

## CERTAIN 2021-2022 MODEL YEAR MUSTANG MACH-E — ELECTRIC PARKING BRAKE WIRE REPAIR

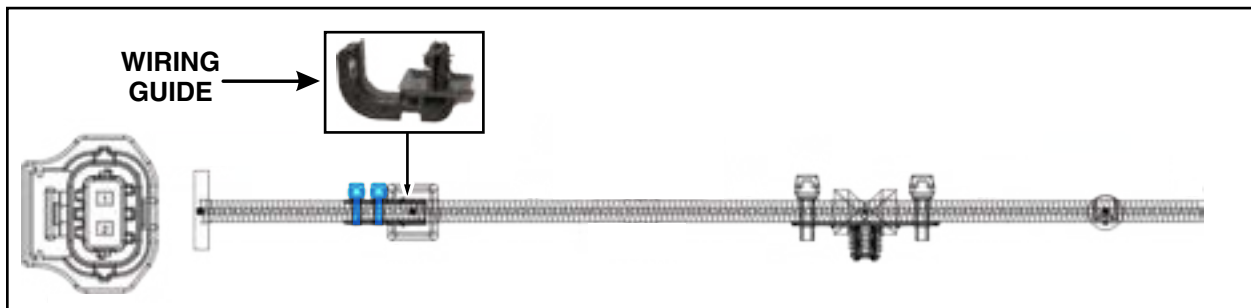
### SERVICE PROCEDURE

1. Activate the brake service mode. Please follow Workshop Manual (WSM) procedures in Section 206-00.
2. Remove the rear wheels and tires. Please follow WSM procedures in Section 204-04A.
3. Disconnect the Electronic Parking Brake (EPB) connector from the back of the rear caliper of the vehicle.

**NOTE:** All photos are on the right side rear caliper. Left side similar.

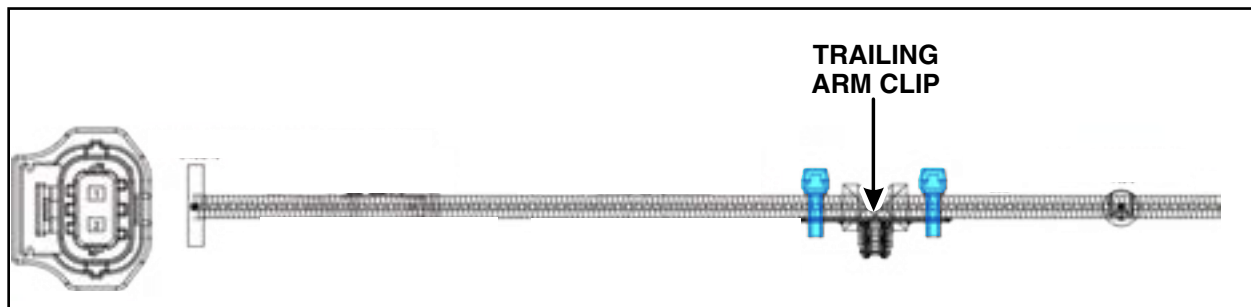
4. Detach the wiring guide and remove the tie straps securing the retainers to the harness. See Figure 1.

**NOTE:** Save the wiring guide for use during reassembly.



**FIGURE 1**

5. Separate the trailing arm clip from the trailing arm. Remove the tie straps securing the clip to the harness. See Figure 2.



**FIGURE 2**



6. Remove the tie strap connecting the retaining clip to the harness. Then, using a small screwdriver, remove the white retaining clip from the connector. See Figure 3.

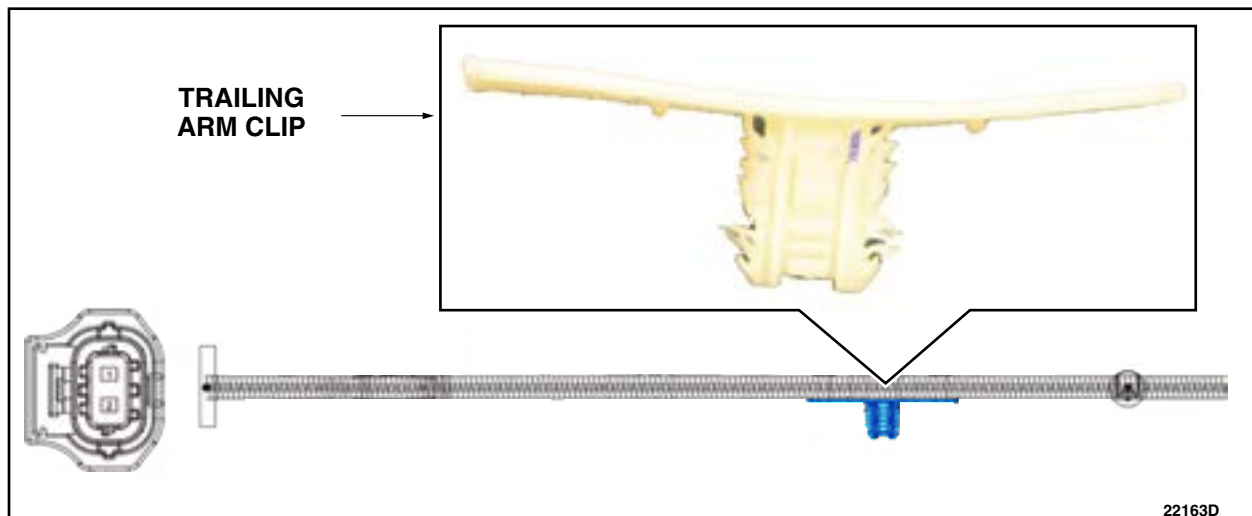
**NOTE:** Save the clip for use during reassembly.



**FIGURE 3**

7. Remove the tape for 310mm (12.2 in). Remove and retain the trailing arm clip for reassembly. See Figure 4.

**NOTE:** Avoid cutting into the conduit as it will be used during reassembly.

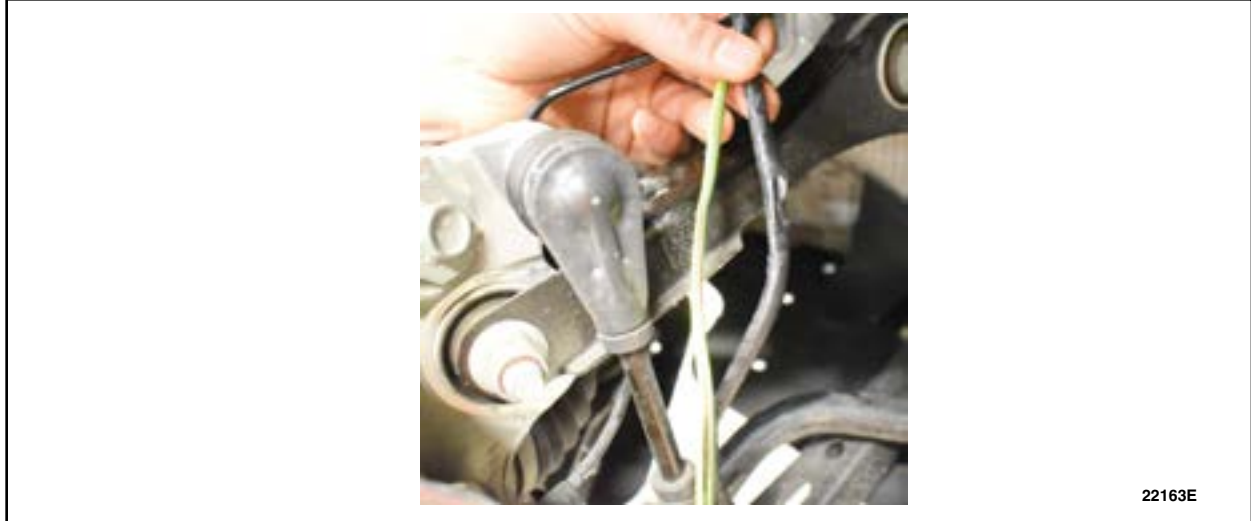


**FIGURE 4**



8. Starting near the connector, remove the wire from the conduit as far back as the tape has been removed. See Figure 5. Take care to not cut the conduit as it will be reused.

**NOTE:** Avoid cutting into the conduit as it will be used during reassembly.



**FIGURE 5**

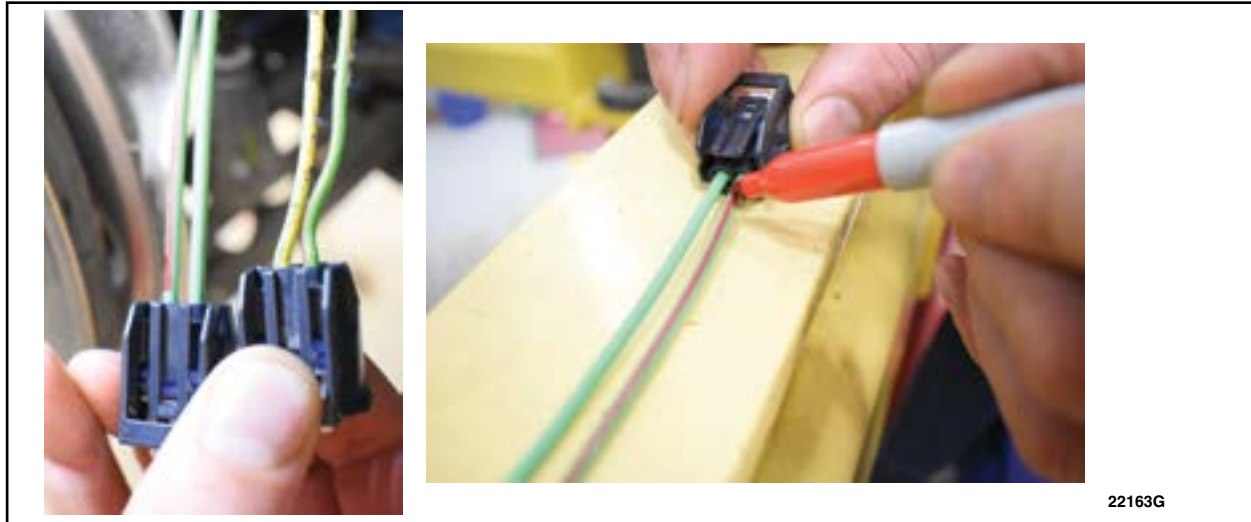
9. Starting at the connector, measure 300mm (11.8 in) back and mark the wires. See Figure 6.



**FIGURE 6**



10. Position connectors in the same orientation. Mark the left hand (LH) wire using a marker. This marked wire will go in the position of the corresponding wire on the LH side. See Figure 7.



**FIGURE 7**

11. Before installing the *new* connector, it is recommended to bend the wires at the connector so that the clip will seat better to the *new* connector. See Figure 8.

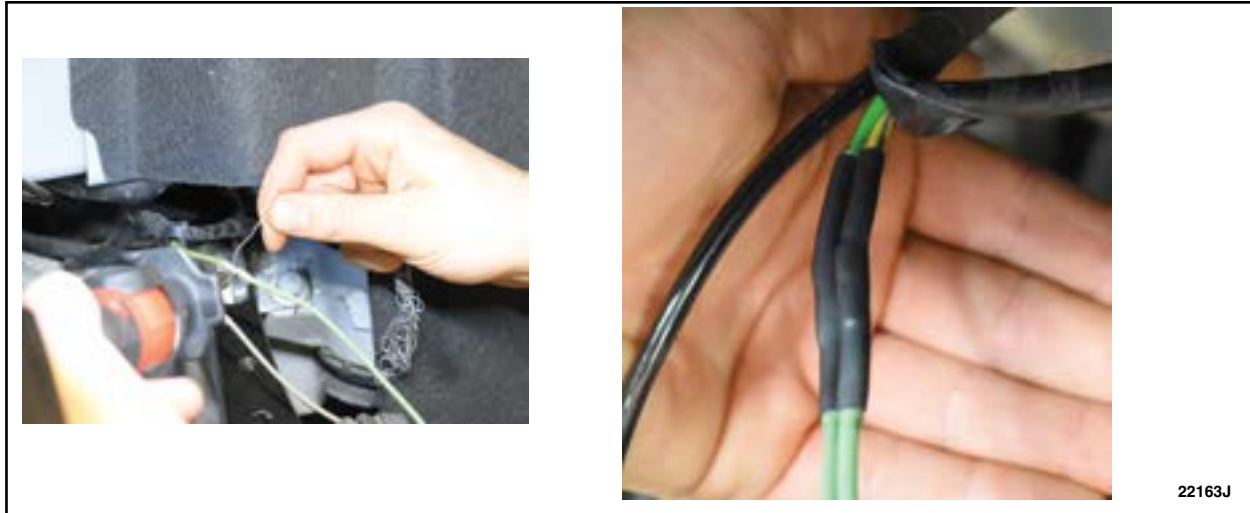


**FIGURE 8**



12. Replace the connector following the repair procedures in Cell 005 of the Wiring Diagrams on Professional Technician System (PTS), using the butt connectors and shrink tube contained in the repair kit. See Figure 9.

**NOTE:** Be sure to solder the crimp connection after attaching to both wire ends.



**FIGURE 9**

13. Reinstall the conduit and trim back 10mm (0.4in) from the connector. See Figure 10.



**FIGURE 10**



14. Using coroplast tape, tape the harness. Measure 235mm (9.25in) from the back of the connector and install the trailing arm clip, being sure to use the coroplast tape to secure the trailing arm clip. Secure the trailing arm clip with 2 tie straps. See Figure 11.

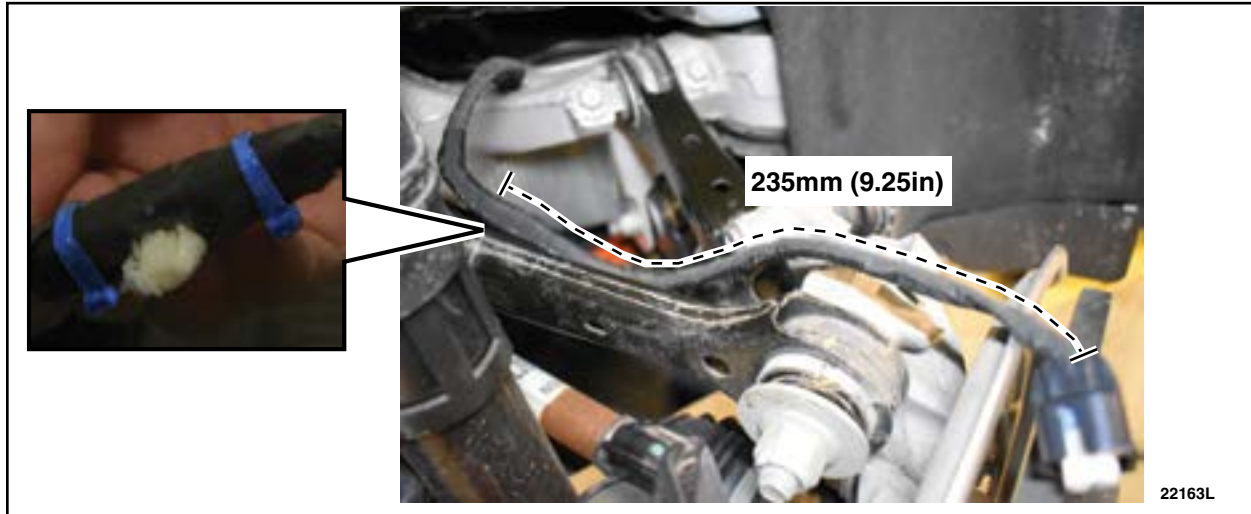


FIGURE 11

15. Reinstall the wiring guide with 2 tie straps, 105mm (4.1in) from the back of the connector. See Figure 12.

**NOTE:** Conduit must NOT end in the curve before the connector. It may end either before or after (end of the connector back cover).

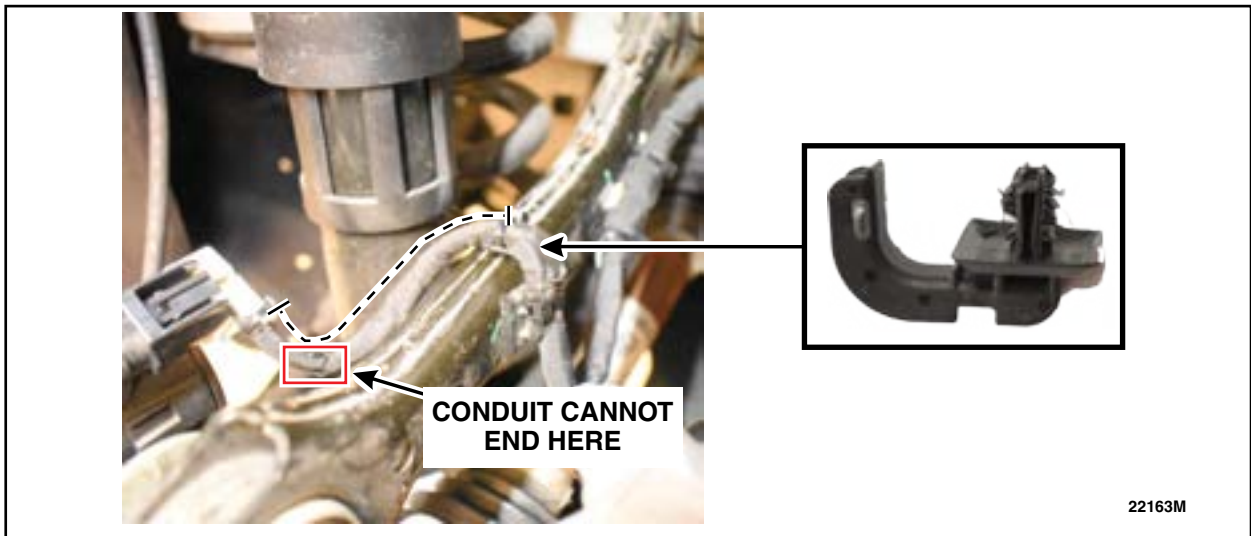
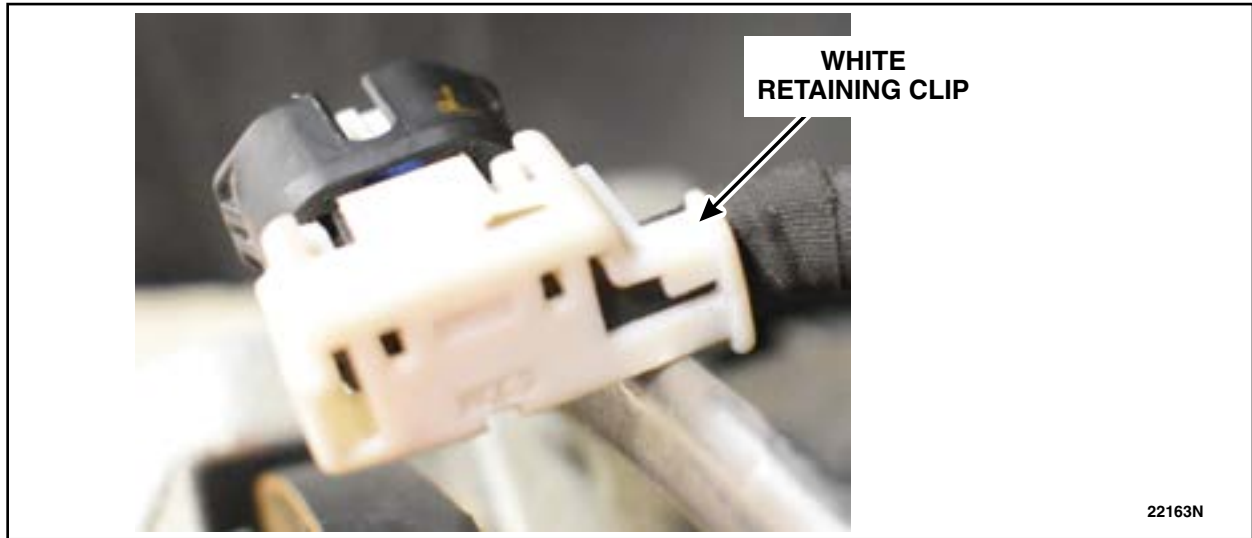


FIGURE 12



16. Reinstall the white retaining clip and be sure that it clips firmly into place. See Figure 13.



**FIGURE 13**

17. Reinstall the last tie strap that secures the white retaining clip to the harness. See Figure 14.



**FIGURE 14**

18. Connect the EPB connector to the back of the rear caliper of the vehicle.

19. Repeat steps 3-18 for opposite side.

20. Verify parking brake functionality.

21. Program is complete.

