

**OUTSIDE TEMPERATURE IS DISPLAYED LOWER THAN ACTUAL TEMPERATURE,
RESULT IN CABIN AC DOES NOT WORK SUFFICIENTLY AS IT SHOULD.**

Applies to the Following Mazda's with FULL AUTO AC (Air Conditioning) ONLY.

2014-2023 Mazda3

2016-2022 Mazda2 (PR/Mexico spec)

2016-2021 CX-3

2016-2022 CX-9

2016-2022 MX-5

2017-2021 Mazda6

2017-2023 CX-5

2022-2023 CX-30

2022 MX-30

2023 CX-50

The issue...

Some Mazda owners may complain that the outside temperature reading on the instrument cluster is displayed more than 50 °F (or 10 °C) lower than the actual temperature, resulting in insufficient performance of the cars air conditioning inside cars cabin.

This is caused by inappropriate soldering in the ambient temperature sensor.

To eliminate this concern, the soldering process has been enhanced since December 2021 by the supplier.

Defective Mazda Part Number G518-61-764A, Sensor Ambient Temp, See Sensor Production Number Details.

In most model cases this Sensor is located behind the Front Bumper* and requires the removal of Front Bumper to access the Sensor to renew this part. *Except ND MX-5.

At the moment this Bulletin ONLY applies to Mazda's in North America, however we believe this issue is worldwide and should in time be alerted to other Mazda Distribution Countries as this Sensor Part Number/Part is used in same Mazda Models with Full Auto AC.


The North American TSB NUMBER is : 07-002/23 Dated Feb, 2023.

This DEFECT ONLY applies to the lot numbers made before Lot 0411 of December 2021.

Any Sensor made AFTER Lot 0411 of December 2021 is not considered defective and this Bulletin does Not apply, if you still have any AC issues it may be related to something else other than this Temp Sensor.

Only the physical examination of the Sensors outer production label on Sensor will determine if it is considered defective.

This is the Formula to calculate such a claim, obviously access to the cars Sensor is needed.

Ambient Temperature Sensor	
<p>LOT Number <u>202112AS0411</u></p> <ul style="list-style-type: none">• First 4 digits - <u>Year</u>• Digit 5-6 - <u>Month</u>• Digit 7-8 - Production Line Identification Code• Last 4 digits - <u>Product Lot (number assigned to each lot)</u>	 <p>Example: 2021 12 AS 0411 = Dec/2021 Lot Number 411</p>

Above Image of Sensor is Mazda Part Number G518-61-764A.