



## TECHNICAL SERVICE BULLETIN

### Transmission Stuck In Park, (P) Not Illuminated In The Instrument Panel Cluster (IPC) And Diagnostic Trouble Code (DTC) P07E6 Stored In The SOBDMC

**25-2455**

15 January  
2026

This bulletin supersedes 25-2098. Reason for update: update the Parts claim quantity

#### Model:

|                                   |                              |
|-----------------------------------|------------------------------|
| <b>Ford</b><br>2022-2024 Maverick | Transmission: HF45<br>Hybrid |
|-----------------------------------|------------------------------|

**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:

- Vehicle will be stuck in park
- Blinking P on the GSM
- P not illuminated in the IPC
- Illuminated powertrain malfunction (wrench) indicator with DTC P07E6 stored in the SOBDMC

This may be due to an internal issue with the park lock actuator.

**Action:** For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to replace the park lock actuator.

#### Parts

| Service Part Number | Claim Quantity | Package Order Quantity | Number in Package | Description                              |
|---------------------|----------------|------------------------|-------------------|------------------------------------------|
| LX6Z-7P236-B        | 1              | 1                      | 1                 | Gear Shift Module                        |
| W500727-S439        | 3              | 1                      | 4                 | Frame Bolt Side Bar Lower - Rear LH 75mm |
| W720388-S439        | 3              | 1                      | 4                 | Rear Frame Bracket Bolts                 |
| W500725-S439        | 3              | 1                      | 4                 | Frame Bolt Side Bar Lower - Rear RH 65mm |
| W713199-S442        | 4              | 1                      | 4                 | Frame Bracket Bolts M10x20mm             |
| W716603-S442        | 4              | 1                      | 4                 | Frame Bracket Bolts M8x59mm              |
| W719813-S440        | 2              | 1                      | 4                 | Upper Sway Bar Nut                       |
| W500566-S439        | 1              | 1                      | 4                 | Restrictor Bracket Mount                 |
| W720294-S439        | 1              | 1                      | 4                 | Roll Restrictor Bolt M12x55mm            |
| W721002-S439        | 2              | 1                      | 4                 | Roll Restrictor Mount Bolt M12x58mm      |

|                |           |           |   |                                                                                |
|----------------|-----------|-----------|---|--------------------------------------------------------------------------------|
| W520515-S442   | 2         | 1         | 4 | Ball Joint Nuts                                                                |
| W520203-S440   | 2         | 2         | 1 | Tie Rod Nut                                                                    |
| CCPZ-3B477-G   | 2         | 2         | 1 | Axle Nut                                                                       |
| W721130-S439   | 2         | 1         | 4 | Subframe Support Bracket Bolts                                                 |
| JX6Z-3D677-C   | 1         | 1         | 1 | Steering Rack Seal                                                             |
| W718843-S439   | 1         | 1         | 4 | Steering Shaft Bolt                                                            |
| W520102-S442   | 2         | 1         | 4 | Right Axle Strap Nut                                                           |
| YS4Z-3N324-AA  | 1         | 1         | 1 | Right Axle Shaft Strap                                                         |
| LX6Z-5A215-A   | 1         | 1         | 1 | Exhaust Clamp                                                                  |
| NZ6Z-3B498-AA  | 2         | 2         | 1 | Axle Circlip                                                                   |
| LX6Z-9448-A    | 1         | 1         | 1 | Exhaust Manifold Gasket                                                        |
| LX6Z-9E464-B   | 1         | 1         | 1 | Upper EGR Tube Gasket                                                          |
| LX6Z-9E464-F   | 1         | 1         | 1 | Lower EGR Tube Gasket                                                          |
| JM5Z-1S177-A   | 2         | 2         | 1 | Axle Seal                                                                      |
| W708176-S437   | 7         | 2         | 4 | Exhaust Manifold Nuts                                                          |
| W520214-s440   | 3         | 2         | 2 | Engine Mount Nut                                                               |
| W719192-S439   | 2         | 1         | 4 | Upper Frame Bolt                                                               |
| W500743-S439   | 3         | 1         | 4 | Transmission Mount Bolt                                                        |
| DL3Z-19B596-B  | 1         | 1         | 1 | Air Conditioning O-Ring Kit                                                    |
| 9W7Z-19B596-A  | 1         | 1         | 1 | A/C O-Ring 0.5 in.                                                             |
| 1W1Z-19E889-HB | 1         | 1         | 6 | A/C Compressor O-Ring                                                          |
| W719470-S439   | 2         | 1         | 4 | Subframe Bolt                                                                  |
| W721614-S439   | 2         | 1         | 4 | Ball Joint Pinch Bolt                                                          |
| W712503-S440   | 2         | 2         | 1 | Lower Sway Bar Nut                                                             |
| W720849-S439   | 2         | 1         | 4 | Engine Mount Bolt                                                              |
| VC-13-G        | As Needed | As Needed |   | Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada) |

|                |           |           |  |                                                                                                                                                              |
|----------------|-----------|-----------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CVC-13-G       | As Needed | As Needed |  | Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only)                                                                                             |
| YN-33-A        | As Needed | As Needed |  | R-1234yf Refrigerant (All Markets Except Canada)                                                                                                             |
| HS7Z-19B519-BA | As Needed | As Needed |  | R-1234yf Refrigerant (Canada Only)                                                                                                                           |
| ZC-30-A        | As Needed | As Needed |  | Motorcraft® Gasket Remover                                                                                                                                   |
| ZC-31-B        | As Needed | As Needed |  | Motorcraft® Metal Surface Prep Wipes                                                                                                                         |
| TA-29          | As Needed | As Needed |  | Motorcraft® Ultra Silicone Sealant                                                                                                                           |
| PM-4-A         | As Needed | As Needed |  | Motorcraft® Metal Brake Parts Cleaner (Compliant With Low Volatile Organic Compound Requirements As Required In Some USA States) (All Markets Except Canada) |
| CPM-4-A        | As Needed | As Needed |  | Motorcraft® Brake Parts Cleaner Low VOC Compliant Formula (Canada Only)                                                                                      |
| PM-4-B         | As Needed | As Needed |  | Motorcraft® Metal Brake Parts Cleaner High VOC Compliant Formula (All Markets Not Requiring A Low VOC Product) (All Markets Except Canada)                   |
| XT-12-QULV     | As Needed | As Needed |  | Motorcraft® MERCON® ULV Automatic Transmission Fluid                                                                                                         |

#### Parts - Parts - AWD Only

| Service Part Number | Claim Quantity | Package Order Quantity | Number in Package | Description                  |
|---------------------|----------------|------------------------|-------------------|------------------------------|
| LX6Z-4B496-A        | 6              | 2                      | 3                 | Driveshaft Fasteners         |
| JM5Z-7H260-A        | 1              | 1                      | 1                 | Axle Seal                    |
| K2GZ-7275-B         | 1              | 1                      | 1                 | Right Axle Circlip Kit       |
| K2GZ-7086-A         | 1              | 1                      | 1                 | Dust Seal                    |
| W719766-S439        | 5              | 2                      | 4                 | PTU Mount Bolt               |
| W719767-S439        | 2              | 1                      | 4                 | Intermediate Axle Shaft Bolt |

#### Parts - Parts To Inspect And Replace Only If Necessary

| Service Part Number | Claim Quantity              | Package Order Quantity      | Number in Package | Description             |
|---------------------|-----------------------------|-----------------------------|-------------------|-------------------------|
| W702413-S450B       | Only If Necessary           | Only If Necessary           | 4                 | Underbody Cover Screw   |
| W711712-4300        | Only If Necessary           | Only If Necessary           | 4                 | Plastic Push Pin        |
| W717422-S439        | Only If Necessary           | Only If Necessary           | 4                 | Underbody Cover Nut     |
| W701350-S437        | Only If Necessary           | Only If Necessary           | 4                 | Dowel Pin               |
| K2GZ-7H469-D        | Only If Necessary (Up To 1) | Only If Necessary (Up To 1) | 1                 | PTU Seal Kit (AWD Only) |

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.

**As Needed** indicates the part is necessary but amount of the part may vary and/or is not a whole number. Parts can be billed out as non-whole numbers, including less than 1.

**Only If Necessary** indicates the part is not mandatory. Refer to the Service Procedure to determine the inspection/inclusion criteria.

**Warranty Status:** Warranty coverage limits and policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

**Labor Times**

| Description                                                                                                                                                                               | Operation No. | Time      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|
| 2022-2024 Maverick Hybrid FWD: Retrieve DTCs, Replace The Park Lock Actuator (Can Be Claimed With Operation B And C) (Do Not Use With Any Other Labor Operations Outside Of This Article) | 252455A       | 12.7 Hrs. |
| Additional Time To Check And Correct Front Toe (Can Be Claimed With Operation A)                                                                                                          | 252455B       | 0.8 Hrs.  |
| Additional Time To Perform 360 Degree Camera Alignment (Can Be Claimed With Operation A)                                                                                                  | 252455C       | 0.5 Hrs.  |

**Repair/Claim Coding**

|                 |       |
|-----------------|-------|
| Causal Part:    | 7P236 |
| Condition Code: | 42    |

**Service Procedure**

1. Replace the park lock actuator. Refer to WSM, Section 307-01A > Disassembly and Assembly of Subassemblies.

- It is not necessary to remove the inverter system controller/SOBDMC for this procedure.
- It is not necessary to drain the engine oil or remove the engine oil filter for this procedure.

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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.