



TECHNICAL SERVICE BULLETIN

Various Gear Shift Module Concerns

25-2045

17 February
2025

This bulletin supersedes 21-2141. Reason for update: update the Service Procedure

Model:

Ford 2021-2024 F-150	Built on or before 01-Nov-2024
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Markets: North American markets only

Issue: Some of the vehicles listed in the Model statement above 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 P
- Shifter will not shift out of gear
- Shifter will not stow/unstow
- Shifter will move past the P position
- Loose shifter lever arm at pivot
- Illuminated powertrain malfunction (wrench) indicator
- DTCs P0929:77, P0929:00, P0929:07 and/or P0929:9A

This may be due to a faulty 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 P, the transmission will automatically shift into P when the Return to Park function is triggered.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to inspect for connector damage and replace the GSM.

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
7210	1	1	1	Gear Shift 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)/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
2021-2024 F-150 With 10 Or 12 Inch Center Display Screen: Check DTCs Inspect Connector C211 (Pass) Replace The GSM (Do Not Use With Any Other Labor Operations Outside Of This Article)	252045A	0.8 Hrs.
2022-2024 F-150 Lightning With 15.5 Inch Center Display Screen: Check DTCs Inspect Connector C211 (Pass) Replace The GSM (Do Not Use With Any Other Labor	252045B	1.0 Hrs.

Operations Outside Of This Article)		
2021-2024 F-150: Inspect Connector C211 And Open Circuit In CCB61 (Fail) Repair As Necessary (Can Be Claimed With Operation A Or B)	MT252045	Actual Time Up To 1.5 Hrs.

Repair/Claim Coding

Causal Part:	7210
Condition Code:	42

Service Procedure

1. Inspect connector C211 for pin fitment and/or damaged pin(s) and check for an open on circuit CCB61. Is there poor pin fitment or damage to pin 3 and/or an open in circuit CCB61 found?
- (1). Yes - repair the damaged pin(s) and/or wiring per cell 005 of the Wiring Diagram and proceed to Step 2.
- (2). No - proceed to Step 2.
2. Replace the GSM.

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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.