



# TECHNICAL SERVICE BULLETIN

## 3.5L/3.7L Ti-VCT - Inoperative Police Option Accessory Requiring Hardwired Vehicle Speed Output (VSOUT) Signal

**18-2323**  
23 October  
2018

This bulletin supersedes 17-2186. Reason for update: Concern Carryover to New Model

### Model:

<b>Ford</b> 2016-2018 Police Interceptor - Sedan
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### Summary

This article supersedes TSB 17-2186 to update the vehicle model years affected.

**Issue:** Some 2016-2018 Police Interceptor Sedan vehicles equipped with a 3.5L/3.7L Twin independent Variable Camshaft Timing (Ti-VCT) engine may exhibit an inoperative police option accessory that requires a hardwired vehicle speed signal.

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

### Parts

Part Number	Description	Quantity
GG1Z-12A650-BHANP	Powertrain Control Module	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
2016-2018 Police Interceptor Sedan 3.5L Ti-VCT/3.7L Ti-VCT: Replace The PCM Includes Time To Verify Wire Connection And Reprogram The PCM	182323A	0.9 Hrs.
Additional Time To Be Claimed When Its Necessary To Remove And Install Police Equipment To Complete The Repair (Can Be Claimed With Operation A)	MT182323	Actual Time

### Repair/Claim Coding

Causal Part:	12A650
Condition Code:	42

### Tool List

Drive	Tool Name
1/4"	Power Tool
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	10 mm Socket
3/8"	Power Tool
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	15 mm Socket

Drive	Tool Name
	Phillips Screwdriver
	Plastic Trim Tool

## Service Procedure

1. Is the accessory connected to circuit VMC05 for vehicle speed signal? Refer to Wiring Diagram, Cell 24-13.

(1). Yes - proceed to Step 2.

(2). No - this article does not apply.

2. Replace the powertrain control module (PCM). Refer to Workshop Manual (WSM), Section 303-14.

3. Program the PCM using the latest software level of the appropriate Ford diagnostic scan tool.

(1). NOTE: ADVISE THE CUSTOMER THAT THIS VEHICLE IS EQUIPPED WITH AN ADAPTIVE TRANSMISSION SHIFT STRATEGY WHICH ALLOWS THE VEHICLE'S COMPUTER TO LEARN THE TRANSMISSION'S UNIQUE PARAMETERS AND IMPROVE SHIFT QUALITY. WHEN THE ADAPTIVE STRATEGY IS RESET, THE COMPUTER WILL BEGIN A RE-LEARNING PROCESS. THIS RE-LEARNING PROCESS MAY RESULT IN FIRMER THAN NORMAL UPSHIFTS AND DOWNSHIFTS FOR SEVERAL DAYS.

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