



TECHNICAL SERVICE BULLETIN

24-2117

23 April 2024

Non-Lightning - Equipped With Minor Feature Codes C2BAW And FDDAA - Intermittent Trailer Brake System Fault See Manual Message In The IPC, Inoperative Trailer Brake Controller, And/Or DTCs U0131:87, U0140:87, U0100:87 And/Or U0121:87 Stored In The TRM When Installing The Trailer Brake Controller Kit

Model:

Ford	non-Lightning
2024 F-150	

Markets: North American markets only

Issue: Some 2024 F-150 non-Lightning vehicles equipped with minor feature codes C2BAW and FDDAA may exhibit an intermittent **Trailer Brake System Fault See Manual** message in the IPC, inoperative trailer brake controller, and/or DTCs U0131:87, U0140:87, U0100:87 and/or U0121:87 stored in the TRM when installing the trailer brake controller kit ML3Z-19H332-AB. To confirm a vehicle is built with a certain minor feature code, review the build information by double-clicking the VIN in the upper left corner in the PTS. Trailer brake controller kit ML3Z-19H332-AB does not include the correct TRM for 2024 F-150 vehicles, and this kit should not be installed on 2024 F-150 vehicles. To correct this condition, follow the Service Procedure to bring the vehicle to its original state and successfully install the trailer brake controller.

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

- 2024 F-150 non-Lightning
- equipped with minor feature codes C2BAW and FDDAA
- One of the following symptoms after installing the trailer brake controller kit ML3Z-19H332-AB:
 - Intermittent **Trailer Brake System Fault See Manual** message in the IPC
 - Inoperative trailer brake controller
 - DTCs U0131:87, U0140:87, U0100:87 and/or U0121:87 stored in the TRM

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
RL3Z-19H332-A	1	1	1	Trailer 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.

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
2024 F-150: Retrieve DTCs Reinstall Original TRM Run The IPC And TRM Configurations Follow Service Procedure And Instruction Sheet To Complete The Installation (Do Not Use With Any Other Labor Operations)	MT242117	Actual Time

Repair/Claim Coding

Causal Part:	19H332
Condition Code:	38

Service Procedure

1. Reinstall the TRM originally installed onto the vehicle from the factory. Refer to the WSM, Section 417-01 Exterior Lighting, Removal and Installation.
2. Run the IPC - Towbar Configuration application using the latest software level of the FDRS scan tool.
3. Run the TRM - Towbar Configuration application using the latest software level of the FDRS.
4. To successfully install the trailer brake controller onto the vehicle, use the TRM service part number RL3Z-19H332-A (not the TRM that came with trailer brake controller kit ML3Z-19H332-AB) and follow instruction sheet SKML3J-19H332-AB for installation. To access the instruction sheet on PTS, refer to Workshop > Accessories > Installation > Electrical > (2021-CMY) F150 Trailer Brake Control with Factory IV Hitch. Use the trailer brake switch (ML3Z-14529-AC) that came with the trailer brake controller kit ML3Z-19H332-AB to continue the installation.

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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.