



Subject: BSM AND RCTA SYSTEM DO NOT WORK	Bulletin No.: 15-004/20
	Last Issued: 12/03/2020

APPLICABLE MODEL(S)/VINS

- 2019-2020 Mazda3 (Japan built) with VINS lower than JM1BP*****161108 (produced before December 20, 2019)
- 2019-2020 Mazda3 (Mexico built) with VINS lower than 3MZBP*****138157 (produced before February 28, 2020)
- 2020 CX-30 with VINS lower than 3MVDM*****130147 (produced before February 28, 2020)

DESCRIPTION

Some vehicles may exhibit that both sides (right and left sides) of the Blind Spot Monitoring (BSM) and Rear Cross Traffic Alert (RCTA) system do not work.

- The warning indicator lights and the warning buzzer for the system have never worked.
- No DTC is stored for the system
- The concern started from NEW VEHICLE DELIVERY to the customer.

NOTE: If the system sometimes works/worked before or a DTC for the system is stored, this TSB is not applicable.

This is caused by a software setting in the rear side radar sensors remaining turned off when shipped from the factory. To eliminate this concern, the software in the rear side radar sensor has been modified so that new vehicles cannot be shipped with the software turned off.

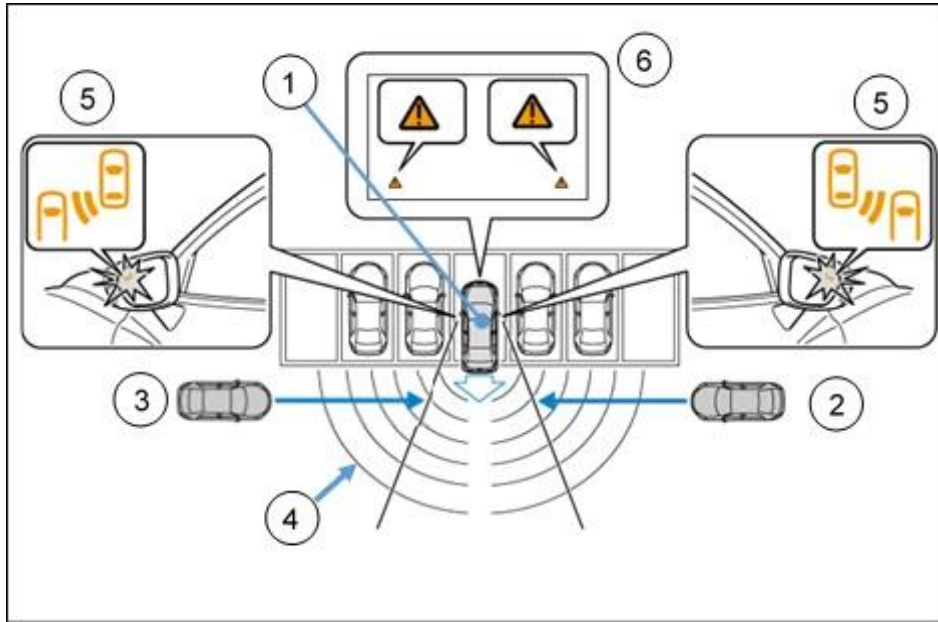
Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

1. Verify customer concern.
2. Confirm that no DTC for the BSM and RCTA system is stored.

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3. Prepare a vehicle to be used for the approaching vehicle (2) and (3) and confirm the RCTA does not work on either side (right and left) with the following procedure.



a. Park the concerned vehicle (1) and the approaching vehicle (2) as above.

NOTE: Confirm that there are no obstacles in the radar sensor microwave output range (4) of vehicle (1).

b. [Vehicle (1)] Start the engine and shift into the reverse (R) position while pressing the brake pedal (A/T and M/T) and the clutch pedal (M/T).

NOTE: DO NOT move the vehicle.

c. [Vehicle (2)] Start the engine and drive behind vehicle (1) at 9 mph (15km/h) or less.

d. [Vehicle (1)] Confirm that BSM (5) indicator lights on the outer mirrors and RCTA (6) indication in the rear view monitor do not flash and BSM warning buzzer is not activated, even though vehicle (2) is approaching from the right rear.

e. Confirm the left side as well using the same procedure from steps a to d as [Vehicle (3)] instead of [Vehicle (2)].

4. After confirming the BSM system does not work on both right and left side, remove both of the rear side radar sensors according to the instructions on MGSS and swap them.

- Mazda3: (REAR SIDE RADAR SENSOR REMOVAL/INSTALLATION)
- CX-30: (REAR SIDE RADAR SENSOR REMOVAL/INSTALLATION)

NOTE: After swapping the right sensor (master) and the left (slave), the BSM system is turned on because both sides of the radar sensors include the same hardware.

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ATTENTION: When swapping the rear radar sensors, replace the sensor mounting bolts and/or nuts with new ones, depending on the model.

- Mazda3: Bolts and Nuts
- CX-30: Bolts

5. Perform the rear side radar sensor aiming according to the instructions on MGSS.

- Mazda3 (FRONT SIDE/REAR SIDE RADAR SENSOR AIMING)
- CX-30 (FRONT SIDE/REAR SIDE RADAR SENSOR AIMING)

6. Refer to step 3 and verify that the both sides of the RCTA system work normally.

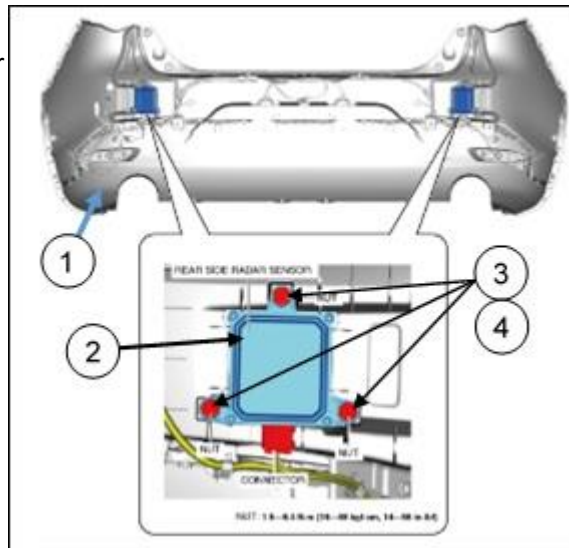
PARTS INFORMATION

Parts Number	Description	Qty.	Notes
BCKA-67-Z03	Bolt, Radar	6	[R] Mazda3 and CX-30
BCKA-50-345	Nut	6	[R] Mazda3

[R]: Replace parts

PARTS LOCATION

- (1) Rear Bumper
- (2) Rear Side Radar Sensor
- (3) Nut
- (4) Bolt, Radar



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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	61
Damage Code	9W
Part Number Main Cause	B0J9-67-Y30C
Quantity	0
Operation Number / Labor Hours:	XXS7CDRX / 1.0 Hrs. (Mazda3 4-door SD) XXS7CGRX / 1.1 Hrs. (Mazda3 5-door HB) XXS7CHRX / 1.3 Hrs. (CX-30)

NOTE: Claim the nuts and bolts as related parts.

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