

SSM 51866

2021-2023 Mustang Mach-E - Charge Status Indicator Blinking Red With DTC P0E5F Stored In The SOBDM

Some 2021-2023 Mustang Mach-E vehicles may exhibit an exterior charge status indicator blinking red with diagnostic trouble code (DTC) P0E5F stored in the secondary on-board diagnostic control module A (SOBDM) and the high voltage battery cannot be charged using a 48-amp AC level 2 charger. The vehicle may also exhibit in the next key cycle a Service Soon message in the instrument panel cluster (IPC) and a FordPass warning message. This may be due to an excessive charge port temperature. The concern may not be present when using a 32-amp or lower AC level 2 charger. To correct this condition, remove and replace the charge port. Refer to Workshop Manual (WSM) Section, 414-03B. For claiming, use causal part 14A303 and applicable labor times in Section 10 of the Service Labor Time Standards (SLTS) Manual.

----End SSM----

A faulty charge port can cause an overheat condition, P0E5F will be set when the charge port reaches 105°C. The charge port should be replaced to fix this level of overheating. Heat is proportional to charge current, so it may only overheat at 48A charge rate, but not 32A.

NOTE: As of this writing, P0E5F (105°C) will effectively not be set with the current SOBDM software, which limits charge port temp to 80°C through a derating strategy. 105°C will never be reached. A vehicle with a defective charge port will only experience a reduced charge rate, with no codes set (silent failure). Therefore I don't see this SSM being very helpful unless you are somehow still on the old SOBDM software that allowed overheat all the way to the 105°C cutoff threshold.