



SSM 53208 2022-2023 F-150 Lightning - Reduced Driving Range Projection And HV Battery Pack SOC - Unable To Reach Target SOC Using The Scheduled Charging Feature - No DTCs In The BECM

Some 2022-2023 F-150 Lightning vehicles may exhibit a reduced distance to empty (DTE) projection, a high voltage (HV) battery pack state of charge (SOC) that drops from 100% to less than 90% within 60 seconds of being driven, and an inability to reach a target SOC using the scheduled charging feature without any diagnostic trouble codes (DTCs) in the battery energy control module (BECM). This may be due to an issue in one or more cells within the HV battery pack. To correct the condition, run the "BECM Battery Health" application using the latest software version of the Ford Diagnosis and Repair System (FDRS). If any cells are identified as exceeding state of charge and/or capacity thresholds, refer to the Workshop Manual (WSM), Section 414-03A High Voltage Battery, Mounting and Cables > Diagnosis and Testing > High Voltage Battery, Mounting and Cables - Electric > Pinpoint Test AP > Step AP4 and continue diagnosis. If all cells are within state of charge and capacity thresholds or DTCs are present in the BECM, refer to the WSM for normal diagnosis. For claiming, use causal part 10D672 and applicable labor operations in Section 10 of the Service Labor Time Standards (SLTS) Manual.