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<b>Subject:</b> HESITATION / IDLE VIBRATION DUE TO CRACKED ENGINE MOUNT	<b>Bulletin No:</b> 01-016/10
	<b>Last Issued:</b> 06/16/2010

## BULLETIN NOTE

- This bulletin supersedes the previous bulletin 01-021/06 issued 6/13/06, 01-001/09 issued 01/20/09, and 01-016/10 issued 02/17/10. The APPLICABLE MODEL(S)/VINS, PART(S) INFORMATION, and WARRANTY INFORMATION have been revised.
- Changes are noted below beside the change bar in Red.

## APPLICABLE MODEL(S)/VINS

- 2004-2010 RX-8 (M/T) vehicles with VINs lower than JM1FE\*\*\*\*\*404840 (produced before April 13, 2010)
- 2004-2010 RX-8 (A/T) vehicle with VINs lower than JM1 FE\*\*\*\* \*\* 404240 (produced before December 2, 2009)

## 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.

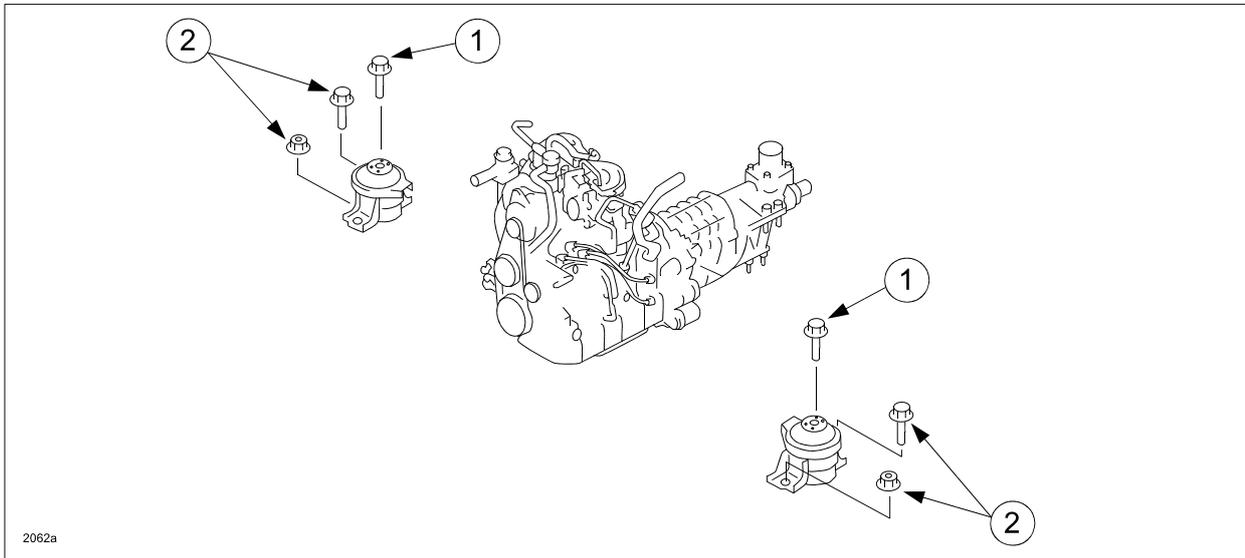
Depending on the driving condition or engine condition, the RH side engine mount rubber may deform. As a result, the RH side engine mount can crack. As a mass production change, the material of the engine mount rubber has been changed.

Customers having this concern should have their vehicle repaired using the following procedure.

## REPAIR PROCEDURE

1. Verify customer concern.
2. Place vehicle on hoist.
3. Remove engine cover. Refer to MS3 online service information or 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-to-front sub frame (2).  
 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 (2).  
 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
FE05-39-040A	Engine Mount Rubber - MT	1	RH
FE05-39-050A	Engine Mount Rubber - MT	1	LH
FE01-39-040A	Engine Mount Rubber - AT	1	RH
FE01-39-050A	Engine Mount Rubber - AT	1	LH

## WARRANTY INFORMATION

### NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- As for the left-side of engine mount rubber, claim it as a related part.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term **for a Powertrain Component**.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	83
Damage Code	9M
Part Number Main Cause	<b>FE05-39-040A or FE01-39-040A</b>
Quantity	1
Operation Number / Labor Hours:	XXD5BXRX / 0.8 Hrs.