

<b>Subject:</b>  EXTERIOR LIGHT WARNING WITH DTC B10A3:86	<b>Service Alert No.:</b> SA-034/25
	<b>Last Issued :</b> 07/30/2025

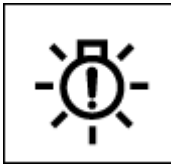
## BULLETIN NOTES

### APPLICABLE MODEL(S)/VINS

2024-2025 MX-5

## DESCRIPTION

Some vehicles equipped with the Adaptive Front lighting System (AFS) may exhibit the exterior light warning light/exterior light warning indication on while driving or when the ignition is turned on and DTC B10A3:86 (Error signal received from swivel actuator (LH)) is stored in memory.



Exterior light warning light



Combination light with AFS  
(1): Parking light/daytime running light (DRL)

This may be caused by the AFS Control Module detecting a false headlight malfunction. There are 2 causes, both of which will be resolved by software changes expected sometime in the 3rd quarter of 2025.

- The swivel sticks briefly (milliseconds) during spirited driving.
- The position sensor loses continuity for a very brief period (milliseconds) as the headlight swivels back and forth during normal driving.

## REPAIR PROCEDURE

1. Check for DTCs.

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**Is there any DTC other than B10A3:86 set?****YES:** Follow the repair procedure for the other DTCs and retest.**NO:** Continue to the next step.

2. Clear the DTC, park the vehicle facing a wall inside the service shop, and then turn it off.

3. While observing the wall, start the vehicle and observe both headlight beams against the wall.

**Did both headlamps move back and forth during the startup self-check, and did DTC B10A3:86 remain cleared?****YES:** Release the vehicle.**NO:** Replace the affected headlamp and retest.

**NOTE:** The replacements are a non-modified part; you are replacing the headlamp because it correctly detected a problem. A new headlight can set the DTC in error. Repeat steps 2 and 3 to confirm the mechanical issue is resolved.

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