

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

**MASTER WARNING LIGHT ON WITH DTC B115E:76 [FSC]
STORED**

Bulletin No.: 15-004/21

Last Issued : 11/16/2021

APPLICABLE MODEL(S)/VINS**US / Canada Spec.:**

2018-2021 CX-3 vehicles with VINs lower than JM1DK*****516343 (produced before Jun. 1, 2021)
2017-2020 CX-5 vehicles with VINs lower than JM3KF*****869654 (produced before Aug. 24, 2020)
2021 CX-5 vehicles (with 8" center display) with VINs lower than JM3KF*****133269 (produced before Jun. 1, 2021)
2021 CX-5 vehicles (with 10.25" center display) with VINs lower than JM3KF*****430601 (produced before Jun. 1, 2021)
2018-2020 CX-9 vehicles with VINs lower than JM3TC*****424641 (produced before Jul. 13, 2020)
2021 CX-9 vehicles (with 7" or 9" center display) with VINs lower than JM3TC*****454880 (produced before May. 13, 2021)
2021 CX-9 vehicles (with 10.25" center display) with VINs lower than JM3TC*****532564 (produced before Jun. 1, 2021)
2017-2018 Mazda3 (Japan built) vehicles with VINs lower than JM1BN*****199538 (produced before Oct. 31, 2018)
2017-2018 Mazda3 (Mexico built) vehicles with VINs lower than 3MZBN*****277187 (produced before Dec. 20, 2018)
2017-2021 Mazda6 vehicles with VINs lower than JM1GL*****615668 (produced before Jun. 1, 2021)
2019-2021 MX-5 vehicles with VINs lower than JM1ND*****458919 (produced before Jun. 1, 2021)

Mexico / PR Spec.:

2017-2020 CX-5 vehicles with VINs lower than JM3KF*****869654 (produced before Aug. 24, 2020)
2021 CX-5 vehicles (with 8" center display) with VINs lower than JM3KF*****133269 (produced before Jun. 1, 2021)
2020-2021 Mazda2 vehicles with VINs lower than 3MDDJ*****408388 (produced before May 22, 2021)
2017-2021 Mazda6 vehicles with VINs lower than JM1GL*****615668 (produced before Jun. 1, 2021)

DESCRIPTION**NOTE:**

- This Service Information is only applicable for vehicles equipped with a Forward Sensing Camera (FSC), **KDD1-67-XCX** and **GSH7-67-XCX***.
- If B61L-67-XCX* appears in the GEPC search, the VIN is applicable for this repair **only if the part has been previously replaced with KDD1-67-XCX**.

Some vehicles may exhibit the master warning light (and other warning lights) illuminated while driving, with DTC B115E:76 stored in memory.

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- B115E:76 [FSC] (Forward sensing camera (FSC) axis deviation)

The following DTCs may also be present.

- U0483:68 [FSC] - Error signal received from adaptive LED headlights control module.
- U053B:68 [AFS/ALM] - Error signal received from forward sensing camera (FSC).

This concern may be caused by improper FSC control software. To eliminate this concern, the FSC control software has been modified.

Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

1. Verify the customer concern.
2. Replace the FSC with a modified one according to MGSS online:
 - CX-3: FORWARD SENSING CAMERA (FSC) REMOVAL/INSTALLATION
 - CX-5: FORWARD SENSING CAMERA (FSC) REMOVAL/INSTALLATION
 - CX-9: FORWARD SENSING CAMERA (FSC) REMOVAL/INSTALLATION
 - MX-5: FORWARD SENSING CAMERA (FSC) REMOVAL/INSTALLATION
 - MAZDA2: FORWARD SENSING CAMERA (FSC) REMOVAL/INSTALLATION
 - MAZDA3: FORWARD SENSING CAMERA (FSC) REMOVAL/INSTALLATION
 - MAZDA6: FORWARD SENSING CAMERA (FSC) REMOVAL/INSTALLATION
3. Verify the repair.

PARTS INFORMATION

NOTE:

- Use the VIN to lookup the correct part number in the GEPC.
- If B61L-67-XCX* appears in the GEPC search, the VIN is applicable for this repair **only if the part has been previously replaced with KDD1-67-XCX**.

Parts Number	Description	Qty.	Applicable Models	Notes
KDD1-67-XCXA	Camera, Forward Sensing	1	2018-20 CX-3, 2017-19 CX-5, 2018-19 CX-9, 2017-18 Mazda3, 2017-18 Mazda6, 2019 MX-5	---
GSH7-67-XCXP	Camera, Forward Sensing	1	2021 CX-3, 2020-21 CX-5, 2020-21 CX-9, 2020-21 Mazda2, 2019-21 Mazda6, 2020-21 MX-5	With "P" or later suffix

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NOTE: Due to the global chip shortage, as well as supply chain and logistics issues resulting from the ongoing global pandemic, we are encountering supply disruptions.

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	62
Damage Code	9W
Part Number Main Cause	KDD1-67-XCXA or GSH7-67-XCXP
Quantity	1
Operation Number / Labor Hours:	XXT6ZARX / 0.4 Hrs.

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