Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

MAZDA

Subject:	Bulletin No.: 01-008/19
ENGINE OIL FLEXIBLE MAINTENANCE NOTIFICATION DOES NOT WORK	**Last Issued:** 04/23/2019

BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted below in Red.

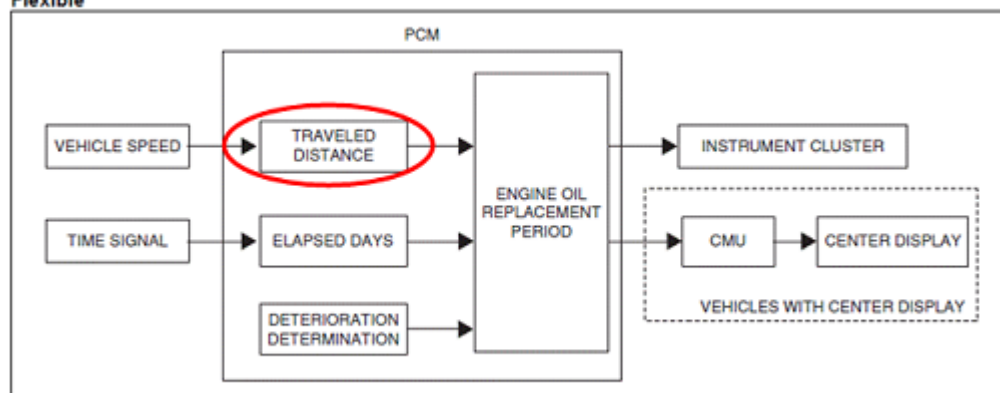| Previously Issued TSBs:	Date(s) Issued
01-008/19	02/08/19
01-014/18	07/02/18
01-019/15	08/06/15

APPLICABLE MODEL(S)/VINS

- 2017 Mazda3 vehicles (Japan built) with VINs lower than JM1BN******154135 (produced before Mar. 24, 2017)
- 2014-2016 Mazda3 vehicles (Mexico built) with VINS Starting with 3MZ
- 2017 Mazda3 vehicles (Mexico built) with VINs lower than 3MZBN******152282 (produced before Apr. 27, 2017)
- 2014-2016 Mazda6 vehicles
- 2017 Mazda6 vehicles with VINs lower than JM1GL******140276 (produced before May 29, 2017)
- 2016 CX-3 vehicles with VINs lower than JM1DJ******140644 (produced before Apr. 26, 2016)
- 2016 CX-5 vehicles
- 2016 MX-5 vehicles with VINs lower than JM1ND******117234 (produced before Apr. 28, 2016)

DESCRIPTION

Some customer using "Flexible" setting for Oil Change in the maintenance monitor may notice that the oil change due notification will not work due to improper control logic of the PCM. The PCM clears the TRAVELED DISTANCE at the wrong time while the ELAPSED DAYS and the DETERIORATION DETERMINATION work as designed. To correct this issue, the control logic of the PCM has been changed.

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This TSB is applicable for the following cases.

- The oil change due notification does not come on, even after mileage exceeded 10,000 miles.
- Oil life in the center display is still less than 40% even though the mileage exceeded 7,000 miles.

To display "Flexible" setting and "Oil life" on the center screen, select the "Applications" screen, "Maintenance", then "Oil Change" tab. For complete details, refer to the the instructions on MGSS (MAINTENANCE MONITOR OPERATION PROCEDURE).

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

REPAIR PROCEDURE

1. Verify the customer concern.
2. Reboot the IDS to clear memory before reprograming.
3. Using IDS 113.02 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.
- Verify the current PCM file name in the vehicle by log view screen. If it's the same as shown in the chart below (or a later one), you do not need to reprogram the PCM.
- Refer to "Service Caution for reprogramming" on MGSS IDS Page.
- 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.

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- 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.
- Start/Stop button vehicles: DO NOT press the start/stop button during the reprogramming process.
- When performing this procedure, we recommend using the "Power Supply" mode in the Battery Management System to keep the vehicle battery up to capacity. If a different charger is used, make sure it does not exceed 20 AMPS. If it exceeds 20 AMPS, it could damage the VCM.
- After the reprogramming, verify the file name matches with the below chart.

4. After performing the PCM reprogramming procedure, clear DTCs.
5. After clearing DTCs, start the engine and confirm that no warning lights stay on.

NOTE: If any DTCs should remain after performing DTC erase, diagnose the DTCs using MGSS online instructions and submit a warranty claim according to the normal warranty procedure.

6. Record customer presets in the infotainment system.
7. Disconnect the negative battery cable and wait for 30 seconds or more to reset the fuel control learning data.
8. Re-connect the negative battery cable.
9. Re-enter customer presets in infotainment system.
10. Perform the necessary oil maintenance, including oil and filter change, then perform the Engine Oil Data Reset Procedure.
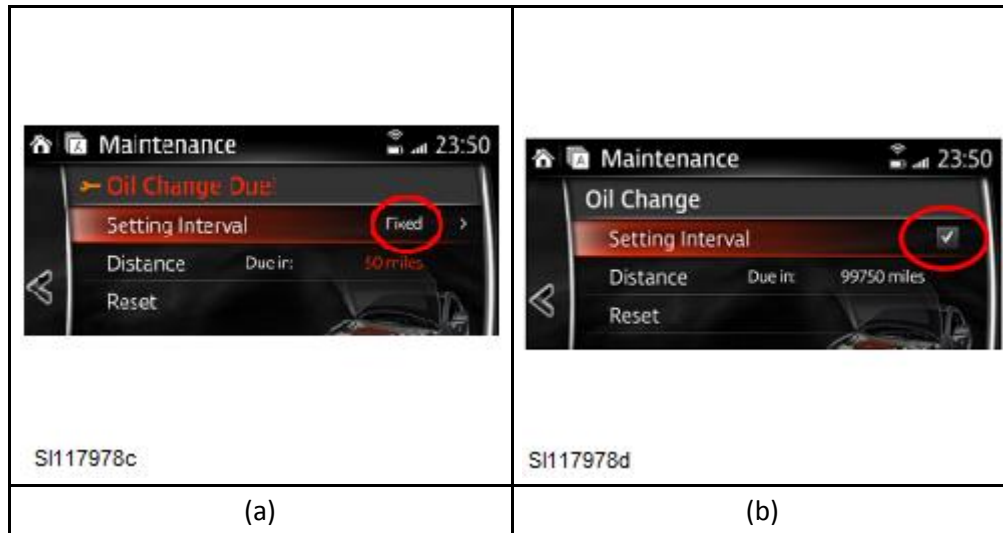
Engine Oil Data Reset Procedure
NOTE: The trip meter and the average fuel economy are reset when the following procedure is performed.

1. Switch the ignition ON (engine off) and change the meter display to odometer.
2. Switch the ignition OFF (LOCK).
3. Press and hold the panel light control / trip meter switch with the ignition OFF, then switch the ignition ON (engine off). Continue to press the panel light control/trip meter switch for more than 7 seconds.
4. The master warning light will flash for a few seconds when the PCM engine oil data has been reset.
5. If the "Fixed" setting is selected, reset the CMU engine oil data on the center display also.

NOTE: To check "Fixed" setting on the center display, select Applications from the Home screen, then go to Maintenance, then go to the "Oil Change" tab and one of the following two screens will appear.

- On the right of "Setting Interval", if "Fixed" is shown (a) or Setting Interval is checked (b), "Fixed" is selected. Use the "Reset" button under "Setting Interval" to reset.
- When "Flexible" is selected, "Flexible" is shown on the right of "Setting Interval" or the box is not checked. In this case, the "Reset" button works the same as the panel light control/trip meter switch as described above.

| (a) | (b) |

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CALIBRATION INFORMATION

2014-2015 Mazda3 (Mexico built) for VINs starting with 3MZ

Emission	Transmission	File Name	Note
Calif (PZEV)	M/T	PELG-188K2-E	Mitsubishi
		PELH-188K2-E	Denso
	A/T	PELE-188K2-E	Mitsubishi
		PELF-188K2-E	Denso
Calif (UZEV)	M/T	PEDG-188K2-F	Mitsubishi
		PEDL-188K2-F	Denso
	A/T	PEDH-188K2-E	Mitsubishi
		PEDM-188K2-E	Denso
Fed	M/T	PEDJ-188K2-F	Mitsubishi
		PEDN-188K2-F	Denso
	A/T	PEDK-188K2-E	Mitsubishi
		PEDP-188K2-E	Denso

2016 Mazda3 (Mexico built) for VINs starting with 3MZ

Emission	Transmission	File Name	Note
Calif (PZEV)	M/T	PS4S-188K2-B	Mitsubishi
		PS5D-188K2-B	Denso
	A/T	PS4T-188K2-B	Mitsubishi
		PS5E-188K2-B	Denso
Fed	M/T	PS4V-188K2-B	Mitsubishi
		PS5F-188K2-B	Denso
	A/T	PS4W-188K2-B	Mitsubishi
		PS5G-188K2-B	Denso

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2017 Mazda3 (Mexico built) for VINs starting with 3MZ

Engine	Emission	Transmission	File Name	Note
2.0L	Fed	M/T	PSAD-188K2-C	Mitsubishi
			PSAN-188K2-C	Denso
		A/T	PSAE-188K2-C	Mitsubishi
			PSAP-188K2-C	Denso
2.5L	Fed (ULEV)	M/T	PYKD-188K2-C	Mitsubishi
			PYKG-188K2-C	Denso

2017 Mazda3 (Japan built) for VINs starting with JM1

Engine	Emission	Transmission	File Name	Note
2.0L	Fed (PZEV)	M/T	PS7N-188K2-B	Mitsubishi
			PS7R-188K2-B	Denso
		A/T	PS7P-188K2-C	Mitsubishi
			PS7S-188K2-C	Denso
2.5L	Fed (PZEV)	A/T	PYKB-188K2-C	Mitsubishi
			PYKE-188K2-C	Denso
		A/T	PYKC-188K2-C	w/i-ELOOP, Mitsubishi
			PYKF-188K2-C	w/i-ELOOP, Denso
	Fed (ULEV)	M/T	PYKD-188K2-C	Mitsubishi
			PYKG-188K2-C	Denso

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2014-2015 Mazda6

Emission	Transmission	File Name	Note
Calif (PZEV)	M/T	PYXS-188K2-C	Mitsubishi
		PZY2-188K2-C	Denso
	A/T	PYXT-188K2-C	Mitsubishi
		PZY3-188K2-C	Denso
	A/T	PYXW-188K2-B	w/i-ELOOP, Mitsubishi
		PZY4-188K2-B	w/i-ELOOP, Denso
Calif (ULEV)	M/T	PY8A-188K2-G	Mitsubishi
		PY8C-188K2-G	Denso
	A/T	PY8B-188K2-G	Mitsubishi
		PY8D-188K2-G	Denso
	A/T	PY1G-188K2-K	w/i-ELOOP, Mitsubishi
		PY1T-188K2-K	w/i-ELOOP, Denso
Fed	M/T	PYXX-188K2-C	Mitsubishi
		PZY5-188K2-C	Denso
	A/T	PYXZ-188K2-C	Mitsubishi
		PZY6-188K2-C	Denso
	A/T	PZY1-188K2-B	w/i-ELOOP, Mitsubishi
		PZY7-188K2-B	w/i-ELOOP, Denso

2016 Mazda6

Emission	Transmission	File Name	Note
Calif (PZEV)	M/T	PY9S-188K2-D	Mitsubishi
		PY9T-188K2-D	Denso
	A/T	PY9V-188K2-D	Mitsubishi
		PY9W-188K2-D	Denso
	A/T	PY9X-188K2-D	w/i-ELOOP, Mitsubishi
		PYAA-188K2-D	w/i-ELOOP, Denso
Fed	M/T	PYAB-188K2-D	Mitsubishi
		PYAC-188K2-D	Denso
	A/T	PYAD-188K2-D	Mitsubishi
		PYAE-188K2-D	Denso
	A/T	PYAF-188K2-D	w/i-ELOOP, Mitsubishi
		PYAG-188K2-D	w/i-ELOOP, Denso

2017 Mazda6

Transmission	File Name	Note
M/T	PYJK-188K2-C	Mitsubishi
	PYJL-188K2-C	Denso
A/T	PYJM-188K2-C	Mitsubishi
	PYJN-188K2-C	Denso
A/T	PYJP-188K2-C	w/i-ELOOP, Mitsubishi
	PYJR-188K2-C	w/i-ELOOP, Denso

2016 CX-5

Engine	Emission	Transmission	Drive	File Name	Note
2.0L	Calif	M/T	2WD	PS32-188K2-D	Mitsubishi
				PS39-188K2-D	Denso
		A/T	2WD	PS33-188K2-D	Mitsubishi
				PS40-188K2-D	Denso
			4WD	PS34-188K2-D	Mitsubishi
				PS41-188K2-D	Denso
	Fed	M/T	2WD	PS35-188K2-D	Mitsubishi
				PS42-188K2-D	Denso
		A/T	2WD	PS36-188K2-D	Mitsubishi
				PS43-188K2-D	Denso
			4WD	PS37-188K2-D	Mitsubishi
				PS44-188K2-D	Denso
2.5L	Calif	A/T	2WD	PYAJ-188K2-E	Mitsubishi
				PYAR-188K2-E	Denso
			4WD	PYAK-188K2-D	Mitsubishi
				PYAS-188K2-D	Denso
	Fed	A/T	2WD	PYAL-188K2-D	Mitsubishi
				PYAT-188K2-D	Denso
			4WD	PYAM-188K2-E	Mitsubishi
				PYAV-188K2-E	Denso

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2016 CX-3

Drive	File Name	Note
2WD	PS12-188K2-F	Mitsubishi
	PS22-188K2-F	Denso
4WD	PS13-188K2-F	Mitsubishi
	PS23-188K2-F	Denso

2016 MX-5

Emission	Transmission	File Name
Calif	M/T	PSM6-188K2-D PEY1-188K2-
	A/T	PSM7-188K2-D PEY2-188K2-
Fed	M/T	PSM8-188K2-D PEY3-188K2-
	A/T	PSM9-188K2-D PEY4-188K2-

NOTE: It is not necessary to order a PCM part for this repair procedure.

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 Federal Emission Warranty (long term) or Calif. PZEV Emission Warranty.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	61
Damage Code	9W
Part Number Main Cause	5555-RP-PCM
Quantity	0
Operation Number / Labor Hours	XXP62XFX / 0.3 Hrs.