



<b>Subject:</b> <b>"IN-VEHICLE NETWORK MALFUNCTION" INSTRUMENT CLUSTER WARNING MESSAGE</b>	<b>Service Alert No.:</b> SA-029/20
	<b>Last Issued:</b> 06/23/2020

## BULLETIN NOTES

This service alert supersedes the previously issued service alert listed below. The changes are noted in Red text.

Previous Service Alert:	Date(s) Issued:
SA-029/20	06/05/20, 04/17/20, 04/08/20 and 02/25/20
SA-014/19	09/05/19 and 04/03/19

## APPLICABLE MODEL(S)/VINS

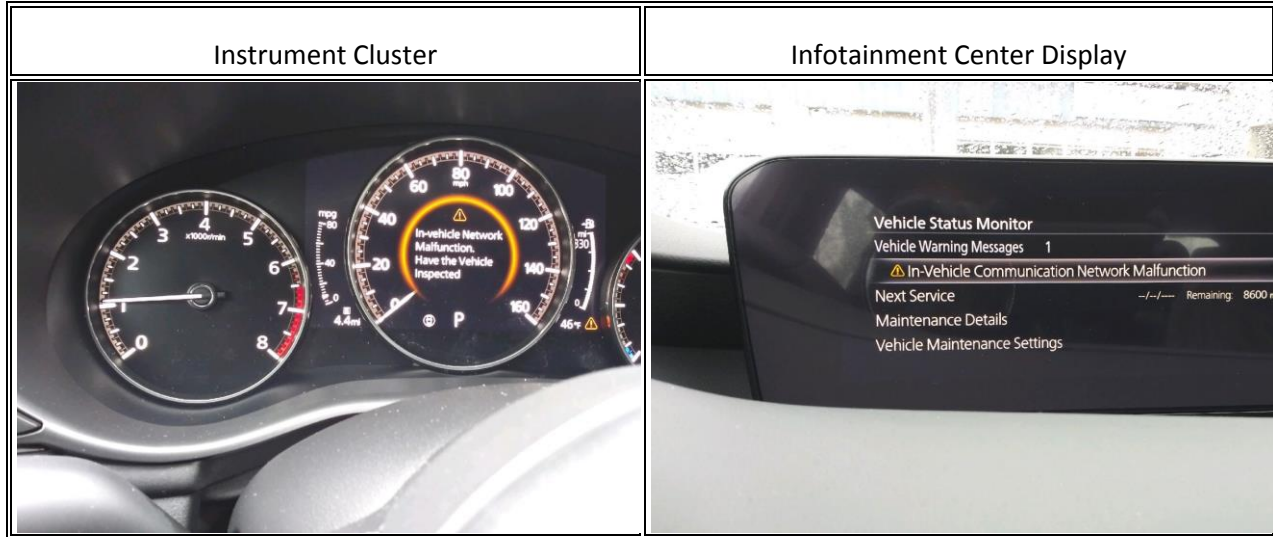
2019-2020 Mazda3  
2020 CX-30

## DESCRIPTION

Some customers may experience a "IN-VEHICLE NETWORK MALFUNCTION" warning message in the instrument cluster with one or more of the following DTC's stored:

- 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)**
- B1252:87 TCU - Communication error with connectivity master unit (CMU)
- U0156:00 VCM - Communication error with connectivity master unit (CMU)
- U0156:00 BCM - Communication error with connectivity master unit (CMU)
- U0198:00 BCM - Communication error with emergency call unit
- U212D:00 BCM - Communication error with light control module (RH)
- U3000:00 TCU - Telematics communication unit internal malfunction
- Low Voltage Battery DTCs

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## REPAIR PROCEDURE

1. Verify customer concern.

2. Connect MDARS.

**NOTE:** Only use MDARS to scan for DTC's. If IDS is used, P0602 (PCM programming error) will falsely set.

**Is the TCU shown (red or green) on the MDARS main screen?**

- Yes - Go to the next step.
- No - Go to [Method For Recovering Missing TCU](#), then go to next step.


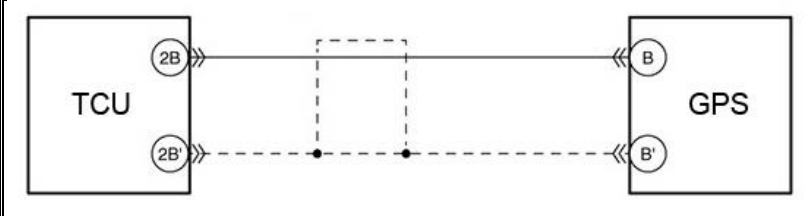
3. Check for:

- Missing fuses
- Blown fuses
- Correct fuse amperage

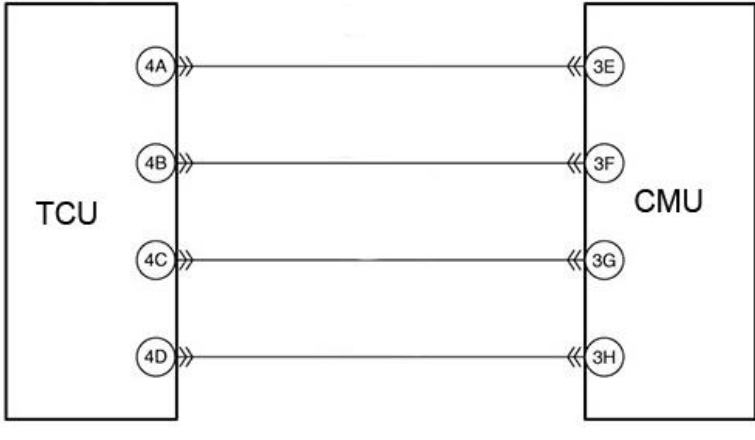
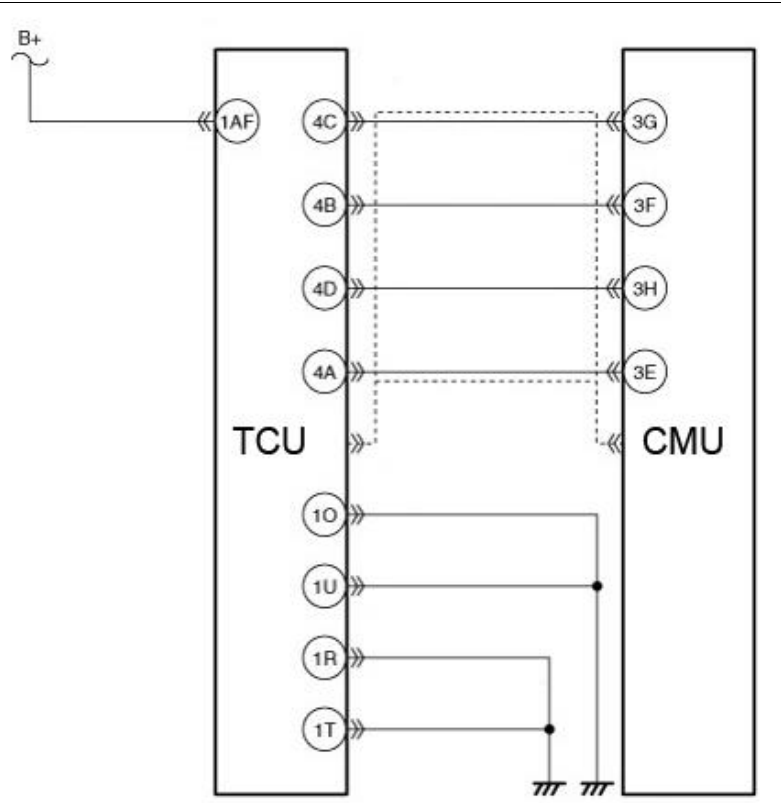
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4. Are any DTC(s) stored?

- Yes - See table below:
- No - Contact hotline for latest repair information.

DTC	Action
<p>B119F:01 and one of the following:</p> <ol style="list-style-type: none"> <li>1. B119F:13</li> <li>2. B119F:2B</li> </ol>	<ol style="list-style-type: none"> <li>1. Check GPS antenna lot number. Is the lot number before 0C230003?                     <ol style="list-style-type: none"> <li>1. Yes - Contact Hotline for the latest repair information.</li> <li>2. No - Go to next step.</li> </ol> <p><b>How to read lot number</b> The lot number is in YMDDnnnn format. If it is 0C230003 or later, the part is already modified. No part number change for new modification.</p> <p><b>Example:</b> 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</p>  </li> <li>2. Check GPS antenna connection.                     <ol style="list-style-type: none"> <li>1. GPS connection is good - Refer to MGSS DTC B119F:01 [TELEMATICS COMMUNICATION UNIT]</li> <li>2. GPS connection is bad - Repair GPS antenna connection.</li> </ol>  </li> </ol>
<p>B1252:87</p>	<ol style="list-style-type: none"> <li>1. Check USB cable connections between TCU and CMU.</li> </ol>

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<p>U0156:00</p>	<p>1. Refer to the instructions on MGSS.</p> <ol style="list-style-type: none"> <li>Mazda3 DTC U0156:00 [BODY CONTROL MODULE (BCM)]</li> <li>CX-30 DTC U0156:00 [BODY CONTROL MODULE (BCM)]</li> </ol>
<p>U0198:00</p>	<p>1. Check USB cable connections between TCU and CMU.</p> 
<p>U212D:00</p>	<p>1. Refer to the instructions on MGSS.</p>

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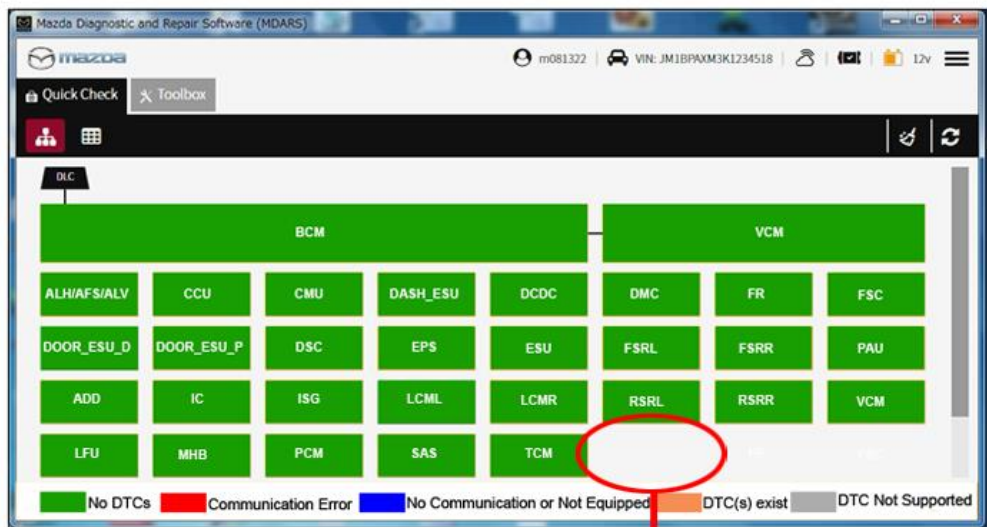
	<ol style="list-style-type: none"> <li>1. Mazda3 DTC U212D:00 [BODY CONTROL MODULE (BCM)]</li> <li>2. CX-30 DTC U212D:00 [BODY CONTROL MODULE (BCM)]</li> </ol>
U3000:00	<ol style="list-style-type: none"> <li>1. Replace TCU. Refer to the instructions on MGSS.               <ol style="list-style-type: none"> <li>1. Mazda3 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION.</li> <li>2. CX-30 TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION.</li> </ol> </li> </ol>
Other DTC's	Refer to the instructions on MGSS.
Low Battery with or without DTC	Disconnect battery for 30 seconds, then reconnect it.

5. Verify repair.

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### Method For Recovering Missing TCU

- a. ID vehicle using MDARS.
- b. IG OFF.
- c. Refresh DTC.
- d. IG ON while refreshing DTC.
- e. TCU now appears. Go to step 3.



TCU appears

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