

Vibration or Rattle Noise From Right-hand Engine Mount

Service Category Engine/Hybrid System

Market USA and Mexico

Section Engine Mechanical

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2020 - 2024	Corolla	VDS(s): B4MCE, B4MDE, B4MEE, M4MCE, M4RCE, P4MCE, P4RCE, S4MCE, S4RCE, T4MCE, T4RCE Engine(s): M20

Introduction

Some 2020 – 2024 model year Corolla vehicles may exhibit a vibration or rattle noise from the right-hand engine mounting insulator sub-assembly. This condition will usually go away when the engine Revolutions Per Minute (RPM) are above idle. This condition is typically found on vehicles in warm climates/weather. No Diagnostic Trouble Codes (DTCs) are associated with this condition. Follow the Repair Procedure in this bulletin to improve this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG2305	R & R the RH Engine Mount	0.7	12305-#####*	9B	14

*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

- This repair is covered under the Toyota Powertrain Warranty. This warranty is in effect for 60 months or 60,000 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.

Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
12305-F2010	12305-24110	Insulator Sub-assy, Engine Mounting, RH	1

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Repair Procedure

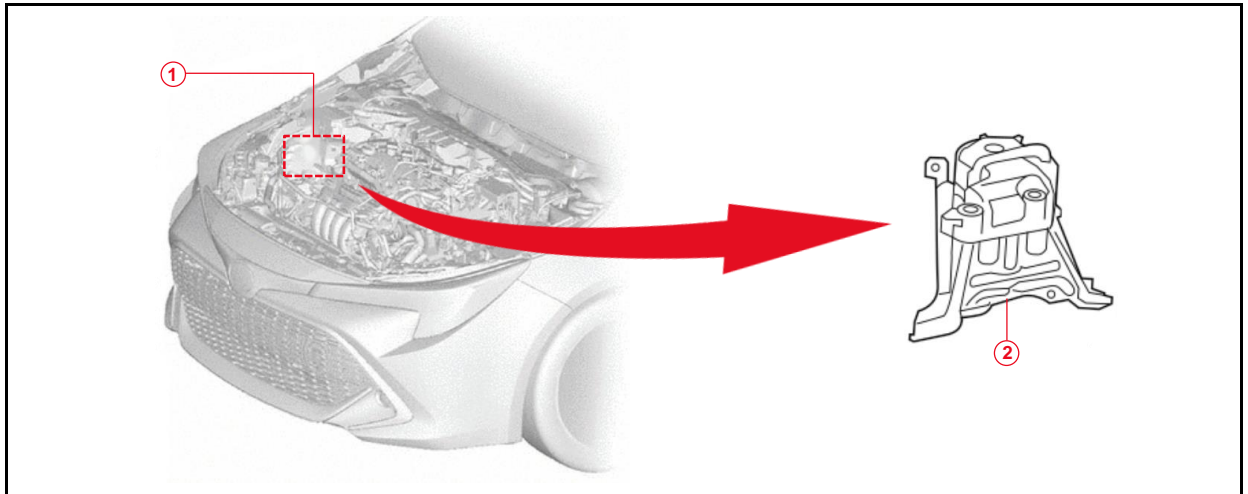
1. Confirm the condition exists.

Does the vehicle exhibit a vibration or rattle noise from the right-hand engine mounting insulator sub-assembly that usually goes away when the engine RPM are above idle?

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

2. Locate the right-hand engine mounting insulator sub-assembly.

Figure 1.



1	Location of the Right-hand Engine Mounting Insulator Sub-assembly
2	Right-Hand Engine Mounting Insulator Sub-assembly

3. Remove the right-hand engine mounting insulator sub-assembly.

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

- [2020 – 2021](#) / [2022](#) / [2023 – 2024](#) Corolla:
Engine/Hybrid System – Engine Mechanical – “M20A-FKS (Engine Control): Camshaft Timing Control Motor: Removal”

4. Install the NEW right-hand engine mounting insulator sub-assembly with the part number provided in the Parts Information table.

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

- [2020 – 2021](#) / [2022](#) / [2023 – 2024](#) Corolla:
Engine/Hybrid System – Engine Mechanical – “M20A-FKS (Engine Control): Camshaft Timing Control Motor: Installation”

5. Confirm the condition has improved.