

# JF: Integrated Ignition Coil On Plug Coils A Through J Failure Introduction

[JF: Pinpoint Tests](#) →

This pinpoint test is intended to diagnose the following:

- ignition coils (12029)
- ignition coil harness
- ignition coils relay
- powertrain control module (PCM) (12A650)

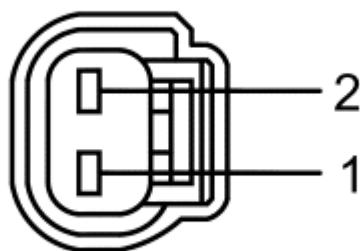
## Coil On Plug (COP) Connector

A



N0073029

B

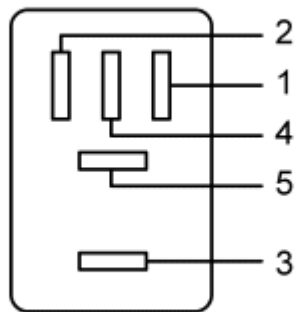


A0077505

Vehicle	Connector	Pin	Circuit
Edge, Flex, MKS,	A	1 3	COP IGN START/RUN

MKX, MKZ, Taurus, Taurus X, Sable			
Escape/Mariner, Focus, Fusion, Milan, Mustang 5.4L	B	1 2	COP IGN START/RUN
All other vehicles	B	2 1	COP IGN START/RUN

## Ignition Coils Relay Connector



A0077584

Pin	Circuit
1	GND (Ground)
2	IGN START/RUN (Ignition START/RUN)
5	B+ (Battery Positive Voltage)
3	VPWR (Vehicle Power)

## IGNITION COIL TO CYLINDER CORRELATION

Vehicle	Related DTC	Cylinder Number	Ignition Coil	Coil Driver (CD)	PCM Pin
2.5L Escape, Mariner	P0351	1	A	A	E54
	P0352	2	B	D	E50
	P0353	3	C	B	E55
	P0354	4	D	C	E33
2.0L Focus	P0351	1	A	A	E70
	P0352	2	B	D	E50

	P0353	3	C	B	E66
	P0354	4	D	C	E69
2.3L Fusion, Milan	P0351	1	A	A	E17
	P0352	2	B	D	E11
	P0353	3	C	B	E12
	P0354	4	D	C	E16
3.5L Edge, Flex, MKS, MKZ, Sable, Taurus, and Taurus X	P0351	1	A	A	E17
	P0352	2	B	C	E16
	P0353	3	C	E	E15
	P0354	4	D	B	E12
	P0355	5	E	D	E11
	P0356	6	F	F	E10
3.0L Escape, Mariner	P0351	1	A	A	E54
	P0352	2	B	C	E56
	P0353	3	C	E	E50
	P0354	4	D	B	E55
	P0355	5	E	D	E33
	P0356	6	F	F	E66
4.6L Crown Victoria, Explorer, Grand Marquis, Mountaineer, Mustang	P0351	1	A	A	E17
5.4L F250 - F550, Mustang	P0352	2	B	D	E11
	P0353	3	C	B	E12
	P0354	4	D	G	E14
	P0355	5	E	F	E10
	P0356	6	F	E	E15
	P0357	7	G	C	E16
	P0358	8	H	H	E9
4.6L E-Series, F-150	P0351	1	A	A	E54
5.4L E-Series, Expedition, F-150, Navigator	P0352	2	B	D	E65
	P0353	3	C	B	E55
	P0354	4	D	G	E33
	P0355	5	E	F	E50
	P0356	6	F	E	E66
	P0357	7	G	C	E56
	P0358	8	H	H	E17
6.8L E350, E450, F250 - F550	P0351	1	A	A	E17
	P0352	2	B	E	E11

	P0353	3	C	G	E12
	P0354	4	D	I	E14
	P0355	5	E	C	E10
	P0356	6	F	B	E15
	P0357	7	G	F	E16
	P0358	8	H	H	E9
	P0359	9	I	J	E13
	P0360	10	J	D	E8

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