

HK: Variable Camshaft Timing (VCT) Introduction

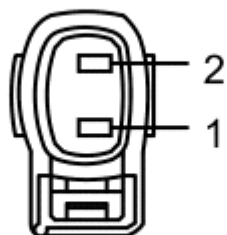
[HK: Pinpoint Tests](#) ➔

This pinpoint test is intended to diagnose the following:

- VCT solenoid (6L713) or (6B297)
- spider assembly right bank (6C260) or left bank (6C261)
- harness circuits: VPWR and VCT
- powertrain control module (PCM) (12A650)

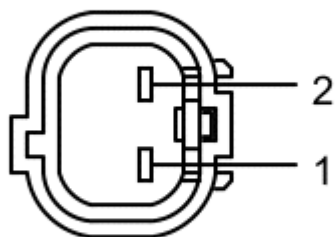
Variable Camshaft Timing Bank 1 (VCT1) Solenoid Connector

A



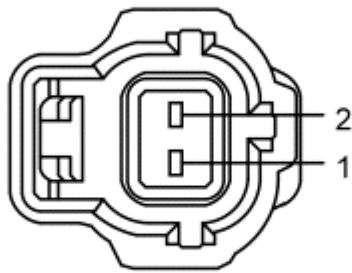
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B



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C

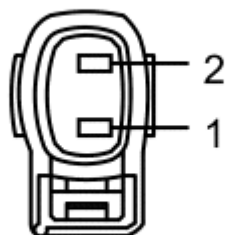


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Vehicle	Connector	Pin	Circuit
Edge, Flex, Fusion 3.0L, Milan 3.0L, MKS, MKX, MKZ, Sable, Taurus, Taurus X	A	1 2	VPWR VCT1
Fusion 2.3L, Milan 2.3L	B	2 1	VPWR VCT1
All other vehicles	C	1 2	VPWR VCT1

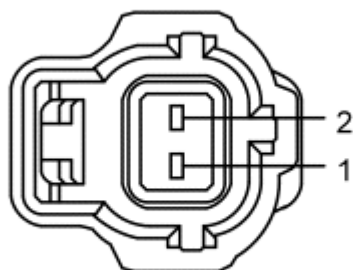
Variable Camshaft Timing Bank 2 (VCT2) Solenoid Connector

A



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B



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Vehicle	Connector	Pin	Circuit
Edge, Flex, Fusion 3.0L, Milan 3.0L, MKS, MKX, MKZ, Sable, Taurus, Taurus X	A	1 2	VPWR VCT2
All other vehicles	B	1 2	VPWR VCT2

Powertrain Control Module (PCM) Connector

For PCM connector views or reference values, refer to [Section 6](#).

Vehicle	Connector	Pin	Circuit
Escape/Mariner 3.0L, Expedition, F-150, Navigator	190-Pin	B67, B68 E68 E67	VPWR VCT2 VCT1
Escape/Mariner 2.5L	190-Pin	B67, B68 E67	VPWR VCT1
Explorer, Explorer Sport Trac, F-Super Duty, Mountaineer, Mustang	170 Pin	B35, B36 E68 E67	VPWR VCT2 VCT1

Fusion 3.0L, Milan 3.0L, MKZ	140 Pin	B51, B52 E68 E67	VPWR VCT2 VCT1
Fusion 2.3L, Milan 2.3L	140 Pin	B51, B52 E67	VPWR VCT1
All other vehicles	190-Pin	B51, B52, B53 E68 E67	VPWR VCT2 VCT1

[HK: Pinpoint Tests](#) ➡
