

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922



Subject: "IN-VEHICLE NETWORK MALFUNCTION" INSTRUMENT CLUSTER WARNING MESSAGE	Service Alert No.: SA-029/20
	Last Issued: 09/10/2020

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	07/20/20, 06/29/20, 06/23/20, 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

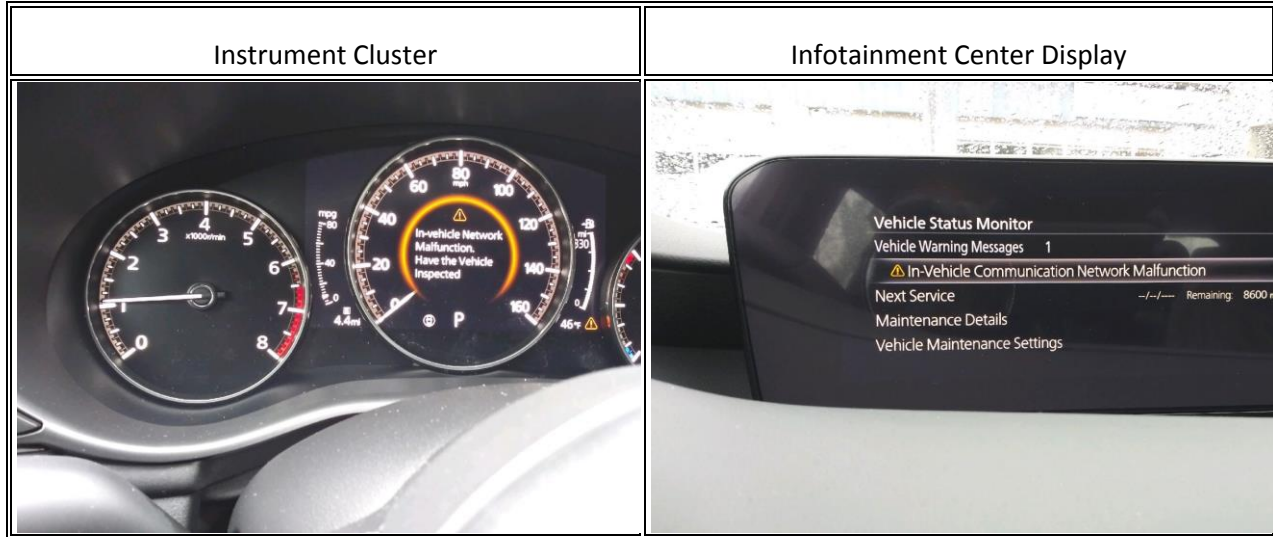
2019-2020 Mazda3
2020 CX-30

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?

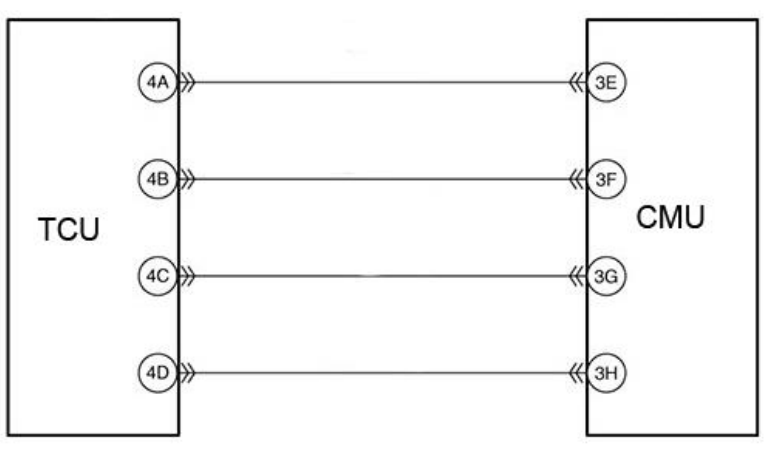
- **Green:** Go to the next step.
- **Red:** Go to [Method For Recovering Missing TCU](#), then go to next step.

3. Check for:

- Missing fuses
- Blown fuses
- Correct fuse amperage

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4. Refer to table below.

DTC	Action
Low Battery with or without DTC	<p>Perform TCU Reprogramming with the following Calibration.</p> <ol style="list-style-type: none"> 1. Mazda3: BDGF-67CK2-D 2. CX-30: DGH9-67CK2-C
<p>B119F:01 and one of the following:</p> <ol style="list-style-type: none"> 1. B119F:13 2. B119F:2B 	Go to TSB 09-021/20 .
B1252:87	<p>Check USB cable connections between TCU and CMU.</p> 
U0156:00	<p>Refer to the instructions on MGSS.</p> <ol style="list-style-type: none"> 1. Mazda3: DTC U0156:00 [BODY CONTROL MODULE (BCM)] 2. CX-30: DTC U0156:00 [BODY CONTROL MODULE (BCM)]

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<p>U0198:00</p>	<p>Check USB cable connections between TCU and CMU.</p>
<p>U212D:00</p>	<p>Refer to the instructions on MGSS.</p> <ol style="list-style-type: none"> Mazda3: DTC U212D:00 [BODY CONTROL MODULE (BCM)] CX-30: DTC U212D:00 [BODY CONTROL MODULE (BCM)]
<p>U3000:00</p>	<p>Replace TCU. Refer to the instructions on MGSS.</p> <ol style="list-style-type: none"> Mazda3: TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION. CX-30: TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION.
<p>Other DTC's</p>	<p>Refer to the instructions on MGSS.</p>

5. Verify repair.

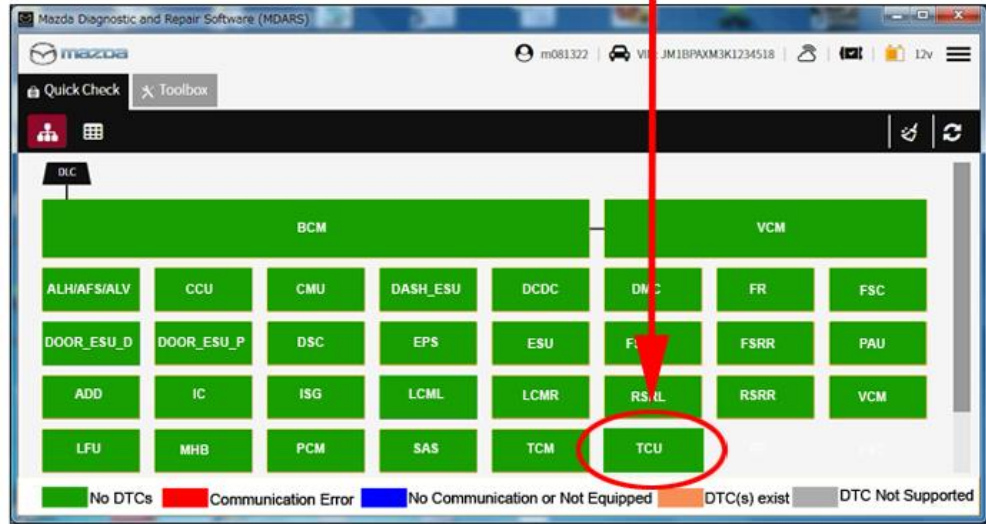
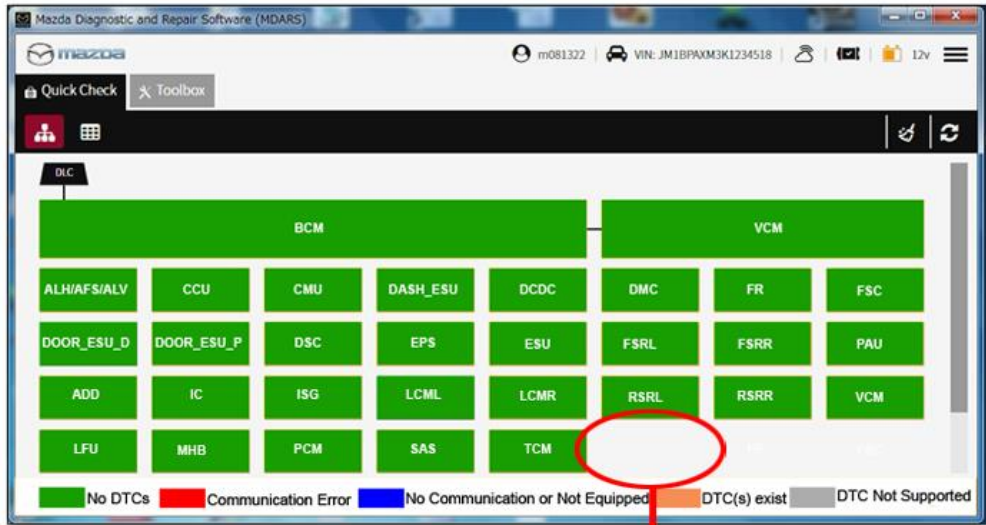
Method For Recovering Missing TCU

<p>a.</p>	<p>ID vehicle using MDARS.</p>	
<p>b.</p>	<p>IG OFF.</p>	
<p>c.</p>	<p>Refresh DTC.</p>	

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d. IG ON while refreshing DTC.

e. TCU now appears. Go to step 3.



TCU appears

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