

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: "ULTRASONIC SENSOR MALFUNCTION" WARNING MESSAGE AND DTC STORED AFTER REPLACING ULTRASONIC SENSOR	Bulletin No.: 09-026/23
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BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2022 MX-30 with VINS lower than JM1DR**B***100078 (produced before July 21, 2021)

DESCRIPTION

Some vehicles may exhibit the warning message "Ultrasonic Sensor Malfunction" in the instrument cluster and the following DTC(s) stored after replacing the front and/or rear ultrasonic sensor(s) during body or paint repair.

DTC	System malfunction location
B1B36:04	Front corner ultrasonic sensor (RH) signal circuit malfunction
B1B36:49	Front corner ultrasonic sensor (RH) power supply circuit malfunction
B1B38:04	Front ultrasonic sensor (RH) signal circuit malfunction
B1B38:49	Front ultrasonic sensor (RH) power supply circuit malfunction
B1B40:04	Front corner ultrasonic sensor (LH) signal circuit malfunction
B1B40:49	Front corner ultrasonic sensor (LH) power supply circuit malfunction
B1B42:04	Front ultrasonic sensor (LH) signal circuit malfunction
B1B42:49	Front ultrasonic sensor (LH) power supply circuit malfunction
B1B44:04	Rear corner ultrasonic sensor (RH) signal circuit malfunction
B1B44:49	Rear corner ultrasonic sensor (RH) power supply circuit malfunction
B1B46:04	Rear ultrasonic sensor (RH) signal circuit malfunction
B1B46:49	Rear ultrasonic sensor (RH) power supply circuit malfunction
B1B48:04	Rear corner ultrasonic sensor (LH) signal circuit malfunction
B1B48:49	Rear corner ultrasonic sensor (LH) power supply circuit malfunction

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	Function
B1B50:04	Rear ultrasonic sensor (LH) signal circuit malfunction
B1B50:49	Rear ultrasonic sensor (LH) power supply circuit malfunction
B1B57:49	Malfunction in power supply to front ultrasonic sensor
B1B58:49	Malfunction in power supply to rear ultrasonic sensor
B1B5A:04	Rear side ultrasonic sensor (RH) signal circuit malfunction
B1B5A:49	Rear side ultrasonic sensor (RH) power supply circuit malfunction
B1B5C:04	Rear side ultrasonic sensor (LH) signal circuit malfunction
B1B5C:49	Rear side ultrasonic sensor (LH) power supply circuit malfunction

Due to configuration of the parking assist unit, the new ultrasonic sensor may not be recognized. To eliminate this concern, the parking assist unit has been modified.

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

REPAIR PROCEDURE

1. Verify the customer concern and if the vehicle had recent body or paint repair.
2. Replace the parking assist unit with a modified one according to the instructions on MGSS (PARKING ASSIST UNIT (ULTRASONIC) REMOVAL/INSTALLATION).
3. Verify the repair.

PARTS INFORMATION

Parts Number	Description	Qty.	Notes
DN4J-67-UU0A	UNIT, PARK ASSIST	1	With Front Sonar and Side Sonar
DN4K-67-UU0A	UNIT, PARK ASSIST	1	With Front Sonar and without Side Sonar or Without Front Sonar
E120-68-AB1	CLIP	1	[R] For trunk side upper trim

[R]: Replacement parts

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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 New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	92
Damage Code	9W
Part Number Main Cause	****-67-UU0*
Quantity	1
Operation Number / Labor Hours:	XXWDPXRX / 0.4 Hrs.

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