

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

**WARNING MESSAGE SAFETY AND DRIVER SUPPORT SYSTEMS
PARTIALLY DISABLED WITH DTC U2511:68**

Service Alert No.: SA-006/20

Last Issued: 01/10/2020

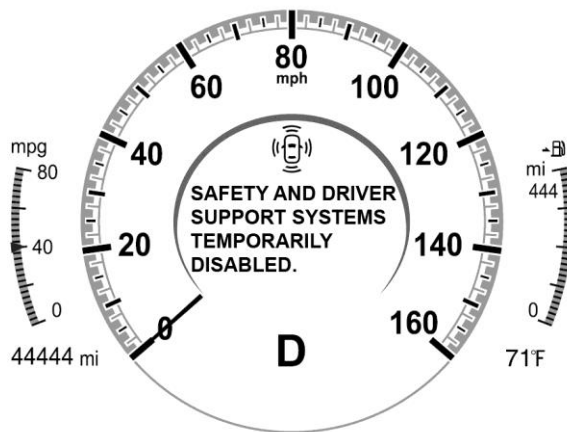
APPLICABLE MODEL(S)/VINS

2019 Mazda3

DESCRIPTION

Some customer's may complain about warning message "Safety And Driver Support Systems Partially Disabled" with the following DTC's stored:

- U2511:68 DSC - Error signal received from electrical supply unit (ESU)
- U2511:68 VCM - Brake light control signal error

**REPAIR PROCEDURE**

- U2511:68 DSC - Error signal received from electrical supply unit (ESU)
 - Go to DTC U2511:68 [DSC HU/CM]
- U2511:68 VCM - Brake light control signal error
 - Information is currently missing from Workshop Manual. MGSS will be updated soon. See service information below:

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DTC U2511:68 [VEHICLE CONTROL MODULE]

Outline

System malfunction location	Brake light control signal error
Detection condition	- The vehicle control module (VCM) detects an error in the brake light illumination request signal received from the DSC HU/CM or the brake light illumination condition signal received from the electrical supply unit (ESU) for 10 s. Preconditions - During brake pedal operation
Fail-safe	(See DTC TABLE [VEHICLE CONTROL MODULE].)
Possible cause	- Electrical supply unit (ESU) malfunction - Brake light illumination condition signal error - DSC HU/CM malfunction - Brake light illumination request signal error - Vehicle control module (VCM) malfunction (built into body control module (BCM)) - Body control module (BCM) malfunction

Diagnostic Procedure

Step	Inspection	Results	Action
1	INSPECT VEHICLE CONTROL MODULE (VCM) AND BODY CONTROL MODULE (BCM) FOR MALFUNCTION - Perform the DTC inspection for the vehicle control module (VCM) and the body control module (BCM). (See DTC INSPECTION.) - Is a DTC related to an internal malfunction displayed?	Yes	Repair the malfunctioning location according to the applicable DTC troubleshooting. (See DTC TABLE [VEHICLE CONTROL MODULE].) (See DTC TABLE [BODY CONTROL MODULE (BCM)].)
		No	Go to the next step.
2	VERIFY ELECTRICAL SUPPLY UNIT (ESU) DTCs - Perform the DTC inspection for the electrical supply unit (ESU). (See DTC INSPECTION.) - Is a DTC displayed?	Yes	Repair the malfunctioning location according to the applicable DTC troubleshooting. (See DTC TABLE [BODY CONTROL MODULE (BCM)].)
		No	Go to the next step.

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3	VERIFY DSC HU/CM DTCs 1. Perform the DTC inspection for DSC HU/CM. (See DTC INSPECTION.) 2. Is a DTC displayed?	Yes	Repair the malfunctioning location according to the applicable DTC troubleshooting. (See DTC TABLE [DSC HU/CM].)
		No	Go to the next step.
4	INSPECT ELECTRICAL SUPPLY UNIT (ESU) FOR MALFUNCTION DEPENDING ON REPEATABILITY 1. Install/connect the part removed/disconnected during the troubleshooting procedure. 2. Clear the DTC recorded in the memory. (See CLEARING DTC.) 3. Perform the DTC inspection for the vehicle control module (VCM). (See DTC INSPECTION.) 4. Is the same Pending DTC present?	Yes	Replace the electrical supply unit (ESU), then go to the next step. (See ELECTRICAL SUPPLY UNIT (ESU) REMOVAL/INSTALLATION.)
		No	Perform the [ACTION FOR NON-REPEATABLE MALFUNCTIONS]. (See TROUBLESHOOTING PROCEDURE [(US)].) If DTC is displayed 1. Repeat the diagnosis from Step 1. If DTC is not displayed 1. Go to repair completion verification 2.
5	INSPECT DSC HU/CM FOR MALFUNCTION DEPENDING ON REPEATABILITY 1. Install/connect the part removed/disconnected during the troubleshooting procedure. 2. Clear the DTC recorded in the memory. (See CLEARING DTC.) 3. Perform the DTC inspection for the vehicle control module (VCM). (See DTC INSPECTION.) 4. Is the same Pending DTC present?	Yes	Replace the DSC HU/CM and perform the repair completion verification. (See DSC HU/CM REMOVAL/INSTALLATION.)
		No	Go to repair completion verification 2.

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Repair completion verification 1	VERIFY THAT VEHICLE IS REPAIRED 1. Install/connect the part removed/disconnected during the troubleshooting procedure. 2. Clear the DTC recorded in the memory. (See CLEARING DTC.) 3. Perform the DTC inspection for the vehicle control module (VCM). (See DTC INSPECTION.) 4. Is the same Pending DTC present?	Yes	Refer to the controller area network (CAN) malfunction diagnosis flow to inspect for a CAN communication error. (See CONTROLLER AREA NETWORK (CAN) MALFUNCTION DIAGNOSIS FLOW.) If the CAN communication is normal, perform the diagnosis from Step 1. 1. If the malfunction recurs, replace the body control module (BCM), then go to the next step. (See BODY CONTROL MODULE (BCM) REMOVAL/INSTALLATION.)
		No	Go to the next step.
Repair completion verification 2	VERIFY IF OTHER DTC IS DISPLAYED 1. Perform the DTC inspection. (See DTC INSPECTION.) 2. Are any other DTCs displayed?	Yes	Repair the malfunctioning location according to the applicable DTC troubleshooting.
		No	DTC troubleshooting completed.

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