Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

Subject:	**Bulletin No.:** 09-013/19
MAZDA SERVICE PROGRAM (MSP53) PANIC ALARM SYSTEM ACTIVATES WHILE DRIVING	**Last Issued:** 03/14/2019

APPLICABLE MODEL(S)/VINS
2019 CX-3 vehicles with VINS lower than JM1DK******424447 (produced before October 13, 2018)
2018-2019 MX-5 vehicles with VIN S lower than JM1ND******302906 (produced before October 16, 2018)

DESCRIPTION

On certain subject vehicles, it is possible that the panic alarm system may activate while driving, and the horn may sound intermittently and hazard warning lights may flash. The panic alarm concern will stop after cycling the ignition switch off, then on again. No DTCs are stored.

Some TPMS wheel sensor IDs on the concerned vehicle or other vehicles nearby may cause the error in the body control module (BCM). Air pressure data transmitted from the wheel sensors may be recognized by the BCM as if the panic button on the remote transmitter has been pressed.
NOTE:

- UNDER THE MAZDA SERVICE PROGRAM (MSP53), ALL CURRENT DEALER INVENTORY AND RETAILED VEHICLES FOUND TO BE WITHIN THE ABOVE VIN AND PRODUCTION DATES RANGES MUST BE REPAIRED ACCORDING TO THE INSTRUCTIONS CONTAINED IN THIS SERVICE BULLETIN.
- BEFORE PERFORMING ANY REPAIR, VALIDATE THE VEHICLE IS APPLICABLE TO THIS PROGRAM BY PERFORMING AN "eMDCS WARRANTY VEHICLE INQUIRY" AND VERIFYING THE VEHICLE DISPLAYS CAMPAIGN "MSP53" AND ITS CAMPAIGN STATUS DISPLAYS "OPEN". SEE "VEHICLE INSPECTION PROCEDURE" BELOW.

DEALER INVENTORY:

Repair all applicable vehicles currently in dealer inventory according to the procedures contained in this service bulletin.

RETAIL VEHICLES:

When an applicable retailed vehicle is brought into the dealer for any type of repair or scheduled maintenance, review the "Warranty Vehicle Inquiry" page in eMDCS to check the status of MSP53. If the status is "OPEN" for MSP53, repair the vehicle according to the procedures contained in this service bulletin.

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VEHICLE INSPECTION PROCEDURE

1. Verify the vehicle is within one of the following VIN ranges:

2019 CX-3 vehicles equipped with direct TPMS and built from February 27, 2018 through October 12, 2018

- 2019 VIN Range: JM1 DK**** K* 400011 – 424446

2018-2019 MX-5 vehicles equipped with direct TPMS and built from October 3, 2017 through October 15, 2018

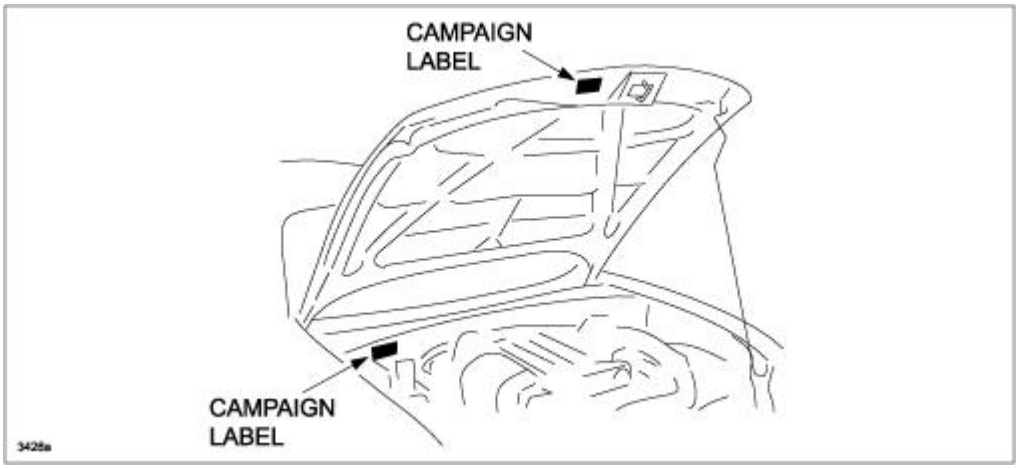
- 2018 VIN Range: JM1 ND**** J0 200004 – 206216
- 2019 VIN Range: JM1 ND**** K0 300011 – 302906

- If the vehicle is within the above VIN and production date ranges, proceed to Step 2.

- If the vehicle is not within the above VIN and production date 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 MSP53 attached either to the vehicle's bulkhead or to the vehicle's hood.
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: MSP53 Open"	Present	Contact the Warranty Hotline at (877) 727-6626, option 3 to update vehicle history
"Campaign: MSP53 Open"	Not Present	Proceed to "REPAIR PROCEDURE"
"Campaign: MSP53 Closed"	Present	Return vehicle to inventory or customer
"Campaign: MSP53 Closed"	Not present	Complete a label and apply it to vehicle's bulkhead or hood
"Campaign: MSP53 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

1. Reboot the IDS to clear memory before reprogramming.

2. Using IDS 112.06 or later software, reprogram the BCM to the latest calibration 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 BCM reprogramming.
- It is not necessary to remove any fuses or relays during BCM reprogramming when the IDS screen prompts you to do so. You may accidentally stop power to one of the BCM terminals and cause the BCM to be blanked, or you may receive error messages during the IDS reprogramming procedure.
- IDS shows the calibration part numbers after programming the BCM.
- Please be aware that BCM calibration part numbers may change due to future releases of IDS software, and additional revisions made to those calibrations for service related concerns.
- When reprogramming a BCM, 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 only: 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.

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3. After performing the BCM reprogramming procedure, clear DTCs.

4. 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.
- Disconnect the negative battery cable and wait for 30 seconds or more to reset the fuel control learning data.

NOTE: It is not necessary to order a replacement BCM for this repair procedure.

5. Verify repair.

CAMPAIGN LABEL1. Fill out a blue "Campaign Label" (9999-95-065A-06) with the Campaign No: "MSP53", your dealer code, today's date, and affix it to the vehicle's hood.

2. Return the vehicle to the customer or dealer inventory.

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WARRANTY INFORMATION

NOTE:

- This repair will be covered under the Mazda New Vehicle Limited Warranty.
- Warranty Department pre-authorization is required if the vehicle is outside the Mazda New Vehicle Limited Warranty.

	BCM Reprogramming
Process Number	AK018A
Symptom Code	99
Damage Code	99
Part Number Main Cause	7777-SP-R20
Quantity	0
Operation Number / Labor Hours:	XXR3XXFX / 0.3 Hrs.

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