

Subject:**ENGINE PINGING AND/OR LACK OF POWER UNDER ACCELERATION****Bulletin No:** 01-041/08**Last Issued:** 08/08/2008**APPLICABLE MODEL(S)/VINS**

2007 CX-7

DESCRIPTION

Some vehicles may experience severe pinging and/or a lack of power occurring intermittently when accelerating from 70 mph. Some vehicles may also experience engine knocking during acceleration. These symptoms are caused by pre-ignition when Motor Octane Number (MON) 91 fuel is used.

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

REPAIR PROCEDURE

1. Verify customer concern.
2. Replace Powertrain Control Module (PCM) and Variable Valve Timing Actuator (VVT) with modified parts according to Workshop Manual (section 01-40 PCM REMOVAL/INSTALLATION[L3 WITH TC] and (section 01-10 VARIABLE VALVE TIMING ACTUATOR REMOVAL/INSTALLATION[L3 WITH TC])).
3. Verify repair.

PART(S) INFORMATION

Specification	2WD / 4WD	Part Number	Description	Qty.
CAL.	2WD	LKYX-18-881	PCM	1
CAL.	4WD	LKYZ-18-881	PCM	1
CAN./FED.	2WD	LKZ1-18-881	PCM	1
CAN./FED.	4WD	LKZ2-18-881	PCM	1
All Spec.	2WD / 4WD	L3K9-12-4X0B	VVT Actuator	1

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WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- 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 - [Emission Warranty (96 months (8 years) / 80,000 miles]
Symptom Code	11
Damage Code	9W
Part Number Main Cause	****-18-881 (PCM) Claim VVT Actuator (L3K9-12-4X0B) as related part
Quantity	1
Operation Number / Labor Hours:	XXC3PXRX / 3.4 Hrs.