

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

ADAPTIVE LED HEADLIGHTS (ALH) AIM UPWARD JUST BEFORE STOPPING DURING NIGHTTIME DRIVING

Bulletin No.: 09-023/26

Last Issued : 08/12/2026

BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2024-2025 CX-30 (equipped with ALH) with VINS lower than 3MVDM*****872171 (produced before October 31, 2025)
2026 CX-30 (equipped with ALH) with VINS lower than 3MVDM*****135368 (produced before February 12, 2026)
2024-2026 MX-5 (equipped with ALH) with VINS lower than JM1ND*****660817 (produced before November 28, 2025)

DESCRIPTION

Some customers may complain that the Adaptive LED Headlights (ALH) aim upward for several seconds just before the vehicle comes to a stop during nighttime driving. This is caused by improper control logic of the ALH. To eliminate this concern, the control software of the ALH 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. Reprogram the **ALH** with the Mazda Modular Diagnostic System (M-MDS), using Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

NOTE: Be sure to submit Diagnostic Information (ODR) data as it is a required item and will be checked during warranty claim submission. Instructions can be found under M-MDS -> MDARS (Uploading Diagnostic Information (ODR) Data).

3. Clear any other DTCs.
4. Verify the repair by starting the engine and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

CALIBRATION

ECU	File Name (Old)	File Name (New)	Actual time to reprogram
ALH	NG6S-66S16-C	NG6S-66S16-D	3 min
	DPTH-66S16-A	DPTH-66S16-B	
	DPTH-66S16-A	EZ0C-66S16-A	

NOTE: This TSB is only applicable for vehicles using the above calibration files.

Page 1 of 2

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.

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	64
Damage Code	9W
Part Number Main Cause	5555-51-027
Quantity	0
Operation Number / Labor Hours:	XXX3SXFX / 0.3 Hrs.

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.