

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

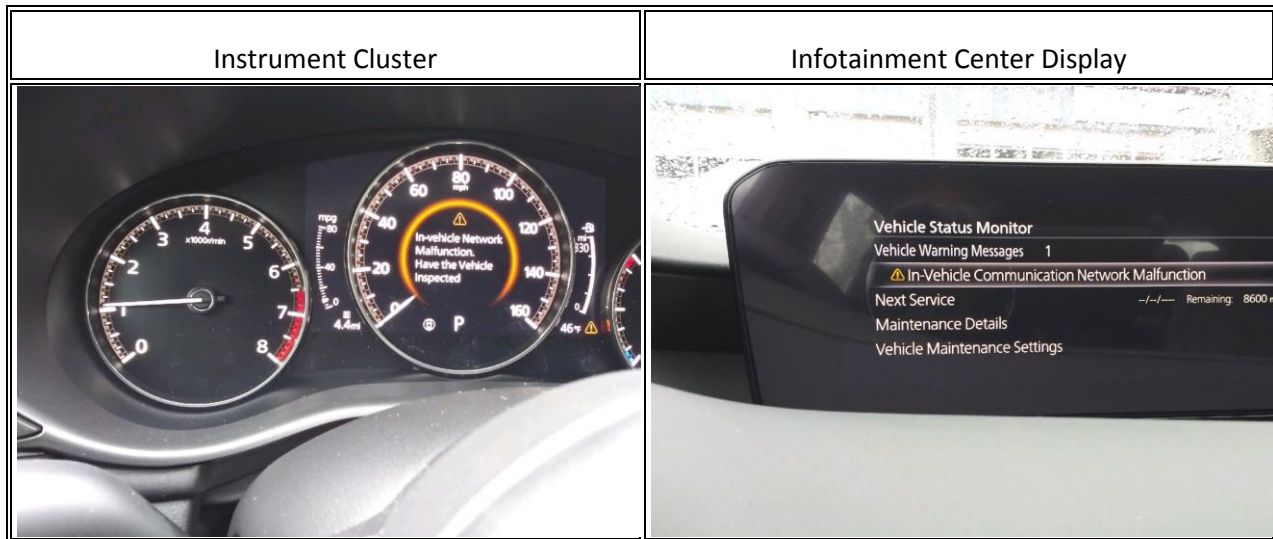
DESCRIPTION

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

Page 1 of 5

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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?

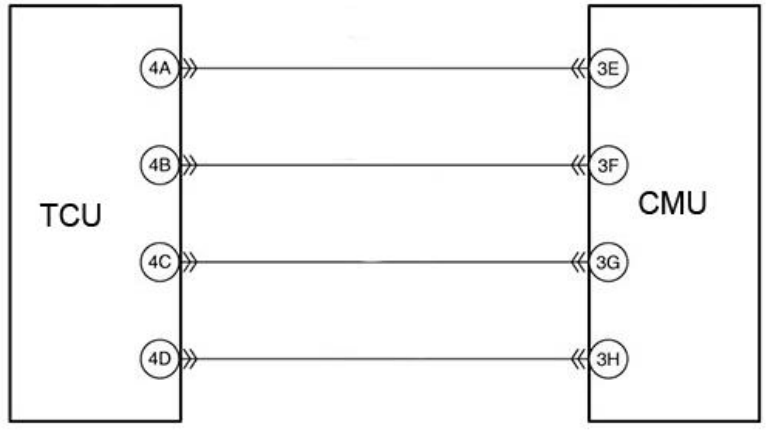
- **Green:** Go to the next step.
- **Red:** Go to [Method For Recovering Missing TCU](#), then go to next step.

3. Check for:

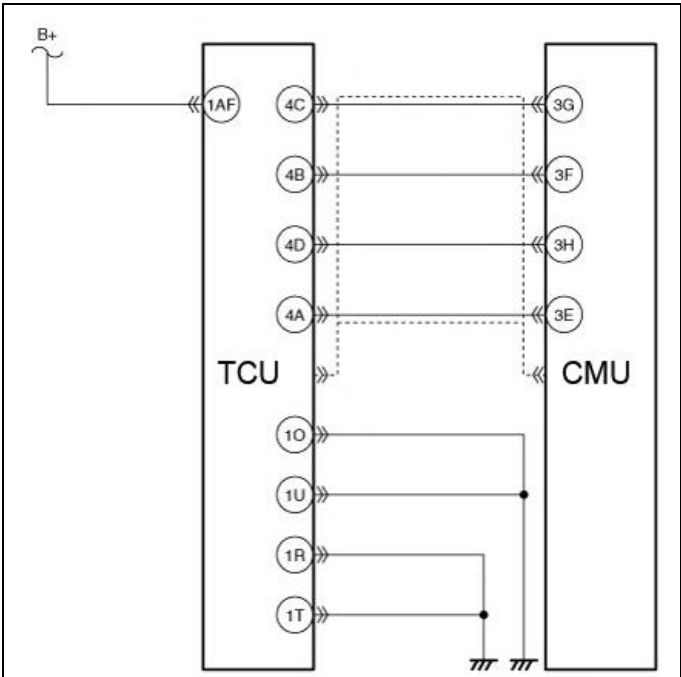
- Missing fuses
- Blown fuses
- Correct fuse amperage

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4. Refer to table below.

DTC	Action
Low Battery with or without DTC	Perform TCU Reprogramming with the following Calibration. - Mazda3: BDGF-67CK2-D - CX-30: DGH9-67CK2-C
B119F:01 and one of the following: - B119F:13 - B119F:2B	Go to TSB 09-021/20 .
B1252:87	Check USB cable connections between TCU and CMU. 
U0156:00	Refer to the instructions on MGSS. - Mazda3: DTC U0156:00 [BODY CONTROL MODULE (BCM)] - CX-30: DTC U0156:00 [BODY CONTROL MODULE (BCM)]

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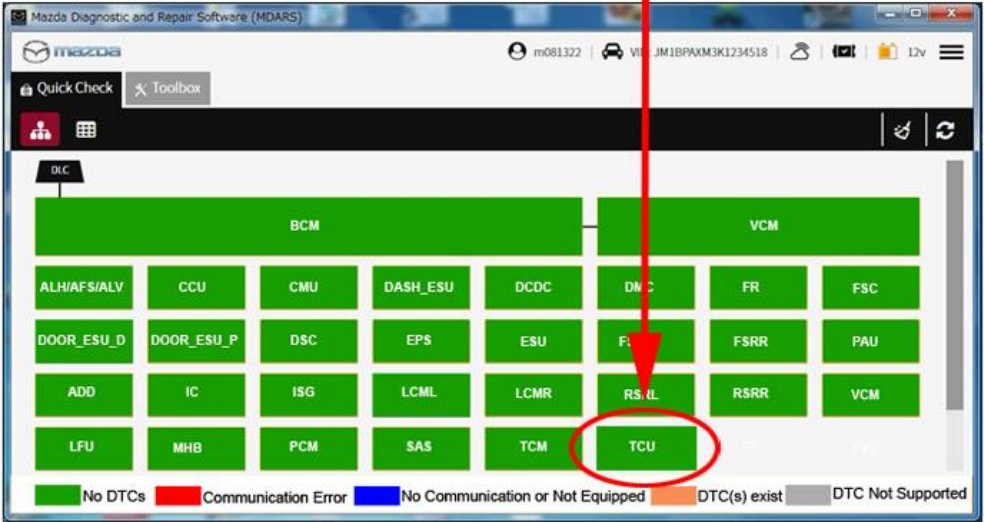
U0198:00	Check USB cable connections between TCU and CMU. 
U212D:00	Refer to the instructions on MGSS. 1. Mazda3: DTC U212D:00 [BODY CONTROL MODULE (BCM)] 2. CX-30: DTC U212D:00 [BODY CONTROL MODULE (BCM)]
U3000:00	Replace TCU. Refer to the instructions on MGSS. 1. Mazda3: TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION. 2. CX-30: TELEMATICS COMMUNICATION UNIT REMOVAL/INSTALLATION.
Other DTC's	Refer to the instructions on MGSS.

5. Verify repair.

Method For Recovering Missing TCU

a.	ID vehicle using MDARS.	
b.	IG OFF.	
c.	Refresh DTC.	

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d.	IG ON while refreshing DTC.	
e.	TCU now appears. Go to step 3.	 TCU appears

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