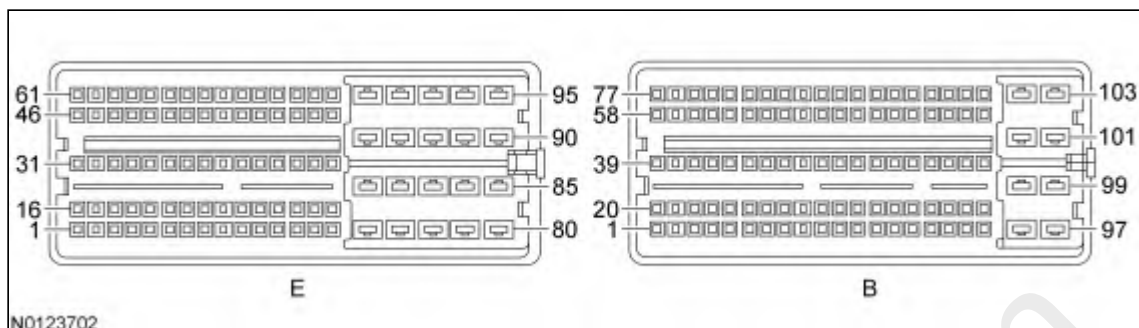


5.2L Mustang**198 Pin PCM****Typical Diagnostic Reference Values**

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	1 (33.8)	1 (33.8)	1 (33.8)	1 (33.8)	DEG C (DEG F)
AAT_V	AAT Sensor	3.92	3.93	3.89	3.93	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	8	18	%
APP1	APP Sensor	0.79	0.79	1.07	1.37	VOLTS
APP1 (APP_D)	APP Sensor	15.68	15.68	20.78	27.05	%
APP2	APP Sensor	0.39	0.39	0.53	0.68	VOLTS
APP2 (APP_E)	APP Sensor	7.45	7.45	10.19	13.33	%
APP_MAXDIFF	PID	0	0	0	-0.12	DEG
APP_MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/ PART PEDAL
B+	PID	12.67	14.78	14.73	14.70	VOLTS
BARO	PID	96 (13.92) 153.36	96 (13.92) 153.36	96 (13.92) 153.36	96 (13.92) 153.36	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	65	65	65	65	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	3.43/95 (203)	3.44/90 (194)	3.38/92 (197.6)	3.52/87 (188.6)	VOLTS/DEG C (DEG F)
CLRDIST	PID	6.99 (4.34)	6.99 (4.34)	6.99 (4.34)	8.99 (5.59)	KM (MILES)
CPP_BOT	CPP Switch	NO	NO	NO	NO	YES/NO
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOVDR	PID	15.99 (9.94)	15.99 (9.94)	21.48 (13.35)	20.48 (12.73)	KM (MILES)
DTCCNT	PID	0	0	0	0	Numeric Value
ECT	ECT Sensor	97 (206.6)	94 (201.2)	87 (188.6)	88 (190.4)	DEG C (DEG F)
EONV_RDY	PID	NOT READY	NOT READY	NOT READY	NOT READY	READY/NOT READY
EQ_RAT11	PID	0:1	14.49:1	14.76:1	15.09:1	RATIO
EQ_RAT21	PID	0:1	14.47:1	14.24:1	15.22:1	RATIO
ETC_ACT	PID	26.31	3.54	15.57	15.20	DEG
ETC_TRIM	PID	-0.69	-0.69	-0.56	-0.56	DEG
FLI	Fuel Level Sensor	36.86 (H)	36.86 (H)	35.29 (H)	35.29 (H)	%
FPM	PID	40.35	40.28	40.29	40.90	%
FPM2	PID	41.01	40.31	40.89	40.89	%
FRP	FRP Sensor	2.95/612 (88.76)	2.05/387 (56.13)	2.02/381 (55.26)	1.99/372 (53.95)	VOLTS/kPa (PSI)
FTP	FTP Sensor	2.61/-5 (0)	2.23/-684 (-0.10)	2.06/-976 (-0.14)	2.38/-418 (-0.06)	VOLTS/Pa (PSI)
HTRCM12	HO2S12 Sensor	0	0	0	0	mA
HTRCM22	HO2S22 Sensor	0	0	0	0	mA
IAT	IAT Sensor	1.92/37 (98.6)	2.14/31 (87.8)	3.27/8 (46.4)	3.30/7 (44.6)	VOLTS/DEG C (DEG F)
IMRC1M	IMRC1M Sensor	3.94	1.21	1.21	1.21	VOLTS
IMRC2M	IMRC2M Sensor	1.21	4.03	4.03	4.03	VOLTS
INJPWR_M	PID	12.53	14.6&	14.58	14.54	VOLTS
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNOCK_1	KS1 Sensor	0	110	270	185	COUNT
KNOCK_2	KS2 Sensor	0	142	142	112	COUNT
LOAD	PID	0.00 (I)	28.23	30.58	34.90	%
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	2.22	4.41	20.81	16.59	g/s
MAF_HZ	MAF Sensor	0.68	1.54	3.10	2.85	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

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
NUM_MISFIRE	PID	0	1	33	29	COUNT
O2S11_CUR	HO2S11 Sensor	(I)	switching	switching	switching	mA/uA
O2S11_IMPED	HO2S11 Sensor	5	0.09	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	0.10	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
OCTADJ_R_LRND	PID	49.99	49.99	49.99	49.99	%
RO2FT1	PID	0	0	-3.46	-1.75	%
RO2FT2	PID	0	0	0	-2.42	%
RPM	CKP Sensor	0	743.50	2249.60	1704.60	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	3.40/31.76	4.42/11.37	4.10/17.64	3.67/24.70	VOLTS/%
TP1_LRN_TRIM	ETBTPS	8.87	8.87	8.87	8.87	DEG
TP2	ETBTPS	1.59/31.76	0.58/11.37	0.89/17.64	1.32/25.09	VOLTS/%
TP2_LRN_TRIM	ETBTPS	9	9	9	9	DEG
TP_MAXDIFF	PID	0.18	0	0.12	0.12	%
TQ_CNTRL	PID	NONE REQUESTED	IDLE SPEED CONTROL	NONE REQUESTED	NONE REQUESTED	STATUS
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
VCT_EXH_ACT1	PID	0	0	14.75	14.06	DEG
VCT_EXH_ACT2	PID	0	-0.6	14.87	14.18	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_DIF1	PID	0	0	0.75	0.93	DEG
VCT_EXH_DIF2	PID	0	0	0.62	0.87	DEG
VCT_INT_ACT1	PID	0	40	30.18	29.93	DEG
VCT_INT_ACT2	PID	0	40.31	29.81	29.93	DEG
VCT_INT_DIF1	PID	0	-0.12	-0.18	0	DEG
VCT_INT_DIF2	PID	0	-0.31	0.12	0	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	51	51	51	51	NUMERIC VALUE
CYL_1-6_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +1	NUMERIC VALUE
DIST_AEIS	PID	0 (0)	0 (0)	0 (0)	0 (0)	KM (MILES)
ETC [TAC_PCT]	PID	28.23	3.52	17.25	16.07	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	15.22	18	21.88	%
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	19.90/ON	20.56/ON	20.31/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

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
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
IMRC	IMRC Solenoid	ON	OFF	OFF	OFF	ON/OFF
IMRC_F	PID	NO	NO	NO	NO	YES/NO
INJ1-8_OFF	Injector 1-8	----	----	----	----	----/ DISABLE
LFC	PID	OFF	OFF	OFF	OFF	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	20.39	30.19	27.84	29.80	%
O2S21_HTR	HO2S21 Sensor	20.39	31.76	29.41	30.98	%
O2_DS_ DISBL	PID	YES	YES	NO	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
VCT_EXH_ DC1	VCT12 Solenoid	0	0	49.65	51.27	%
VCT_EXH_ DC2	VCT22 Solenoid	0	0	49.65	49.05	%
VCT_INT_ DC1	VCT11 Solenoid	0	58.21	58.15	57.87	%
VCT_INT_ DC2	VCT21 Solenoid	0	57.75	55.80	56.15	%

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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