

Z: Intermittent Introduction

[Z: 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.

This pinpoint test is intended to diagnose and isolate intermittent concerns for all electronic engine control (EEC) subsystems.

This chart is used to determine which test to run for the suspect circuit. PIDs corresponding to each circuit are listed. Some circuits do not have an associated PID or the PID may not be available and has to be measured with a digital multimeter (DMM). More specific information on the PID can be found in Section 6. If the vehicle has a coil pack system with a no start condition, carry out the ignition test.

PCM PIDS/SIGNALS

PCM/PIDS/SIGNALS	Associated Circuit	Test Type
ACCS	A/CCS	Input
ACET	ACET	Input
ACP	ACPSW	Input
AIR	AIR	Output
AIRM	AIRM	Input
APP1	APPS	Input
APP2	APPS	Input
APP3	APPS	Input
BPP/BOO	BPP	Input
BPA	BPS	Input
Use DMM	CD A-J (primary)	Output
CHT	CHT	Input
CKP	CKP	Input
CMP	CMP	Input
CPP/PNP	CPP	Input
DPFEGR	DPFE	Input
ECT	ECT	Input
EGRMC1	EGRMC1	Output
EGRMC2	EGRMC2	Output
EGRMC3	EGRMC3	Output
EGRMC4	EGRMC4	Output
EGRMDSD	EGRMC	Output
EVR	EVR	Output
EOT	EOT	Input
EPC, EPCV	EPC	Output

EVAPCV	CV	Output
EVAPPDC	VMV	Output
EVAPPF	VMV	Output
FANDC	VDF	Output
FANSS	FANSS	Input
FLI	FLI	Input
FP	FP	Output
FP M	FPM	Input
FRP	FRP	Input
FRT	FRT	Input
FTP	FTP	Input
HFC	HFC	Output
IAC	IAC	Output
IAT	IAT	Input
IAT2	IAT 2	Input
IMRC	IMRC	Output
IMRC1M	IMRCM	Input
IMTV1	IMTV1	Output
IMTV2	IMTV2	Output
KS1	KS1	Input
KS2	KS2	Input
LFC	LFC	Output
MAF, MAF V	MAF	Input
MAP V	MAP	Input
O2S11	HO2S11	Input
O2S12	HO2S12	Input
O2S13	HO2S13	Input
O2S21	HO2S21	Input
O2S22	HO2S22	Input
OSS	OSS	Input
PSP	PSP	Input
PSPT	PSP	Input
PTO	PTO	Input
TACM (+)	TACM (+)	Output
TACM (-)	TACM (-)	Output
TP1	TP1	Input
TP2	TP2	Input
TP	TP	Input
VCT1	VCT1	Output
VCT2	VCT2	Output
VPWR	VPWR	Input
Use DMM	VREF	Output
Use DMM	VSO	Output
VSS	VSS+	Input

	WAC	Output
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