

HD: Misfire Detection Monitor Introduction

[HD: Pinpoint Tests](#) →



WARNING: CROWN VICTORIA POLICE INTERCEPTOR VEHICLES EQUIPPED WITH FIRE SUPPRESSION SYSTEM, REFER TO SECTION 419-03 FOR IMPORTANT SAFETY WARNINGS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.

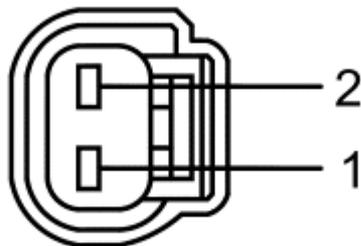
Note: Mechanical noise caused by the front end accessory drive components, mechanically driven cooling fans, or rough roads at high RPM with light load conditions may produce a non-symmetrical loss of cylinder acceleration, which may result in a misfire.

This pinpoint test is intended to diagnose the misfire detection monitor.

Clearing the powertrain control module (PCM) diagnostic trouble codes (DTCs) erases any PCM recorded freeze frame data. Make sure to record any PCM freeze frame information before proceeding. Refer to Section 2, [Freeze Frame Data](#).

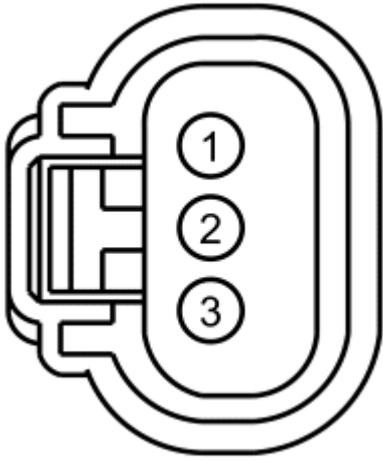
Camshaft Position (CMP) Sensor Connector

A



A0077505

B

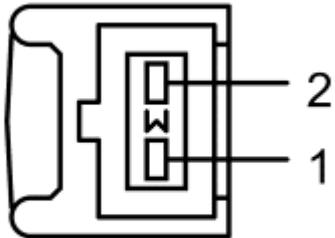


C



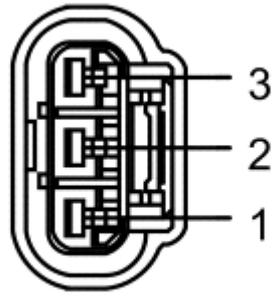
N0073033

D



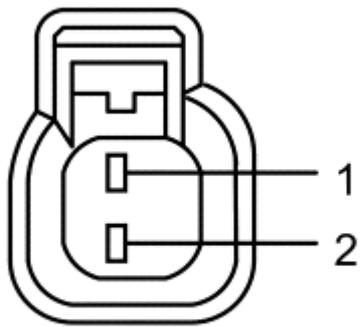
A0077522

E



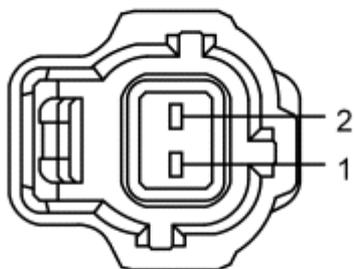
N0002293

F



A0077525

G



A0077560



Vehicle	Connector	Pin	Circuit
Crown Victoria, E-Series 6.8L, Explorer 4.6L, Explorer Sport Trac 4.6L, F-Super Duty, Grand Marquis, Mountaineer 4.6L, Mustang, Town Car	A	1 2	SIGRTN CMP
Escape/Mariner 2.5L, Focus	B	3 2	SIGRTN CMP
Escape/Mariner 3.0L	C	3 2	SIGRTN CMP
Explorer 4.0L, Explorer Sport Trac 4.0L, Mountaineer 4.0L, Mustang 4.0L, Ranger 4.0L	D	2 1	SIGRTN CMP
Fusion 2.3L, Milan 2.3L	E	3 2	SIGRTN CMP
Fusion 3.0L, Milan 3.0L	F	1	CMP
Ranger 2.3L	G	1 2	SIGRTN CMP
All other vehicles	A	2	CMP

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