



# TECHNICAL SERVICE BULLETIN

24-2104

## Sta-Bar Disconnect Service Required Message In The Instrument Panel Cluster, With DTCs C103A, C1A99, C1B03, C1B07, C1B14 And/Or B1A67

10 April 2024

This bulletin supersedes 23-2400. Reason for update: to update the Parts List

### Model:

Ford  
2021-2023 Bronco

**Markets:** Published by Ford North America

**Issue:** Some 2021-2023 Bronco vehicles may encounter a **Sta-bar Disconnect Service Required** message in the IPC and an illuminated warning light with any of the following DTCs stored in the CHCM: C103A, C1A99, C1B03, C1B07, C1B14 and/or B1A67. To correct the condition, follow the Service Procedure to address water intrusion and reprogram the CHCM using the latest software version of the FDRS scan tool.

**Action:** Follow the Service Procedure to correct the condition on vehicles that meet all of the following criteria:

- 2021-2023 Bronco
- Equipped with a factory front stabilizer bar disconnect
- **Sta-bar Disconnect Service Required** message in the IPC
- Any of the following DTC stored in the CHCM: C103A, C1A99, C1B03, C1B07, C1B14 and/or B1A67

### Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
MB3Z-5482-X	1	1	1	Front Stabilizer Bar Disconnect
NB3Z-5482-B	1	1	1	3.0L Front Stabilizer Bar Disconnect
W720940-S440	4	1	4	Front Stabilizer Bar Nut
W520214-S440	2	1	2	Stabilizer Bar Mounting Nut
W721449-S439	2	1	4	Stabilizer Bar Mounting Bolt
W721041-S439	2	1	4	Stabilizer Bar Mounting Stud
MB3Z-2B325-EM	1	1	1	Wire Harness - Stabilizer Bar Disconnect
MB3Z-2B325-B	1	1	1	3.0L Wire Harness - Stabilizer Bar Disconnect
MB3Z-2B325-EL	1	1	1	Wire Harness - Body
W717376-S439B	4	1	4	Skid Plate Bolts

### Parts - Parts To Inspect And Replace Only If Necessary

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
XG-12	Only If Necessary (1 possible)	Only If Necessary	1	Motorcraft® Electrical Grease
KU2Z- 14S411-AAA	Only If Necessary (1 Possible)	Only If Necessary	1	CHCM - Service Pigtail Connector
MB3Z-14D663-A	Only If Necessary (1 Possible)	Only If Necessary	1	Chassis Control Module

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

Package Order Quantity refers to the amount of the service part number package(s) required to repair the vehicle.

Number In Package refers to the number of individual pieces included in a service part number package.

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.

Only If Necessary 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
2021-2023 Bronco: Retrieve DTCs, Inspect And Apply Electrical Grease Following The Service Procedure, Includes Time To Reprogram The CHCM (Can Be Claimed With Operation B, C, And D)	242104A	1.1 Hrs.
Additional Time To Replace The Stabilizer Disconnect Harness And Front Stabilizer Bar Disconnect (Can Be Claimed With Operation A, C And D)	242104B	1.1 Hrs.
Additional Time To Replace The Stabilizer Disconnect Harness And Body Harness (Can Be Claimed With Operation A, B And D)	242104C	0.8 Hrs.
Additional Time To Replace The Connector With A Service Pigtail and Replace the CHCM (Can Be Claimed With Operation A, B, And C)	242104D	1.8 Hrs.

### Repair/Claim Coding

Causal Part:	2B325
Condition Code:	X2

### Service Procedure

- Is water or corrosion present in any of the following connectors: C1295A, C1295B, C1294A, and/or C1294B?
  - Yes - replace the front stabilizer bar disconnect harness and the front stabilizer bar disconnect. Refer to WSM, Section 204-01. Apply electrical grease or equivalent into all 4 connectors. Proceed to Step 2.
  - No - apply electrical grease or equivalent into all 4 connectors. Proceed to Step 2.
- Is water or corrosion present in either side of connector C1415?
  - Yes - replace the front stabilizer bar disconnect harness and body harness. Apply electrical grease or equivalent into connector C1415. Proceed to Step 3.
  - No - apply electrical grease or equivalent into connector C1415. Proceed to Step 3.
- Is water or corrosion present in connector C445?
  - Yes - replace connector C445 with a service pigtail kit and the CHCM. Refer to WSM, Section 204-01. Apply electrical grease or equivalent into connector C445. Proceed to Step 4.
  - No - apply electrical grease or equivalent into connector C445. Proceed to Step 4.
- Reprogram the CHCM using the latest software version of the FDRS scan tool.

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.