



TECHNICAL SERVICE BULLETIN

Loss Of Engine Coolant

25-201604 February
2025

This bulletin supersedes 25-2001. Reason for update: Revised Part List and Service Procedure

Model:

Ford 2021-2024 Bronco Sport	Engine: 1.5L EcoBoost
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Markets: North American markets only

Issue: Some of the vehicles listed in the Model statement above may exhibit a loss of engine coolant from a leak at the coolant pump. This may be due to contamination in the engine's cooling system.

Action: For vehicles that meet all of the criteria in the Issue and Model statements, follow the Service Procedure to flush the engine cooling system and replace the coolant pump.

Parts

Service Part Number	Claim Quantity	Package Order Quantity	Number in Package	Description	Note
DS7Z-19B596-A	1 Kit	1 Kit	1 Kit	Air Conditioning O-Ring	Kit contains 2 each of 1/2 inch, 5/8 inch, 8 mm (6 total pieces)
DL3Z-19B596-B	1	1	1	Air Conditioning O-Ring / Gasket Kit (Compressor Inlet Line)	
W714914-S303	3	1	4	Coolant Pump Pulley Bolts	
HX7Z-8501-B	1	1	1	Coolant Pump	
M1PZ-16038-A	1	1	1	Front Fender Moulding (Right)	
M1PZ-16039-A	1	1	1	Front Fender Moulding (Left)	
VC-1	As Needed	As Needed		Motorcraft® Premium Cooling System Flush	
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-35	As Needed	As Needed		Motorcraft® R-1234yf Refrigerant PAG Oil	
YN-12-D	As Needed	As Needed		Motorcraft® PAG Refrigerant Compressor Oil	
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)	
YN-19	As Needed	As Needed		Motorcraft® R-134a Refrigerant (All Markets Except Canada and	

				Mexico)	
CYN-19-RB	As Needed	As Needed		R-134a Refrigerant (Canada Only)	
MYN-19	As Needed	As Needed		Motorcraft® R-134a Refrigerant (Mexico Only)	

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)/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
2021-2024 Bronco Sport 1.5L EcoBoost: Pressure Test Engine Cooling System To Verify Leak (Fail) Flush Engine Cooling System And Replace The Coolant Pump Following The Service Procedure (Can Be Claimed With Operation B) (Do Not Use With Any Other Labor Operations Outside Of This Article)	252016A	6.6 Hrs.
Extra Time If Equipped With Front Parking Aid/360 Degree Camera (Can Be Claimed With Operation A)	252016B	0.4 Hrs.

Repair/Claim Coding

Causal Part:	8501
Condition Code:	D8

Service Procedure

- Perform a cooling system pressure test. Refer to the [WSM](#), Section 303-03A Engine Cooling - 1.5L EcoBoost > Diagnosis and Testing. Is the coolant pump leaking?
 - Yes - proceed to Step 2.
 - No - this article does not apply. Continue with normal [WSM](#) diagnosis.
- Perform an engine cooling system flush by performing only Steps 1-9 in [WSM](#), Section 303-03A Engine Cooling - 1.5L EcoBoost > General Procedures > Engine Cooling System Flushing.
 - Each component is to be flushed for no more than 10 minutes.
- Replace the coolant pump. Refer to the [WSM](#), Section 303-03A Engine Cooling - 1.5L EcoBoost > Removal and Installation.
- Fill and bleed the engine cooling system properly. Refer to the [WSM](#), Section 303-03A Engine Cooling - 1.5L EcoBoost > General Procedures > Engine Cooling System Draining, Vacuum Filling and Bleeding. Repeat Steps 10-12 a total of 10 times to remove any remaining air trapped in the system.

NOTE: Repeating Steps 10-12 differs from current [WSM](#) direction, but performing this process 10 times is required for this particular repair.

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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

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