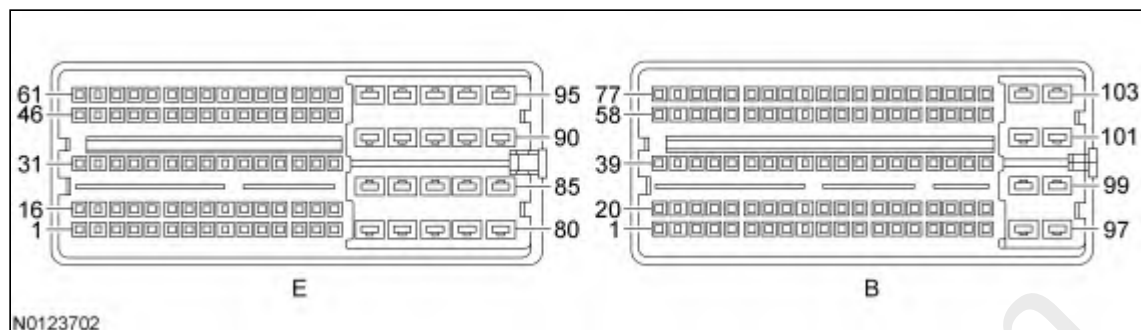
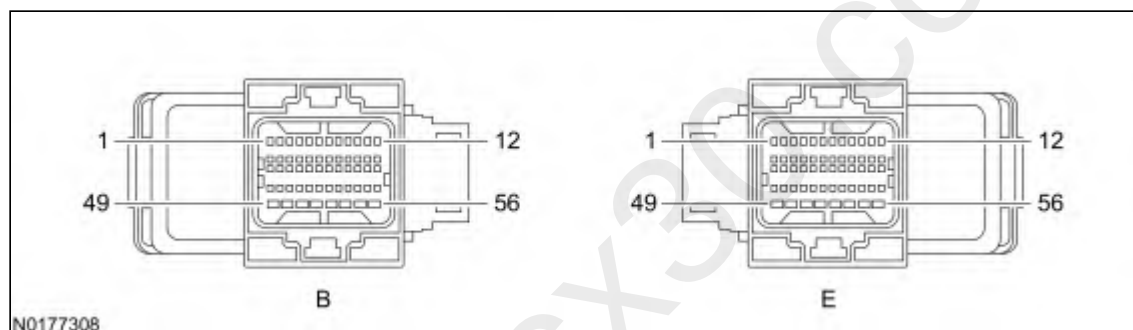


1.5L EcoSport**198 Pin PCM Automatic Transmission****112 Pin PCM Manual Transmission****Typical Diagnostic Reference Values**

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	12 (53.6)	12 (53.6)	11 (51.8)	10 (50)	DEG C (DEG F)
AAT_V	AAT Sensor	3.41	3.40	3.44	3.49	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	0	0	%
APP1	APP Sensor	0.83	0.83	0.83	0.83	VOLTS
APP1 (APP_D)	APP Sensor	16	16	16	16	%
APP2	APP Sensor	0.43	0.42	0.42	0.43	VOLTS
APP2 (APP_E)	APP Sensor	8	8	8	8	%
APP_MAXDIFF	PID	0	0	0	0	DEG

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
APP_ MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/ PART PEDAL
BARO	PID	99 (14.36)	99 (14.36)	100 (14.50)	100 (14.50)	kPa (PSI)/ Hz
BOO1	BPP Switch	TRUE	TRUE	FALSE	FALSE	TRUE/FALSE
BOO2	BPP Switch	TRUE	TRUE	FALSE	FALSE	TRUE/FALSE
BRKOV RD_ POSS	PID	177	177	178	178	NUMERIC VALUE
BRKOV R_ ACTION	PID	0	0	0	0	NUMERIC VALUE
CHT	CHT Sensor	0	0	0	0	DEG C (DEG F)
CHT2	CHT2 Sensor	100 (212)	103 (217.4)	106 (222.8)	112 (233.6)	DEG C (DEG F)
CHT2_V	CHT2 Sensor	3.34	3.27	3.15	2.94	VOLTS
CLRDIST	PID	1807 (1122.82)	1807 (1122.82)	1807 (1122.82)	1808 (1123.44)	KM (MILES)
CPP_ BOT (MT)	CPP Switch	NO	YES	YES	YES	YES/NO
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_ BRKOV RD	PID	3773 (2344.43)	3773 (2344.43)	3773 (2344.43)	3773 (2344.43)	KM (MILES)
DTCCNT	PID	1	1	1	1	NUMERIC VALUE
ECT	ECT Sensor	95 (203)	95 (203)	95 (203)	96 (204.8)	DEG C (DEG F)
ECT1_V	ECT Sensor	0.54	0.54	0.54	0.54	VOLTS
ETC_ ACT	PID	10.05	2.57	16.75	11-58	DEG
ETC_ TRIM	PID	-0.31	-0.31	-0.31	-0.31	DEG
FLI	Fuel Level Sensor	90 (H)	91 (H)	93 (H)	91 (H)	%
FPM	PID	0	100	100	100	%
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	0	0	0	0	VOLTS
HTRCM11	HO2S11 Sensor	0	0	0	0	mA
HTRCM12	HO2S12 Sensor	0	0	0	0	mA
IAT	IAT Sensor	34 (93.2)	34 (93.2)	32 (89.6)	27 (80.6)	DEG C (DEG F)
IAT1_V	IAT Sensor	2	2.01	2.10	2.33	VOLTS
INJPWR_ M	PID	12.55	14.40	14.38	14.35	VOLTS
KNOCK_ 1	KS11 Sensor	198	78	107	155	COUNT
LOAD	PID	0.00 (I)	32	69	29	%

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAP	MAP Sensor	99 (14.36)	37 (5.37)	76 (11.02)	46 (6.67)	kPa (PSI)
MAP_V	MAP Sensor	3.98	1.42	2.79	1.99	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
O2BANK1	PID	FALSE	TRUE	TRUE	FALSE	TRUE/FALSE
O2BANK2	PID	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
O2S11_READY	HO2S11 Sensor	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
O2S11_V	HO2S11 Sensor	0.26	0.84	0.90	0.35	VOLTS
O2S12	HO2S12 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
OCTADJ_R_LRND	PID	-0	-0	-0	-0	%
RO2FT1	PID	0	0	0	0	%
RPM	CKP Sensor	0	879	2590	3049	RPM
SHRTFT1	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TP1_LRN_TRIM	ETBTPS	9.25	9.25	9.25	9.25	DEG
TP1_PER	ETBTPS	18	10	21	30	%
TP1_V	ETBTPS	4.08	4.50	3.91	3.47	VOLTS
TP2_LRN_TRIM	ETBTPS	9.50	9.50	9.50	9.50	DEG
TP2_PER	ETBTPS	18	10	21	31	%
TP2_V	ETBTPS	0.93	0.51	1.11	1.54	VOLTS
TP_MAXDIFF	PID	-0.06	0.00	-0.19	-0.06	%
TP_REL	PID	9	1	13	22	VOLTS
TQ_CNTRL	PID	NONE REQUESTED	IDLE SPEED CONTROL	NONE REQUESTED	NONE REQUESTED	STATUS
VCTSYS	PID	DISABLED	ENABLED	ENABLED	ENABLED	ENABLED/DISABLED
VCT_EXH_ACT1	PID	0	0.63	22.19	24.25	DEG
VCT_EXH_DIF1	PID	0	-0.50	12.50	0.88	DEG
VCT_INT_ACT1	PID	0	0.31	0.56	-25.19	DEG

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
VCT_INT_DIF1	PID	0	-0.31	-0.56	0.19	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	0	0	0	0	NUMERIC VALUE
DIST_AEIS	PID	0	0	0	0	KM (MILES)
ETC [TAC_PCT]	PID	10	3	22	14	%
EVAPCP	EVAPCP Valve	0	0	91	81	%
EVAPPCT	PID	0	0	91	81	%
FP	Fuel Pump Control Module	0	100	100	100	%
HFC	PID	OFF	ON	ON	OFF	ON/OFF
HTR11	HO2S11 Sensor	OFF	ON	ON	ON	ON/OFF
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	ON/OFF
LFC	PID	OFF	OFF	OFF	OFF	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	0	0	0	0	%
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/DISABLED
PCVHC	PCV Heater	0	0	0	0	%
RPM_DSD	PID	900	886	875	875	RPM
SPARKADV	PID	0	0	27	20	DEG
VCT_EXH_DC1	VCT12 Solenoid	0	0	49	38	%
VCT_INT_DC1	VCT11 Solenoid	0	0	0	33	%

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

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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