

**TECHNICAL SERVICE BULLETIN****24-2263****2.0L EcoBoost - Illuminated MIL With DTCs P0401 Or P2457 And/Or Various Engine Cooling System Symptoms From Transmission Fluid Heater Coolant Control Valve Blockage - Built On 28-Aug-2023 And Through 02-Apr-2024**26 August
2024**Model:**

Ford 2024 Edge	Vehicle built on 28-Aug-2023 and through 02-Apr-2024 Engine: 2.0L EcoBoost
Lincoln 2023 Nautilus	Vehicle built on 28-Aug-2023 and through 02-Apr-2024 Engine: 2.0L EcoBoost

Markets: North American markets only

Issue: Some 2024 Edge and 2023 Nautilus vehicles built on 28-Aug-2023 and through 02-Apr-2024 equipped with a 2.0L EcoBoost engine may experience an illuminated MIL with DTCs P0401 or P2457. Various engine cooling system symptoms which may include an internal/external leak, white smoke from the tailpipe, and/or over-temperature warnings may also be present. This may be due to a transmission fluid heater coolant control valve restricting flow and possibly causing the EGR cooler to crack. To correct the condition, follow the Service Procedure to replace the affected parts.

Action: Follow the Service Procedure to correct the condition on vehicles that meet all of the following criteria:

- One of the following vehicles:
 - 2024 Edge
 - 2023 Nautilus
- Vehicle built on 28-Aug-2023 and through 02-Apr-2024
- 2.0L EcoBoost engine
- Illuminated MIL with DTCs P0401 or P2457
- Various engine cooling system symptoms which may include an internal/external leak, white smoke from the tailpipe, and/or over-temperature warnings

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
K2GZ-9F464-B	1	1	1	EGR Cooler (Includes Gaskets)
K2GZ-18495-B	1	1	1	Transmission Fluid Heater Coolant Control Valve

Parts - Parts To Inspect And Replace Only If Necessary

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description
K2GZ-6758-H	Only If Necessary (1 Possible)	Only If Necessary (1 Possible)	1	Crankcase Ventilation Tube
XL-2	Only If Necessary	Only If Necessary		Motorcraft® High Temperature Nickel Anti-Seize Lubricant
ZC-37-A	Only If Necessary	Only If Necessary		Motorcraft® Wheel and Tire Cleaner
XG-3-A	Only If Necessary	Only If Necessary		Motorcraft® Silicone Brake Caliper Grease and Dielectric Compound

VC-13-G	Only If Necessary	Only If Necessary		Motorcraft® Yellow Concentrated Antifreeze/Coolant (All Markets Except Canada)
CVC-13-G	Only If Necessary	Only If Necessary		Motorcraft® Yellow Concentrated Antifreeze/Coolant (Canada Only)

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
2023 Nautilus, 2024 Edge 2.0L EcoBoost: Replace The Transmission Fluid Heater Coolant Control Valve And The EGR Cooler (Do Not Use With Any Other Labor Operations)	242263A	3.3 Hrs.

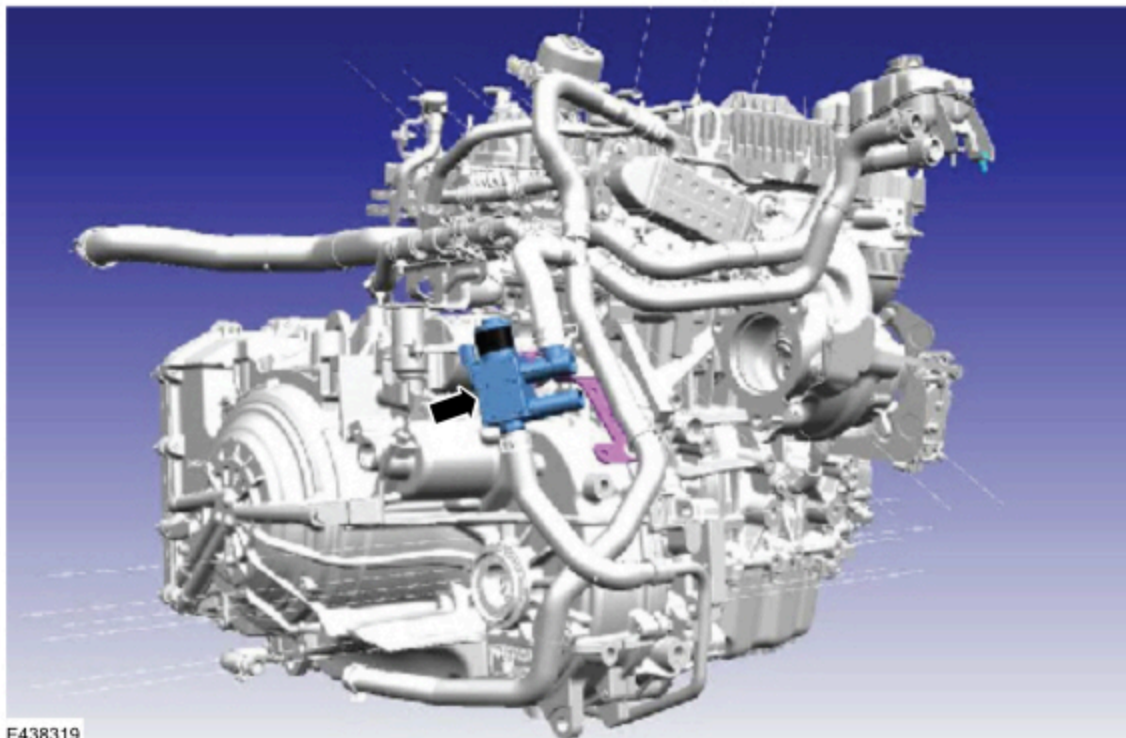
Repair/Claim Coding

Causal Part:	18495
Condition Code:	55

Service Procedure

1. Replace the transmission fluid heater coolant control valve. Refer to WSM, Section 303-03A. (Figure 1)

Figure 1



2. Replace the EGR cooler. Refer to WSM, Section 303-08A.

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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.