

# 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> 11/16/2020

## BULLETIN NOTES

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

Previously issued TSBs:	Date issued:
09-021/20	06/25/2020

## APPLICABLE MODEL(S)/VINS

2019-2021 Mazda3  
2020-2021 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.

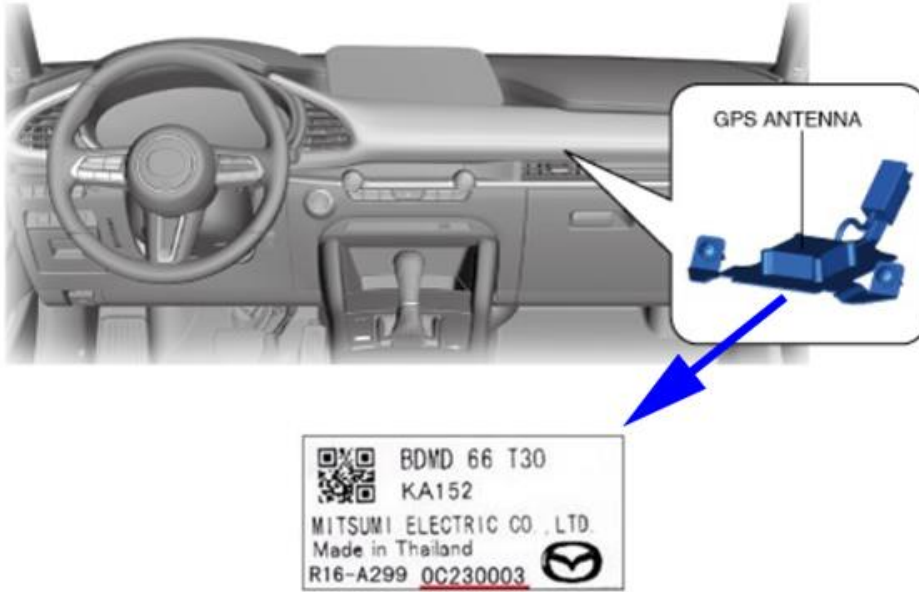
**NOTE:** The part number has not been changed for this modification.

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**CONSUMER NOTICE:** The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

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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