



# 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> 2022-2024 Maverick	Transmission: HF45 Hybrid
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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:

- 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.