



TECHNICAL SERVICE BULLETIN

Neutral (4-Wheel Flat) Towing - Inconsistent Brake Feel Through The Supplemental Brake System

22-2360

19 September
2022

This bulletin supersedes 22-2210.

Model:

Ford 2021-2022 Bronco

Summary

This article supersedes TSB 22-2210 to update the expected release date of the revised ABS module software.

Issue: Customers who neutral (4-wheel flat) tow 2021-2022 Broncos equipped with an electronic brake booster (EBB) may report an inconsistent brake assist when a supplemental braking system has been installed. This may result from supplemental brake system set-up that does not account for the Bronco's EBB system entering sleep mode (via the ABS module) after a pre-determined period of time following vehicle shut-down. This functionality is necessary to prevent battery drain. Enhanced software is under development to address this condition when the vehicle enters Neutral Tow mode. The new software is expected to be available in December 2022. Monitor OASIS for updates. Until the software becomes available, customers who meet this criteria may perform the procedures below to address this condition when neutral (4-wheel flat) towing their vehicle.

Action: Follow the Service Procedure steps as a temporary resolution on vehicles that meet all of the following criteria:

- 2021-2022 Bronco
- Equipped with EBB
- Customer using a supplemental brake system to recreational tow their vehicle

Warranty Status: Information Only – Not Warrantable.

Repair/Claim Coding

Causal Part:	IN
Condition Code:	04

Service Procedure

Procedure For Entering Neutral Tow Mode

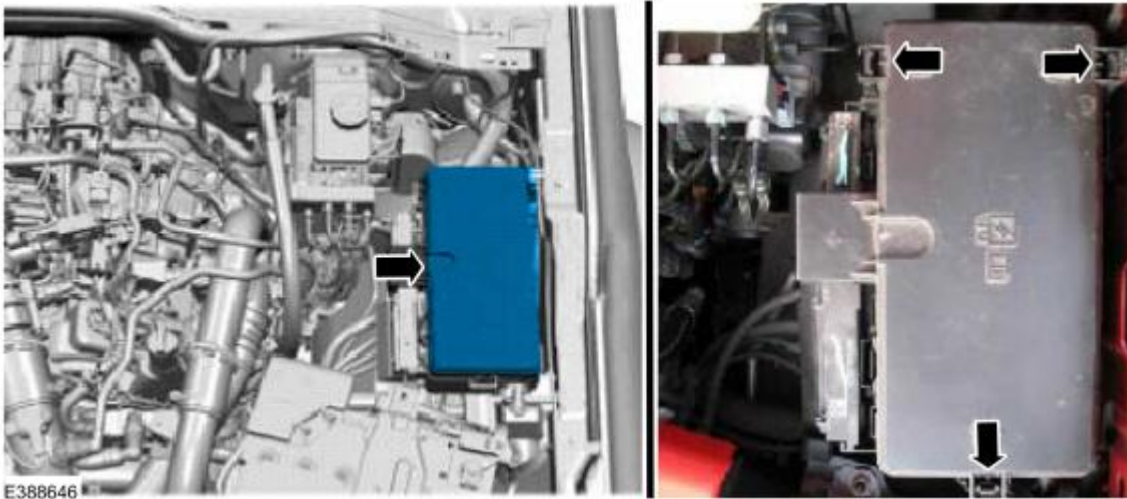
1. Place the vehicle into Neutral Tow mode by following the instructions located in the vehicle's Digital Owner's Manual by using the center touch screen and selecting Features > Owner's Manual > Driving and Operating > Towing Your Vehicle > Recreational Towing Your Vehicle – Automatic Transmission.



CAUTION: Follow all safety precautions and notes during the procedure. Once Neutral Tow mode has been activated turn off the vehicle. Do not continue this procedure until the vehicle successfully enters Neutral Tow mode.

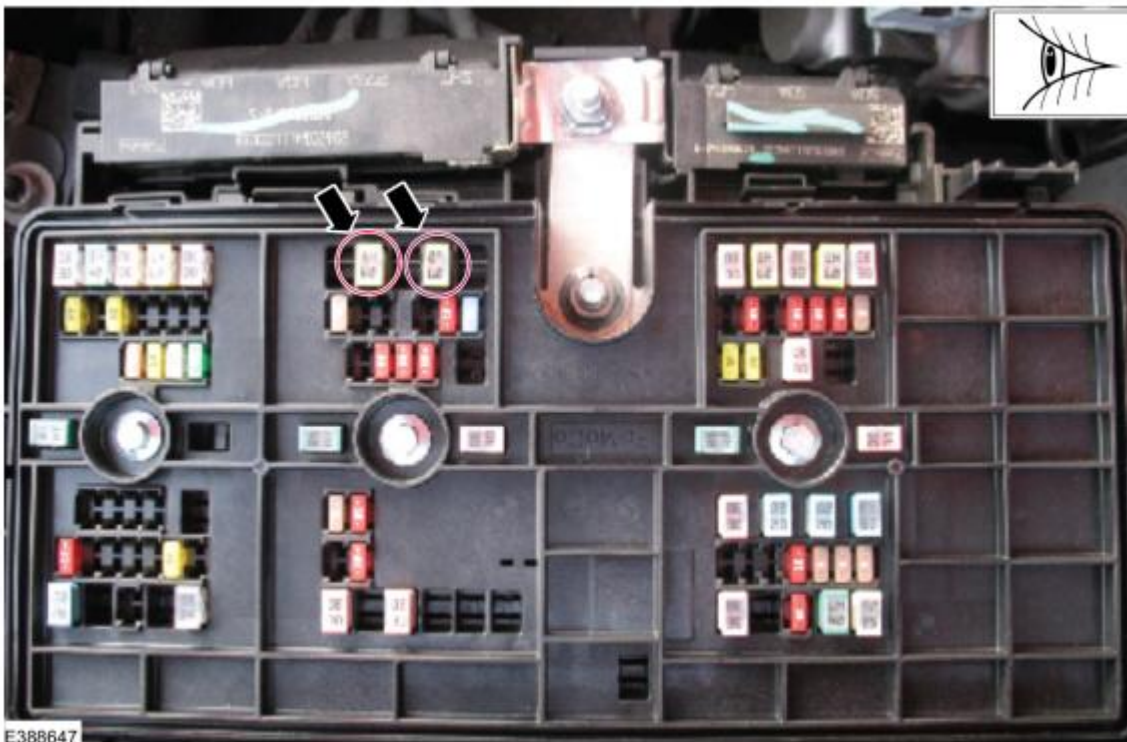
2. Open the hood to gain access to the engine compartment.
3. Close all passenger doors and wait 5 minutes to allow the vehicle to enter sleep mode.
4. Locate the under hood fuse box and remove the top plastic cover by disengaging the three push tabs. (Figure 1)

Figure 1



5. Locate both 60-amp fuses 28 and 29 located in the under hood fuse box and carefully remove them using needle nose pliers. Once removed, store both fuses in a safe place for later reinstallation. (Figure 2)

Figure 2



6. Reinstall the top plastic cover onto the under hood fuse box. (Figure 1)

7. Close the hood.

8. Install the supplemental braking system on the vehicle following the instructions provided by the manufacturer.

Procedure For Exiting Neutral Tow Mode

NOTE: Be sure that the vehicle is safely secured to the towing vehicle before proceeding.

1. Remove the supplemental braking system from the vehicle following the instructions provided by the manufacturer.
2. Make sure the vehicle is still OFF then open the hood to gain access to the engine compartment.
3. Close all passenger doors and wait 5 minutes to allow the vehicle to enter sleep mode.
4. Locate the under hood fuse box and remove the top plastic cover. (Figure 1)
5. Use needle nose pliers to carefully install fuses 28 and 29 into their proper locations within the under hood fuse box. (Figure 2)

6. Reinstall the top plastic cover onto the under hood fuse box. Refer to Figure 1.
7. Close the hood.
8. Remove the vehicle from Neutral Tow mode by following the instructions located in the vehicle's Digital Owner's Manual by using the center touch screen and selecting Features > Owner's Manual > Driving and Operating > Towing Your Vehicle > Recreational Towing Your Vehicle – Automatic Transmission.

NOTE: If the vehicle is turned ON while fuses 28 and 29 are removed, warnings may display within the instrument panel cluster (IPC). These warnings may continue to show on the first 1-2 key cycles after the fuses have been installed. If this happens, allow the vehicle to enter sleep mode by letting it sit in the OFF position with the hood and doors closed for at least 5 minutes. If faults continue to occur, all diagnostic trouble codes (DTCs) must be cleared using Ford Diagnosis and Repair System (FDRS).

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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.