

B: Powertrain Control Module (PCM) Power Relay

[B: Pinpoint Tests](#) ➔

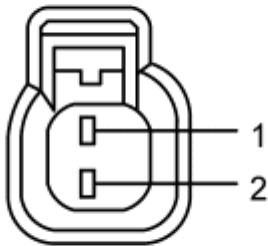
Introduction

Note: The IGN START/RUN and ground circuits, or the B+ and VPWR circuits may be reversed in the harness connector. Refer to the Wiring Diagrams Manual Electronic Engine Control Cell for schematic and connector information.

This pinpoint test is intended to diagnose the following:

- harness circuits: B+, IGN START/RUN, INJPWRM, ISP-R, PCMRC, VPWR and GND
- PCM power relay (12A646)
- PCM (12A650)

Injector (INJ) Connector

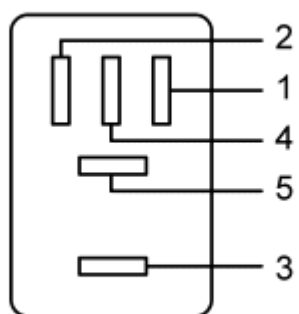


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Vehicle	Connector	Pin	Circuit
Fusion 3.0L, Milan 3.0L	A	1	VPWR
All other vehicles	A	2	VPWR

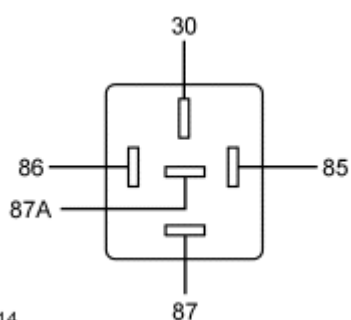
Powertrain Control Module Power (PCM Power) Relay Connector

A



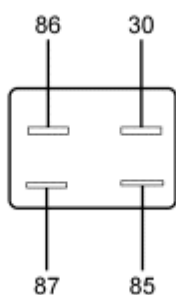
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B



N0073014

C



N0047959

Vehicle	Connector	Pin	Circuit
Crown Victoria, Grand Marquis	A	5 2 1 3	VPWR GND IGN START/RUN B+
Escape/Mariner, Focus	A	3 2 1, 5	VPWR PCMRC B+
Expedition, F-Super Duty, Flex,	B	87 86 30, 85	VPWR PCMRC B+

Fusion, Milan, MKS, MKZ, Navigator, Sable, Taurus, Taurus X			
Explorer, Explorer Sport Trac, Mountaineer	B	87 85 30, 86	VPWR PCMRC B+
Mustang	C	87 85 30, 86	VPWR PCMRC B+
All other vehicles	B	87 85 86 30	VPWR GND IGN START/RUN B+

Powertrain Control Module (PCM) Connector

Vehicle	Connector	Pin	Circuit
Crown Victoria, Grand Marquis, Ranger, Town Car	170 Pin	B35, B36	VPWR
E-Series 6.8L, F-Super Duty	170 Pin	E23 B35, B36 B31 B37	INJPWRM VPWR ISP-R PCMRC
Edge, Flex, MKS, MKX, Sable, Taurus, Taurus X	190-Pin	B33 B51, B52, B53 B7 B8	INJPWRM VPWR ISP-R PCMRC
Explorer, Explorer Sport Trac, Mountaineer	170 Pin	B35, B36 B46 B37	VPWR ISP-R PCMRC
F-150 2V 4.6L	190-Pin	B67, B68 B17 B40	VPWR ISP-R PCMRC
Fusion, Milan, MKZ	140 Pin	B45 B51, B52 B37 B35	INJPWRM VPWR ISP-R PCMRC
Mustang	170 Pin	E23 B35, B36 B46 B37	INJPWRM VPWR ISP-R PCMRC

All other vehicles	190-Pin	B21 B67, B68 B42 B38	INJPWRM VPWR ISP-R PCMRC
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