

Subject: HESITATION / IDLE VIBRATION DUE TO CRACKED ENGINE MOUNT	Bulletin No: 01-021/06
	Last Issued: 6/13/2006

APPLICABLE MODEL(S)/VINS

2004-2005 RX-8 vehicles with VINs lower than JM1FE*****154999 (produced before May 6, 2005)

DESCRIPTION

Some vehicles may experience the following symptoms.

- On manual transmission vehicles, when decelerating in 3rd gear with engine speed less than 3,000 RPM at approximately 30 MPH (50km/h), then quickly depressing the accelerator pedal again, a hesitation may occur. This symptom can only be observed in this engine speed and vehicle speed range.
- On automatic transmission vehicles, when at a stop in D range, excessive engine/body vibration may occur. This body vibration does not occur in P or N range.

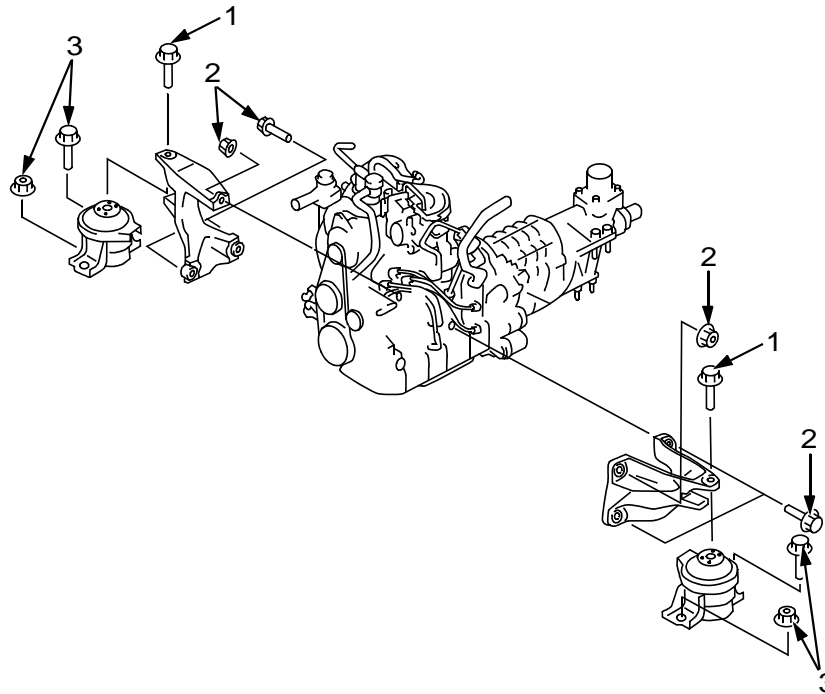
Depending on the driving condition or engine condition, the RH side engine mount rubber may deform. As a result, the RH side engine mount can crack. As a mass production change, the material of the engine mount rubber has been changed. To provide durability of the replaced RH engine mount, an engine bracket with insulator for RH side has been established together with modified engine mount for the LH side.

Customers having this concern should have their vehicle repaired using the following procedure. Replace the RH engine mount and modified RH engine bracket together with the LH engine mount.

REPAIR PROCEDURE

1. Verify customer concern.
2. Place vehicle on hoist.
3. Remove engine cover. See Workshop Manual section 01-10 ENGINE COVER REMOVAL/INSTALLATION procedure.
4. Raise and support vehicle on hoist.
5. Remove front wheels. - **Tightening Torque: 147 N.m (108 ft-lb)**
6. Support engine using an engine hoist.

7. On RH side of engine, remove bolts/nuts in the following order:
 - a. Engine mount bracket-to-engine mount (1). - **Tightening Torque: 37-52 N.m (28-38 ft-lb)**
 - b. Engine mount bracket-to-engine (2). - **Tightening Torque: 43-61 N.m (32-45 ft-lb)**
 - c. Engine mount-to-front sub frame (3). - **Tightening Torque: 45-63 N.m (33-46 ft-lb)**



8. On LH side of engine, remove bolts/nuts in the following order:
 - a. Engine mount bracket-to-engine mount (1). - **Tightening Torque: 37-52 N.m (28-38 ft-lb)**
 - b. Engine mount-to-front sub frame (3). - **Tightening Torque: 45-63 N.m (33-46 ft-lb)**
9. To install, reverse removal procedure.
10. Verify repair.

PART(S) INFORMATION

Part Number	Description	Qty.	Notes
FE05-39-040	Engine Mount Rubber - Manual Transmission	1	RH
FE05-39-050	Engine Mount Rubber - Manual Transmission	1	LH
FE01-39-040	Engine Mount Rubber - Automatic Transmission	1	RH
FE01-39-050	Engine Mount Rubber - Automatic Transmission	1	LH
F1Y5-39-020	Bracket, Engine Mount - Manual / Automatic Transmission	1	W / insulator

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair. Refer to the Warranty Wizard for warranty term information.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	83
Damage Code	9M
Part Number Main Cause	F1Y5-39-020
Quantity	1
Operation Number / Labor Hours:	XXB221RX / 1.0 Hrs (Replace all mounts and bracket)