TECHNICAL SERVICE BULLETIN

18-2352

28 November 2018

Lack Of Air Conditioning (A/C) - High-Voltage Battery Cooling Unit (Chiller) Leak

Model:

Ford 2012-2018 Focus BEV

Issue: Some 2012-2018 Focus BEV vehicles may exhibit a lack of A/C. This may be due to a high-voltage battery coolant cooler (chiller) leak that may have been caused by prior transmission service.

Action: Follow the Service Procedure steps to correct the condition.

Parts

Part Number	Description	Quantity
CV6Z-10C708-A	High-Voltage Battery Coolant Cooler	1
W790277-S900	Transmission Case Bolt	2
6E5Z-19B596-A	Chiller Line O-Ring Kit	2
YN-32	Motorcraft® Electric A/C Compressor Oil (2012-2016)	3
YN-34	Motorcraft® R-1234yf Refrigerant POE Oil (2017-2018)	6
VC-3DIL-B	Motorcraft® Orange Prediluted Antifreeze/Coolant (All Markets Except Canada)	4
CVC-3DIL-B	Motorcraft® Orange Prediluted Antifreeze/Coolant (Canada Only)	4
YN-19	Motorcraft® R134a Refrigerant (2012-2016, All Markets Except Canada)	1
CYN-19-R	R134a Refrigerant (2012-2016, Canada Only)	1
YN-33-A	R-1234yf Refrigerant (2017-2018, All Markets Except Canada)	1
HS7Z-19B519-BA	R-1234yf Refrigerant (2017-2018, Canada Only)	1

Warranty Status: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2012-2018 Focus BEV: Inspect And Replace The High-Voltage Battery Coolant Cooler Includes Time To Check And Replace The Affected Bolts (Do Not Use With Any Other Labor Operations)	182352A	1.4 Hrs.

Repair/Claim Coding

Causal Part:	10C708
Condition Code:	01

Tool List

Drive	Tool Name
1/4"	Power Tool
1/4"	Ratchet
1/4"	8 mm Deep Socket

Drive	Tool Name
1/4"	13 mm Deep Socket
1/4"	Torx® T25 Socket
3/8"	Power Tool
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	18 mm Socket
	Trim Tool
	Hose Clamp Pliers
	Hose Pinch-off Pliers, 2 pair

Service Procedure

1. Perform a visual inspection of the high-voltage battery coolant cooler. Are there any signs of damage or is the high-voltage battery coolant cooler oil stained indicating a freon leak?

(1). Yes - proceed to Step 2.

(2). No - this article does not apply. Refer to Workshop Manual (WSM), Section 412-00 for normal diagnostics.

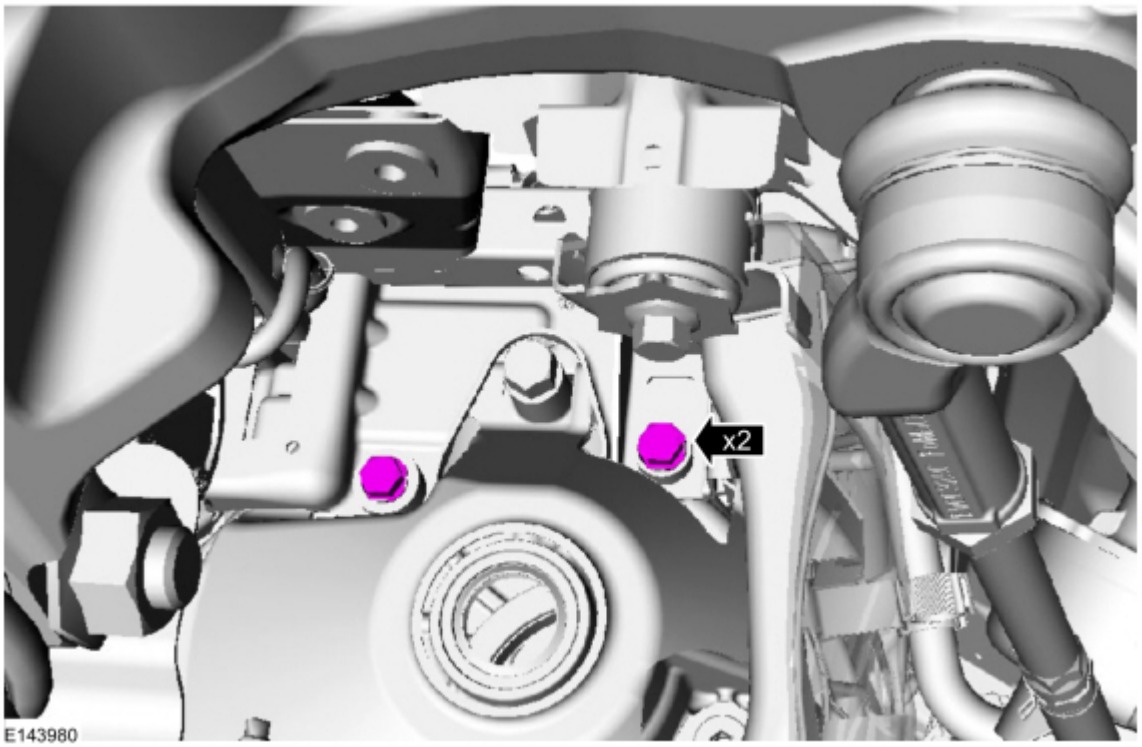
2. Inspect for loose, missing, or damaged rear transmission to mount bolts. Are any rear transmission to mount bolts loose, missing, or damaged? (Figure 1)

(1). Yes - replace the affected bolts. Tighten to 107 lb-ft (145 Nm). Refer to WSM, Section 303-01.

- Position a transmission jack under the electric motor. Remove the coolant filter and coolant filter bracket bolts and position aside to gain access to the mount bolts.
- Tighten the bracket bolt to 89 lb.in (10 Nm).
- Tighten the coolant filter bolt to 18 lb.in (2 Nm).

(2). No - proceed to Step 3.

Figure 1



3. Replace the high-voltage battery coolant cooler. Refer to WSM, Section 412-00.

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.