

Vibration from Engine after Cold Soak

Service Category Engine/Hybrid System

Section Engine Mechanical

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010 – 2011	Prius	

Introduction

Some 2010 – 2011 model year Prius vehicles may experience an abnormal vibration or droning noise with the Internal Combustion Engine (ICE) ON after extended cold soak in extremely low temperature conditions until the engine bay begins to warm up. The right rear engine mount has been updated to address this condition.

Production Change Information

This TSB applies to:

- ALL 2010 – 2011 MY vehicles produced at Tsutsumi No. 1.
- 2010 – 2011 MY vehicles produced at Tsutsumi No. 2 and Toyota Auto Body **BEFORE** the Production Change Effective VINs shown below.

MODEL	ENGINE	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Prius	2ZR-FE	Tsutsumi No. 2	JTDKN3DU#B1457012
		Toyota Auto Body	JTDKN3DU#B5351083

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EG1108	R & R Right Rear Engine Mount	0.7	12371-37090	9B	18

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.

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Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
12371-37090	12371-37250	Insulator, Engine Mounting, RR	1

Repair Procedure

1. If customer complains of excessive vibration or abnormal humming through vehicle until engine warms up after an extensive cold soak (below 32°F [0°C]), replace the right rear engine mount with the updated part.
2. Remove the engine under cover.

Remove the 6 bolts and 14 retaining clips from the engine under cover and slide toward rear of vehicle to remove cover.

NOTE

There are three types of clips:

- 11 plastic to thin metal (Part No: 90467-07201)
- 2 plastic to thinner metal (Part No: 90467-09227)
- 1 plastic to plastic (Part No: 90467-07166)

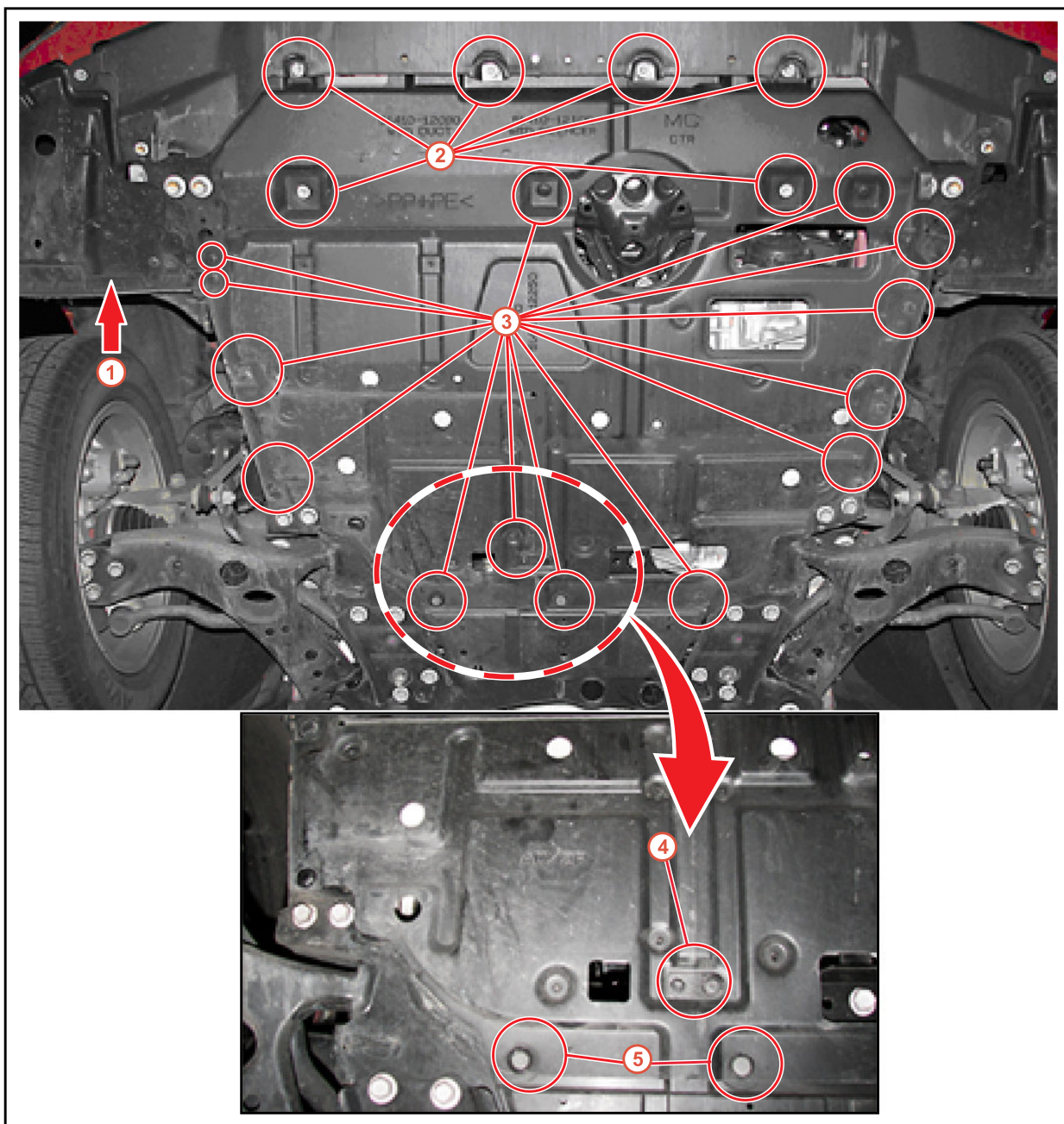
NOTICE

Clips are not interchangeable. See Figure 1 for specific clip locations.

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Repair Procedure (Continued)

Figure 1.



1	Front of Vehicle
2	Bolt
3	90467-07201: Thin Metal & Plastic Clips

4	90467-07166: Plastic & Plastic Clips
5	90467-09227: Thicker Metal & Plastic Clips

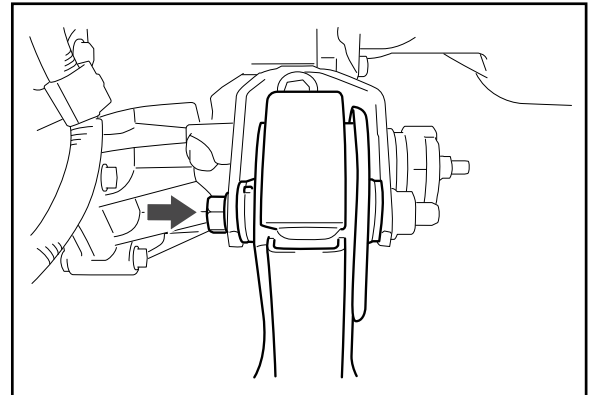
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Repair Procedure (Continued)

3. Properly support the engine assembly with a jack and remove the two bolts from the right rear engine mount.
4. Install the new rear engine mount and properly torque bolts.

Torque: 95 N*m (969 kgf*cm, 70 ft*lbf)

Figure 2.



5. Reposition the engine under cover into place and install the 14 retaining clips in their correct locations, then install the 6 bolts (See Figure 1).

NOTE

Gently pull down on the edges of the engine under cover to ensure the clips are installed in the correct locations.