



TECH-NOTE

Although this is a factory TSB, and certainly could be presented in our TSB section, I thought a little explanation to why this is pertinent with regard to catalytic converter replacement would be helpful.

Any time a known fuel injection control issue is present such as the one in the bulletin that follows, it is essential that it be corrected according to factory recommendations to avoid damage to the catalytic converter.

Before replacing this converter, be certain the proper PCM updates have been installed.

01-035/04

2002-2003 MPV - ENGINE PINGING DURING
ACCELERATION AND/OR LIGHT THROTTLE CRUISING

APPLICABLE MODEL(S)/VINS

2002 - 2003 MPV

DESCRIPTION

Some vehicles may experience engine pinging during acceleration and/or light throttle cruising.

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

REPAIR PROCEDURE

1. Verify customer concern.
2. Using WDS B32.2 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 WDS PTU first, then install the needed calibration file that WDS shows during PCM reprogramming. Go to "WDS Calibration" on ESI and download the "update" file. If the PTU is not updated to the latest WDS calibration level, the calibration file will not install into the PTU.
 - ^ It is not necessary to remove any fuses or relays during PCM reprogramming when the WDS 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 WDS reprogramming procedure.
 - ^ WDS 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 WDS software, and additional revisions made to those calibrations for service related concerns.
 - ^ When reprogramming a PCM, WDS 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, if the WDS PTU is not docked and connected to 115V- 120V, 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 will damage the WDS PTU.
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 :After PCM reprogramming, it is no longer necessary to road test the vehicle to "relearn" KAM (Keep Alive Memory).
 4. Place an "Authorized Modification" label (P/N 9999-95-AMDC-97) with the new calibration information near the Emission Control Information Label located on the hood or in the engine compartment.

New PCM Calibration Part Number	File Name	Note
AJYS-18-881-A	QHBA7B0	w/ Immobilizer System
AJYR-18-881-A	QHBA7A0	w/o Immobilizer System

CALIBRATION INFORMATION

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 Type	A
Symptom Code	82
Damage Code	9W

Part Number Main Cause	5555-04-021A
Quantity	0
Operation Number / Labor Hours:	XX739XRX / 0.7 Hrs.

WARRANTY INFORMATION

NOTE :

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