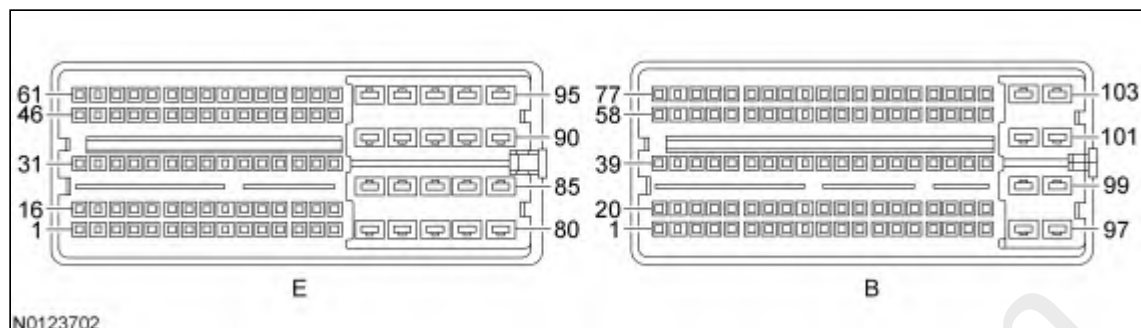


6.2L E-Series**198 Pin PCM****Typical Diagnostic Reference Values**

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	3.50	18	%
APP1	APP Sensor	0.76	0.76	0.88	1.33	VOLTS
APP1 (APP_D)	APP Sensor	14.90	14.90	17.64	26.66	%
APP2	APP Sensor	0.38	0.38	0.44	0.67	VOLTS
APP2 (APP_E)	APP Sensor	7.45	7.45	8.62	13.33	%
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	12.36	13.49	13.62	13.54	VOLTS
BARO	PID	93 (13.49) 150.62	93 (13.49) 150.62	93 (13.49) 150.62	104 (15.08) 160.42	kPa (PSI)/ Hz
BOO1	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BOO2	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BRKVRD_POSS	PID	1	1	2	2	NUMERIC VALUE
BRKVR_ACTION	PID	0	0	0	0	NUMERIC VALUE
CHT	CHT Sensor	0.60/85 (185)	3.65/87 (188.6)	0.56/87 (188.6)	3.56/89 (192.2)	VOLTS/DEG C (DEG F)

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
CLRDIST	PID	0	0	0	2 (1.24)	KM (MILES)
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_ BRKOVDR	PID	0.5 (0.31)	0.5 (0.31)	0.5 (0.31)	1.99 (1.24)	KM (MILES)
DTCCNT	PID	0	0	0	0	Numeric Value
EONV_RDY	PID	NOT READY	NOT READY	NOT READY	NOT READY	READY/NOT READY
EQ_RAT11	PID	0:1	13.74:1	15.22:1	14.33:1	RATIO
EQ_RAT21	PID	0:1	13.73:1	14.78:1	14.43:1	RATIO
ETC_ACT	PID	8.22	4.62	3.67	9.30	DEG
ETC_TRIM	PID	-0.08	-0.08	0.09	0.09	DEG
FANSS	FS Sensor	0	500	425	500	RPM
FF_INF	PID	9.80	9.80	9.80	9.80	%
FF_LRND	PID	NO	NO	YES	YES	YES/NO
FLI	Fuel Level Sensor	69.41 (H)	70.58 (H)	74.11 (H)	67.45 (H)	%
FPM	PID	60.60	60.99	60.99	61.02	%
FTP	FTP Sensor	2.63/21 (0)	2.63/21 (0)	2.57/-82 (-0.01)	2.37/-443 (-0.06)	VOLTS/Pa (PSI)
FTP_H2O	FTP Sensor	0.07	0.07	-0.37	-1.79	NUMERIC VALUE
HTRCM11	HO2S11 Sensor	0	0	0	0	mA
HTRCM12	HO2S12 Sensor	0	0	0	0	mA
HTRCM21	HO2S21 Sensor	0	0	0	0	mA
HTRCM22	HO2S22 Sensor	0	0	0	0	mA
IAT	IAT Sensor	1.76/41 (105.8)	1.82/39 (102.2)	2.38/26 (78.8)	2.41/25 (77)	VOLTS/DEG C (DEG F)
INJPWR_M	PID	12.46	13.63	13.70	13.80	VOLTS
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNOCK_1	KS1 Sensor	0	73	103	136	COUNT
KNOCK_2	KS2 Sensor	0	71	167	161	COUNT
LOAD	PID	0.00 (I)	25.88	52.94	37.25	%
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
LONGFT2	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAF	MAF Sensor	2.57	6.51	19.07	22.88	g/s
MAF_HZ	MAF Sensor	680.25	2.20	3.31	3.59	kHz
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	2	COUNT

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
O2S11_CUR	HO2S11 Sensor	(I)	switching	switching	switching	mA/uA
O2S11_IMPED	HO2S11 Sensor	5	0.06	0.09	0.09	VOLTS
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	HO2S21 Sensor	(I)	switching (C)	switching (C)	switching (C)	VOLTS
O2S21_CUR	HO2S21 Sensor	(I)	switching	switching	switching	mA/uA
O2S21_IMPED	HO2S21 Sensor	5	0.06	0.09	0.09	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	1333	2597.25	RPM
PTOIR_V	PID	0	0	0	0	VOLTS
RO2FT1	PID	0	-0.39	-1.07	-2.16	%
RO2FT2	PID	0	-0.36	-1.07	-2.19	%
RPM	CKP Sensor	0	628.25	1212.50	1760.50	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	4.17/16.47	4.35/12.94	4.15/18.43	3.62/27.45	VOLTS/%
TP1_LRN_TRIM	ETBTPS	8.87	8.87	8.87	8.87	DEG
TP2	ETBTPS	0.82/16.47	0.65/12.54	0.73/18.43	1.15/27.45	VOLTS/%
TP2_LRN_TRIM	ETBTPS	8.75	8.75	8.75	8.75	DEG
TP_MAXDIFF	PID	0	0	0	-0.06	%
TQ_CNTRL	PID	NONE REQUESTED	IDLE SPEED CONTROL	NONE REQUESTED	TORQUE BASED DECEL	STATUS
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
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

Outputs	Component/PID Only	Measured/48 KM/H (30 MPH)				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
CYL_1-8_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +1	NUMERIC VALUE
ETC [TAC_PCT]	PID	9.02	5.09	3.92	10.98	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	0	37.98	82.85	%
EVAPCV	CANV Valve	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPSOAK	PID	YES	YES	YES	YES	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
FANDC	PID	0	0	0	0	%
FAN_DSD	PID	0	199.99	199.99	199.99	%
FP	Fuel Pump Control Module	75/OFF	34.40/ON	33.89/ON	33.96/ON	%/ON/OFF
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
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
INJ1-8_OFF	Injector 1-8	-----	-----	-----	-----	-----/ DISABLE
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	20.78	60	36.86	27.84	%
O2S21_HTR	HO2S21 Sensor	20.78	61.17	37.25	30.19	%
O2_DS_DISBL	PID	YES	NO	NO	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
PTOIL	PTO Lamp	OFF	OFF	OFF	OFF	ON/OFF
SPARKADV	PID	29.50	19.75	38.50	46.75	DEG
VCTADV	PID	0	0	34.56	34.93	DEG
VCTADV2	PID	0	-0.12	34.56	35	DEG
VCTADVERR	PID	0	0	-0.06	0.18	DEG
VCTADVERR2	PID	0	0.12	0	0.12	DEG
VCTDC	VCT1 Solenoid	0	0	53.19	53.02	%
VCTDC2	VCT2 Solenoid	0	0	52.27	51.84	%

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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