

**TECHNICAL SERVICE BULLETIN****Various Driver Assistance Feature Concerns And/Or IPMA DTCs U3000:49, U3000:89, U2107:68, C1001:54 And/Or C1001:78****22-2069**28 February  
2022**Model:**

<b>Ford</b> 2021 Mustang Mach-E	Built on or before 07-Jul-2021
2021 F-150	Built on or before 22-Jul-2021 at Dearborn Truck Plant Built on or before 08-Oct-2021 at Kansas City Assembly Plant

**Summary**

This article supersedes TSB 21-2249 to update the Service Procedure.

**Issue:** Some 2021 F-150 vehicles built on or before 22-Jul-2021 at Dearborn Truck Plant, 2021 F-150 vehicles built on or before 08-Oct-2021 at Kansas City Assembly Plant and Mustang Mach-E vehicles built on or before 07-Jul-2021 may exhibit various driver assistance system warning messages or inoperative features and/or diagnostic trouble codes (DTC) U3000:49, U3000:89, U2107:68, C1001:54 and/or C1001:78. This may be due to software in the image processing module A (IPMA). The revised IPMA calibration is currently not available.

**Action:** Follow the Service Procedure to confirm eligibility of the condition on vehicles that meet all of the following criteria:

- One of the following vehicles:
  - 2021 F-150 vehicles built on or before 22-Jul-2021 at Dearborn Truck Plant
  - 2021 F-150 vehicles built on or before 08-Oct-2021 at Kansas City Assembly Plant
  - 2021 Mustang Mach-E vehicles built on or before 07-Jul-2021
- At least one of the following concerns:
  - Front Camera Fault Service Required message
  - Pre-Collision Assist Not Available message
  - Reverse Brake Assist Not Available message
  - Lane-Keeping System Fault Service Required message
  - Collision Warning Not Available message
  - Check Front Park Aid message
  - Check Rear Park Aid message
  - Blind Spot System Fault message
  - Adaptive cruise control inoperative
  - Auto high beams inoperative
  - Traffic sign recognition inoperative
  - Front windshield camera alignment routine fails to complete
  - Diagnostic trouble codes (DTC) U3000:49, U3000:89, U2107:68, C1001:54 and/or C1001:78

**Warranty Status:** Information Only – Not Warrantable.

**Repair/Claim Coding**

Causal Part:	IN
Condition Code:	04

**Service Procedure**

1. Is only DTC U3000:49 present in the IPMA and does the vehicle also exhibit indications of a low battery voltage condition such as DTC U3003 present in other modules or an engine no crank/no start concern?

(1). Yes - this article does not apply. To clear the DTC, download and run the Reset the Image Processing Module A (IPMA) Learned Values application in Ford Diagnosis and Repair System (FDRS). Then run the Image

Processing Module A (IPMA) Alignment application immediately after. The IPMA should not be replaced for this condition. Check for OASIS messages for low battery voltage and continue with diagnostics for low battery voltage.

(2). No - proceed to Step 2.

**2. Are DTCs U2107:68 and/or U3000:89 present, and only present after performing an IPMA self-test?**

(1). Yes - this article does not apply. Clear the DTC and only perform diagnostics for U2107:68 and/or U3000:89 if these DTCs set outside of an IPMA self-test.

(2). No - proceed to Step 3.

**3. Revised IPMA calibration is not currently available. This condition does not affect vehicle durability and no additional diagnosis or service is required for this condition at this time. Inform customers that they can continue to drive the vehicle and engineering is currently working on a solution for this condition that is expected by the end of March 2022. Replacement or reprogramming of the IPMA will not resolve this condition. Monitor OASIS for additional information and schedule service appointments for customers once the repair becomes available.**

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