

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922



Subject: FORWARD SENSING CAMERA (FSC) DYNAMIC AIMING NOT COMPLETED AND/OR DTC B14F0:76 STORED	Service Alert No.: SA-043/22
	Last Issued : 06/27/2022

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-046/20	11/17/20, 06/23/20 and 04/14/20
SA-050/19	11/21/19

APPLICABLE MODEL(S) / VINS

2019-2022 Mazda3

2020-2022 CX-30

DESCRIPTION

CAUTION: DO NOT turn the ignition OFF after dynamic aiming starts until aiming has completed or aiming timeout. If the ignition is turned OFF, the VCM will store B14F0:76 and FSC aiming will not complete.

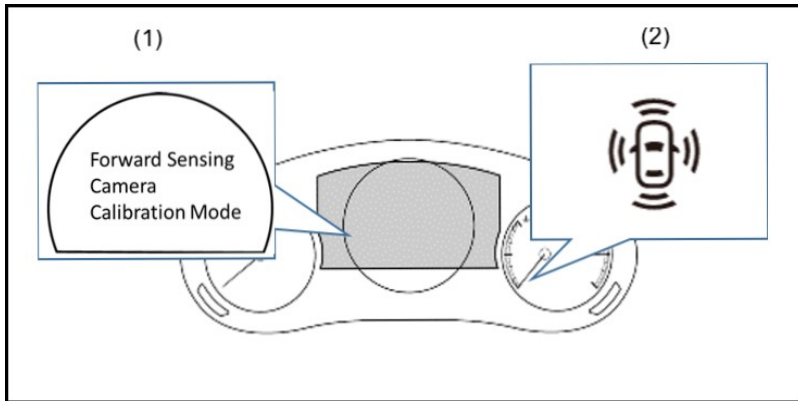
FSC dynamic aiming (mid-drive aiming) may not complete if the vehicle is driven on a road as described below:

- The road lane markings are covered by snow and are not visible.
- There are no road lane markings on the road surface.
- The road is winding and the vehicle cannot drive straight (300 m / 984 ft or more turning radius is required).

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FSC dynamic aiming is completed if the following conditions are met:

1. "Forward Sensing Camera Calibration Mode" message (1) on instrument cluster MID disappears.
2. The i-ACTIVSENSE warning light (2) turns off.
3. Steps 1 and 2 are completed within 20 minutes from start of aiming.



NOTE:

- FSC dynamic aiming mode is finished after 20 minutes due to time limit, regardless of aiming completion.
- If FSC dynamic aiming cannot complete or the "FSC in calibration mode" message returns, perform [FSC static aiming](#).
- If FSC aiming is unsuccessful and DTC B14F0:76 is stored, disconnect the negative battery terminal or related fuse and connect it again after 10 seconds. **Did DTC B14F0:76 clear?**
 - **YES:** Perform FSC dynamic aiming.
 - **NO:** Replace the FSC then perform FSC dynamic aiming again.

CAUTION: Perform the dynamic aiming with the sensor cover installed after a windshield replacement in order to reduce noise interruption.

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