



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

25-2098

25 April 2025

Model:

Ford 2022-2024 Maverick	HF45 Transmission
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Issue: Some of the vehicles listed in the Model statement above with the Hybrid HF45 Transmission may exhibit at least one of the following conditions:

- Vehicle will be stuck in the park
- Blinking P on the GSM
- P not illuminated in the IPC
- Illuminated powertrain malfunction (wrench) indicator
 - 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	1	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
W719813-S440	2	1	4	Upper Sway Bar Nut
LX6Z-9E464-F	1	1	1	Lower EGR Tube Gasket
W500566-S439	1	1	4	Restrictor Bracket Mount
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	4	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	1	1	1	Axle Circlip
LX6Z-9448-A	1	1	1	Exhaust Manifold Gasket
LX6Z-9E464-B	1	1	1	Upper 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
9W7Z-19B596-A	1	1	1	A/C O-Ring Kit
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
LX6Z-4B496-A	6	2	3	Driveshaft Fasteners (AWD Only)
JM5Z-7H260-A	1	1	1	Axle Seal (AWD Only)
K2GZ-7275-B	1	1	1	Right Axle Circlip Kit (AWD Only)
K2GZ-7086-A	1	1	1	Dust Seal (AWD Only)
W719766-S439	5	2	4	PTU Mount Bolt (AWD Only)
W719767-S439	1	1	1	Intermediate Axle Shaft Bolt (AWD Only)
VC-13-G	As Needed	As Needed	1	Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada)
CVC-13-G	As Needed	As Needed	1	Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only)
YN-33-A	As Needed	As Needed	1	R-1234yf Refrigerant (All Markets Except Canada)

HS7Z-19B519-BA	As Needed	As Needed	1	R-1234yf Refrigerant (Canada Only)
ZC-30-A	As Needed	As Needed	1	Motorcraft® Gasket Remover
ZC-31-B	As Needed	As Needed	1	Motorcraft® Metal Surface Prep Wipes
TA-29	As Needed	As Needed	1	Motorcraft® Ultra Silicone Sealant
PM-4-A	As Needed	As Needed	1	Motorcraft® Metal Brake Parts Cleaner (Compliant With Low Volatile Organic Compound Requirements As Required In Some USA States)
CPM-4-A	As Needed	As Needed	1	Motorcraft® Brake Parts Cleaner Low VOC Compliant Formula (Canada Only)
PM-4-B	As Needed	As Needed	1	Motorcraft® Metal Brake Parts Cleaner High VOC Compliant Formula (All Markets Not Requiring A Low VOC Product)
XT-12-QULV	As Needed	As Needed	1	Motorcraft® MERCON® ULV Automatic Transmission Fluid

Parts - Parts To Inspect And Replace Only If Necessary

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
W702413-S450B	As Needed	As Needed	4	Underbody Cover Screw
W711712-4300	As Needed	As Needed	4	Plastic Push Pin
W717422-S439	As Needed	As Needed	4	Underbody Cover Nut
W701350-S437	As Needed	As Needed	4	Dowel Pin
K2GZ-7H469-D	1	1	1	PTU Seal Kit (AWD Only)
w719335-s900	2	2	1	Exhaust Manifold EGR Tube Stud

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: 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

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)	252098A	12.7 Hrs.
Additional Time To Check And Correct Front Toe (Can Be Claimed With Operation A)	252098B	0.5 Hrs.
Additional Time To Perform 360 Degree Camera Alignment (Can Be Claimed With Operation A)	252098C	0.8 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.