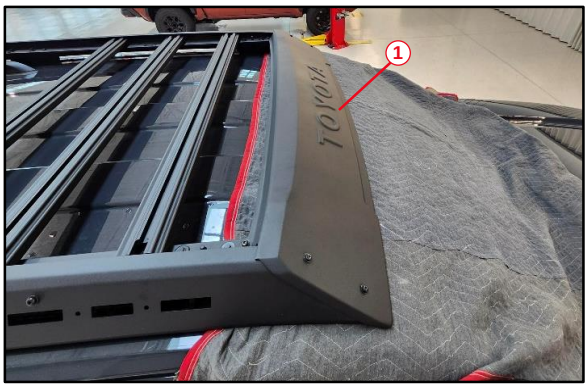
Repair Procedure (continued)

2. Remove the roof rack front fairing.
   A. Place a protective blanket under the front fairing for protection as shown in Figure 1.

Figure 1.



1	Front Fairing

   B. Use the T30 Torx® bit and wrench to remove the three bolts from the driver side of the front fairing shown in Figure 2.

Figure 2.

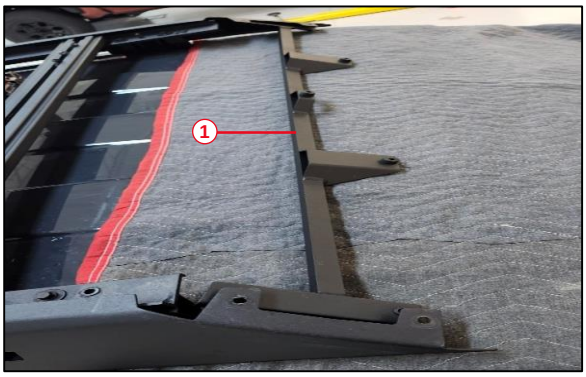
◯	Front Fairing Bolts

   C. Repeat substep B on the passenger side of the front fairing.

   D. Remove the front fairing from the roof rack assembly and set it aside for later use.

3. Remove the reinforcement bar from the roof rack assembly. Place the reinforcement bar on a flat surface for the next step.

Figure 3.



1	Reinforcement Bar

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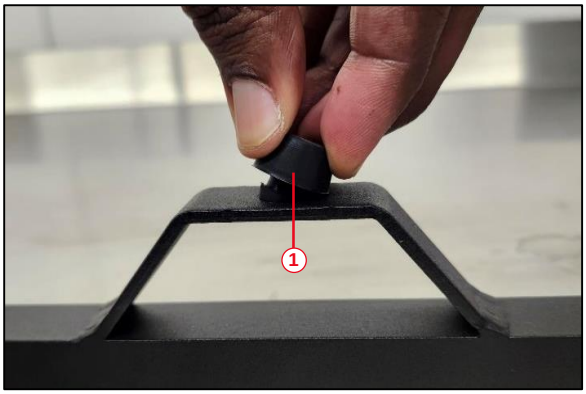
Repair Procedure (continued)

4. Remove the old roof rack bumpers from the reinforcement bar.
   A. Put the reinforcement bar on a flat surface.
   B. By hand, twist and remove the three bumpers from the reinforcement bar, as shown in Figure 4, and discard them.

Figure 4. Removing Roof Rack Bumpers

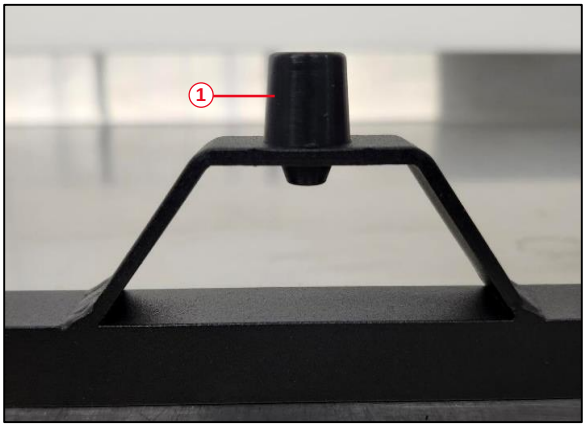


1	Old Roof Rack Bumper

   C. Install the three NEW supplied 15 mm roof rack bumpers into the reinforcement bar, as shown in Figure 5, by twisting and pressing into the bracket openings.

> NOTE
>
> Verify that the 15 mm roof rack bumpers are fully seated into the bracket openings.

Figure 5.



1	New Roof Rack Bumper

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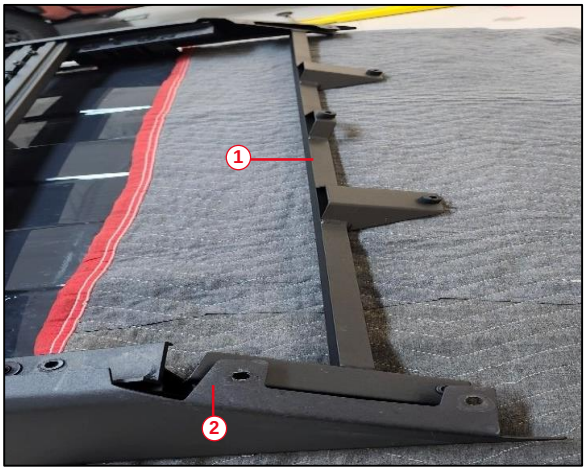
Repair Procedure (continued)

5. Reinstall the reinforcement bar and front fairing onto the roof rack.
   A. Reinstall the reinforcement bar behind the side panel brackets, onto the roof rack assembly as shown in Figure 6.
   B. Place the front fairing on top of the side panel brackets to prepare for bolt installation. Using the six NEW bolts from the Taco RFRCK kit, hand-start three bolts on the driver and passenger side of the front fairing.

   NOTE
   Do NOT fully tighten the bolts.

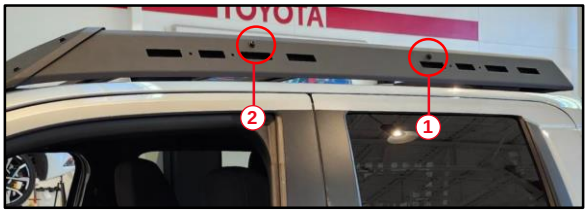
Figure 6. Reinforcement Bar Behind the Side Panel Brackets



1	Reinforcement Bar
2	Side Panel Brackets

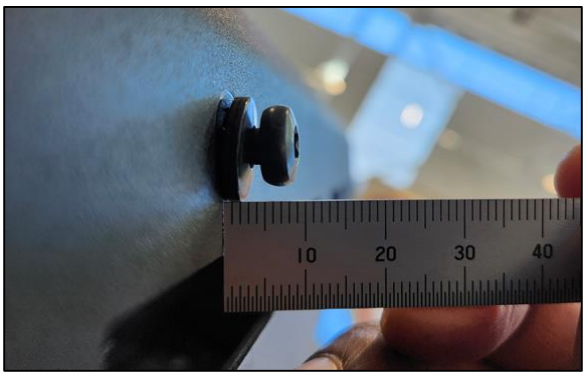
6. Change the roof rack side panel hardware.
   A. On the driver side, remove the rearmost roof rack side panel bolt and replace it with a NEW bolt from the Taco RFRCK kit. Hand-start the bolt a few turns without fully tightening it, as shown in Figure 8.
   B. On the driver side, remove the forwardmost roof rack side panel bolt, and replace it with a NEW bolt from the Taco RFRCK kit. Hand-start the bolt a few turns without fully tightening it, as shown in Figure 8.
   C. Repeat substeps A and B for the passenger side roof rack side panel.

Figure 7. Roof Rack Side Panel Hardware



1	Rearmost Roof Rack Side Panel Bolt
2	Forwardmost Roof Rack Side Panel Bolt

Figure 8. Bolt Not Fully Tightened



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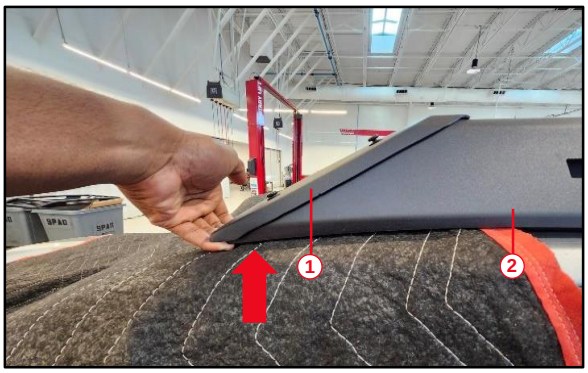
Repair Procedure (continued)

7. Adjust the height of the roof rack assembly.
   A. Starting on the driver side, lift the front fairing and side panel to create the largest gap possible between the roof of the vehicle and the roof rack assembly, as shown in Figure 9.

Figure 9.



1	Front Fairing
2	Side Panel

   B. While still lifting the front fairing and side panel, tighten the rearmost side panel bolt first, followed by the forwardmost side panel bolt to set the height on one side.

      Torque: 8 N*m (81.6 kgf*cm, 70.8 in*lbf).

      NOTE
      - Two people may be needed for this step.
      - Tighten the bolts in the sequence described in substep B.
      - Ensure that pressure is ONLY applied in the upward direction.

Figure 10.

1	Rearmost Roof Rack Side Panel Bolt
2	Forwardmost Roof Rack Side Panel Bolt

   C. Repeat substeps A and B on the passenger side roof rack side panel.

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Repair Procedure (continued)

8. Adjust the height of the front fairing.
   A. On the driver side, push the front fairing up and rearward as much as possible.

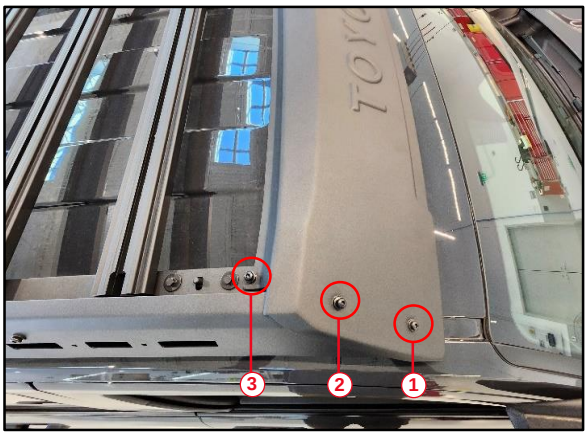
   B. While holding the front fairing up and rearward, tighten the forwardmost front fairing bolt first, followed by the middle bolt, and lastly, the rearmost front fairing bolt.

      Torque: 8 N*m (81.6 kgf*cm, 70.8 in*lbf).

      NOTE
      - Tighten the bolts in the sequence described in substep B.
      - Ensure that pressure is applied only in the upward and rearward directions.

   C. Repeat substeps A and B on the passenger side of the front fairing.

Figure 11.



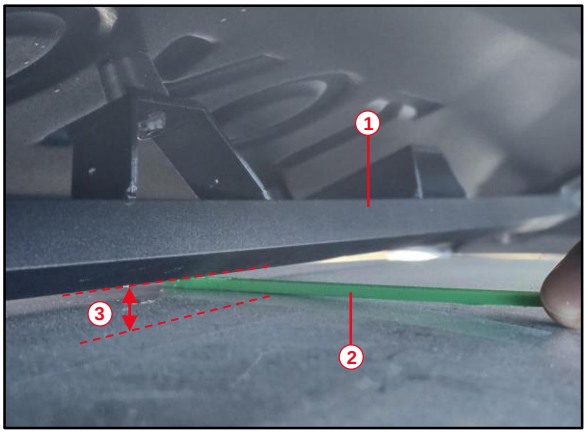
1	Forwardmost Front Fairing Bolt
2	Middle Front Fairing Bolt
3	Rearmost Front Fairing Bolt

9. Measure the gap between the reinforcement bar and the roof of the vehicle at the center, as shown in Figure 12, using the supplied gap gauge in the Taco RFRCK kit.

   NOTE

   If the gap distance is less than 2.5 mm, readjust by partially loosening the front fairing bolts and repeating step 8. Additionally, loosen the side panel bolts and repeat step 7.

Figure 12.



1	Reinforcement Bar
2	Gap Gauge
3	Distance Between the Reinforcement Bar and the Roof of the Vehicle

10. Test drive the vehicle and confirm the abnormal vibration is no longer present.