

TECHNICAL SERVICE BULLETIN

Reverse Brake Assistance Not Available Message And DTC B1578:78 Stored In The Image Processing Module A (IPMA) Cannot Be Cleared

23-2057

15 February
2023

Model:

2021 Mustang Mach-E - Battery Electric Vehicle (BEV) with High Voltage (HV) Technology	Year: 2021-2022 Build Date: Up to 28.10.2022 Assembly Plant: Cuautitlan (Mexico)
--	--

Markets: All European markets

Summary

Some Mustang Mach-E vehicles built up to 28.10.2022 equipped with the rear view camera system only may exhibit the <Reverse Brake Assistance Not Available> message and Diagnostic Trouble Code (DTC) B1578:78 stored in the Image Processing Module A (IPMA) that cannot be cleared.

This may be due to software in the Image Processing Module A (IPMA).

To rectify this concern, follow the Service Procedure to reprogram the IPMA to the latest level.

 **WARNING: Service of this electric vehicle is restricted to qualified personnel. The required qualifications vary by region. Always observe local laws and legislative directives regarding electric vehicle service. Failure to follow this instruction may result in serious personal injury or death.**

Labor Times

Description	Operation No.
Diagnostic Tool - Vehicle Connection/Communication - incl. select customer symptoms, reading & deleting fault codes in the relevant Ford Diagnosis and Repair System	29 099 0
External Power Supply - Connection (In Conjunction with Diagnostic Scan)	29 099 3
Module - Programming	actual time

Repair/Claim Coding

Causal Part:	A035310
Condition Code:	04

Service Instruction

NOTE: When performing the IPMA software update additional modules will receive software updates. Depending on vehicle features, the coordinated software update includes the IPMA, Power Steering Control Module (PSCM), Cruise Control Module (CCM) and/or Camera Module - Rear (CMR).

1. Connect Diagnostic Tool to the vehicle and establish communication (VID the vehicle).
 - Confirm the vehicle details are correct.
 - Read out any stored DTCs.
 - If DTC **B1578:78** is present in the Image Processing Module A (IPMA), go to next step.
 - If other DTCs are present, this TSB is NOT valid. Refer to the corresponding Diagnosis and Testing procedures on PTS and repair as required.
2. Clear any stored DTCs related to this concern.

3. Download and run the Reset the Image Processing Module A (IPMA) Learned Values application in Ford Diagnosis and Repair System (FDRS).
4. **NOTE: To prevent the battery saver mode from activating on the vehicle, verify that the negative cable of the charger is installed on a chassis or engine ground, and not the 12-volt battery negative terminal. Do not plug the vehicle into the high voltage battery charger during programming, this can cause modules to not program correctly. Only use the 12-volt battery charger during programming.**

Reprogram the Image Processing Module A (IPMA) using the latest software level of the appropriate Ford diagnostic scan tool. Follow all on-screen instructions carefully to complete all coordinated module software updates.
5. Perform the appropriate FDRS camera alignment procedure.
6. Perform the FDRS Image Processing Module A (IPMA) Alignment procedure.
7. Run the Instrument Panel Cluster (IPC) Configuration application in FDRS.
8. Clear DTCs and check if DTC B1578:78 is not present in the IPMA.
9. Disconnect the Diagnostic Tool and battery charger.

© 2023 Ford Motor Company

All rights reserved.

This bulletin represents technical service information only. Without exception all gratis repairs and replacements are subject to the individual warranty and policy procedures of the supervisory Ford Company. The illustrations, technical information, data and descriptive text in this issue, to the best of our knowledge, were correct at the time of publication.