



# TECHNICAL SERVICE BULLETIN

## 3.5L EcoBoost - Illuminated MIL - DTCs P0325, P0327, P0330 And/Or P0332 - Built On Or Before 30-Sep-2016

18-2367

11 December  
2018

### Model:

Ford
2016-2017 Police Interceptor Utility
2016-2017 Explorer

**Issue:** Some 2016-2017 Explorer/Police Interceptor Utility vehicles equipped with a 3.5L EcoBoost engine built on or before 30-Sep-2016 may exhibit an illuminated malfunction indicator lamp (MIL) with diagnostic trouble codes (DTCs) P0325, P0327, P0330 and/or P0332. This may be caused by a wire chafe condition near the knock sensor connector C109.

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

### Parts

Part Number	Description	Quantity
3U2Z-14A088-AB	Wire Splice Repair Kit	1
F1VY-8255-A	Thermostat O-ring Seal	1
VC-3-B	Motorcraft® Orange Concentrated Antifreeze/Coolant (All Markets Except Canada)	2
CVC-3-B2	Motorcraft® Orange Concentrated Antifreeze/Coolant (Canada Only)	2
TA-24-B	Motorcraft® Thread Sealant with PTFE	1
NAI837X	Coroplast Electrical Wire Harness Tape	1
Obtain Locally	3/8 Inch Convuluted Tubing	1
Obtain Locally	Distilled Water	2 gallons

**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
2016-2017 Explorer And Police Interceptor Utility 3.5L EcoBoost: Retrieve DTCs, Inspect And Repair Wiring (Do Not Use With Any Other Labor Operations Outside Of This Article)	182367A	1.7 Hrs.
Additional Time To Remove And Install Any Police Equipment That Interferes With Repair	MT182367	Actual Time

### Repair/Claim Coding

Causal Part:	12A699
Condition Code:	30

### Tool List

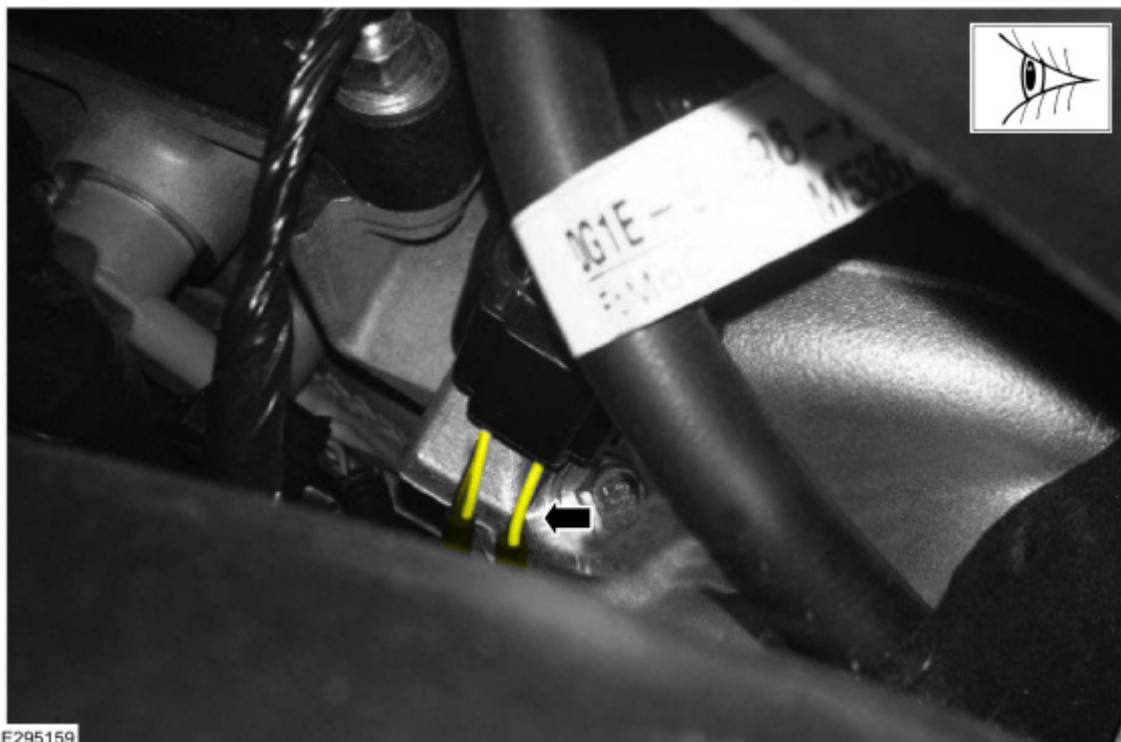
Drive	Tool Name
1/4"	Power Tool
1/4"	Ratchet

Drive	Tool Name
1/4"	Torque Wrench
1/4"	2" Extension
1/4"	8 mm Socket
1/4"	10 mm Socket
1/4"	8 mm Deep Socket
	Trim Tool
	Hose Clamp Pliers

## Service Procedure

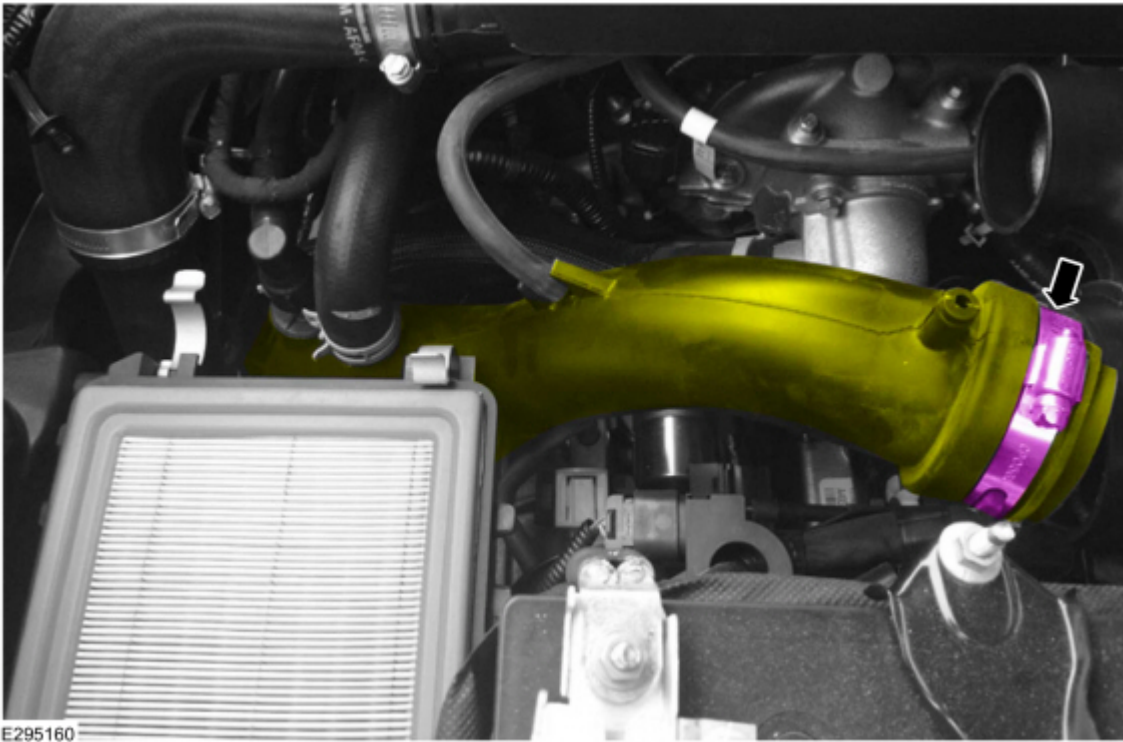
- Check the vehicle build date. Was the vehicle built on or before 30-Sep-2016?
  - Yes - Proceed to Step 2.
  - No - this article does not apply. Refer to the Powertrain Control/Emission Diagnosis (PC/ED) Manual for normal diagnostics.
- Using the appropriate Ford scan tool or equivalent, retrieve DTCs. Are P0325, P0327, P0330 and/or P0332 the only DTCs stored in the powertrain control module (PCM)?
  - Yes - proceed to Step 3.
  - No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.
- Perform a visual inspection of the knock sensor wiring near connector C109. Refer to Wiring Diagram Cell 25. Is a wire chafe concern present? (Figure 1)
  - Yes - proceed to Step 4.
  - No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.

Figure 1



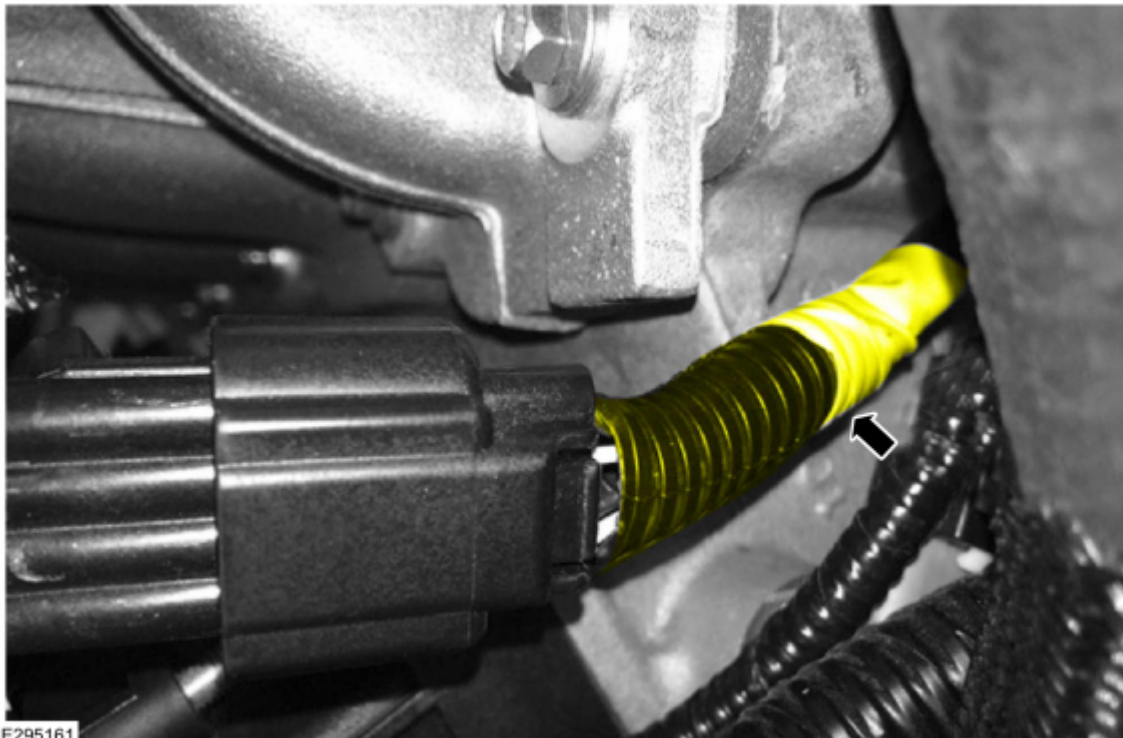
- Remove the air cleaner cover and air cleaner outlet pipe. Refer to Workshop Manual (WSM), Section 303-12.
- Loosen the clamp on the turbocharger intake pipe and position aside. (Figure 2)

Figure 2



6. Drain the cooling system. Refer to WSM, Section 303-03.
7. Remove the bolts and position the coolant outlet aside. Refer to WSM, Section 303-03.
8. Disconnect knock sensor C109. Refer to WSM, Section 303-14.
9. Repair any damaged wiring. Refer to Cell 5 in the Wiring Diagram.
10. Install a 63.5 mm (2.5 inch) piece of convoluted tubing over the harness and secure it with electrical tape. Connect knock sensor C109. (Figure 3)

Figure 3



11. Position the coolant outlet and tighten the bolts to 10 Nm (89 lb. in.). Refer to WSM, Section 303-03.
12. Connect the turbocharger intake pipe and tighten the clamp to 5 Nm (44 lb. in.).

**13.** Install the air cleaner outlet pipe and air cleaner cover. Refer to WSM, Section 303-12.

**14.** Fill and bleed the cooling system. Refer to WSM, Section 303-03.

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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.