

Left-hand Side Outer Rear-view Mirror Vibration While Driving

Service Category Vehicle Exterior

Section Mirror (ext)

Market USA and Mexico

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2023	NX250, NX350, NX350H, NX450H+	

REVISION NOTICE

February 27, 2023 Rev1:

- The Parts Information section has been updated.
- Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2022 – 2023 model year NX 250, NX 350, NX 350h, and NX 450h+ vehicles may exhibit a condition in which the left-hand side outer rear-view mirror vibrates during vehicle operation. The mirror vibration can be observed while driving at speeds of 35 mph (56 km/h) or above. Follow the Repair Procedure in this bulletin to address this condition.

Left-hand Side Outer Rear-view Mirror Vibration While Driving

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Left-hand Side Outer Rear-view Mirror Vibration While Driving

Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
BD2018	R & R the Left-hand Side Outer Rear-view Mirror	1.0	87940-#####*	9B	40

*Warranty claim MUST be submitted with the correct 10-digit OFP. Choose the correct OFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY (USA)

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 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
BD2018	R & R the Left-hand Side Outer Rear-view Mirror	1.0	87940-#####*	9B	40

*Warranty claim MUST be submitted with the correct 10-digit OFP. Choose the correct OFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY (MEXICO)

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 80,000 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.

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Parts Information

For USA and Mexico Markets

Table 1. For TMK or Tahara Made Vehicles Equipped With a PVM Camera

PART NUMBER	PART NAME	QTY
87940-78700	Mirror Assy, Outer RR View, LH	1
87091-78010	Mirror Set, Outer RR View	1
67133-78020	Extension, FR Door Outside Pnl Reinf, RR	1

Table 2. For TMK or Tahara Made Vehicles Not Equipped With a PVM Camera

PART NUMBER	PART NAME	QTY
87940-78690	Mirror Assy, Outer RR View, LH	1
87091-78010	Mirror Set, Outer RR View	1
67133-78020	Extension, FR Door Outside Pnl Reinf, RR	1

Table 3. For TMMC Made Vehicles Equipped With a PVM Camera

PART NUMBER	PART NAME	QTY
87940-F6050-(A0/B0/B1/C0/C1/D0/E0/G0/J0)	Mirror Assy, Outer RR View, LH	1
87091-F6010	Mirror Set, Outer RR View	1
67133-78020	Extension, FR Door Outside Pnl Reinf, RR	1

Table 4. For TMMC Made Vehicles Not Equipped With a PVM Camera

PART NUMBER	PART NAME	QTY
87940-F6021-(A0/B0/B1/C0/C1/D0/E0/G0/J0)	Mirror Assy, Outer RR View, LH	1
87091-F6010	Mirror Set, Outer RR View	1
67133-78020	Extension, FR Door Outside Pnl Reinf, RR	1

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Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a vibration of the image shown in the left-hand side outer rear-view mirror while driving at speeds of 35 mph (56 km/h) or above?

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

2. Remove the left-hand side outer rear-view mirror from the door.

Refer to TIS, applicable model and model year Repair Manual:

- 2022 – 2023 NX 250, NX 350, NX 350h:
Vehicle Exterior – Mirror (Ext) – [“Mirror \(Ext\): Outer Rear View Mirror: Removal”](#)
- 2022 – 2023 NX 450h+:
Vehicle Exterior – Mirror (Ext) – [“Mirror \(Ext\): Outer Rear View Mirror: Removal”](#)

3. Is the NEW left-hand side outer rear-view mirror equipped with an outer mirror cover?

- **YES** — Go to step 5.
- **NO** — Continue to step 4.

4. Remove the outer mirror cover from the original left-hand side outer rear-view mirror and install it on the NEW left-hand side outer rear-view mirror.

Refer to TIS, applicable model and model year Repair Manual:

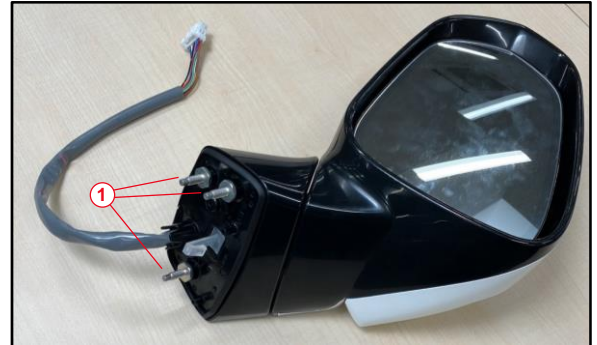
- 2022 – 2023 NX 250, NX 350, NX 350h:
Vehicle Exterior – Mirror (Ext) – [“Mirror \(Ext\): Outer Rear View Mirror: Disassembly”](#)
- 2022 – 2023 NX 450h+:
Vehicle Exterior – Mirror (Ext) – [“Mirror \(Ext\): Outer Rear View Mirror: Disassembly”](#)

Left-hand Side Outer Rear-view Mirror Vibration While Driving

Repair Procedure (continued)

5. Remove and replace the mirror-mounting stud bolts with the NEW mirror-mounting stud bolts.
 - A. Remove the three original mirror-mounting stud bolts.

Figure 1.



1	Original Mirror-mounting Stud Bolts
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- B. Install the NEW mirror-mounting stud bolts.
 - (1) Fasten the shorter side of the mirror-mounting stud bolts to the mirror base.

Figure 2.



- (2) Tighten ALL three mirror-mounting stud bolts.

**Torque: 4.5 N*m
(45.9 kgf*cm, 39.8 in*lbf)**

Figure 3.

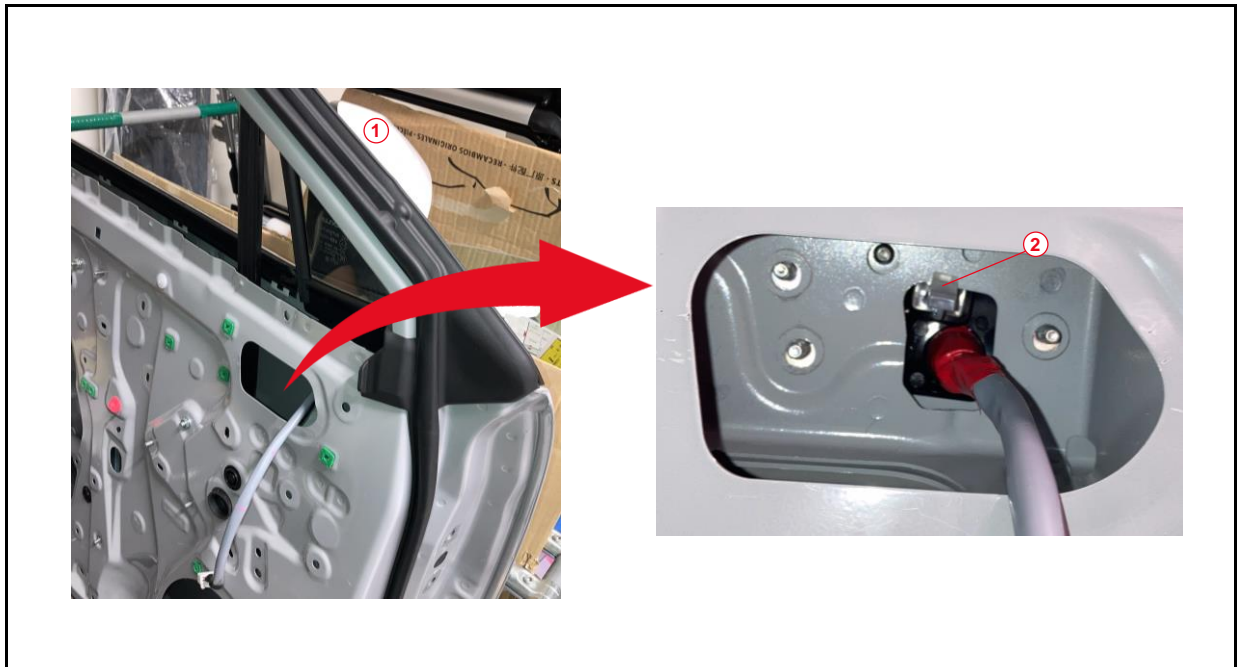


Left-hand Side Outer Rear-view Mirror Vibration While Driving

Repair Procedure (continued)

6. Insert the left-hand side outer rear-view mirror into the door panel and temporarily hold it in place with a clip.

Figure 4.



1	Left-hand Side Outer Rear-view Mirror
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2	Temporarily Hold the Mirror With a Clip
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7. Install the NEW reinforcement bracket to the door panel.
 - A. Insert the reinforcement bracket through the service hole.

Figure 5.



1	Reinforcement Bracket
2	Service Hole

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Repair Procedure (continued)

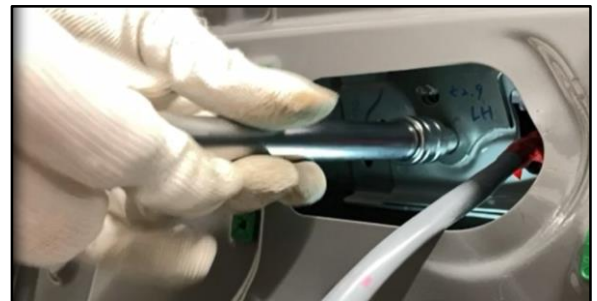
- B. Align the mirror-mounting stud bolts with the reinforcement bracket holes.

Figure 6.



- C. Tighten ALL three nuts.
Torque: 8.0 N*m
(81.6 kgf*cm, 70.8 in*lbf)

Figure 7.



8. Re-install the door panel.

Refer to TIS, applicable model and model year Repair Manual:

- 2022 – 2023 NX 250, NX 350, NX 350h:
Vehicle Exterior – Mirror (Ext) – [“Mirror \(Ext\): Outer Rear View Mirror: Installation”](#)
- 2022 – 2023 NX 450h+:
Vehicle Exterior – Mirror (Ext) – [“Mirror \(Ext\): Outer Rear View Mirror: Installation”](#)

9. Test-drive the vehicle to confirm mirror vibration has been reduced.