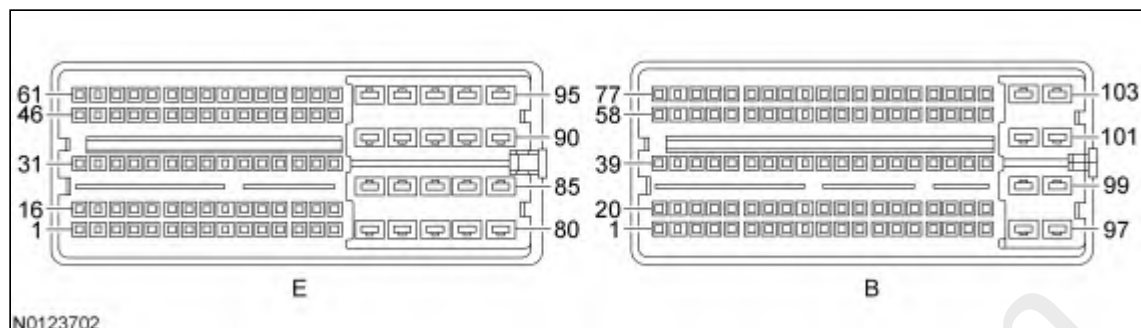


3.5L Ford GT**198 Pin PCM****Typical Diagnostic Reference Values**

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
APP	APP Sensor	0	0	4.5	13	%
APP1	APP Sensor	0.80/16.7	0.80/16.7	1.11/9.0	1.15/11.0	VOLTS/%
APP2	APP Sensor	0.40/7.84	0.40/7.84	0.56/10.98	0.58/11.37	VOLTS/%
B+	PID	VBAT	VBAT	VBAT	VBAT	VOLTS
BARO	PID	3.97	3.93	3.93	3.93	VOLTS
BOO1	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BOO2	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BRKOV RD_ POSS	PID	45	45	45	45	NUMERIC VALUE
BRKOV R_ ACTION	PID	0	0	0	0	NUMERIC VALUE
CAC_T	CACT Sensor	51 (123.8)	25 (77.0)	14 (57.2)	14 (57.2)	DEG C (DEG F)
CAC_V	CACT Sensor	1.72	3.02	3.52	3.55	VOLTS
CHT	CHT Sensor	3.27/89 (192.2)	3.18/92 (197.6)	3.48/80 (176.0)	2.96/91 (195.8)	VOLTS/DEG C (DEG F)
CRNKCAS_PRS	Crankcase Pressure Sensor	0	-68 (-0)	-178 (-0.03)	-295 (-0.04)	Pa (PSI)
CRNKCAS_P_V	Crankcase Pressure Sensor	3.95	3.89	3.83	3.81	VOLTS
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_ BRKOV RD	PID	391.3 (243.16)	391.3 (243.16)	361.3 (224.53)	362.8 (225.46)	KM (MILES)

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
EQ_RAT11	PID	0	14.56	14.37	14.88	RATIO
EQ_RAT21	PID	0	14.83	14.84	14.61	RATIO
ETC_TRIM	PID	0.18 (J)	0.13 (J)	0.17 (J)	0.17 (J)	DEG
FLI	Fuel Level Sensor	93.72 (H)	93.72 (H)	92.54 (H)	93.72 (H)	%
FPM	Fuel Pump Control Module	60.39	60.39	59.40	59.40	%
FRP	FRP Sensor	1.61/6550 (950)	0.73/1390 (201.60)	0.85/2220 (321.98)	1.06/3450 (500.38)	VOLTS/kPa (PSI)
FTP	FTP Sensor	2.63/0	2.66/0	2.63/0	2.37/-0.06	VOLTS/PSI
FTP_H2O	FTP Sensor	0.103	0.275	0.103	-1.689	in-H ₂ O
HTRCM12	HO2S12 Sensor	0	609	854	854	A/mA
IAT	IAT Sensor	1.61/53 (127.4)	3.35/17 (62.6)	3.71/10 (51.8)	3.69/10 (51.8)	VOLTS/DEG C (DEG F)
INJPWR_M	PID	0	0	0	0	VOLTS
LOAD	PID	(I)	33.33	32.94	56.86	%
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
LONGFT2	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAP	MAP Sensor	1.99/99.97 (14.50)	0.98/42.95 (6.23)	1.48/72.46 (10.51)	1.94/97.97 (14.21)	VOLTS/kPa (PSI)
MIL_DIS	PID	0	0	0	0	Miles
MISFIRE	PID	NO	NO	NO	NO	YES/NO
MP_LRN	PID	YES	YES	YES	YES	YES/NO
O2S11_CUR	HO2S11 Sensor	(I)	switching (C)	switching (C)	switching (C)	uA
O2S11_IMP	HO2S11 Sensor	4.93	1	1	1	VOLTS
O2S12	HO2S12 Sensor	(I)	(D)	(D)	(D)	VOLTS
O2S21_IMP	HO2S21 Sensor	4.93	1	1	1	VOLTS
RPM	CKP Sensor	0	653	1260	1357	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
TCBP	TCBP Sensor	99.3/14.41	99.5/14.44	100.2/14.54	115.6/16.77	kPa/PSI
TCBP_V	TCBP Sensor	1.56	1.56	1.56	1.79	VOLTS
TP1	ETBTPS	4.08	4.29	4.19	4.11	VOLTS
VCT_EXH_ACT1	PID	0	-0.06	48.25	41.93	DEG
VCT_EXH_ACT2	PID	0	0.06	46.00	42.06	DEG
VCT_EXH_DIF1	PID	0	-0.18	-0.06	0.43	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_EXH_DIF2	PID	0	0	0.06	1.43	DEG
VCT_INT_ACT1	PID	0	0.18	-0.56	-0.81	DEG
VCT_INT_ACT2	PID	0	-0.12	0.25	0.31	DEG
VCT_INT_DIF1	PID	0	-0.12	0.37	0.68	DEG
VCT_INT_DIF2	PID	0	0	-0.25	-0.37	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)	
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	11.79	67.58	59.08	%
EVAPCV	CANV Valve	OFF	OFF	OFF	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	27.93	28.01	28.07	%
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN/ CLOSED LOOP
F_VCV	Fuel Injection Pump	0	4.94	14.18	16.01	%-VARYING
HFC	PID	OFF	OFF	OFF	OFF	%
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	ON/OFF
HTR22	HO2S22 Sensor	OFF	ON	ON	ON	ON/OFF
LFC	PID	OFF	OFF	OFF	OFF	%
O2S11_HTR	HO2S11 Sensor	0	1.00	36.86	33.33	%
SPARKADV	PID	10.00	-3.00	36.25	22.25	DEG
TURBO_BPASS	TCBY Valve	OFF	OFF	OFF	OFF	ON/OFF
TURBO_BPASS_2	TCBY2 Valve	OFF	OFF	OFF	OFF	ON/OFF
TURBO_WGATE	Turbocharger Wastegate Regulating Valve Solenoid	0	0	0	6.75	%

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
VCT_EXH_DC1	VCT12 Solenoid	0	0	29.80	43.79	%
VCT_EXH_DC2	VCT22 Solenoid	0	0	31.35	43.11	%
VCT_INT_DC1	VCT11 Solenoid	0	0	-0.56	-0.81	%
VCT_INT_DC2	VCT21 Solenoid	0	0	0.25	0.31	%

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