

Subject: MAZDA SPECIAL PROGRAM (MSP10) - CAN COMMUNICATION	Bulletin No: 01-024/05
	Last Issued: 10/12/2005

BULLETIN NOTE

This bulletin supersedes the previous bulletin issued on 09/21/05. The WARRANTY INFORMATION has been revised.

APPLICABLE MODEL(S)/VINS

2003 - 2004 Mazda6 3.0L vehicles built from May 16, 2002 through August 23, 2004

2003 - 2005 Mazda6, 2.3L - Non-PZEV (Non-Partial Zero Emission Vehicle) vehicles built from May 20, 2002 through July 2, 2005

VIN Range:

- 2.3L Engines
 - 1YV FP**C* 35 M00003 – M56997
 - 1YV HP**C* 35 M00030 – M54604
 - 1YV FP**C* 45 N00001 – N99310
 - 1YV HP**C* 45 N00004 – N99307
 - 1YV FP**C* 55 M00014 – M76942
 - 1YV HP**C* 55 M00024 – M77535
- 3.0L Engines
 - 1YV FP**D* 35 M00227 – M57077
 - 1YV HP**D* 35 M00005 – M55980
 - 1YV FP**D* 45 N04304 – N99312
 - 1YV HP**D* 45 N00002 – N99286

DESCRIPTION

The MIL (Malfunction Indicator Light) may illuminate during OBD II check at I/M (Inspection/Maintenance) station. This will cause the vehicle to fail the I/M test, although the vehicle itself has no problem.

NOTE:

- UNDER THE MAZDA SPECIAL PROGRAM (MSP10), ALL CURRENT DEALER INVENTORY AND RETAILED VEHICLES FOUND TO BE WITHIN THE ABOVE VIN AND PRODUCTION RANGES, MUST BE INSPECTED AND REPAIRED ACCORDING TO THE INSTRUCTIONS CONTAINED IN THIS SERVICE BULLETIN.
- BEFORE PERFORMING ANY REPAIR, VALIDATE THAT THE VEHICLE IS APPLICABLE TO THIS PROGRAM BY PERFORMING AN “eMDCS WARRANTY VEHICLE INQUIRY” AND VERIFYING THE VEHICLE DISPLAYS CAMPAIGN “MSP10”. SEE “VEHICLE INSPECTION PROCEDURE” BELOW.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by “do-it-yourselfers.” Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

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DEALER INVENTORY:

Inspect and repair all current dealer inventory according to the procedures contained in this service bulletin.

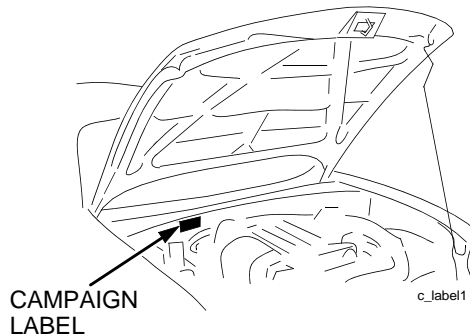
RETAIL VEHICLES:

When a retail vehicle is brought into the dealer for any type of repair or scheduled maintenance, inspect and repair the vehicle according to the procedures contained in this service bulletin.

VEHICLE INSPECTION PROCEDURE

1. Verify the vehicle is within one of the following VIN and production ranges:
2003 - 2004 Mazda6 3.0L vehicles built from May 16, 2002 through August 23, 2004
2003 - 2005 Mazda6, 2.3L - Non-PZEV (Non-Partial Zero Emission Vehicle) vehicles built from May 20, 2002 through July 2, 2005
VIN Range:
 - 2.3L Engines
 - 1YV FP**C* 35 M00003 – M56997
 - 1YV HP**C* 35 M00030 – M54604
 - 1YV FP**C* 45 N00001 – N99310
 - 1YV HP**C* 45 N00004 – N99307
 - 1YV FP**C* 55 M00014 – M76942
 - 1YV HP**C* 55 M00024 – M77535
 - 3.0L Engines
 - 1YV FP**D* 35 M00227 – M57077
 - 1YV HP**D* 35 M00005 – M55980
 - 1YV FP**D* 45 N04304 – N99312
 - 1YV HP**D* 45 N00002 – N99286
 - If the vehicle is within one of the above VIN and production ranges, proceed to Step 2.
 - If the vehicle is not within one of the above VIN and production ranges, return the vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect the vehicle for a Campaign Label **MSP10** attached to the vehicle's bulkhead. Refer to eMDCS System - Warranty Vehicle Inquiry Results table below.

NOTE: Verify the campaign number as the vehicle may have multiple labels.



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eMDCS System - Warranty Vehicle Inquiry Results

If eMDCS displays:	Campaign Label is:	Action Required:
"Campaign: MSP10 Open"	Present	Contact the Mazda Corporate Dealer Assistance Group at (877) 727-6626 to update vehicle history
	Not present	Proceed to "REPAIR PROCEDURE"
"Campaign: MSP10 Closed"	Present	Return vehicle to inventory or customer
	Not present	Complete a label and apply it to vehicle's bulkhead
"Campaign: MSP10 Open" or "Closed" is not displayed	Does not apply	Campaign does not apply to this vehicle. Return the vehicle to inventory or customer

REPAIR PROCEDURE

PCM / TCM CALIBRATION LEVEL INSPECTION PROCEDURE

Using WDS version B39.3 or later software, proceed to "Module Reprogramming" and check the PCM and TCM calibration levels.

- If WDS indicates the PCM and TCM are already at the latest calibration level (refer to "Calibration Information" table), proceed to Step 5 under "PCM/TCM PROGRAMMING" and complete an "Authorized Modifications" label. This label will inform technicians of the PCM/TCM calibration change if future repairs are necessary.
- If WDS indicates that a later calibration is available in either PCM or TCM, proceed to "PCM/TCM PROGRAMMING" below.

PCM / TCM REPROGRAMMING

1. Reboot the WDS PTU to clear memory before reprogramming.
2. Using WDS B39.3 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**

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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. Also the external battery power supply cable should be connected to the vehicle battery and the 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.

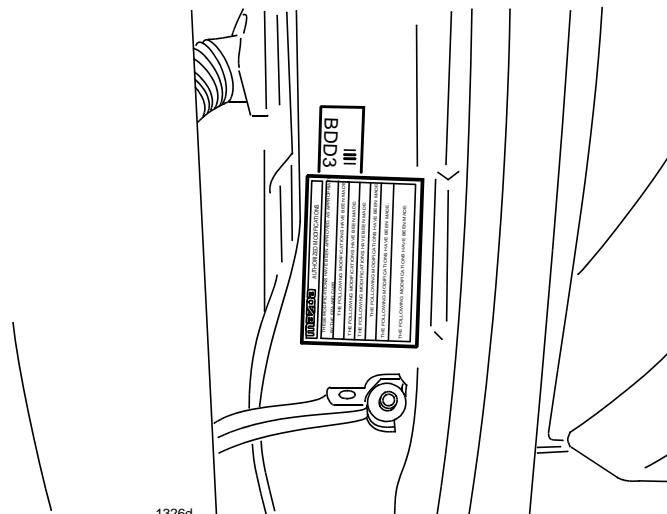
NOTE:

- 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. Perform the TCM reprogramming procedure and reprogram the TCM to the latest available calibration (refer to the “Calibration Information” table). Verify the repair by starting the engine and making sure there are no MIL illumination or abnormal warning lights present.
 5. Fill out an “Authorized Modifications” label (P/N 9999-95-AMDC-97) with the new PCM/TCM calibration information, your dealer code, and today’s date (example below).

mazda AUTHORIZED MODIFICATIONS
THESE MODIFICATIONS HAVE BEEN APPROVED, AS APPROPRIATE, BY THE EPA AND CARB.
THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:
AJ58-T-PCM
AJ58-H-TCM
DRL# 49444 DATE: 9-20-05

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6. Place the “Authorized Modifications” label on the “A” pillar below the tear tag in the driver door jamb.



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7. Fill out a blue "Campaign Label" (9999-95-065A-05) with Campaign No: "MSP10", your dealer code, today's date (example below), and affix it to the vehicle's bulkhead.

CAMPAIGN LABEL

CAMPAIGN NO: MSP10

DEALER CODE: 49444

DATE: 09/20/05

P/N 9999-95-065A-05

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8. Return the vehicle to the customer.

CALIBRATION INFORMATION

2.3L PCM

Model Year	Trans.	Spec.	New PCM Calibration Part Number	File Name
2003	M/T	All	L334-18-881S	SW-L334ES070
2003	A/T	All	L335-18-881S	SW-L335ES070
2004	M/T	Calif.	L392-18-881E	SW-L392EE030
2004	A/T	Calif.	L393-18-881E	SW-L393EE030
2004	M/T	Fed.	L3M1-18-881C	SW-L3M1EC020
2004	A/T	Fed.	L3M2-18-881C	SW-L3M2EC020
2005	M/T	Calif.	L3M9-18-881F	SW-L3M9EF020
2005	M/T	Fed.	L3F9-18-881F	SW-L3F9EF020
2005	A/T	Fed.	L3G1-18-881F	SW-L3G1EF020

2.3L TCM

Model Year	Trans.	Spec.	New TCM Calibration Part Number	File Name
2003 & 2004	A/T	All	L322 K	SW-L322TK000
2003 & 2004	A/T	All	L3YW	SW-L3YWT0000
2005	A/T	All	L3F2 E	SW-L3F2TE000
2005	A/T	All	L3ZD	SW-L3ZDT0000

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3.0L PCM

Model Year / Model	Trans.	Spec.	New PCM Calibration Part Number	File Name
2003-04 4-Dr. SDN	M/T	All	AJ57-18-881T	SW-AJ57ET0B0
2003-04 4-Dr. SDN	A/T	All	AJ58-18-881T	SW-AJ58ET0B0
2004 5-Dr. / WGN	M/T	Calif.	AJ57-18-881T	SW-AJ57ET0B0
2004 5-Dr. / WGN	A/T	Calif.	AJ58-18-881T	SW-AJ58ET0B0
2004 5-Dr. / WGN	M/T	Fed.	AJ82-18-881E	SW-AJ82EE040
2004 5-Dr. / WGN	A/T	Fed.	AJ83-18-881E	SW-AJ83EE040

3.0L TCM

Model Year	Trans.	Spec.	New TCM Calibration Part Number	File Name
2003 & 2004	A/T	All	AJ58 H	SW-AJ58TH000

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

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to eligible vehicles. Warranty term for this repair is 48 months / 50,000 miles without a DCSM Authorization.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	99
Damage Code	99
Process Number	A0524A
Part Number Main Cause	5555-05-022A
Quantity	0
Operation Number / Labor Hours	XXB095R1 / 0.3 Hrs. (PCM reprogramming - M/T or A/T) XXB095R2 / 0.2 Hrs. (TCM reprogramming - A/T)