

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

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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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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