

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

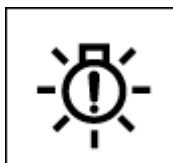
BULLETIN NOTES

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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