



TECHNICAL SERVICE BULLETIN

Parking Brake Fault Service Now Message In IPC - DTCs C2008, C2007, C1034, U0293 And/Or U0100 - Built On Or Before 15-Mar-2022

22-2143

21 April 2022

Model:

| | |
|---|--------------------------------|
| Ford 2021-2022 Mustang Mach-E | Built on or before 15-Mar-2022 |
|---|--------------------------------|

Issue: Some 2021-2022 Mustang Mach-E vehicles built on or before 15-Mar-2022 may exhibit a Parking Brake Fault Service Now message in the instrument panel cluster (IPC) and DTCs C2007, C2008, C1034, U0293 and/or U0100 in the anti-lock brake system (ABS) module. This may be due to an open/corroded circuit near the rear brake caliper. To correct the condition, follow the Service Procedure to replace the electronic parking brake (EPB) connector.

Action: Follow the Service Procedure steps to repair vehicles that meet all of the following criteria:

- 2021-2022 Mustang Mach-E
- Built on or before 15-Mar-2022
- At least one of the following:
 - Parking Brake Fault Service Now message in the IPC
 - DTCs C2007, C2008, C1034, U0293 and/or U0100

Parts

| Service Part Number | Quantity | Description | Note |
|---------------------|-----------|--|---------------------|
| NAI837X | As Needed | Coroplast Electrical Wire Harness Tape | Rotunda part number |
| Obtain Locally | As Needed | Zip Ties | |

As Needed indicates the amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

Parts

Parts To Inspect And Replace Only If Necessary

| Service Part Number | Quantity | Description | Unit of Issue | Piece Quantity |
|---------------------|----------|---------------|---------------|----------------|
| AU2Z-14S411-DB | 2 | Connector Kit | 1 | 2 |

Quantity refers to the amount of the service part number required to repair the vehicle.

Unit of Issue refers to the number of individual pieces included in a service part number package.

Piece Quantity refers to the total number of individual pieces required to repair the vehicle.

If Needed indicates the part is not mandatory.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Service Part Warranty (SPW)/Special Service Part (SSP)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SSP/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

| Description | Operation No. | Time |
|--|---------------|----------|
| 2021-2022 Mustang Mach-E: Retrieve DTCs Inspect Wiring (Pass) (Do Not Use With Any Other Labor Operations) | 222143A | 0.6 Hrs. |
| 2021-2022 Mustang Mach-E: Retrieve DTCs Inspect Wiring (Fail) And Replace One (1) Connector Following The Service Procedure (Do Not Use With Any Other Labor Operations) | 222143B | 1.4 Hrs. |

Repair/Claim Coding

| | |
|-----------------|--------|
| Causal Part: | 14A411 |
| Condition Code: | 28 |

Service Procedure

NOTE: This repair applies to either side.

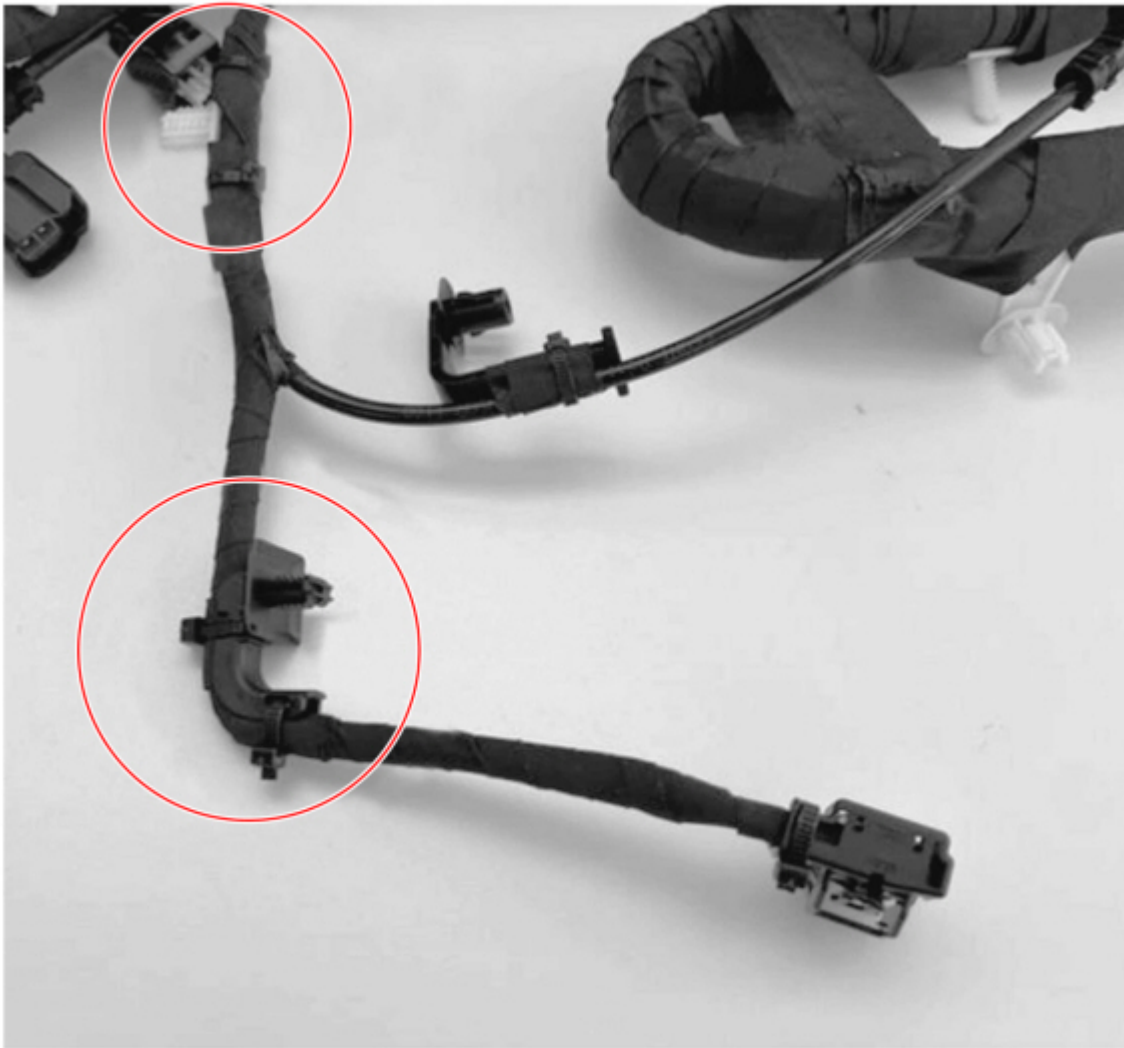
1. Remove both rear tires. Refer to Workshop Manual (WSM), Section 204-04A.
2. Remove the tape and the conduit on the wiring harness to both the left/right rear brake calipers.
3. Inspect the wiring for damage or open circuit. Is there a damaged or open circuit? (Figure 1)
 - (1). Yes - proceed to Step 4.
 - (2). No - proceed to Step 9.

Figure 1



4. Disconnect the EPB connector (left C4CB16, right C4CB18) from the back of the rear brake caliper(s).
5. Detach the clips retaining the harness to the trailing arm. (Figure 2)

Figure 2



E384401

6. Remove the tie straps securing the retainers to the harness.

7. Starting near the connector, remove the conduit for approximately 12 in. (30 cm)

NOTE: EPB circuits are polarized. Inverted circuit location can result in incorrect operation. Refer to the connector chart.

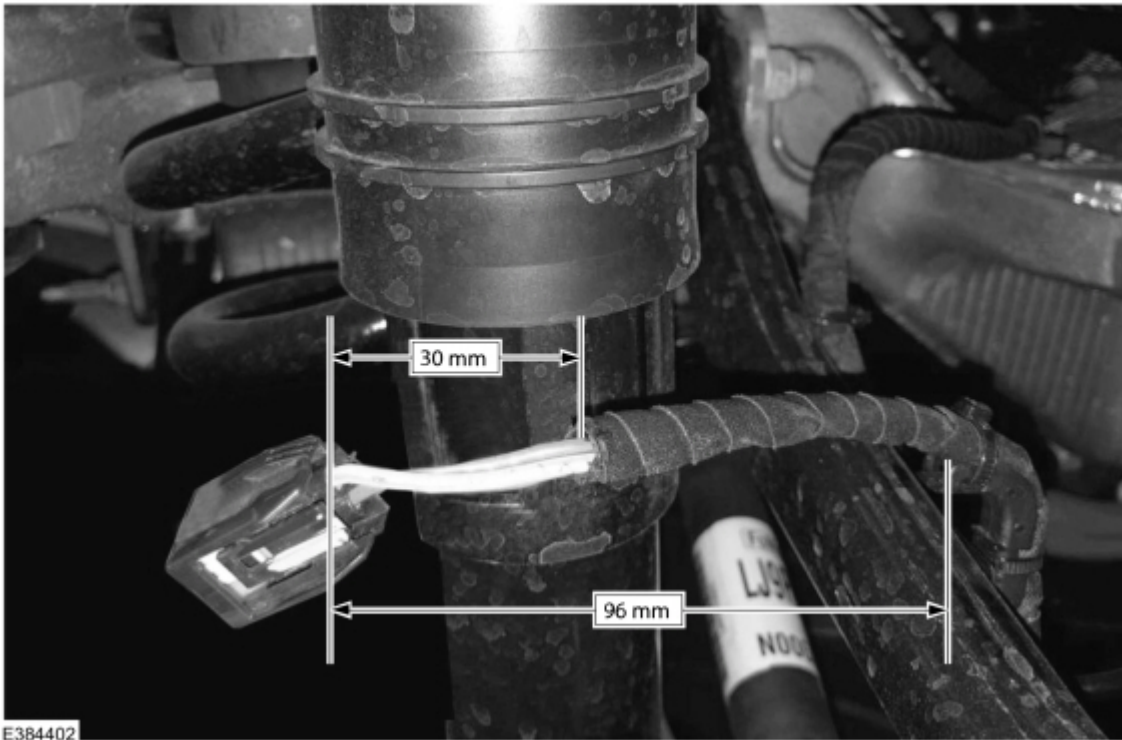
Connector Chart

| Connector | Pin | Circuit | Color |
|----------------|-----|---------|-------|
| Left - C4CB16 | 1 | CCB17B | BU/GN |
| Left - C4CB16 | 2 | CCB16B | WH/VT |
| Right - C4CB18 | 1 | CCB19B | GN/BN |
| Right - C4CB18 | 2 | CCB18B | YE/GY |

8. Replace the connector(s) following the repair procedures in Cell 005 of the Wiring Diagrams on Professional Technician System (PTS).

9. Reinstall the conduit and trim the conduit length 1.2 in.(30 mm) from EPB connector (left C4CB16, right C4CB18). (Figure 3)

Figure 3



10. Tape the wiring harness.
11. Install the tie straps securing the retainers to the harness with elbow retainer in proper length 3.5 in. (96 mm) from the EPB connector (left C4CB16, right C4CB18). (Figure 3)
12. Attach the clips to the trailing arm.
13. Connect the EPB connector.
14. Install both rear tires. Refer to WSM, Section 204-04A.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.