



TECHNICAL SERVICE BULLETIN

Illuminated MIL With DTC P052B Stored In The PCM

25-2416

29 August
2025

Model:

Lincoln 2024-2025 Nautilus	Hybrid
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Markets: North American markets only

Issue: Some of the vehicles listed in the Model statement above may exhibit an illuminated MIL with DTC P052B stored in the PCM. This may be due to the software in the PCM.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to update the PCM software.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Emissions Warranty/Service Part Warranty (SPW)/Service Part New Vehicle (SPNV)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/Emissions Warranty/SPW/SPNV/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2024-2025 Nautilus Hybrid: Retrieve DTCs And Reprogram The Appropriate Modules Following The Service Procedure (Do Not Use With Any Other Labor Operation)	AP252416A	Actual Time Up To 0.5 Hrs.

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	04

Service Procedure

1. Diagnose and repair the cause of DTC P052B outside of this article. Refer to WSM, Section 303-14A > Diagnosis and Testing > Variable Camshaft Timing (VCT) System.
2. Review the vehicle software information by selecting the Diagnostics tab > Vehicle Software in PTS. Does the PCM currently show software part no. RZ1A-14C204-GJ or SZ1A-14C204-CB?
 - (1). Yes - proceed to Step 3.
 - (2). No - this article does not apply. Repair is complete.

3. Connect a battery charger such as Rotunda GRX-3590 or DCA-8000 to the 12-volt battery.

NOTE: To prevent the battery saver mode from activating on the vehicle, make sure the negative cable of the charger is installed on a chassis or engine ground, and not the 12-volt battery negative terminal.

4. Reprogram the PCM using the latest version of the FDRS scan tool. Follow all on-screen instructions carefully to complete all required coordinated module software update(s), including:
 - SOBDMC
 - ABS module
 - BECM
5. Using FDRS, clear all DTCs.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.