



## TECHNICAL SERVICE BULLETIN

### Shift Knob Rotates Without Brake Pedal Depressed, Transmission Remains In Park (P)

22-2343

19 September 2022

#### Model:

Ford 2022 Bronco Sport	Built on 08-Nov-2021 and through 18-Jan-2022
2022 Escape	Built on 24-Sep-2021 and through 18-Jan-2022
2022 Maverick	Built on 13-Sep-2021 and through 18-Jan-2022
2021-2022 Mustang Mach-E	Built on 01-Aug-2021 and through 18-Jan-2022

**Issue:** Some 2021-2022 Mustang Mach-E vehicles built on 01-Aug-2021 and through 18-Jan-2022, 2022 Maverick vehicles built on 13-Sep-2021 and through 18-Jan-2022, 2022 Escape vehicles built on 24-Sep-2021 and through 18-Jan-2022, 2022 Bronco Sport vehicles built on 08-Nov-2021 and through 18-Jan-2022 may exhibit a shift knob can be rotated without stepping on the brake pedal, although the transmission remains in park (P). This condition may be intermittent, more noticeable in warmer temperatures. DTC P0929 may also be set in the gear shift module (GSM). This may be due to a GSM concern. To correct the condition, follow the Service Procedure to update the GSM.

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

- One of the following vehicles:
  - 2021-2022 Mustang Mach-E built on 01-Aug-2021 and through 18-Jan-2022
  - 2022 Maverick built on 13-Sep-2021 and through 18-Jan-2022
  - 2022 Escape built on 24-Sep-2021 and through 18-Jan-2022
  - 2022 Bronco Sport built on 08-Nov-2021 and through 18-Jan-2022
- Shift knob can be rotated without stepping on the brake

#### Parts

Service Part Number	Quantity	Description
LJ9Z 7P155D	1	Gear Shift Module - 2021 Mustang Mach-E
NJ8Z 7P155C	1	Gear Shift Module - 2022 Mustang Mach-E
PZ1Z-7P155-C	1	Gear Shift Module - Escape
NZ6Z-7P155-A	1	Gear Shift Module - Maverick
PZ1Z-7P155-L	1	Gear Shift Module - Bronco Sport 1.5L
PZ1Z-7P155-M	1	Gear Shift Module - Bronco Sport 2.0L

#### Labor Times

Description	Operation No.	Time
2021-2022 Mustang Mach-E: Inspect And Reprogram The GSM (Do Not Use With Any Other Labor Operation)	222343A	0.4 Hrs.
2021-2022 Mustang Mach-E: Inspect And Replace The GSM (Do Not Use With Any Other Labor Operation)	222343B	0.5 Hrs.
2022 Maverick: Inspect And Reprogram The GSM (Do Not Use With Any Other Labor Operation)	222343C	0.5 Hrs.
2022 Maverick: Inspect And Replace The GSM (Do Not Use With Any Other Labor Operation)	222343D	0.6 Hrs.
2022 Escape Inspect And Reprogram The GSM (Do Not Use With Any Other Labor Operation)	222343E	0.3 Hrs.
2022 Escape: Inspect And Replace The GSM (Do Not Use With Any Other Labor Operation)	222343F	0.3 Hrs.
2022 Bronco Sport: Inspect And Reprogram The GSM (Do Not Use With Any Other Labor Operation)	222343G	0.3 Hrs.
2022 Bronco Sport: Inspect And Replace The GSM (Do Not Use With Any Other Labor Operation)	222343H	0.3 Hrs.

#### Repair/Claim Coding

Causal Part:	7P155
Condition Code:	42

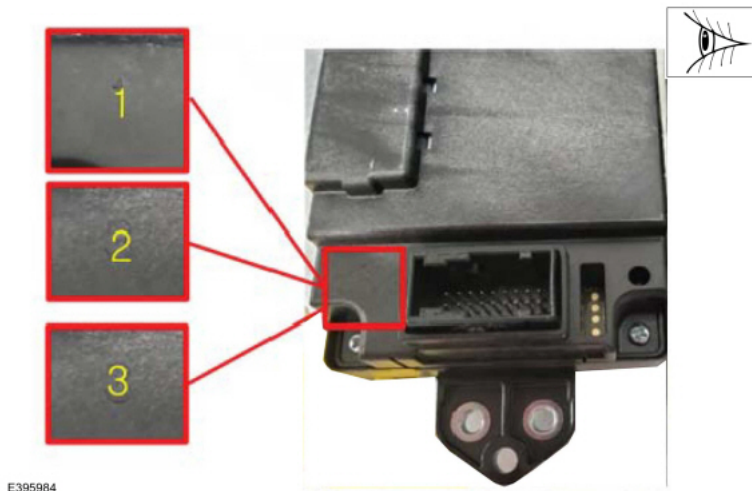
#### Service Procedure

##### Demonstration Of The Condition



1. Remove center console trim. Refer to Workshop Manual (WSM) Section 307-05 Step 1.
2. Inspect the GSM at the location identified in Figure 1.

Figure 1



- (1). If the GSM is marked with numbers 1, 2, or 3, proceed to Step 4.
  - (2). If the GSM is marked with number 4 or blank, re-install GSM and proceed to Step 3.
3. Reprogram the GSM using the latest software level of the Ford Diagnostic and Repair System (FDRS). Repair is complete.
  4. Replace the GSM. Follow the WSM Section 307-05.

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