

Subject: LACK OF POWER OR HESITATION ON ACCELERATION UNDER 2,000 RPM	Bulletin No: 01-053/06
	Last Issued: 12/20/2006

BULLETIN NOTE

This bulletin supersedes the previous bulletin issued on 12/14/06. The APPLICABLE MODELS(S)/VINS has been revised.

APPLICABLE MODEL(S)/VINS

2007 CX-7 vehicles with VINs lower than JM3ER****7*155979 (produced before Dec. 15, 2006)

DESCRIPTION

Some vehicles may experience a lack of power or hesitation on initial start under 2,000 rpm (before turbo kicks in). The PCM software has been changed to provide smoother acceleration feel.

NOTE: With this revised calibration, some customers may feel there is a slight decrease in power due to the smoother feeling. The engine power output is unchanged.

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

REPAIR PROCEDURE

1. Reboot the IDS to clear memory before reprogramming.
2. Using IDS B46.6 or later software, reprogram the PCM to the latest calibration (refer to "Calibration Information" table) by following the "Module Reprogramming" procedure.

NOTE:

- Always update the IDS tool first, then follow on-screen instructions to download the needed calibration file for PCM reprogramming.
- It is not necessary to remove any fuses or relays during PCM reprogramming when the IDS screen prompts you to do so. You may accidentally stop power to one of the PCM terminals and cause the PCM to be blanked, or you may receive error messages during the IDS reprogramming procedure.
- IDS shows the calibration part numbers after programming the PCM.
- Please be aware that PCM calibration part numbers and file names listed in any Service Bulletin may change due to future releases of IDS software, and additional revisions made to those calibrations for service related concerns.
- When reprogramming a PCM, IDS will always display the "latest" calibration P/N available for that vehicle. If any calibration has been revised/updated to contain new information for a new service concern/issue, it will also contain all previously released calibrations.
- **When performing this procedure, we recommend that a battery charger be installed on the vehicle battery and turned ON to a maximum charge of no more than 20 AMPS to keep the vehicle battery up to capacity. If you exceed 20 AMPS, it could damage the VCM.**

3. After performing the PCM reprogramming procedure, verify the repair by starting the engine and making sure there are no MIL illumination or abnormal warning lights present.

NOTE:

- If any DTCs should remain after performing DTC erase, diagnose the DTCs according to the appropriate Troubleshooting section of the Workshop Manual.
- After PCM reprogramming, it is no longer necessary to road test the vehicle to “relearn” KAM (Keep Alive Memory).

4. Fill out an “Authorized Modifications” label (P/N 9999-95-AMDC-97) with the new PCM calibration information, your dealer code, and today’s date.

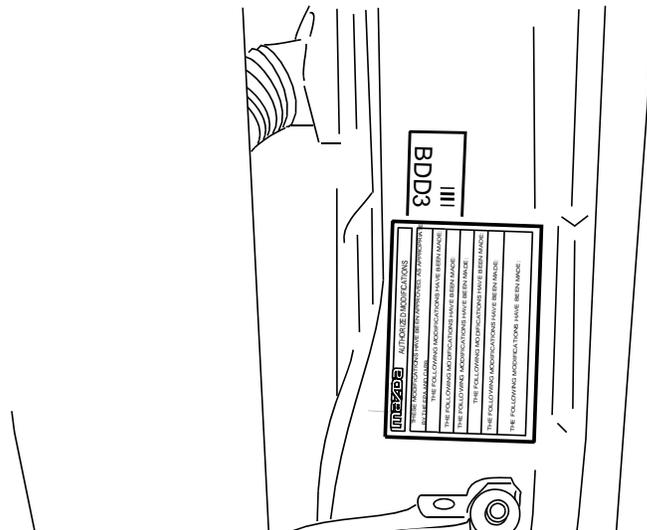
mazda AUTHORIZED MODIFICATIONS

THESE MODIFICATIONS HAVE BEEN APPROVED, AS APPROPRIATE, BY THE EPA AND CARB.

THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:

1326c

5. Place the “Authorized Modifications” label on the “A” pillar below the tear tag in the driver door jamb. The “Authorized Modification” label will inform technicians of the PCM calibration change if future repairs are necessary.



CALIBRATION INFORMATION

NOTE: Please be aware of the following before programming PCM with this calibration: With this revised calibration, some customers may feel there is a decrease in power due to smoother acceleration. Please explain to the customer there is no defect as the acceleration has been made more linear. Engine power output has not been changed.

Spec.	New PCM Calibration Part Number	File Name
Calif. - 2WD	L33L-18-881J	SW-L33LEP000
Calif. - 4WD	L33M-18-881J	SW-L33MEP000
Fed. - 2WD	L33N-18-881J	SW-L33NEP000
Fed. - 4WD	L33P-18-881J	SW-L33PEP000

NOTE: The PCM Calibration Part Numbers listed above are provided for PCM reprogramming purposes only. These are not necessarily the same Mazda part numbers used to order an actual PCM through the Mazda Parts System. It is not necessary to order a PCM as part of this repair procedure.

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	08
Damage Code	9E
Part Number Main Cause	5555-06-036A
Quantity	0
Operation Number / Labor Hours	XXB489FX / 0.3 Hrs.