



Subject: FORWARD SENSING CAMERA (FSC) DYNAMIC AIMING NOT COMPLETED AND/OR DTC B14F0:76 STORED	Service Alert No.: SA-046/20
	Last Issued: 11/17/2020

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

APPLICABLE MODEL(S) / VINS

2019-2021 Mazda3
2020-2021 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.

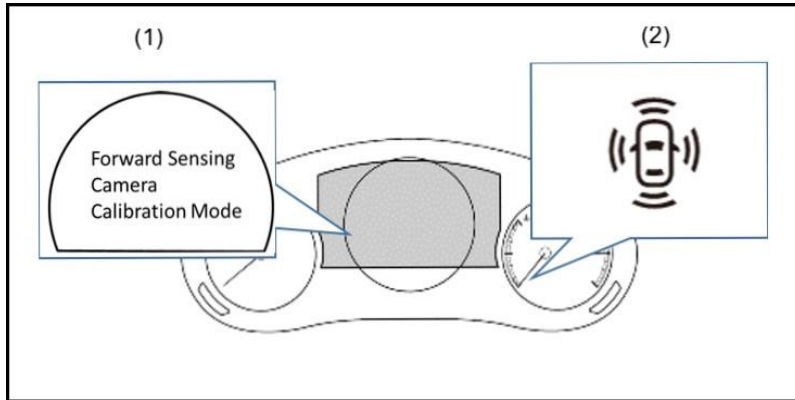
FSC dynamic aiming (mid-drive aiming) may not complete if the vehicle is driven on a road as described below:

- 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).

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

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.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.