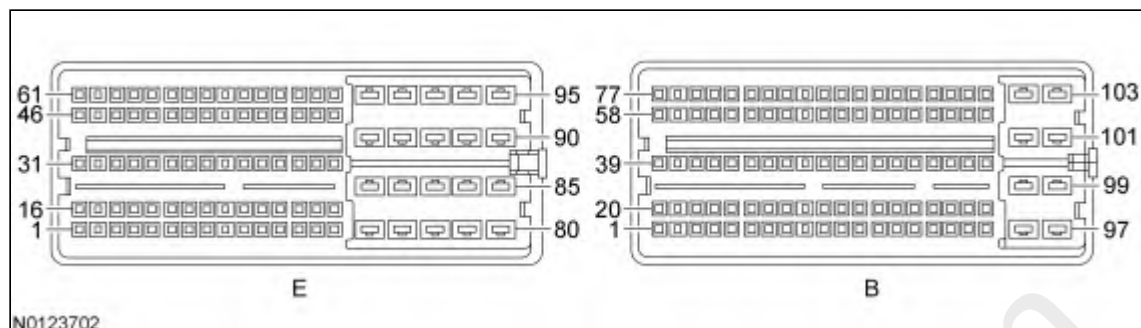


3.7L Continental**198 Pin PCM****Typical Diagnostic Reference Values**

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	17 (62.6)	17 (62.6)	19 (66.2)	17 (62.6)	DEG C (DEG F)
AAT_V	AAT Sensor	3.13	3.13	3.03	3.12	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	12.50	0	%
APP1	APP Sensor	0.78	0.78	1.19	0.85	VOLTS
APP1 (APP_D)	APP Sensor	15.68	15.68	23.92	16.47	%
APP2	APP Sensor	0.38	0.38	0.58	0.42	VOLTS
APP2 (APP_E)	APP Sensor	7.45	7.45	11.37	7.84	%
APP_MAXDIFF	PID	0	0	0	0	DEG
APP_MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/ PART PEDAL
B+	PID	12.05	14.08	14.13	14.08	VOLTS
BARO	PID	98 (14.21) 155.19	98 (14.21) 155.19	98 (14.21) 155.19	98 (14.21) 155.19	kPa (PSI)/ Hz
BOO1	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BOO2	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BRKOV RD_POSS	PID	82	82	83	83	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)	
CHT	CHT Sensor	0.61/87 (188.6)	0.60/87 (188.6)	3.23/101 (213.8)	3.36/97 (206.6)	VOLTS/DEG C (DEG F)
CLRDIST	PID	53.98 (33.54)	53.98 (33.54)	53.98 (33.54)	55.98 (34.78)	KM (MILES)
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_ BRKOVDR	PID	63.96 (39.74)	63.96 (39.74)	63.96 (39.74)	65.95 (40.98)	KM (MILES)
DTCCNT	PID	3	3	3	3	Numeric Value
EONV_RDY	PID	NOT READY	NOT READY	NOT READY	NOT READY	READY/NOT READY
EQ_RAT11	PID	0:1	0:1	14.15:1	14.7:1	RATIO
EQ_RAT21	PID	0:1	13.80:1	14.26:1	14.65:1	RATIO
ETC_ACT	PID	8.57	2.75	6.93	12.24	DEG
ETC_TRIM	PID	0.48	0.48	0.51	0.51	DEG
FLI	Fuel Level Sensor	14.90 (H)	14.90 (H)	14.11 (H)	12.94 (H)	%
FPM	PID	40.39	40.99	40.40	40.99	%
FTP	FTP Sensor	2.63/21 (0)	2.61/-5 (0)	2.62/12 (0)	2.07/-959 (-0.14)	VOLTS/Pa (PSI)
FTP_H2O	FTP Sensor	0.07	-0.03	0.03	-3.82	NUMERIC VALUE
HTRCM12	HO2S12 Sensor	0	0	0	0	mA
HTRCM22	HO2S22 Sensor	0	0	0	0	mA
IAT	IAT Sensor	1.88/37 (98.6)	1.94/36 (96.8)	1.54/46 (114.8)	1.68/42 (107.6)	VOLTS/DEG C (DEG F)
INJPWR_M	PID	11.99	14.05	14.02	14.02	VOLTS
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNOCK_1	KS1 Sensor	0	76	173	225	COUNT
KNOCK_2	KS2 Sensor	0	94	167	131	COUNT
LOAD	PID	0.00 (l)	36.86	36.07	45.49	%
LONGFT1	PID	(l)	-20 TO +20	-20 TO +20	-20 TO +20	%
LONGFT2	PID	(l)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAP	MAP Sensor	98 (14.21)	42 (6.09)	42 (6.09)	62 (8.99)	kPa (PSI)
MAP_GAUGE	MAP Sensor	(l)	59 (8.56)	59 (8.56)	39 (5.66)	kPa (PSI)
MAP_V	MAP Sensor	3.91	1.63	1.63	2.43	VOLTS
MIL_DIS	PID	0	0	0	0	KM (MILES)
MISFIRE	PID	NO	NO	NO	NO	YES/NO
MP_LRN	PID	YES	YES	YES	YES	YES/NO
NUM_ MISFIRE	PID	0	0	2	1	COUNT
O2S11_CUR	HO2S11 Sensor	(l)	switching	switching	switching	mA/uA
O2S11_ IMPED	HO2S11 Sensor	5	0.99	0.99	0.99	VOLTS

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
O2S11_READY	HO2S11 Sensor	NO	YES	YES	YES	YES/NO
O2S11_TR	HO2S11 Sensor	0	0	0	0	Kohm
O2S12	HO2S12 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
O2S21_CUR	HO2S21 Sensor	(I)	switching	switching	switching	mA/uA
O2S21_IMPED	HO2S21 Sensor	5	0.99	0.99	0.99	VOLTS
O2S21_READY	HO2S21 Sensor	NO	YES	YES	YES	YES/NO
O2S21_TR	HO2S21 Sensor	0	0	0	0	Kohm
O2S22	HO2S22 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
OSS_SRC	OSS Sensor	0	0	1149.75	2105.25	RPM
RO2FT1	PID	0	1.85	1.22	-0.75	%
RO2FT2	PID	0	1.00	1.23	1.00	%
RPM	CKP Sensor	0	592	1218.25	1733.25	RPM
SHRTFT1	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SHRTFT2	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TP1	ETBTPS	4.06/18.43	4.29/14.11	4.16/16.47	4.06/18.43	VOLTS/%
TP1_LRN_TRIM	ETBTPS	15.50	15.50	15.50	15.50	DEG
TP2	ETBTPS	1.29/25.49	0.82/16.47	1.09/21.56	1.27/25.09	VOLTS/%
TP2_LRN_TRIM	ETBTPS	7.87	7.87	7.87	7.87	DEG
TP_MAXDIFF	PID	0	0	0	0	%
TQ_CNTRL	PID	NONE REQUESTED	IDLE SPEED CONTROL	TORQUE BASED DECEL	NONE REQUESTED	STATUS
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
VCT_EXH_ACT1	PID	0	-0.25	19.43	34.50'	DEG
VCT_EXH_ACT2	PID	0	0	0.37	0.37	DEG
VCT_EXH_DIF1	PID	0	0.18	0.06	-0.31	DEG
VCT_EXH_DIF2	PID	0	0	-0.37	-0.37	DEG
VCT_INT_ACT1	PID	0	0.25	-19.06	-33.68	DEG
VCT_INT_ACT2	PID	0	0	-18.93	-33.56	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	0.12	-0.37	-1.18	DEG
VCT_INT_DIF2	PID	0	0.50	-0.43	-0.93	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)	
CYL_1-6_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +1	NUMERIC VALUE
ETC [TAC_PCT]	PID	9.41	2.74	6.27	6.66	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	8.71	8.03	87.09	%
EVAPCV	CANV Valve	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPPCT	PID	0	8.62	7.84	87.05	%
EVAPSOAK	PID	YES	YES	YES	YES	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
FP	Fuel Pump Control Module	75/OFF	36.10/ON	36.05/ON	36.10/ON	%/ON/OFF
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
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
HTR21	HO2S21 Sensor	OFF	ON	ON	ON	ON/OFF
HTR22	HO2S22 Sensor	OFF	ON	ON	ON	ON/OFF
INJ1-6_OFF	Injector 1-6	----	----	----	----	----/ DISABLE
LFC	PID	OFF	OFF	OFF	OFF	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	0	100	17.25	15.29	%
O2S21_HTR	HO2S21 Sensor	0	100	17.25	13.72	%
O2_DS_DISBL	PID	YES	YES	YES	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
SPARKADV	PID	27.50	9	38	34.75	DEG
VCT_EXH_DC1	VCT12 Solenoid	0	0	0	0	%
VCT_EXH_DC2	VCT22 Solenoid	0	0	0	0	%
VCT_INT_DC1	VCT11 Solenoid	0	0	45.88	45.72	%
VCT_INT_DC2	VCT21 Solenoid	0	0	51.41	49.60	%

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