

QA: Unable to Activate Self-Test/Network Communication Error

Introduction

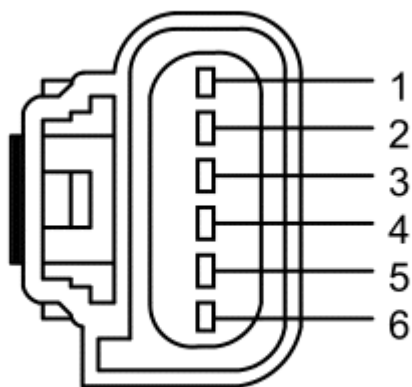
[QA: Pinpoint Tests](#) ➔

This pinpoint test is intended to diagnose the following:

- unable to communicate with powertrain control module (PCM)
- unable to activate the PCM self-test
- incorrect self-test procedure
- harness circuits: ISP-R, PCMRC, PWRGND and VPWR

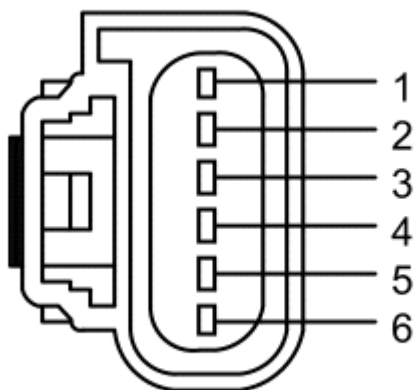
Electronic Throttle Body Throttle Position Sensor (ETBTPS) Connector

A



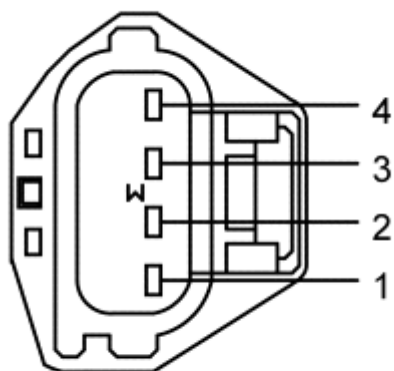
A0077520

B



A0094772

C

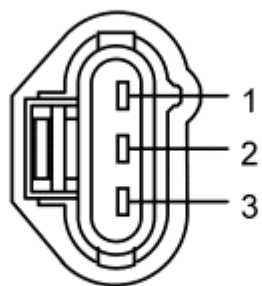


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Vehicle	Connector	Pin	Circuit
E-Series 4.6L, Edge, F-150 2V 4.6L, Flex, Focus, MKS, MKX, MKZ, Sable, Taurus, Taurus X	A	2 3	ETCRTN ETCREF
Escape/Mariner, F-150 3V 4.6L, Fusion 3.0L, Milan 3.0L	B	4 5	ETCRTN ETCREF
Fusion 2.3L, Milan 2.3L	B	3 5	ETCRTN ETCREF
All other vehicles	C	3 2	ETCRTN ETCREF

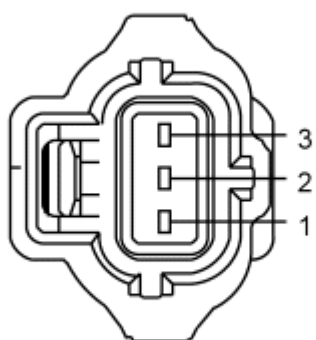
Throttle Position (TP) Sensor Connector

A



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B



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Vehicle	Connector	Pin	Circuit
Ranger 4.0L	A	3	SIGRTN
		1	VREF
Ranger 2.3L	B	1	SIGRTN
		3	VREF

Powertrain Control Module (PCM) Connector

Vehicle	Connector	Pin	Circuit
Crown Victoria, Grand Marquis, Ranger, Town Car	170 Pin	B47, B48, B49, B50	PWRGND
		B35, B36	VPWR
E-Series 4.6L,	190-Pin	B22, B69, B70	PWRGND

E-Series 5.4L, Expedition, F-150 3V 4.6L, F-150 5.4L, Navigator		B67, B68 B38 B42	VPWR PCMRC ISP-R
E-Series 6.8L, F-Super Duty	170 Pin	B47, B48, B49, B50 B35, B36 B37 B31	PWRGND VPWR PCMRC ISP-R
Escape/Mariner, Focus	190-Pin	B69, B70 B67, B68 B38 B42	PWRGND VPWR PCMRC ISP-R
Explorer, Explorer Sport Trac, Mountaineer, Mustang	170 Pin	B47, B48, B49, B50 B35, B36 B37 B46	PWRGND VPWR PCMRC ISP-R
F-150 2V 4.6L	190-Pin	B22, B69, B70 B67, B68 B40 B17	PWRGND VPWR PCMRC ISP-R
Fusion, Milan, MKZ	140 Pin	B67, B68, B69 B51, B52 B35 B37	PWRGND VPWR PCMRC ISP-R
All other vehicles	190-Pin	B67, B68, B69, B70 B51, B52, B53 B8 B7	PWRGND VPWR PCMRC ISP-R

QA: Pinpoint Tests ➡
