



TECHNICAL SERVICE BULLETIN
Gear Shift Module Concerns

25-2324
16 July 2025

This bulletin supersedes 25-2276. Reason for update: update the service procedure to include information where to find connector/pin location in wiring diagram and WSM info to perform PMI and TRON for GSM replacement.

Model:

Ford 2021-2025 F-150	Built on or before 17-Mar-2025 Console shift
--------------------------------	---

Markets: North American markets only

Issue: Some of the vehicles listed in the Model statement above equipped with a console GSM may exhibit at least one of the following conditions:

- Clicking sound coming from shifter after it is placed and kept in reverse, neutral or drive position (2024 only)
- Shifter will not shift out of park/into park
- Shifter will not shift out of gear
- Shifter will not stow/unstow
- Shifter will move past the park position
- Loose shifter lever arm at pivot
- Illuminated powertrain malfunction (wrench) indicator with active DTCs P0929:77, P0929:00, P0929:07 and/or P0929:9A stored in the GSM

This may be due to the GSM and/or connector C211 pin push out on circuit CCB61 or an open on circuit CCB61, between the ABS module and the BCM.

NOTE: If the gear shifter lever will not shift into park, the transmission will automatically shift into park when the return to park function is triggered.

Action: For vehicles that meet the criteria in the Issue and Model statements above, follow the Service Procedure to inspect the wiring for an open or poor pin fitment at connector C211 and replace the GSM.

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
7210	1	1	1	Gear Shift Module - Refer To The Parts Catalog For The VIN Specific Application

Service part numbers and "number in package" quantity may change after publication, thus also affecting the "package order quantity". Refer to the parts catalog for the latest information.

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)/Service Part New Vehicle (SPNV)/Extended Service Plan (ESP) coverage. Limits/policies/prior approvals are not altered by a TSB. NVLW/SPW/SPNV/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
-------------	---------------	------

2021-2025 F-150 Console Shift With 10 Or 12 Inch Center Display Screen: Check DTCs Inspect Connector C211 (Pass) Replace The GSM Includes Time For PMI And To Carry Out TRON Module Authentication Procedure (Do Not Use With Any Other Labor Operations Outside Of This Article)	252324A	0.9 Hrs.
2022-2025 F-150 Lightning Console Shift With 15.5 Inch Center Display Screen: Check DTCs Inspect Connector C211 (Pass) Replace The GSM Includes Time For PMI And To Carry Out TRON Module Authentication Procedure (Do Not Use With Any Other Labor Operations Outside Of This Article)	252324B	1.1 Hrs.
2021-2025 F-150: Extra time to release GSM Lever from being stuck in stow position (Can Be Claimed With Operation A or B)	252324C	0.1 Hrs.
2021-2025 F-150: Check For Open Circuits (Fail) Repair As Necessary (Can Be Claimed With Operation A Or B and C)	MT252324D	Actual Time Up To 1.5 Hrs.

Repair/Claim Coding

Causal Part:	7210
Condition Code:	42

Service Procedure

1. Inspect both sides of connector C211 pin 3 for damaged or pushed out terminals. Refer to the Wiring Diagram - Electronic Engine Controls for Model Year and powertrain specific connector and pin locations. Were any concerns found?

- (1). Yes - repair the damaged pin(s) or connector per Cell 005 of the Wiring Diagram. Proceed to Step 3.
- (2). No - proceed to Step 2.

NOTE: Connector C211 is located behind dash panel glove box on the right side.

2. Check for an open circuit on CCB61 from the ABS module connector C135 to the BCM connector C2280A and/or C2280B. Refer to the Wiring Diagram - Electronic Engine Controls for model year and powertrain specific connector and pin locations. Was an open circuit found?

- (1). Yes - repair the open circuit per Cell 005 of the Wiring Diagram and proceed to Step 3.
- (2). No - proceed to Step 3.

3. Replace the GSM. Refer to WSM, Section 307-05, which includes performing the PMI procedure to install the latest strategy files and using the FDRS to carry out the TRON Module Authentication Procedure.

© 2025 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.