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| <b>Subject:</b><br><br><b>IN-VEHICLE NETWORK MALFUNCTION WARNING MESSAGE<br/>AND DTC B119F:01</b> | <b>Service Alert No.: SA-038/24</b> |
|                                                                                                   | <b>Last Issued : 06/13/2024</b>     |

## BULLETIN NOTES

### APPLICABLE MODEL(S)/VINS

2019-2023 Mazda3  
2020-2023 CX-30  
2021-2023 CX-5  
2023 CX-50  
2021-2023 CX-9  
2022 MX-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 (TCU - Tel antenna No. 1 malfunction) stored. Customers having this concern should have their vehicle repaired using the following repair procedure.

## REPAIR PROCEDURE

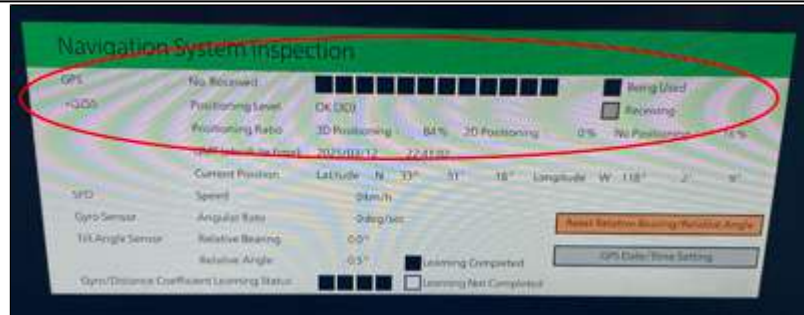
1. Verify the customer concern.
2. Clear DTC.
3. Go to MGSS -> PID/DATA MONITOR TABLE [TCU] -> GNSS\_STAT PID  
GNSS\_STAT =
  - 2D Fix - OK
  - 3D Fix – OK
  - No Fix - Go to Step 4
  - Antenna not properly connected - Go to Step 4
4. Go to MGSS -> DIAGNOSTIC ASSIST FUNCTION [CMU] -> Navigation function inspection screen -> GNSS reception number.

**Does the vehicle receive a Good GPS signal? (Example of a good GPS signal below)**

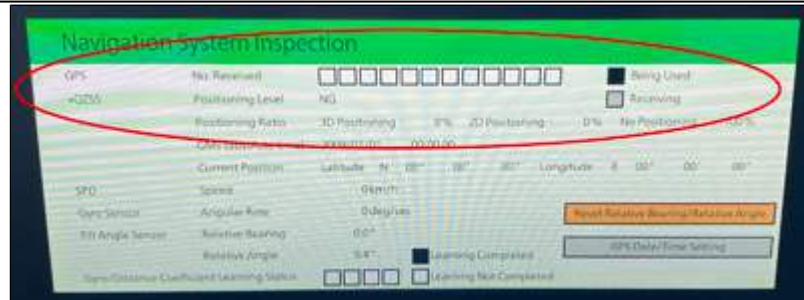
**NOTE:** Perform this step with a clear view of the sky.

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Good Signal



Bad Signal



## Is the GPS signal good?

- **Yes:** Replace the TCU. See [SA-025/23](#)
- **No:** Go to next step.

## 5. Wiggle test the wiring harness and connections.

## Did the wiggle test find harness or connector failure?

- **Yes:** Repair/Replaced wiring harness as needed.
- **No:** Go to next step.

## 6. Replace Tel No1 Antenna.

## Did this repair the vehicle?

- **Yes:** Repair complete
- **No:** Repeat Steps 4-5.

## 7. Verify the repair

## WARRANTY INFORMATION

Use the normal warranty claim process.

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