

CERTAIN 2024 MODEL YEAR F-150 LIGHTNING BATTERY ELECTRIC VEHICLES — CHARGE PORT ACTUATOR REPLACEMENT

SERVICE PROCEDURE

IMPORTANT! The Service Technician Specialty Training (STST) Competency 10 certification requirement, for U.S. market only, will be enforced starting with repair orders opened on or after April 1, 2024. Field Service Action (FSA) repairs will reject if the repairing technician is not certified in STST Competency 10 FSA. See Electronic Field Communication (EFC) 14251 for more details.

IMPORTANT! This Field Service Action (FSA), must be performed by a certified BEV technician.



WARNING: Before beginning any service procedure in this section, refer to Safety Warnings in section 100-00 General Information. Failure to follow this instruction may result in serious personal injury.

NOTE: To prevent repeat concerns with the charge port lock actuator, fully press the charge port lock/release button before disconnecting the charge cord. See Figure 1. The charge port lock actuator may also be released through the vehicle's center display screen or pressing the release button located on the level 3 direct current (DC) fast charger.



FIGURE 1



1. De-energize the High Voltage System. Follow procedures in WSM Section 414-03A.
2. Remove the Charge Status Indicator (CSI) housing from the vehicle. Follow procedures in WSM Section 414-03B.
3. Remove the charge port bolts (1) and detach the charge port from the mounting bracket (2). See Figure 2.

• Torque: 93 lb.in (10.5 Nm)

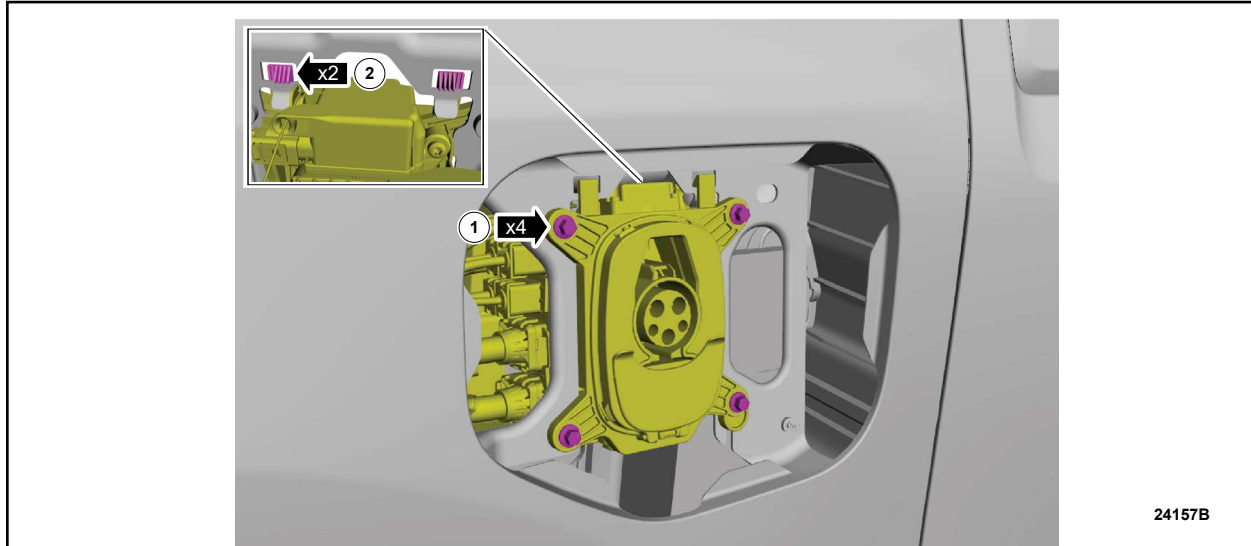


FIGURE 2



4. Disconnect the electrical connector from the charge cord lock release actuator (1). Detach the cable from the charge cord lock release actuator (2). See Figure 3.

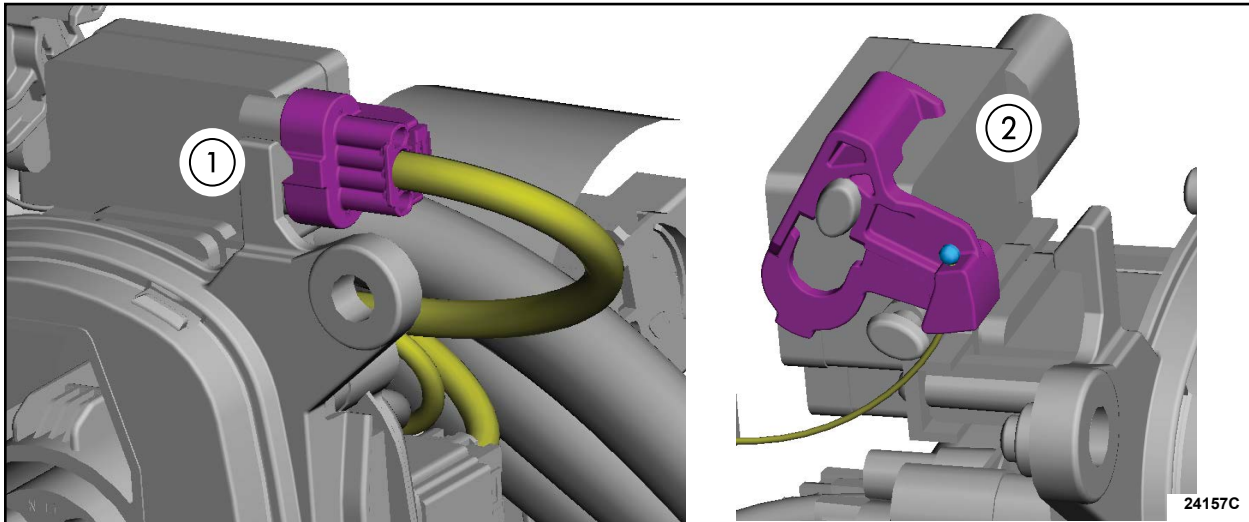


FIGURE 3

5. Remove the charge port cable bolt. See Figure 4. Lower the charge port assembly for easier access.

- Torque: 80 lb.in (9 Nm)

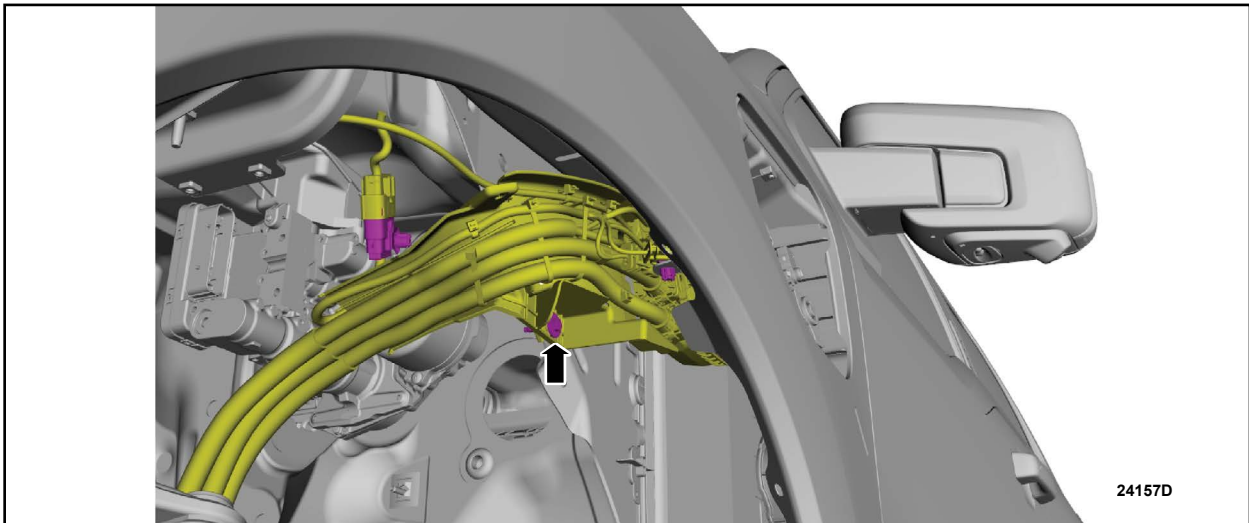


FIGURE 4



6. Remove the bolts and the charge cord lock release actuator. See Figure 5.

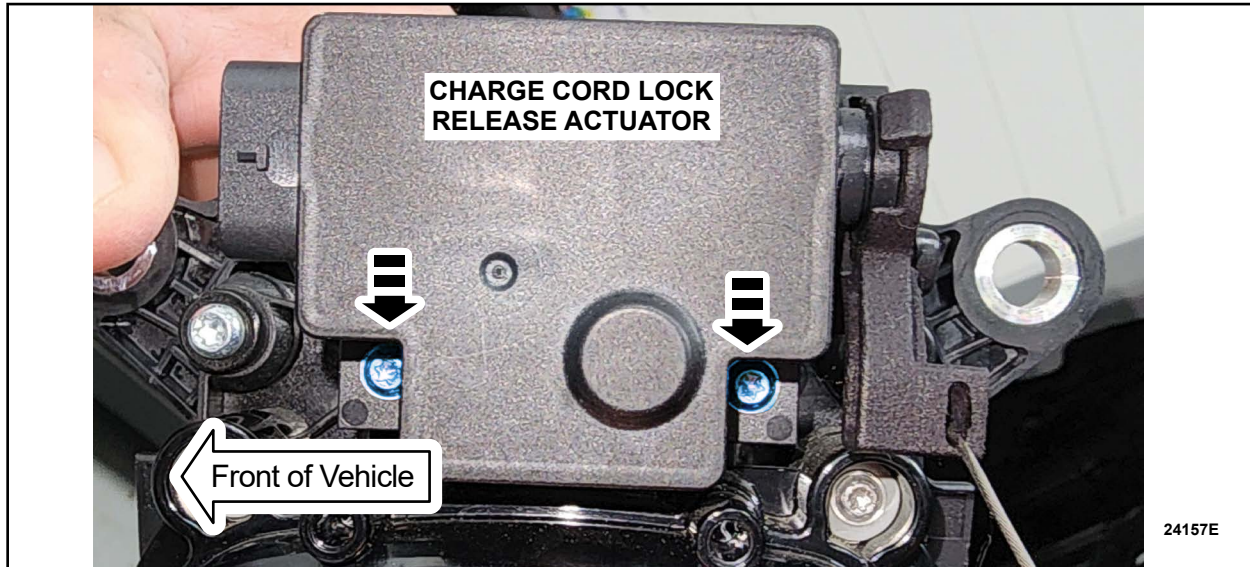


FIGURE 5

7. Install *new* charge cord lock release actuator.

- Torque: 11 lb.in (1.2 Nm)

8. Reverse removal procedure to assemble vehicle.

IMPORTANT NOTE: Federal law prohibits selling motor vehicle parts or components that are under safety, compliance, or emissions recall. Unless a part is requested to be returned to Ford, all parts replaced under this FSA must be scrapped in accordance with all applicable local, state and federal environmental protection and hazardous material regulations. Refer to the Parts Retention, Return, & Scrapping section of the FSA dealer bulletin for further information.

