



TECHNICAL SERVICE BULLETIN

3.0L PHEV - Illuminated MIL With DTCs U0100, P1A42 And/Or P1A43 Stored in BECM

21-2452

20 December
2021

Model:

Lincoln 2020-2021 Aviator	Engine: 3.0L PHEV
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Issue: Some 2020-2021 Aviator vehicles equipped with a 3.0L PHEV powertrain may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTCs) U0100, P1A42 and/or P1A43 stored in battery energy control module (BECM). This may be due to software in the PCM. To correct the condition, follow the service procedure to perform a coordinated flash on the powertrain control module (PCM), secondary on-board diagnostic module c (SOBDMC), anti-lock braking system (ABS) module, BECM, and battery charger control module (BCCM).

Action: Follow the Service Procedure steps to correct the condition on vehicles that meet all of the following criteria:

- 2020-2021 Aviator
- 3.0L PHEV engine
- Exhibits an illuminated MIL with DTC U0100, P1A42 and/or P14A3 stored in the BECM

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

Labor Times

Description	Operation No.	Time
2020-2021 Aviator PHEV: Reprogram The Appropriate Modules As Required By The Software Update And Service Procedure (Do Not Use With Any Other Labor Operations)	Actual Time	MT212452

Repair/Claim Coding

Causal Part:	RECALEM
Condition Code:	04

Service Procedure

1. Connect a battery charger 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. Do not have the vehicle plugged into the high voltage battery charger during programming. This can cause incorrect module programming. Make sure only the 12-volt battery charger is installed.

2. Reprogram the PCM using the latest software level of the Ford Diagnosis and Repair System (FDRS).

3. Check the availability of software updates on the following modules and update as required:

- (1). SOBDM
- (2). BECM
- (3). SOBDMC
- (4). ABS module

NOTE: Only one module may be updated at a time.

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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.