



TECHNICAL SERVICE BULLETIN

Various Drivability Symptoms And/Or Illuminated MIL With Evaporative Emissions DTCs After A Refuel Event

25-2431

12 September
2025

This bulletin supersedes 24-2199. Reason for update: update the Parts List.

Model:

Ford 2024 Edge	Engine: 2.0L EcoBoost AWD
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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:

- Fuel tank not filling up beyond half-full
- Hard to start
- Stalls upon restart after refueling
- Illuminated MIL with DTCs P04F0, P0451, P0455, and/or P0496 may also be stored in the PCM.

This may be due to a disconnected fuel vapor line inside the fuel tank.

Action: For vehicles that meet all of the criteria in the Issue and Model Statements, follow the Service Procedure to reattach the fuel tank vapor line inside the fuel tank.

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
W714265-S442	2	1	4	Exhaust Nut
CV6Z-9450-E	1	1	1	Exhaust Gasket
F2GZ-4682-A	3	3	1	Driveshaft To PTU Bolts/Straps
W790063-S900	3	1	3	Driveshaft To Pinion Bolts/Straps
W712154-S439	2	1	4	Center Bearing Bolts
4L3Z-9276-AA	1	1	1	Fuel Pump And Sender Unit Ring
CCPZ-3B477-B	2	2	1	Axle Nut
K2GZ-9D653-A	1	1	1	Evaporative Emissions Canister
W718188-S439	8	2	4	Wheel Bearing And Hub Retainers
CV6Z-4B416-D	2	2	1	Rear Halfshaft Seals
W715448-S439	2	1	4	Halfshaft Retaining Clip
W715624-S439	4	1	4	Caliper Bracket Support Bolt

XY-75W-QL	As Needed	As Needed		Motorcraft® Differential Rear Drive Unit Fluid
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)
PM-4-B	As Needed	As Needed		Motorcraft® Metal Brake Parts Cleaner (Not Compliant With Volatile Organic Compound Requirements)

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.

Warranty Status: Eligible under provisions of New Vehicle Limited Warranty (NVLW)/Emissions Warranty/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/Emissions Warranty/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
2024 Edge AWD 2.0L EcoBoost: Inspect And Connect Vapor Hose Includes Time To Replace EVAP Canister And Remove And Install Fuel Pump Sender (Do Not Use With Any Other Labor Operations)	252431A	4.9 Hrs.

Repair/Claim Coding

Causal Part:	9002
Condition Code:	01

Service Procedure

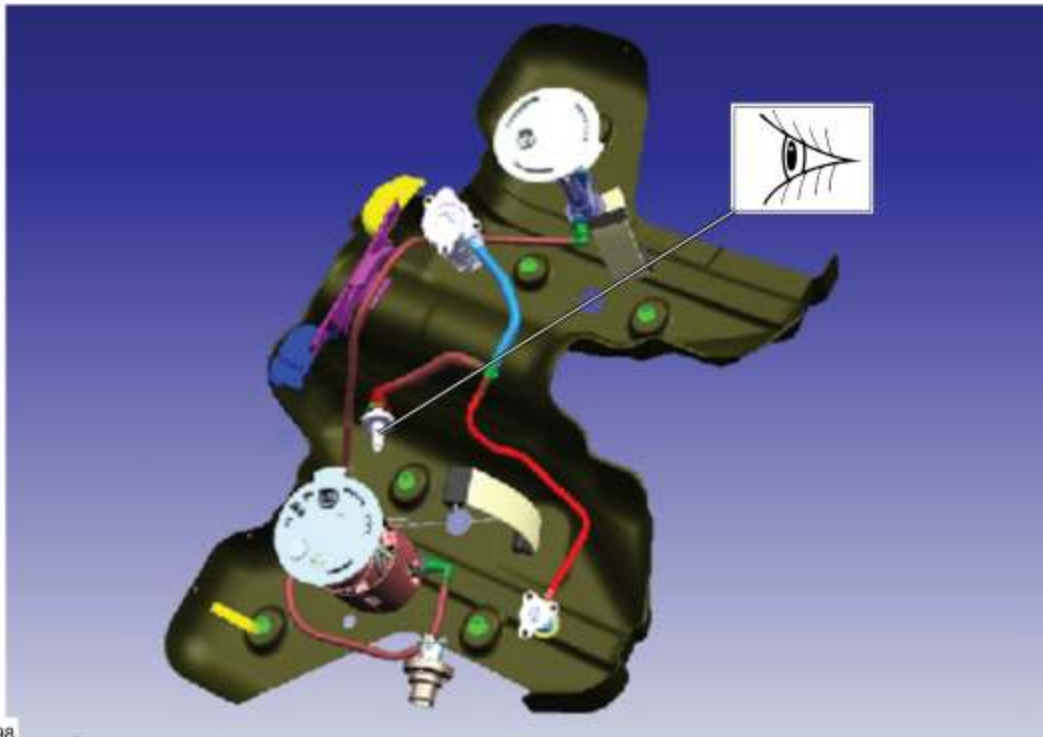
1. Remove the fuel tank assembly. Refer to the WSM, Section 310-01A > Removal and Installation > Fuel Tank.
2. Remove fuel pump and sender unit. Refer to the WSM, Section 310-10A > Removal and Installation > Fuel Pump and Sender.
3. Inspect the inside of the tank for a disconnected fuel vapor hose. (Figures 1-2)

Figure 1



E405497

Figure 2



E405498

4. Is the hose disconnected?

(1). Yes - reattach the hose. Proceed to Step 5.

NOTE: Do not reinstall tank until the EVAP canister has been replaced.

(2). No - reassemble vehicle and refer to the WSM for normal diagnostics outside of this article. Repair is complete.

5. Replace the EVAP canister. Refer to WSM, Section 303-13A, Removal and Installation, Evaporative Emission Canister.

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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.