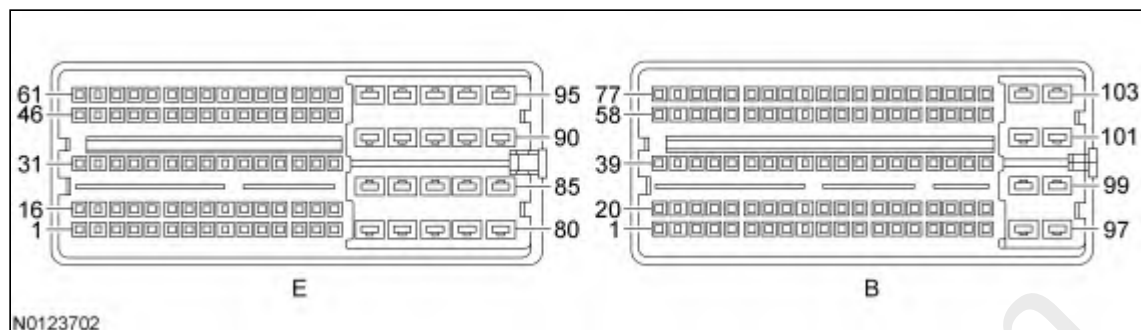


1.0L EcoSport**198 Pin PCM****Typical Diagnostic Reference Values**

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
AAT	AAT Sensor	16 (60.8)	16 (60.8)	16 (60.8)	16 (60.8)	DEG C (DEG F)
AAT_V	AAT Sensor	2.95	2.79	3.14	3.19	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	21	14	%
APP1	APP Sensor	0.81	0.81	1.49	1.27	VOLTS
APP1 (APP_D)	APP Sensor	16	16	29	25	%
APP2	APP Sensor	0.41	0.41	0.75	0.64	VOLTS
APP2 (APP_E)	APP Sensor	8	8	15	13	%
APP_MAXDIFF	PID	0	0	0	0	DEG
APP_MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/ PART PEDAL
BARO	PID	99 (14.36)	99 (14.36)	99 (14.36)	99 (14.36)	kPa (PSI)/
BARO_V	PID	3 94	3 94	3 94	3 94	VOLTS
BOO1	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BOO2	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BRKOV RD_POSS	PID	9	9	10	10	NUMERIC VALUE
BRKOV R_ACTION	PID	0	0	0	0	NUMERIC VALUE

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
CHT2	CHT2 Sensor	86 (186.8)	86 (186.8)	108 (226.4)	124 (255.2)	DEG C (DEG F)
CHT2_V	CHT2 Sensor	0.65	0.64	3.08	2.96	VOLTS
CLRDIST	PID	1 (0.62)	1 (0.62)	2 (1.24)	4 (2.49)	KM (MILES)
CPP_BOT	CPP Switch	NO	NO	NO	NO	YES/NO
CRNKCAS_PR	Crankcase Pressure Sensor	0 (0)	0.02 (0)	0.06 (0.01)	0.10 (0.01)	Pa (PSI)
CRNKCAS_P_V	Crankcase Pressure Sensor	0	3.94	3.95	3.97	VOLTS
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOV	PID	13 (8.08) (E)	13 (8.08) (E)	14 (8.70) (E)	17 (10.56) (E)	KM (MILES)
DTCCNT	PID	2	2	2	2	Numeric Value
ECT	ECT Sensor	78 (172.4)	77 (170.6)	91 (195.8)	92 (197.6)	DEG C (DEG F)
ECT1_V	ECT Sensor	0.84	0.86	0.60	0.59	VOLTS
EQ_RAT11	PID	0	1	1.01	1	Numeric Value
ETC_ACT	PID	14.41	4.86	12.89	32.08	DEG
ETC_TRIM	PID	-0.16	-0.16	-0.25	-0.25	DEG
FLI	Fuel Level Sensor	83 (H)	82 (H)	77 (H)	82 (H)	%
FPM	PID	40	40	40	40	%
FRP	FRP Sensor	4230 (613.51)	3010 (436.56)	3130 (453.97)	11610 (1683.89)	kPa (PSI)
FRT_A	FRT Sensor	16 (60.8)	16 (60.8)	16 (60.8)	16 (60.8)	DEG C (DEG F)
FRT_V	FRT Sensor	0	0	0	0	VOLTS
FTP_V	FTP Sensor	2.63	2.63	1.62	2.34	VOLTS
HTRCM11	HO2S11 Sensor	0	0	1.41	1.41	A
HTRCM12	HO2S12 Sensor	0	0	1.55	1.55	A
IAT	IAT Sensor	39 (102.2)	36 (96.8)	19 (66.2)	18 (64.4)	DEG C (DEG F)
IAT1_V	IAT Sensor	1.80	1.93	2.69	2.75	VOLTS
IAT2_V	IAT2 Sensor	1.50	1.59	2.41	2.46	VOLTS
KNK_CNTR_CYL1	PID	0	0	0	0	COUNT
KNK_CNTR_CYL2	PID	0	0	0	0	COUNT
KNK_CNTR_CYL3	PID	0	0	0	0	COUNT
KNOCK_1	KS1 Sensor	198	54	34	60	COUNT
LOAD	PID	0.00 (I)	31	18	48	%
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
MAP	MAP Sensor	100 (14.50)	36 (5.22)	55 (7.98)	27 (3.92)	kPa (PSI)
MAP_V	MAP Sensor	1.62	0.63	0.92	0.56	VOLTS
MIL_DIS	PID	0	0	0	0	KM (MILES)
MISFIRE	PID	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
MP_LRN	PID	TRUE	TRUE	TRUE	TRUE	TRUE/FALSE
NUM_MISFIRE	PID	0	0	0	0	COUNT
O2S11_CUR	HO2S11 Sensor	(I)	switching	switching	switching	mA/uA
O2S11_IMP	HO2S11 Sensor	4.93	1.01	1.02	1.02	VOLTS
O2S11_READY	HO2S11 Sensor	NO	YES	YES	YES	YES/NO
O2S11_TR	HO2S11 Sensor	0	0	0	0	Kohm
O2S12	HO2S12 Sensor	1.61 (I)	1.61 (D)	0.74 (D)	0.77 (D)	VOLTS
OCTADJ_R_LRND	PID	0	0	0	0	%
OSS_SRC	OSS Sensor	0	0	1330	2529	RPM
RO2FT1	PID	0	-0.02	0.02	-0.01	%
RPM	CKP Sensor	0	951	2472	1854	RPM
SHRTFT1	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TCBP	TCBP Sensor	100.1 (14.52)	100.4 (14.56)	105.3 (15.27)	138.4 (20.07)	kPa (PSI)
TCBP_V	TCBP Sensor	1.62	1.62	1.69	2.20	VOLTS
TP1_LRN_TRIM	ETBTPS	15.13	15.13	15.13	15.13	DEG
TP1_PER	ETBTPS	23	15	21	23	%
TP1_V	ETBTPS	3.84	4.22	3.93	3.86	VOLTS
TP2_LRN_TRIM	ETBTPS	15.13	15.13	15.13	15.13	DEG
TP2_PER	ETBTPS	23	15	21	23	%
TP2_V	ETBTPS	1.16	0.78	1.07	1.14	VOLTS
TP_MAXDIFF	PID	-0.06	0	0	-0.06	%
TP_REL	PID	11	4	8	23	VOLTS
TQ_CNTRL	PID	ANTI THEFT	IDLE SPEED CONTROL	NONE REQUESTED	CRUISE CONTROL	STATUS
TURBO_BP1_STAT	TCBY Valve	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
VCTSYS	PID	DISABLED	ENABLED	CLOSED LOOP	CLOSED LOOP	ENABLED/ DISABLED

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
VCT_EXH_ACT1	PID	0	-0.44	16.81	32.31	DEG
VCT_EXH_DIF1	PID	0	0.44	-3.63	-0.38	DEG
VCT_INT_ACT1	PID	0	0.38	-3.31	0.13	DEG
VCT_INT_DIF1	PID	0	-0.38	-9.50	-0.06	DEG
VSS	PID	0	0	48 km/h (30 MPH)	89 km/h (55 MPH)	km/h / MPH

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
AEIS_ACTION	PID	0	0	0	0	NUMERIC VALUE
AEIS_POSS	PID	83	83	86	86	NUMERIC VALUE
BOOSTP_EVAL	PID	YES	YES	NO	NO	YES/NO
CACC_FAN	Charge Air Cooler Cooling Fan	0	0	0	0	%
CACC_FANSTAT	Charge Air Cooler Cooling Fan	NO FAULT	NO FAULT	NO FAULT	NO FAULT	STATUS
DIST_AEIS	PID	0	0	0	0	KM (MILES)
ETC [TAC_PCT]	PID	11	6	16	40	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	0	99	25	%
EVAPCV	CANV Valve	0	0	0	0	%
EVAPPCT	PID	0	0	99	25	%
EVAPSOAK	PID	YES	YES	YES	YES	YES/NO
EVBV	EVAP Vapor Blocking Valve	0	0	100	100	%
FP	Fuel Pump Control Module	75	48	48	48	%
FRP_DSD	PID	370 (53.66)	2990 (433.66)	3040 (440.91)	11810 (1712.90)	kPa (PSI)
FUELSYS_CL	PID	NO	YES	YES	YES	YES/NO
FUELSYS_OL	PID	YES	NO	NO	NO	YES/NO
F_VCV	Fuel Injection Pump	0	2	5	11	%
HFC	PID	OFF	OFF	OFF	OFF	ON/OFF
HTR11	HO2S11 Sensor	OFF	ON	ON	ON	ON/OFF

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	ON/OFF
INJECTOR_OFF	Injector 1–3	----	----	----	----	-----/ DISABLE
LFC	PID	OFF	OFF	OFF	OFF	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	0	51	40	36	%
O2_DS_ DISBL	PID	YES	NO	NO	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
PCVHC	PCV Heater	0	0	0	0	%
SPARKADV	PID	0	5	49.50	37	DEG
TURBO_ BPASS	TCBY Valve	0	0	0	0	%
TURBO_ WGATE	Turbocharger Wastegate Regulating Valve Solenoid	18	66	28	24	%
VCT_EXH_ DC1	VCT12 Solenoid	0	0	43	46	%
VCT_INT_ DC1	VCT11 Solenoid	0	0	47	0	%

Other	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
VPWR	PID	VBAT	VBAT	VBAT	VBAT	VOLTS
VREF	PID	5	5	5	5	VOLTS

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