



TECHNICAL SERVICE BULLETIN

3.7L Ti-VCT - Illuminated Malfunction Indicator Lamp (MIL) - Diagnostic Trouble Code (DTC) P0420 And/Or P0430

18-2138

15 May 2018

Model:

Ford
2013-2018 Police Interceptor Utility

Issue: Some 2013-2018 Police Interceptor Utility vehicles equipped with a 3.7L Twin independent-Variable Camshaft Timing (Ti-VCT) engine may exhibit an illuminated MIL with DTC P0420 and/or P0430.

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

Parts

Part Number	Description	Quantity
W716011-S430	Exhaust Manifold To Cylinder Head Stud Nut	12
W712244-S300	Exhaust Manifold To Cylinder Head Stud	12
W714265-S441	Y-Pipe Nut	8
DA5Z-9450-A	Y-pipe To Tail Pipe Gasket	1
7T4Z-9450-AA	Y-Pipe Gasket	2
DG1Z-9448-A	Exhaust Manifold To Cylinder Head Gasket	2
FB5Z-5G232-A	2016-2018 Catalytic Converter, Left Side	1
FB5Z-5G232-B	2016-2018 Catalytic Converter, Right Side	1
DA8Z-5G232-C	2013-2015 Catalytic Converter, Left Side	1
DA8Z-5G232-D	2013-2015 Catalytic Converter, Right Side	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
2013-2015 Police Utility FWD 3.7L: Check DTCs, Replace The Right Hand Catalytic Converter And Reprogram The PCM If Required (Do Not Use With Any Other Labor Operations Except MT Listed In This Article)	182138A	2.0 Hrs.
2013-2015 Police Utility AWD 3.7L: Check DTCs, Replace The Right Hand Catalytic Converter And Reprogram The PCM If Required (Do Not Use With Any Other Labor Operations Except MT Listed In This Article)	182138A	2.3 Hrs.
2016-2018 Police Utility AWD 3.7L: Check DTCs, Replace The Right Hand Catalytic Converter (Do Not Use With Any Other Labor Operations Except MT Listed In This Article)	182138A	2.2 Hrs.
2013-2015 Police Utility FWD 3.7L: Check DTCs, Replace The Left Hand Catalytic Converter And Reprogram The PCM If Required (Do Not Use With Any Other Labor Operations Except MT Listed In This Article)	182138B	1.6 Hrs.
2013-2015 Police Utility AWD 3.7L: Check DTCs, Replace The Left Hand Catalytic Converter And Reprogram The PCM If Required (Do Not Use With Any Other Labor Operations Except MT Listed In This Article)	182138B	1.7 Hrs.
2016-2018 Police Utility AWD 3.7L: Check DTCs, Replace The Left Hand Catalytic Converter	182138B	1.7

(Do Not Use With Any Other Labor Operations Except MT Listed In This Article)		Hrs.
2013-2015 Police Utility FWD 3.7L: Check DTCs, Replace Both Right And Left Hand Catalytic Converters And Reprogram The PCM If Required (Do Not Use With Any Other Labor Operations Except MT Listed In This Article)	182138C	2.9 Hrs.
2013-2015 Police Utility AWD 3.7L: Check DTCs, Replace Both Right And Left Hand Catalytic Converters And Reprogram The PCM If Required (Do Not Use With Any Other Labor Operations Except MT Listed In This Article)	182138C	3.2 Hrs.
2016-2018 Police Utility AWD 3.7L: Check DTCs, Replace Both Right And Left Hand Catalytic (Do Not Use With Any Other Labor Operations Except MT Listed In This Article)	182138C	3.1 Hrs.
Additional Time To Be Claimed When The Repair Of Broken Exhaust Studs Is Necessary (Can Be Claimed With Operation A, B Or C Listed In This Article)	MT182138	Actual Time

Repair/Claim Coding

Causal Part:	5G232
Condition Code:	42

Service Procedure

- Using the appropriate Ford scan tool or equivalent, retrieve DTCs. Are P0420 and/or P0430 the only DTCs stored in the powertrain control module (PCM)?
 - Yes - replace the affected catalytic converter per the DTC. Refer to Workshop Manual (WSM), Section 309-00.
 - No – this article does not apply. Refer to Powertrain Control/Emission Diagnosis (PC/ED) Manual for normal diagnostics.
- Is the vehicle built on or before 25-Apr-2014?
 - Yes - reprogram the PCM using the appropriate Ford scan tool release 90.02 or higher. Make sure you are connected to the internet when entering module programming to obtain the latest updates.
 - No - repair is complete.

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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.