



TECHNICAL SERVICE BULLETIN

1.0L EcoBoost - Automatic Transmission - Illuminated MIL With Multiple DTCs

19-2168

28 May 2019

Model:

Ford 2018-2019 EcoSport

Issue: Some 2018-2019 EcoSport vehicles equipped with a 1.0L EcoBoost engine and an automatic transmission may exhibit an illuminated malfunction indicator lamp(MIL) with multiple diagnostic trouble codes (DTC) stored in the powertrain control module (PCM) relating to loss of power or misfire conditions. This may be due to a chafing condition on the engine control harness that is routed between the transmission and exhaust heat shield. To correct the condition, follow the Service Procedure steps to repair the wiring harness and move the heat shield away from the harness.

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

- 2018-2019 EcoSport
- 1.0L EcoBoost engine
- Automatic transmission
- DTCs relating to loss of power or misfire conditions stored in the PCM including but not limited to P0743, P0C27, P0301, P0300

Parts

Part Number	Description	Quantity
Obtain Locally	Aluminum Tape	1

Warranty Status: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions 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
2018-2019 EcoSport 1.0L EcoBoost: Retrieve DTCs, Inspect, Repair And Insulate Wire Harness Includes Time to Verify Routing (Do Not Use With Any Other Labor Operations)	192168A	0.7 Hrs.

Repair/Claim Coding

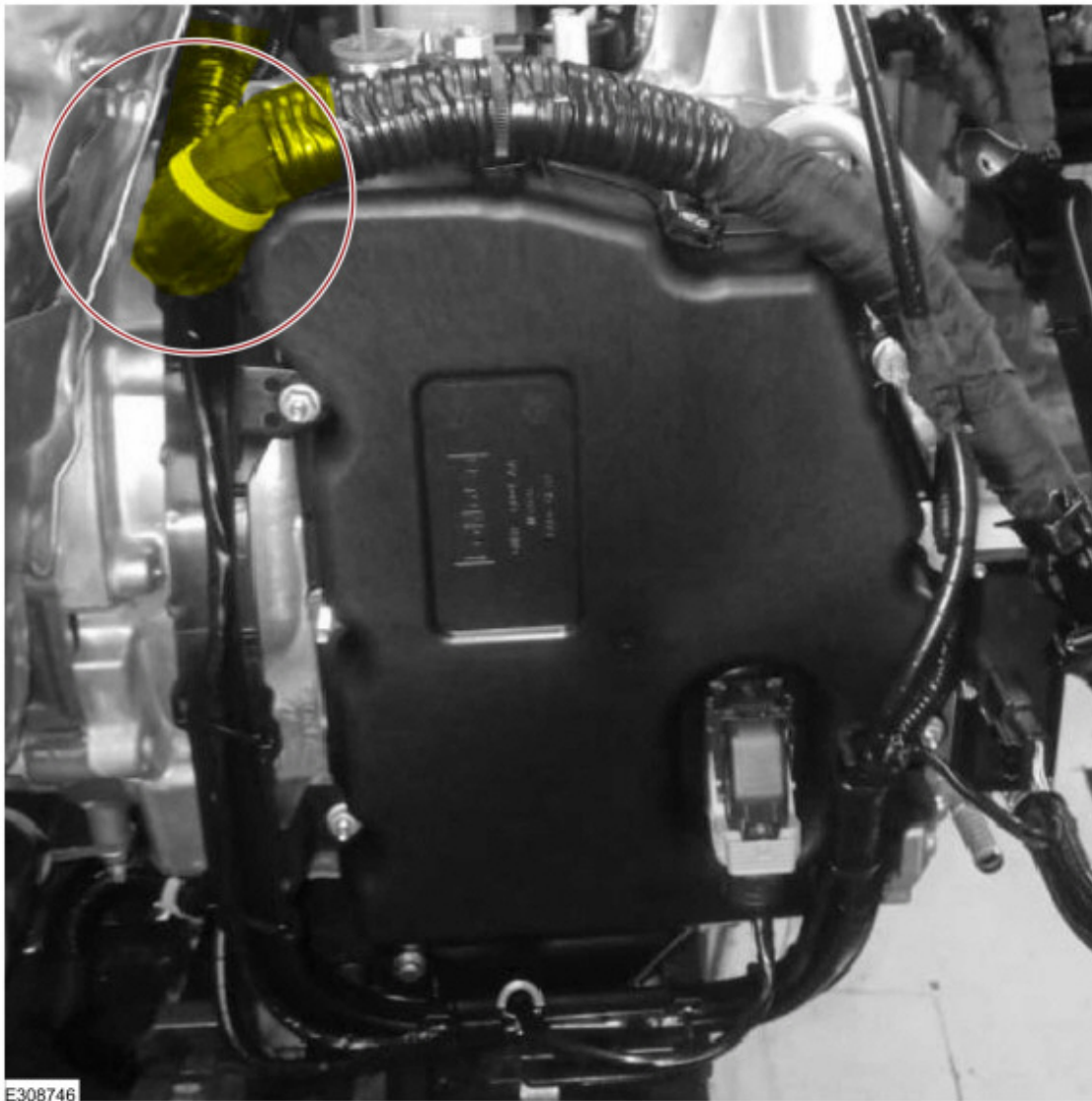
Causal Part:	12C508
Condition Code:	B4

Tool List
Wire splice kit 164-R5903
Pry bar

Service Procedure

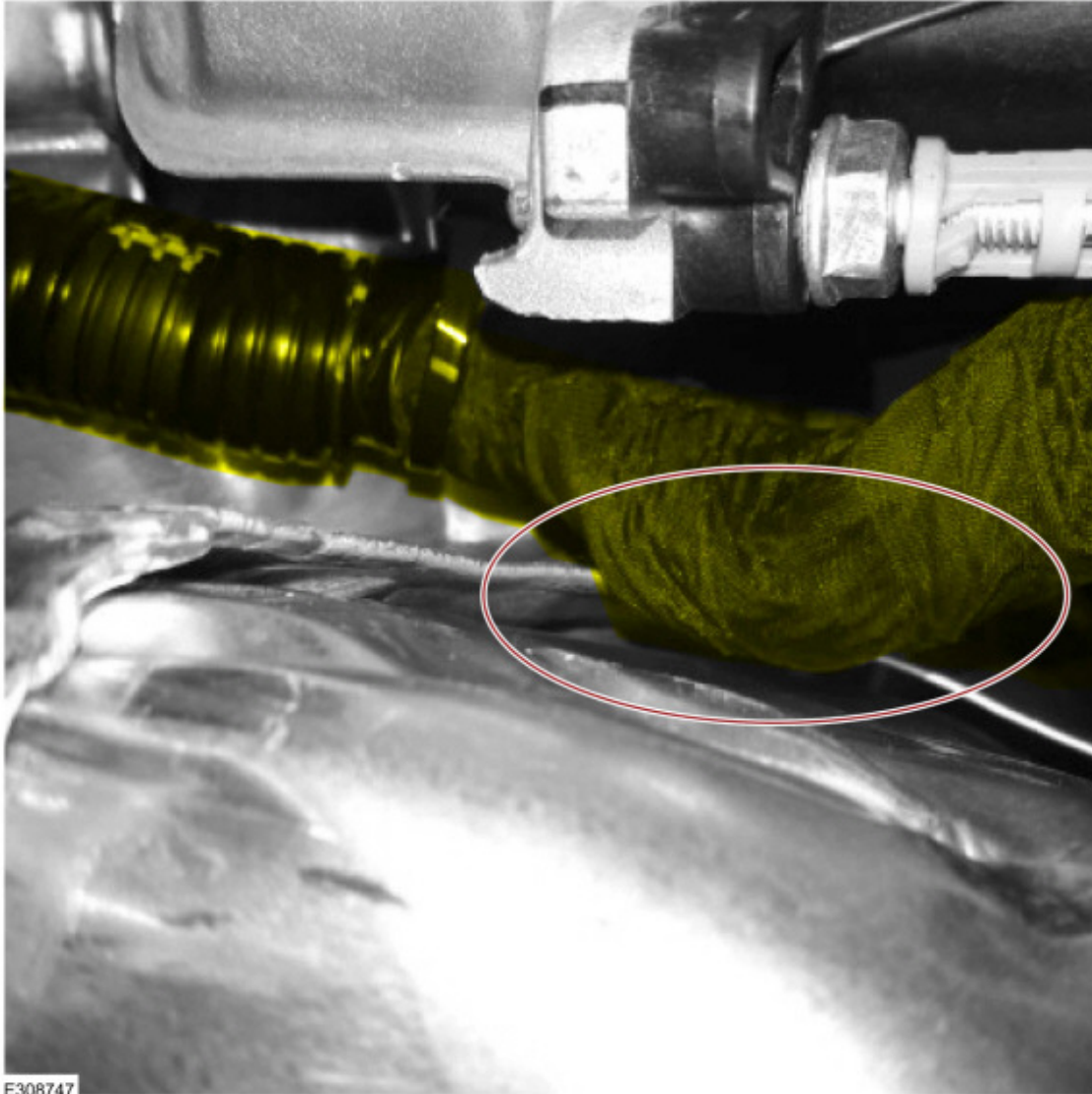
1. Inspect the routing of the engine control harness between the transmission and the exhaust heat shield.
(Figure 1)

Figure 1



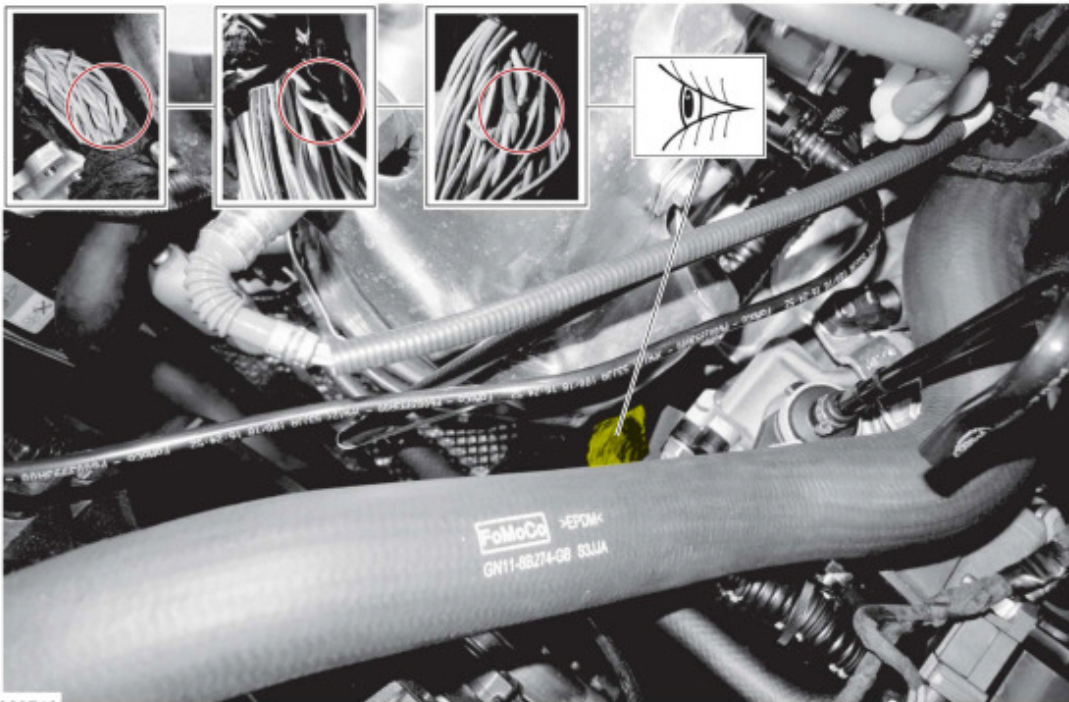
2. Is there evidence of contact between the harnesses and exhaust heat shield? (Figure 2)
 - (1). Yes - proceed to Step 3.
 - (2). No - this article does not apply. Refer to Workshop Manual (WSM) for normal diagnostics.

Figure 2



3. Inspect the harness for damaged wiring and repair the circuits as necessary. (Figure 3)

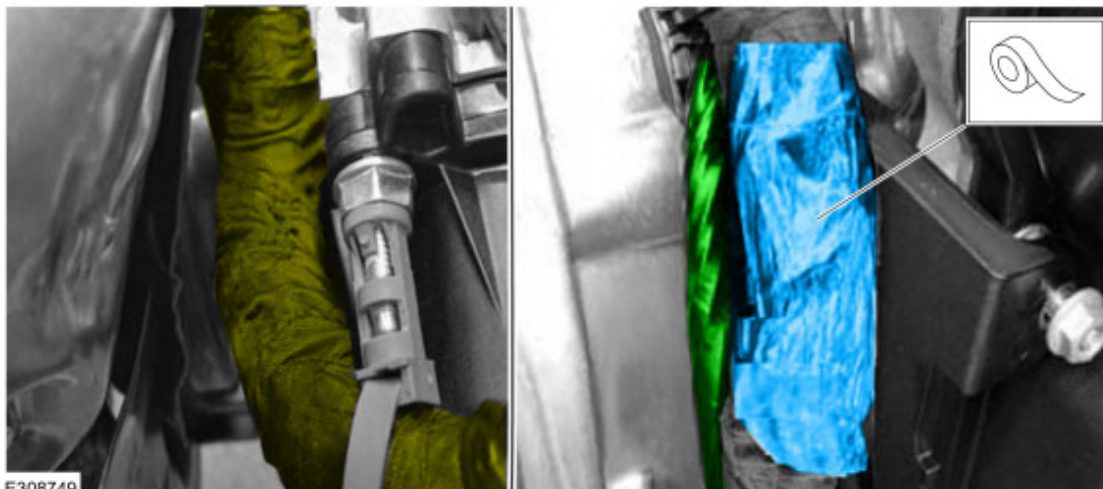
Figure 3



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4. Insulate the harness where a repair was performed using heat resistant aluminum tape. (Figure 4)

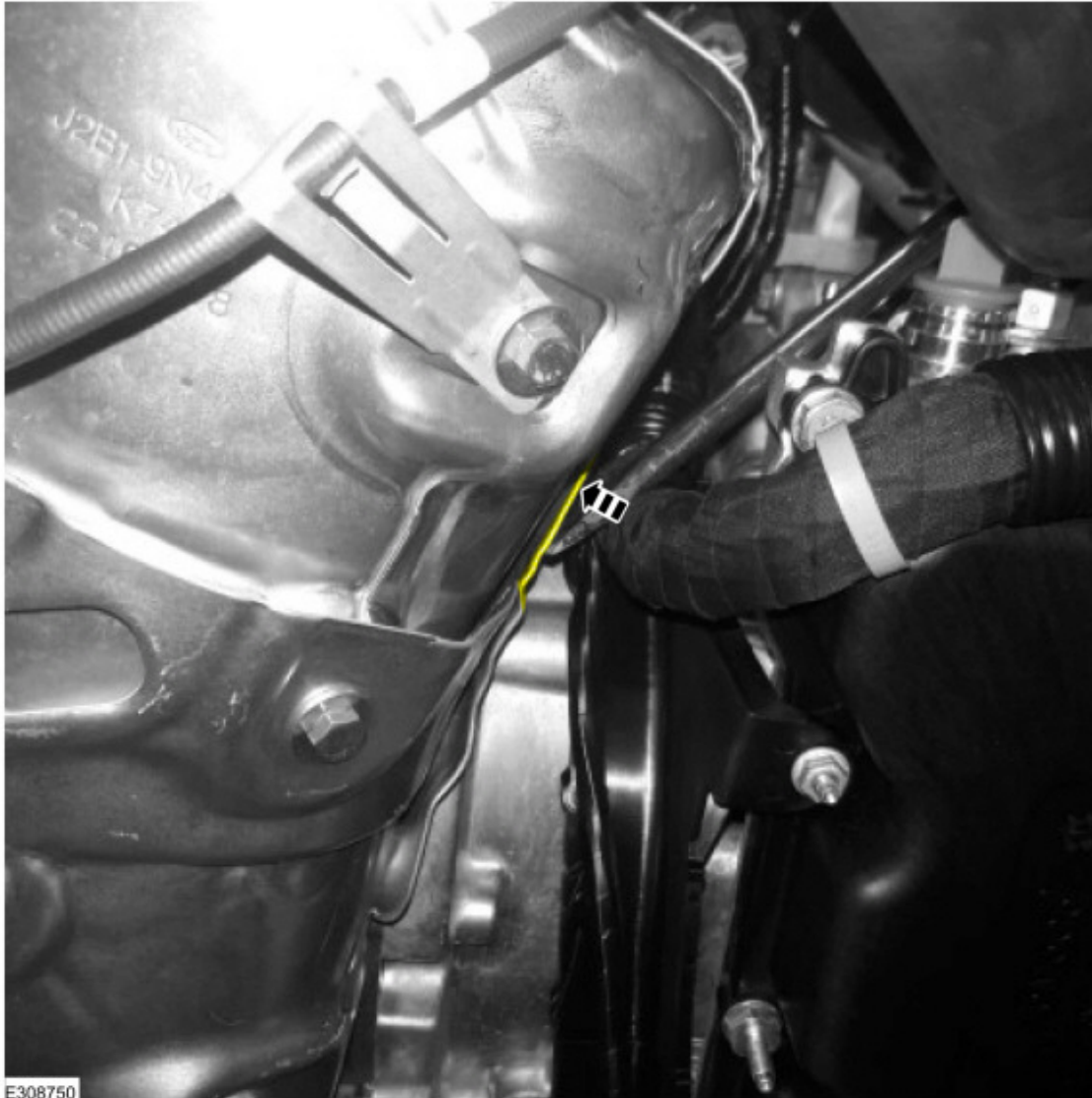
Figure 4



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5. When reinserting the harness back into position, make sure that a gap is present between the harness and exhaust heat shield by positioning the heat shield away from the harness and toward the exhaust using an appropriate tool. (Figure 5)

Figure 5



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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.