



TECHNICAL SERVICE BULLETIN

Sta-Bar Disconnect Service Required Message In The Instrument Panel Cluster - With DTCs C103A, C1A99, C1B03, C1B07, C1B14 And/Or B1A6

23-2086

01 September
2023

This bulletin supersedes 23-2006.

Model:

Ford 2021-2023 Bronco

Summary

This article supersedes TSB 23-2006 to update the vehicle model years affected and 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	Claim Quantity	Package Order Quantity	Number in Package	Description
W717376-S439B	4	1	4	Skid Plate Bolts
XG-12		As Needed		Motorcraft® Electrical Grease

Parts - Parts To Inspect And Replace Only If Necessary

Service Part Number	Package Order Quantity	Number in Package	Description
KU2Z-14S411-AAA	If Needed	1	Chassis Control Module - Service Pigtail Connector
MB3Z-14D663-A	If Needed	1	Chassis Control Module
MB3Z-5482-X	If Needed	1	Front Stabilizer Bar Disconnect
W720940-S440	If Needed	4	Front Stabilizer Bar Nut
W520214-S440	If Needed	2	Stabilizer Bar Mounting Nut
W721449-S439	If Needed	4	Stabilizer Bar Mounting Bolt
W721041-S439	If Needed	4	Stabilizer Bar Mounting Stud
MB3Z-2B325-EM	If Needed	1	Wire Harness - Stabilizer Bar Disconnect
MB3Z-2B325-EL	If Needed	1	Wire Harness - Body

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)	232086A	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)	232086B	1.1 Hrs.
Additional Time To Replace The Stabilizer Disconnect Harness And Body Harness (Can Be Claimed With Operation A, B And D)	232086C	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)	232086D	1.8 Hrs.

Repair/Claim Coding

Causal Part:	2B325
Condition Code:	X2

Service Procedure

1. Is water or corrosion present in any of the following connectors: C1295A, C1295B, C1294A, and/or C1294B?
 - (1). 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.
 - (2). No - apply electrical grease or equivalent into all 4 connectors. Proceed to Step 2.
2. Is water or corrosion present in either side of connector C1415?
 - (1). Yes - replace the front stabilizer bar disconnect harness and body harness. Apply electrical grease or equivalent into connector C1415. Proceed to Step 3.
 - (2). No - apply electrical grease or equivalent into connector C1415. Proceed to Step 3.
3. Is water or corrosion present in connector C445?
 - (1). 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.
 - (2). No - apply electrical grease or equivalent into connector C445. Proceed to Step 4.
4. Reprogram the CHCM using the latest software version of the Ford Diagnosis and Repair System (FDRS) scan tool.

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