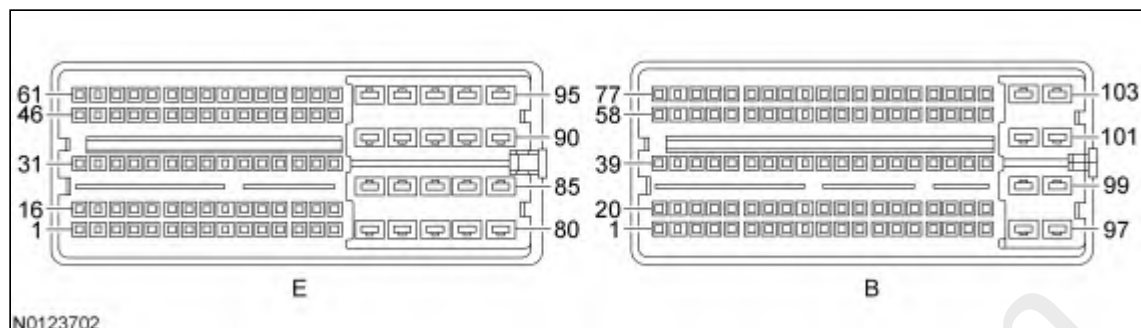


2.0L EcoSport**198 Pin PCM****Typical Diagnostic Reference Values**

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	-3 (26.6)	-3 (26.6)	-3 (26.6)	-8 (17.6)	DEG C (DEG F)
AAT_V	AAT Sensor	2.81	2.92	4	4.24	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	18	0	%
APP1	APP Sensor	0.77	0.77	1.34	0.77	VOLTS
APP1 (APP_D)	APP Sensor	15	15	27	15	%
APP2	APP Sensor	0.39	0.39	0.67	0.39	VOLTS
APP2 (APP_E)	APP Sensor	7	7	13	7	%
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	100 (14.50)	100 (14.50)	100 (14.50)	100 (14.50)	kPa (PSI)/
BARO_V	PID	3.98	3.98	3.98	3.98	VOLTS
BOO1	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BOO2	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BRKOV RD_POSS	PID	1	1	2	2	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)	
CATEMP11	CAT11 Sensor	521 (969.8)	535 (995)	682 (1259.6)	852 (1565.6)	DEG C (DEG F)
CHT	CHT Sensor	96 (204.8)	94 (201.2)	93 (199.4)	92 (197.6)	DEG C (DEG F)
CHT_V	CHT Sensor	3.47	3.52	3.56	3.58	VOLTS
CLRDIST	PID	0	0	0	2 (1.24)	KM (MILES)
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DTCcnt	PID	1	1	1	1	NUMERIC VALUE
ECT	ECT Sensor	90 (194)	92 (197.6)	93 (199.4)	88 (190.4)	VOLTS/DEG C (DEG F)
ECT1_V	ECT Sensor	0.60	0.57	0.59	0.58	VOLTS
EQ_RAT11	PID	0	1.02	0.99	0.98	RATIO
ETC_ACT	PID	8.85	1.14	5.20	21.10	DEG
ETC_TRIM	PID	-0.01	-0.01	-0.02	-0.02	DEG
FLI	Fuel Level Sensor	60 (H)	60 (H)	49 (H)	49 (H)	%
FLP	Fuel Pressure Sensor	509 (73.82)	584 (84.70)	549 (79.63)	549 (79.63)	kPa (PSI)
FLP_V	Fuel Pressure Sensor	3.95	3.80	3.59	3.59	VOLTS
FPM	PID	39	40	40	40	%
FRP	FRP Sensor	4570 (662.82)	2080 (301.68)	10020 (1453.28)	10020 (1453.28)	kPa (PSI)
FRP_V	FRP Sensor	1.28	0.85	2.20	2.20	VOLTS
FTP_V	FTP Sensor	2.64	2.66	1.86	1.86	VOLTS
HTRCM11	HO2S11 Sensor	0	0	1.40	1.50	A
HTRCM12	HO2S12 Sensor	0	0	1.40	1.50	A
IAT	IAT Sensor	25 (77)	13 (55.4)	3 (37.4)	3 (37.4)	DEG C (DEG F)
IAT1_V	IAT Sensor	2.40	3.02	3.49	3.49	VOLTS
INJPWR_M	PID	0	0	0	0	VOLTS
KNOCK_1	KS1 Sensor	167	75	78	173	COUNT
KNOCK_2	KS2 Sensor	167	84	107	209	COUNT
LOAD	PID	0.00 (I)	27	39	95	%
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAF	MAF Sensor	0	3.18	10.20	35.24	g/s
MAF_HZ	MAF Sensor	0.71	1.74	2.89	4.70	kHz
MIL_DIS	PID	0	0	0	0	KM (MILES)
MISFIRE	PID	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
MP_LRN	PID	YES	YES	YES	YES	YES/NO
NUM_MISFIRE	PID	0	0	0	0	COUNT
O2S11_CUR	HO2S11 Sensor	(I)	switching	switching	switching	mA/uA

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
O2S11_IMPED	HO2S11 Sensor	4.93	4.21	1.03	1.02	VOLTS
O2S11_READY	HO2S11 Sensor	FALSE	FALSE	TRUE	TRUE	TRUE/FALSE
O2S11_TR	HO2S11 Sensor	0	0	0	0	Kohm
O2S12	HO2S12 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
OCTADJ_R_LRND	PID	0	0	0	0	%
OSS_SRC	OSS Sensor	0	0	1311	2620	RPM
RO2FT1	PID	0	0	0.01	0.01	%
RPM	CKP Sensor	0	822	1954	2239	RPM
SHRTFT1	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TP1_PER	ETBTPS	17	10	12	23	%
TP1_V	ETBTPS	4.14	4.47	4.38	3.82	VOLTS
TP2_PER	ETBTPS	17	11	12	24	%
TP2_V	ETBTPS	0.87	0.53	0.63	1.18	VOLTS
TP_MAXDIFF	PID	0	0	0	0	%
TP_REL	PID	8	2	4	15	VOLTS
TQ_CNTRL	PID	ANTI THEFT	IDLE SPEED CONTROL	NONE REQUESTED	CRUISE CONTROL	STATUS
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
VCT_EXH_ACT1	PID	0	-0.38	23.88	17	DEG
VCT_EXH_DIF1	PID	0	0.38	-0.13	0	DEG
VCT_INT_ACT1	PID	0	-9.63	-0.50	-32.94	DEG
VCT_INT_DIF1	PID	0	-0.19	0.50	-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	1	1	1	1	NUMERIC VALUE

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
AEIS_POSS	PID	16	16	16	16	NUMERIC VALUE
DIST_ AEIS	PID	1 (0.62)	1 (0.62)	1 (0.62)	2 (1.24)	KM (MILES)
ETC [TAC_PCT]	PID	8	1	6	25	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	0	12	96	%
EVAPCV	CANV Valve	0	0	0	0	%
EVAPPCT	PID	0	0	11	96	%
EVAPSOAK	PID	NO	NO	NO	NO	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
EVBV	EVAP Vapor Blocking Valve	0	0	100	100	%
FP	Fuel Pump Control Module	75	26	30	30	%
FRP_DSD	PID	370 (53.66)	1990 (288.63)	9900 (1435.87)	9900 (1435.87)	kPa (PSI)
FUELSYS_CL	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
FUELSYS_OL	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
F_VCV	Fuel Injection Pump	0	1	21	21	%
HFC	PID	OFF	OFF	OFF	OFF	ON/OFF
HTR11	HO2S11 Sensor	OFF	ON	ON	ON	ON/OFF
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	ON/OFF
INJECTOR_ OFF	Injector 1–4	-----	-----	-----	-----	-----/ DISABLE
LFC	PID	OFF	OFF	OFF	OFF	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	0	87	40	37	%
O2_DS_ DISBL	PID	YES	NO	NO	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
RPMDS	PID	900	856	856	800	RPM
SPARKADV	PID	0	16.50	44.50	16	DEG
VCT_EXH_ DC1	VCT12 Solenoid	0	0	48	45	%
VCT_INT_ DC1	VCT11 Solenoid	0	32	0	40	%

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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