



TECHNICAL SERVICE BULLETIN

Illuminated MIL With DTCs P0455, P0456, P0442 And/Or P04EE

25-2308

19 August
2025

Model:

Ford
2022-2024 Maverick

Markets: North American markets only

Issue: Some of the vehicles listed in the Model statement above may exhibit an illuminated MIL with DTCs P0455, P0456, P0442 and/or P04EE. This may be due to a chafing or rubbing condition between the fuel vapor canister line and the air vent hose.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to install a new fuel vapor canister line that includes a clip to maintain the gap with the air vent hose.

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description	Note
LX6Z-5A215-D	1	1	1	Exhaust Clamp	
NZ6Z-9A068-A	1	1	1	Long Fuel Tank Foam Pad (2.5L)	
NZ6Z-9A068-B	1	1	1	Short Fuel Tank Foam Pad (2.5L)	
W720526-S450B	4	1	4	Fuel Tank Bolts	
LX6Z-4B496-A	2	2	1	Driveshaft Flange Bolts	1 Set Includes 3 Bolt And Washer Assemblies
SZ6Z-9D333-B	1	1	1	Fuel Vapor Canister Line (2.0L)	
NZ6Z-9D333-J	1	1	1	Fuel Vapor Canister Line (2.5L)	
VC-13DL-G	As Needed	As Needed		Motorcraft® Yellow Prediluted Antifreeze/Coolant (Hybrid only) (All Markets Except Canada)	
CVC-13DL-G	As Needed	As Needed		Motorcraft® Yellow Prediluted Antifreeze/Coolant (Hybrid only) (Canada 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.

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
2022-2024 Maverick 2.0L FWD: Inspect And Replace Fuel Vapor Canister Line Includes Time To Remove And Install Fuel Tank (Do Not Use With Any Other Labor Operations)	252308A	2.1 Hrs.
2022-2024 Maverick 2.0L AWD: Inspect And Replace Fuel Vapor Canister Line Includes Time To Remove And Install Fuel Tank (Do Not Use With Any Other Labor Operations)	252308B	2.7 Hrs.
2022-2024 Maverick Hybrid: Inspect And Replace Fuel Vapor Canister Line Includes Time To Remove And Install Fuel Tank (Do Not Use With Any Other Labor Operations)	252308C	2.3 Hrs.

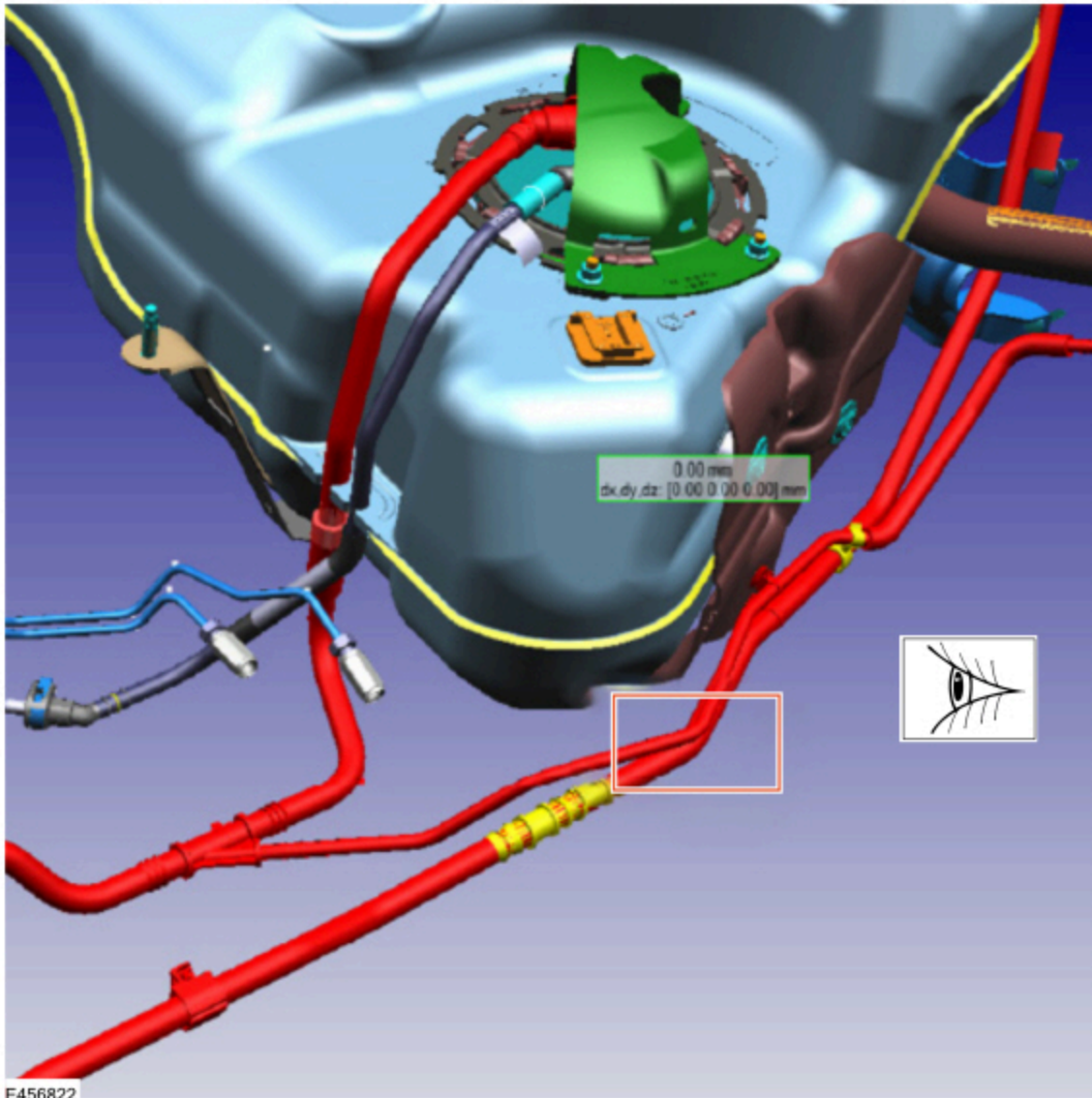
Repair/Claim Coding

Causal Part:	9D333
Condition Code:	30

Service Procedure

1. Inspect the fuel vapor canister line for chafing or rubbing damage caused by contact against the air vent hose. Is the fuel vapor canister line damaged due to chafing or rubbing contact against the air vent hose? (Figure 1)

Figure 1 - Location Of The Chafing/Rubbing Condition



(1). Yes - proceed to Step 2.

(2). No - this article does not apply, perform normal diagnostics outside of this article. Refer to the WSM, Section 303-13A Evaporative Emissions > Diagnosis and Testing.

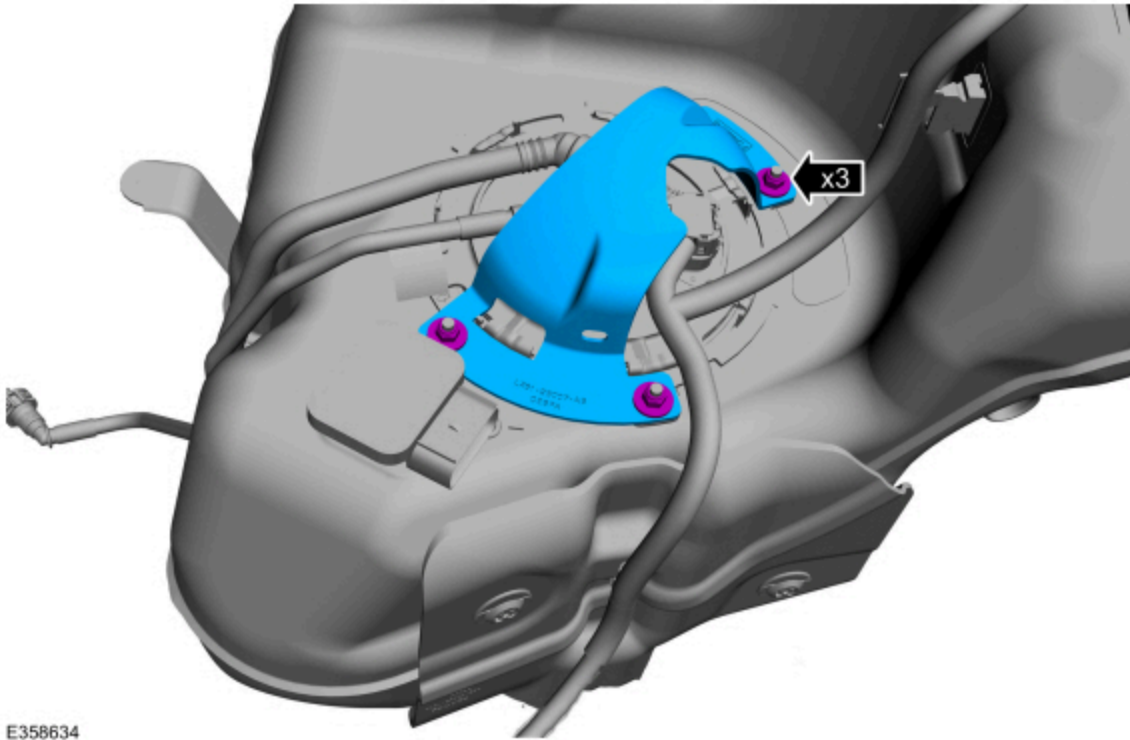
2. Lower the fuel tank. Refer to the WSM, Section 310-01A > Fuel Tank and Lines > Removal and Installation.

(1). For gas vehicles: Refer to the WSM, Section 310-01A Fuel Tank and Lines - 2.0L EcoBoost > Removal and Installation.

(2). For hybrid vehicles: Refer to the WSM, Section 310-01B Fuel Tank and Lines - 2.5L Duratec > Removal and Installation.

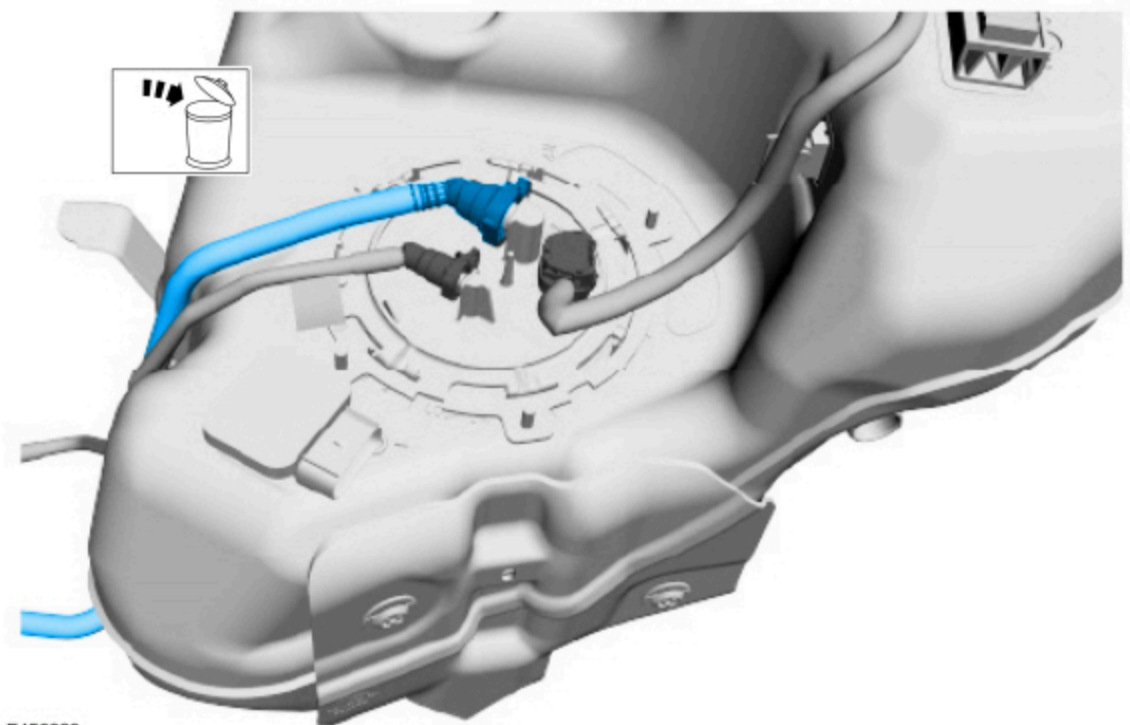
3. Remove the fuel pump shield. (Figure 2)

Figure 2



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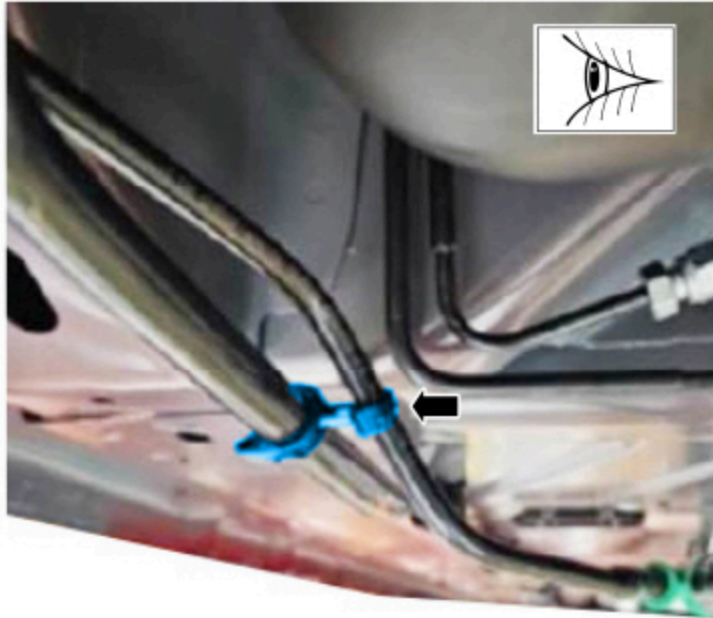
4. Disconnect the quick release coupling of the fuel vapor canister line that connects to the fuel pump. (Figure 3)
Figure 3



E456823

(1). Discard the fuel vapor canister line.
5. Install a new fuel vapor canister line.
NOTE: The new fuel vapor canister line includes a clip to maintain the gap against the air vent hose. (Figure 4)

Figure 4



E456840

- (1). Secure the new vapor canister line to the air vent hose using the new clip.
6. To assemble the vehicle, reverse the removal procedure.
7. Clear DTCs using FDRS.

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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.