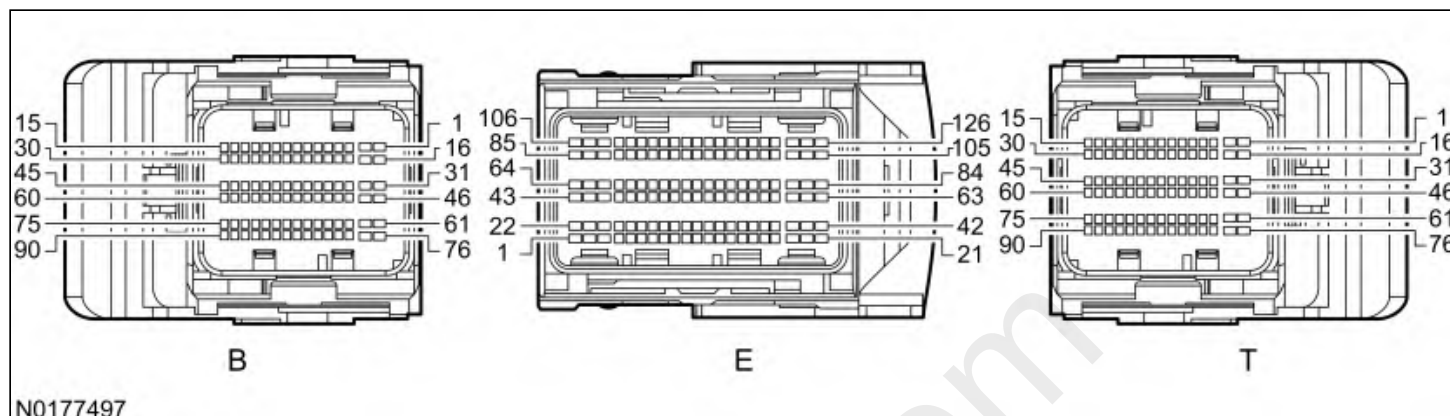


5.0L Mustang

306 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	3 (37.4)	3 (37.4)	4 (39.2)	4 (39.2)	DEG C (DEG F)
AAT_V	AAT Sensor	3.83	3.83	3.80	3.80	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	7	14	%
APP1	APP Sensor	0.75	0.75	0.99	1.21	VOLTS
APP1 (APP_D)	APP Sensor	14.90	14.90	19.60	24.31	%
APP2	APP Sensor	0.38	0.38	0.50	0.62	VOLTS
APP2 (APP_E)	APP Sensor	7.45	7.45	9.80	12.15	%
APP_MAXDIFF	PID	0	0	-0.06	-0.12	DEG
B+	PID	12.25	14.68	14.65	14.62	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	5	5	6	6	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	3.57/92 (197.6)	0.52/88 (190.4)	3.48/92 (197.6)	3.56/89 (192.2)	VOLTS/DEG C (DEG F)
CLRDIST	PID	0.99 (0.62)	0.99 (0.62)	2 (1.24)	2.99 (1.86)	KM (MILES)
CPP_BOT (MT)	CPP Switch	NO	NO	NO	NO	YES/NO
CPP_PERCENT (MT)	CPP Sensor	0	0	0	0	%
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOVDR	PID	32.47 (20.18)	32.47 (20.18)	37.97 (23.59)	36.97 (22.97)	KM (MILES)
EQ_RAT11	PID	0:1	14.54:1	14.59:1	14.64:1	RATIO
EQ_RAT21	PID	0:1	14.73:1	14.74:1	14.81:1	RATIO
ETC_ACT	PID	7.85	2.18	4.18	6.95	DEG
ETC_TRIM	PID	0.49	0.47	0.26	0.30	DEG
FLI	Fuel Level Sensor	83.13 (H)	83.13 (H)	75.68 (H)	81.56 (H)	%
FLP	Fuel Pressure Sensor	397.50 (57.65)	416 (60.34)	399 (57.87)	397.50 (57.65)	kPa (PSI)
FLP_V	Fuel Pressure Sensor	2.09	2.16	2.10	2.09	VOLTS
FPM	PID	39.99	40.40	39.99	40.39	%
FRP	FRP Sensor	3.97/24750 (3589.68)	3.83/23780 (3449)	1.34/6030 (874.58)	1.29/5690 (825.26)	VOLTS/kPa (PSI)
FRT	FRPT Sensor	36 (96.8)	34 (93.2)	43 (109.4)	42 (107.6)	DEG C (DEG F)
FRT_V	FRT Sensor	1.94	1.99	1.65	1.70	VOLTS
FTP	FTP Sensor	2.64/46 (0.01)	2.70/149 (0.02)	2.47/-254 (-0.04)	2.47/-254 (-0.04)	VOLTS/kPa (PSI)
FTP_H2O	FTP Sensor	0.17	0.55	-1.03	-1.03	NUMERIC VALUE
HTRCM12	HO2S12 Sensor	0	0	0	0	mA
HTRCM22	HO2S22 Sensor	0	0	0	0	mA
IAT	IAT Sensor	2.12/32 (89.6)	2.61/21 (69.8)	3.18/9 (48.2)	3.22/8 (46.4)	VOLTS/DEG C (DEG F)
IMRC1M	IMRC1M Sensor	3.34	1.43	1.35	1.38	VOLTS
IMRC2M	IMRC2M Sensor	3.35	1.47	1.42	1.43	VOLTS
INJPWR_M	PID	12.08	14.65	14.65	14.68	VOLTS
INJ_F	PID	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/NO FAULT
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNOCK_1	KS11 Sensor	999	23	83	74	COUNT
KNOCK_2	KS12 Sensor	999	29	54	79	COUNT
KNOCK_3	KS21 Sensor	999	22	60	59	COUNT
KNOCK_4	KS22 Sensor	999	25	52	58	COUNT
LOAD	PID	0.00 (I)	20.78	16.86	41.11	%

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
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	0	4.84	27.76	25.38	g/s
MAF_HZ	MAF Sensor	0.70	1.70	3.56	3.44	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	5	5	COUNT
O2S11_CUR	HO2S11 Sensor	(I)	switching	switching	switching	mA/uA
O2S11_IMPED	HO2S11 Sensor	5	0.17	0.16	0.17	VOLTS
O2S11_READY	HO2S11 Sensor	NO	YES	YES	YES	YES/NO
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	0.17	0.16	0.17	VOLTS
O2S21_READY	HO2S21 Sensor	NO	YES	YES	YES	YES/NO
O2S22	HO2S22 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
RO2FT1	PID	0	0	1.96	1	%
RO2FT2	PID	0	0	1.99	-0.98	%
RPM	CKP Sensor	0	729.25	1206.75	1564.75	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	13.33	7.84	7.84	13.72	%
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	-0.06	46.75	24.37	DEG
VCT_EXH_ACT2	PID	0	-0.12	46.87	24.06	DEG
VCT_EXH_DIF1	PID	0	0.06	0.75	0	DEG
VCT_EXH_DIF2	PID	0	0.06	0.06	0.06	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_ACT1	PID	0	20.06	39.81	40	DEG
VCT_INT_ACT2	PID	0	19.68	40	40.06	DEG
VCT_INT_DIF1	PID	0	-0.06	0.12	0.06	DEG
VCT_INT_DIF2	PID	0	0.25	0	-0.06	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	1	1	1	1	NUMERIC VALUE
AEIS_POSS	PID	32	32	32	32	NUMERIC VALUE
CYL_1-8_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +1	NUMERIC VALUE
DIST_AEIS	PID	0.50 (0.31)	0.50 (0.31)	3.49 (2.17)	2.99 (1.86)	KM (MILES)
ETC [TAC_PCT]	PID	9.02	2.35	4.70	8.23	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	9.23	78.99	78.30	%
EVAPCV	CANV Valve	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPPCT	PID	0	9.02	78.82	78.03	%
EVAPSOAK	PID	NO	NO	NO	NO	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
FP	Fuel Pump Control Module	75/OFF	17.08/ON	17.06/ON	17.17/ON	%/ON/OFF
FRP_DSD	PID	320 (46.41)	2750 (398.85)	4120 (597.56)	4740 (687.48)	kPa (PSI)
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
F_VCV	Fuel Injection Pump	0	0	0	0	%
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

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
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 FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/NO FAULT
INJ1-8_OFF	Injector 1–8	----	----	----	----	----/ DISABLE
LFC	PID	OFF	ON	ON	OFF	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	20.39	26.66	23.92	23.92	%
O2S21_HTR	HO2S21 Sensor	20.39	28.62	27.45	24.31	%
O2_DS_ DISBL	PID	YES	YES	NO	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
RPMDSD	PID	800	725	644	644	RPM
SPARKADV	PID	33	9.75	37	33	DEG
VCT_EXH_ DC1	VCT12 Solenoid	0	0	41.37	0	%
VCT_EXH_ DC2	VCT22 Solenoid	0	0	39.73	0	%
VCT_INT_ DC1	VCT11 Solenoid	0	51.41	55.47	55.45	%
VCT_INT_ DC2	VCT21 Solenoid	0	56.11	58.71	58.37	%

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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