



TECHNICAL SERVICE BULLETIN

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

23-2400

05 December
2023

This bulletin supersedes 23-2086.

Model:

Ford 2021-2023 Bronco

Summary

This article supersedes TSB 23-2086 to update the parts list.

Issue: Some 2021-2023 Bronco vehicles may encounter a Sta-bar Disconnect Service Required message in the instrument panel cluster and an illuminated warning light with any of the following diagnostic trouble codes (DTCs) stored in the chassis control module (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.

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 instrument panel cluster
- Any of the following DTCs stored in the CHCM: C103A, C1A99, C1B03, C1B07, C1B14 and/or B1A67

Parts

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

Parts - Parts to Inspect And Replace Only If Needed

Service Part Number	Quantity	Description	Unit of Issue	Piece Quantity
MB3Z-14D663-A	1	Chassis Control Module	1	1
KU2Z- 14S411-AAA	1	CHCM - Service Pigtail Connector	1	1
XG-12	1	Motorcraft® Electrical Grease		

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.

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.

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
2021-2023 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)	232400A	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)	232400B	1.1 Hrs.
Additional Time To Replace The Stabilizer Disconnect Harness And Body Harness (Can Be Claimed With Operation A, B And D)	232400C	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)	232400D	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 Workshop Manual (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 Ford Diagnosis and Repair System (FDRS) scan tool.

© 2023 Ford Motor Company
All rights reserved.

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.