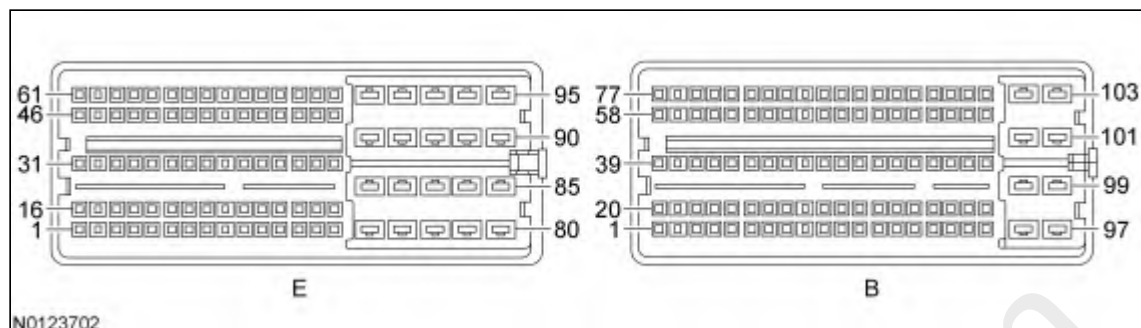


6.8L F-650 / F-750**198 Pin PCM****Typical Diagnostic Reference Values**

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	21 (69.8)	21 (69.8)	22 (71.6)	22 (71.6)	DEG C (DEG F)
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	14	10	%
APP1	APP Sensor	0.76	0.76	1.20	1.09	VOLTS
APP1 (APP_D)	APP Sensor	15.29	14.90	23.92	21.56	%
APP2	APP Sensor	0.39	0.38	0.61	0.55	VOLTS
APP2 (APP_E)	APP Sensor	7.45	7.45	12.15	10.98	%
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	12.64	13.98	13.80	13.77	VOLTS
BARO	PID	100 (14.50) 157.02	100 (14.50) 157.02	100 (14.50) 157.02	100 (14.50) 157.02	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	4	4	5	5	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	3.58/94 (201.2)	3.53/94 (201.2)	3.39/96 (204.8)	3.42/95 (203)	VOLTS/DEG C (DEG F)
CLRDIST	PID	3.99 (2.48)	3.99 (2.48)	4.99 (3.10)	5.99 (3.72)	KM (MILES)
DECHOKE	PID	NO	NO	NO	NO	YES/NO
DIST_ BRKOVDR	PID	3.49 (2.17)	3.49 (2.17)	3.49 (2.17)	5.49 (3.41)	KM (MILES)
DTCNT	PID	2	2	2	2	Numeric Value
EONV_RDY	PID	NOT READY	NOT READY	NOT READY	NOT READY	READY/NOT READY
EQ_RAT11	PID	0:1	0:1	14.18:1	14.63:1	RATIO
EQ_RAT21	PID	0:1	0:1	14.28:1	14.01:1	RATIO
ETC_ACT	PID	7.57	2.15	9.58	9.36	DEG
ETC_TRIM	PID	0.39	0.39	0.38	0.38	DEG
FANSS	FS Sensor	0	0	0	0	RPM
FLI	Fuel Level Sensor	65.09 (H)	65.09 (H)	54.90 (H)	61.56 (H)	%
FPM	PID	39.99	41	39.98	39.99	%
FTP	FTP Sensor	2.65/64 (0.01)	2.65/64 (0.01)	2.28/-589 (-0.09)	2.33/-504 (-0.07)	VOLTS/Pa (PSI)
HTRCM11	HO2S11 Sensor	0	0	0	0	mA
HTRCM12	HO2S12 Sensor	0	0	0	0	mA
HTRCM21	HO2S21 Sensor	0	0	0	0	mA
IAT	IAT Sensor	2.23/29 (84.2)	2.33/27 (80.6)	2.47/24 (75.2)	2.54/23 (73.4)	VOLTS/DEG C (DEG F)
INJPWR_M	PID	12.73	14.05	13.88	13.83	VOLTS
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNOCK_1	KS1 Sensor	0	105	365	283	COUNT
KNOCK_2	KS2 Sensor	0	165	220	271	COUNT
LOAD	PID	0.00 (I)	23.92	36.86	43.52	%
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	2.31	9.56	33.94	57.09	g/s
MAF_HZ	MAF Sensor	743.75 Hz	2.57	4.25	5.18	kHz
MIL_DIS	PID	0 (0)	0 (0)	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	3	3	COUNT
O2BANK1	PID	VARIES	VARIES	VARIES	VARIES	RICH/LEAN
O2BANK2	PID	VARIES	VARIES	VARIES	VARIES	RICH/LEAN
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	5	5	0.09	0.09	VOLTS
O2S11_READY	HO2S11 Sensor	NO	NO	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	5	0.09	0.09	VOLTS
O2S21_READY	HO2S21 Sensor	NO	NO	YES	YES	YES/NO
O2S21_TR	HO2S21 Sensor	0	0	0	0	Kohm
RO2FT1	PID	0	0	-1.23	1.25	%
RO2FT2	PID	0	0	-1.23	1.25	%
RPM	CKP Sensor	0	725.75	1509.00	2314.25	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	4.10/17.64	4.31/13.72	4.05/18.43	3.74/24.70	VOLTS/%
TP1_LRN_TRIM	ETBTPS	15.37	15.37	15.37	15.37	DEG
TP2	ETBTPS	1.16/23.13	0.73/14.51	1.22/24.31	1.86/37.25	VOLTS/%
TP2_LRN_TRIM	ETBTPS	7.25	7.25	7.25	7.25	DEG
TP_MAXDIFF	PID	0	0	0	-0.12	%
TQ_CNTRL	PID	NONE REQUESTED	IDLE SPEED CONTROL	NONE REQUESTED	NONE REQUESTED	STATUS
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
CYL_1-10_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +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)	
DIST_AEIS	PID	0 (0)	0 (0)	0 (0)	0 (0)	KM (MILES)
ETC [TAC_PCT]	PID	9.41	2.35	11.37	11.37	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	0	85.59	63.28	%
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
FP	Fuel Pump Control Module	75/OFF	31.50/ON	31.73/ON	47.99/ON	%/ON/OFF
FUELSYS	PID	OPEN LOOP	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
HTR11	HO2S11 Sensor	OFF	OFF	ON	ON	ON/OFF
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	ON/OFF
IMTV	IMTV Solenoid	OFF	OFF	OFF	OFF	ON/OFF
INJ1-10_OFF	Injector 1-10	----	----	----	----	----/ DISABLE
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	19.21	0	33.33	26.27	%
O2S21_HTR	HO2S21 Sensor	19.21	0	32.15	24.31	%
O2_DS_DISBL	PID	YES	YES	NO	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
SPARKADV	PID	29.50	13.75	36.25	18.25	DEG

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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