



TECHNICAL SERVICE BULLETIN

1.6L - Lack Of Cooling - Broken Air Conditioning (A/C) Inlet Line - Replacement And Support Clip Installation

19-2287
20 September
2019

This bulletin supersedes 18-2314. Reason for update: Incorrect or Missing Parts

Model:

Ford 2013-2016 Escape

Summary

This article supersedes TSB 18-2314 to update the Parts List.

Issue: Some 2013-2016 Escape vehicles equipped with a 1.6L EcoBoost engine may exhibit a lack of cooling caused by the A/C inlet line breaking at the compressor. This may be due to the oil cooler coolant lines exerting excess pressure on the A/C inlet line. When replacing the A/C inlet line, a support clip for the oil cooler coolant line should be installed to prevent contacting the A/C inlet line. To correct the condition, follow the Service Procedure steps to replace the A/C inlet line and adjust the gap between the A/C inlet line and the CAC hose.

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

- 2013-2016 Escape
- 1.6L engine
- Lack of A/C cooling
- A/C inlet line broken at the compressor connection

Parts

Part Number	Description	Quantity
CV6Z-19D742-F	A/C Inlet Line	1
JU5Z-14A163-MA	Zip-Tie Retainer Clip (Package Contains 50 Pieces, 1 Piece Required)	As Needed
FC3Z-19C836-A	Receiver Drier Element	1
164-R9402	Rotunda Urethane Tape	1
164-R4904	Rotunda Ultra High Molecular Weight (UHMW) Tape	1
YN-12-D	Motorcraft® PAG Refrigerant Compressor Oil	As Needed
YN-19	Motorcraft® R134a Refrigerant (All Markets Except Canada)	As Needed
CYN-19-R	R134a Refrigerant (Canada Only)	As Needed

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

2013-2016 Escape 1.6L: Inspect, Replace And Secure The A/C Inlet Line Following The Service Procedure Includes Time To Replace The Receiver Drier Element (Do Not Use With Any Other Labor Operations)

192287A

2.5
Hrs.

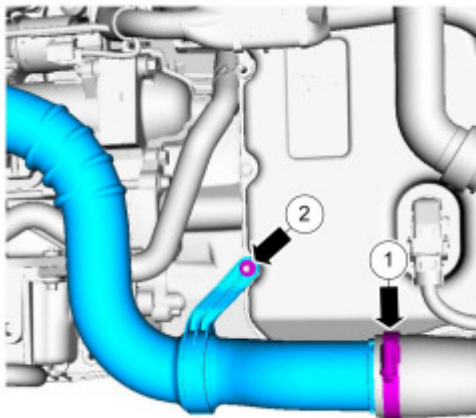
Repair/Claim Coding

Causal Part:	19D742
Condition Code:	01

Service Procedure

1. Replace the A/C inlet line. Refer to Workshop Manual (WSM), Section 412-00. Do not install the underbody shield and retainers at this time.
2. Loosen the clamp, remove the nut and decouple the charge air cooler (CAC) outlet pipe connection. (Figure 1)

Figure 1



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Item	Description
1	Clamp
2	Nut

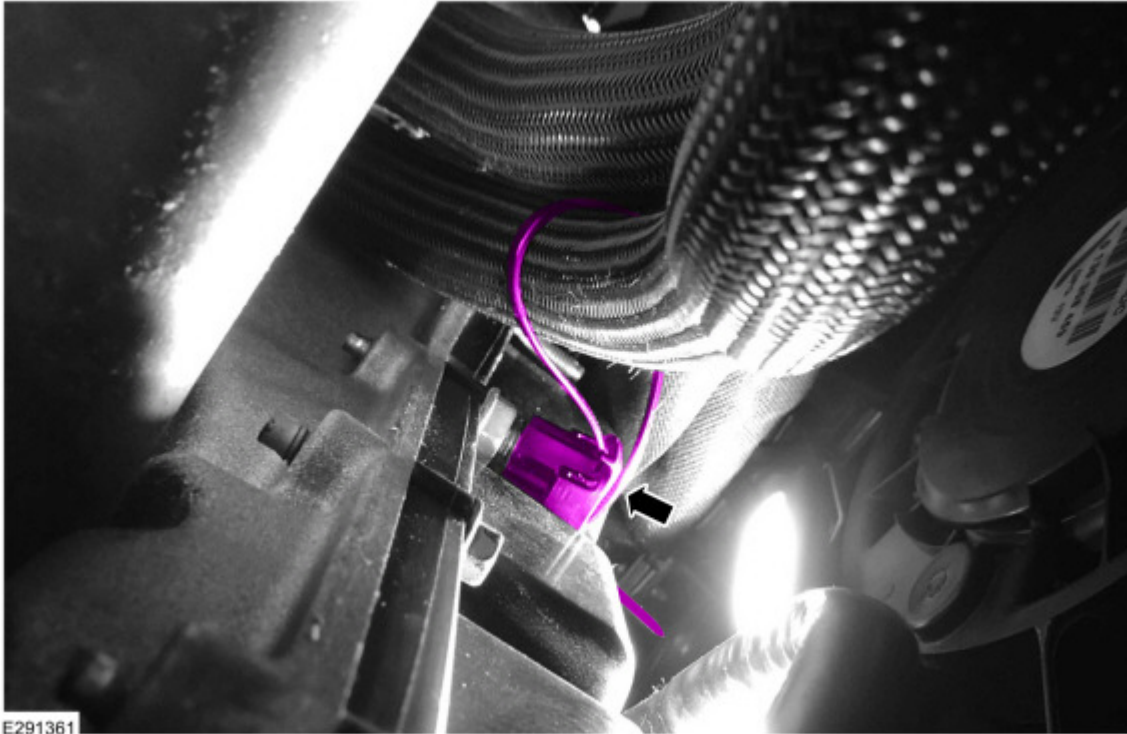
3. Install the zip tie retainer clip to reposition the oil cooler coolant hoses.
 - (1). Install a zip-tie into the retainer clip. (Figure 2)
 - (2). Loosely install the zip tie retainer onto the oil cooler coolant hose.
 - (3). Slide the retainer up the coolant hose and insert the retainer clip onto the transmission oil pan stud above the CAC hose. (Figure 3)
 - (4). Position the coolant hoses so that there is a 32mm (1.25 in) distance between the A/C inlet line and the lowest point of the coolant hoses and tighten the zip tie to hold the hoses in place. (Figure 4)
 - Make sure when repositioning the coolant hoses that they are not kinked or restricted in any way.

Figure 2



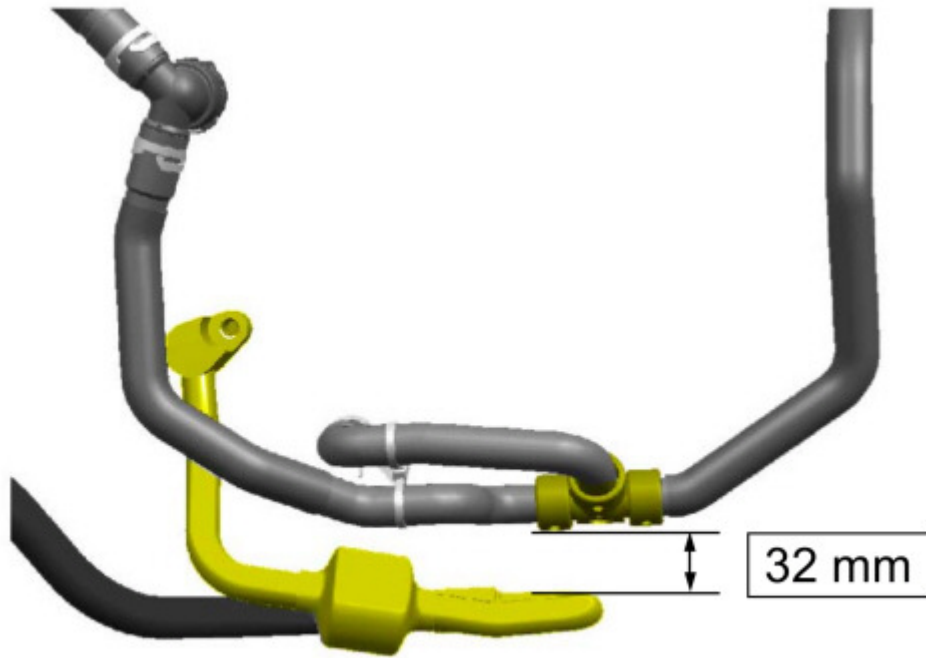
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Figure 3



E291361

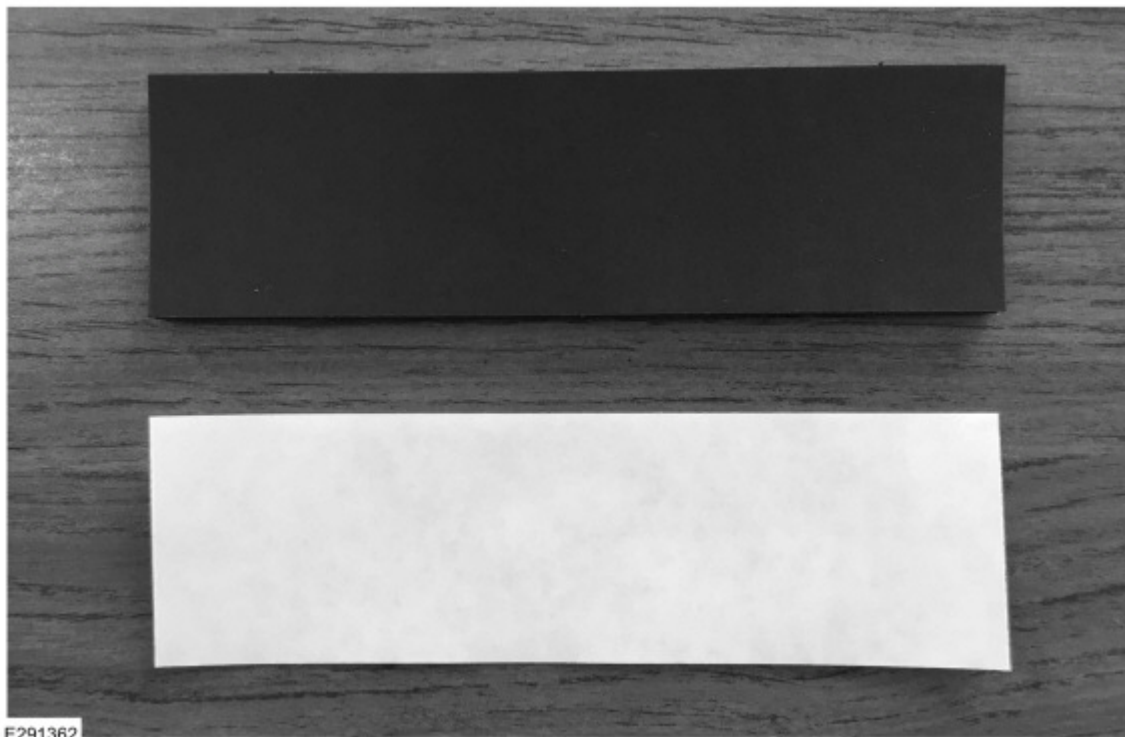
Figure 4



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4. Cut a 76 mm (3 inch) strip of urethane tape and install the tape onto the CAC outlet pipe where it contacts the oil cooler coolant hoses. (Figures 5-6)

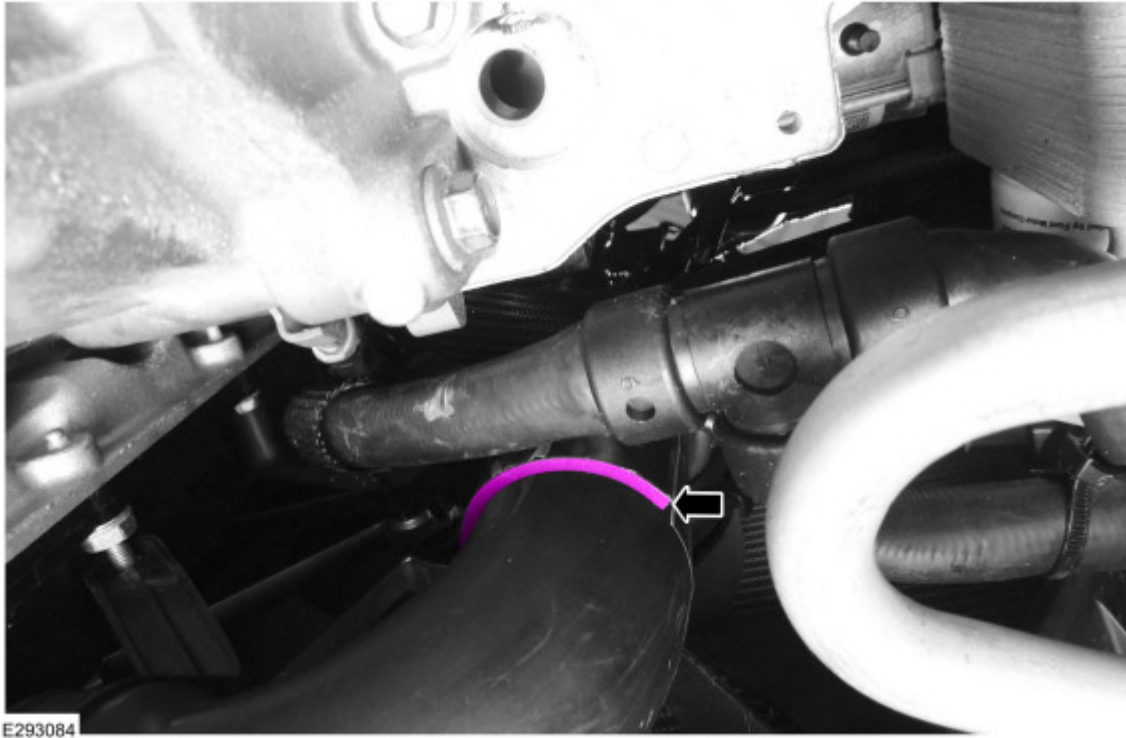
Figure 5



Item	Description
Top (Black)	Urethane tape

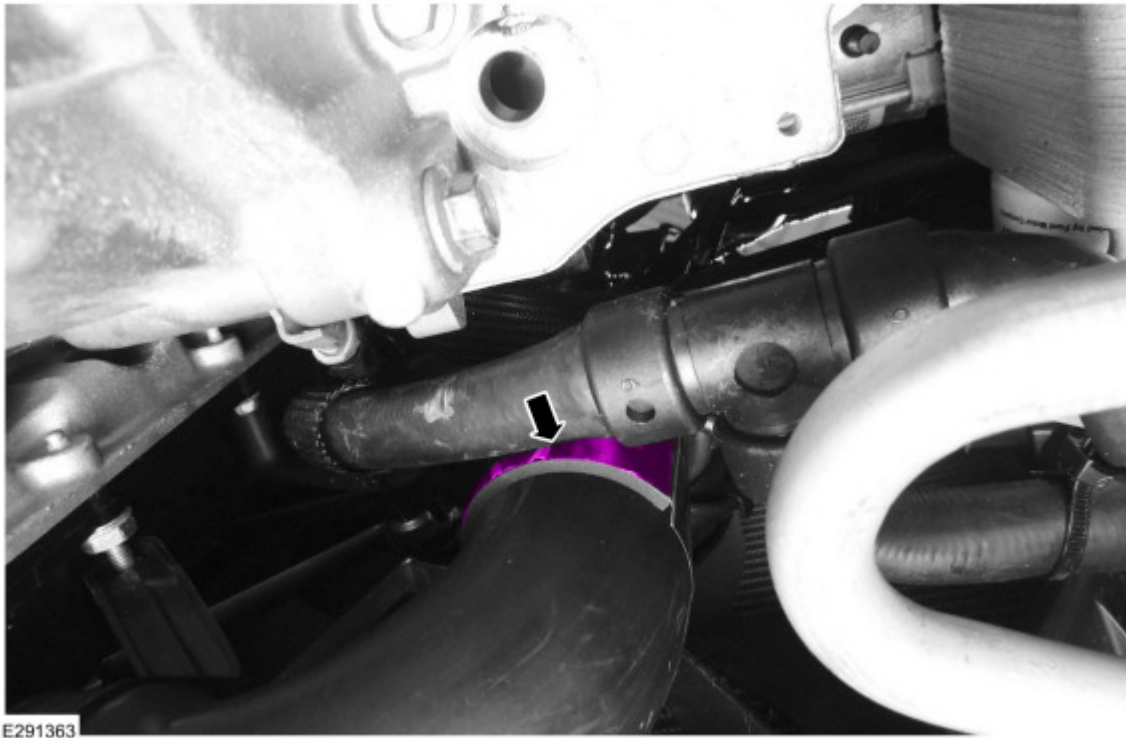
Bottom (White) UHMV tape

Figure 6



5. Install a piece of ultra high molecular weight (UHMW) tape over the urethane tape to act a secondary adhesion layer. (Figure 7)

Figure 7



6. Install the CAC outlet pipe, nut and tighten the clamp. (Figure 1)
7. Replace the A/C receiver drier element. Refer to WSM Section 412-00.
8. Install the underbody shield and retainers. Refer to WSM, Section 412-00.
9. Recharge the A/C system. Refer to WSM, Section 412-00.

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