

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  <b>WRONG VEHICLE LOCATION IN GPS WITH DTCS B119F:01, B119F:13 AND/OR B119F:2B STORED</b>	<b>Bulletin No.:</b> 09-021/20
	<b>Last Issued:</b> 06/25/2020

## APPLICABLE MODEL(S)/VINS

2019-2020 Mazda3  
2020 CX-30

## DESCRIPTION

Some customers may experience the master warning light and/or the "In-Vehicle Network Malfunction" warning message in the instrument cluster on with DTC B119F:01, B119F:13 and/or B119F:2B stored when the vehicle position cannot be displayed correctly.

- B119F:01 (TCU - Tel antenna No. 1 malfunction)
- B119F:13 (TCU - TEL antenna No.1 circuit malfunction)
- B119F:2B (CMU - GPS antenna signal circuit malfunction)

This concern may be caused by incoming noise disturbing the reception of GPS signals, resulting in the wrong vehicle location and the DTC stored. To eliminate this concern, the GPS antenna has been modified.

## REPAIR PROCEDURE

1. Verify customer concern.
2. Confirm if the telephone antenna No.1's lot number is before 0C230003. The lot number is in YMDDnnnn format.

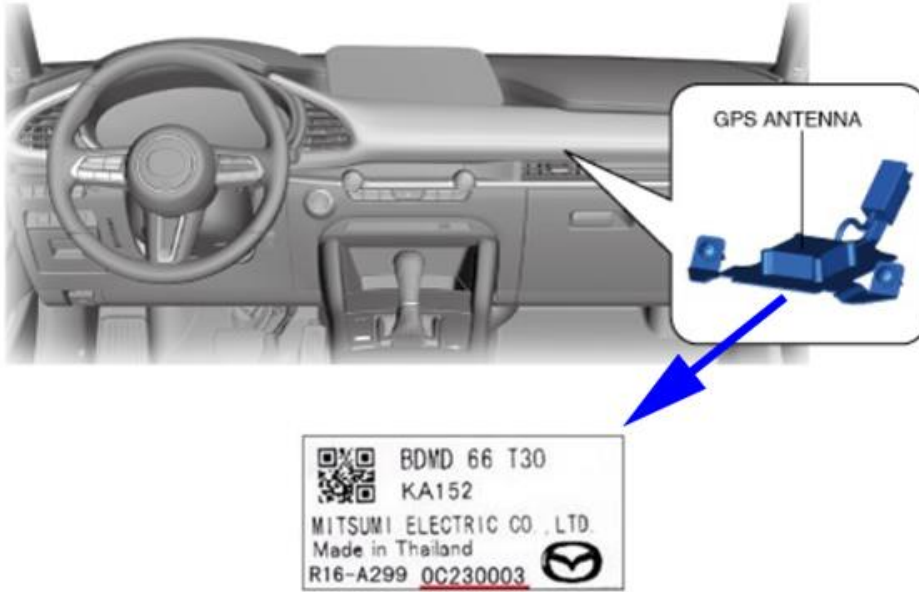
**NOTE:** The part number has not been changed for this modification.

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Example:

0C230003: 0→2020 (year), C → March, 23→ 23th (day), 0003→serial number for the day  
 9H161360: 9→2019 (year), H → August, 16→ 16th (day), 1360→serial number for the day



- If the lot number is 0C230003 or later, the part is already modified.
- If the lot number is before 0C230003, replace the GPS antenna with a modified one by referring to the instructions on MGSS.
  - Mazda3: (GLOBAL POSITIONING SYSTEM (GPS) ANTENNA REMOVAL/INSTALLATION)
  - CX-30: (GLOBAL POSITIONING SYSTEM (GPS) ANTENNA REMOVAL/INSTALLATION)

3. Verify repair.

**PARTS INFORMATION**

Part Number	Description	Qty.	Notes
BDMD-66-T30	Antenna, Telephone	1	The GPS antenna is integrated with the telephone antenna (No.1)

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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	6X
Damage Code	9W
Part Number Main Cause	BDMD-66-T30
Quantity	1
Operation Number / Labor Hours:	XXS37BRX / 0.2 Hrs.

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