

Service Information

Mazda Motor Corporation

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Category P	Repair Guidance	Ref. No. R086/13A	Page 1 of 2
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued October 23, 2013	
Please convey this information to your <input type="checkbox"/> Director <input checked="" type="checkbox"/> General Manager <input checked="" type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input checked="" type="checkbox"/> Training Dept. <input checked="" type="checkbox"/> Field Rep.		Date Revised November 11, 2013	
Applicable Model CX-5(KE)		Applicable Countries or Specifications Europe	

REVISED

Revision Note: Warranty Information has been changed.

Subject: Front Brake Judder

DESCRIPTION

Some customers may express a concern of vibration at the steering wheel, brake pedal and/or front floor panel when depressing the brake pedal at the vehicle speed of 60 km/h - 130km/h.

CAUSE

When the vehicle is driven without brake application for a long time (e.g. highway driving) the partial contact of the pad to the disc may cause a corrosive attack to the disc plate. And this condition increases the DTV (Disc Thickness Variation) causing brake judder.

MASS PRODUCTION CHANGE

TBD

BEGINNING VIN & DATE OF MODIFICATION

TBD

JMZ KE

REPAIR PROCEDURE

When you encounter a customer complaint on this concern, repair the vehicle as follows.

Note: Please records this repair in service record, and when replacing the brake pad as normal repair in future, please use this pad also to prevent the recurrence of front brake judder.

Please note this is not warrantable, and should be handled like normal maintenance.

(1) Measure the lateral runout of front disc plate according to the Workshop Manual.

If it is more than the limit, machine the disc plate using an on-the-car type lathe to adjust to within the limit. Refer to Service Information T017/09 for required performance specifications for on-the-car type brake rotor lathe.

- Front disc plate runout limit: 0.04mm (at the position 10 mm from the disc plate edge)

If the disc plate thickness is not within the minimum allowable after machining replace the disc plate with a new one

- Minimum front disc plate thickness after machining using a brake lathe on-vehicle: 26.8 mm

(2) Replace the front disc pads with modified ones according to the Workshop Manual.

Caution: DO NOT use an off-the-car type lathe because it causes the disc plate runout to increase.

PART INFORMATION

Part Number	Part Name	Q'ty	Remark
K0Y1-33-28Z	PAD SUB SET	1	Modified one
K011-33-251B	PLATE DISC	2	

WARRANTY INFORMATION

Assembly group	P – Braking System
Subassembly group	01 - FRONT BRAKE
Symptom Code	83
Damage Code	9B
Causal Part No.	7777-SP-J22
Q'ty	0
Operation No. / Labor Hours	Refer to the chart shown below
Period Covered	Normal Warranty Period

<Operation number & Labor hours>

Front disc Replacement	Front disc Machining	Pad Replacement	Operation Number	Labor Hours
X		X	XXJCAXRX	0.5 Hrs
	X	X	XXJCBXRX	1.1 Hrs
X*	X	X	XXJCBXRX	1.1 Hrs

* When front disc replacement becomes necessary if thickness is below minimum after machining.

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