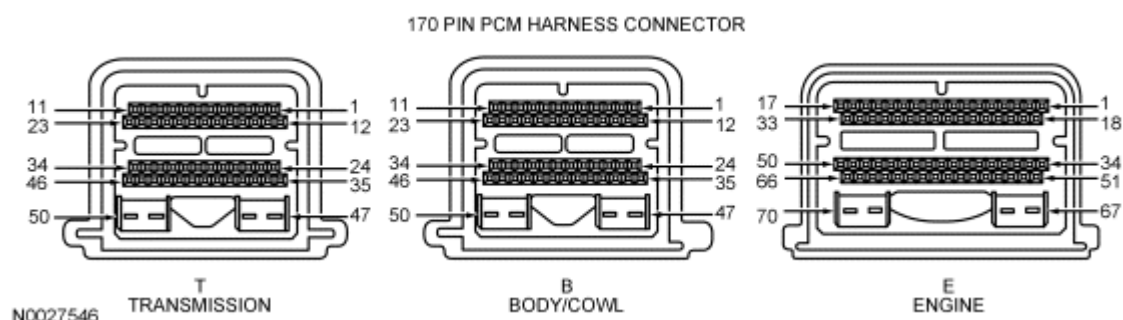


5.4L 4V Mustang



Typical Diagnostic Reference Values

Sensors/Inputs	PCM Pin/PID only	Measured/PID Values				Units Measured/PID
		Ignition On Engine Off	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
FTP	B3	2.63/0.61 (M)	2.61/0.61 (M)	2.33/0.61 (M)	2.33/0.61 (M)	VOLTS/PSI
APP1	B5	4.0	4.0	3.8	3.6	VOLTS
ACCS	B15	OFF	ON (A)	OFF	OFF	ON/OFF
APP2	B17	1.43	1.43	1.57	1.66	VOLTS
APP3	B28	0.88	0.88	1.06	1.15	VOLTS
CPP-BOT	B33	NO	NO	NO	NO	YES/NO
GENMON	E5	0	34	20.31	20.31	%
FRT	E19	1.36/140 (K)	1.49/132.8 (K)	2.1/107.6 (K)	1.93/114.8 (K)	VOLTS/DEG F
IAT	E22	1.45/131 (K)	2.28/98.6 (K)	3.29/60.8 (K)	3.39/55.4 (K)	VOLTS/DEG F
MAF	E25	0.01	0.6	0.92	1.7	VOLTS
IAT2	E27	0.83/174.2 (K)	1.19/149 (K)	1.91/114.8 (K)	2.12/107.6 (K)	VOLTS/DEG F
O2S11	E28	(L)	switching (C)	switching (C)	switching (C)	VOLTS/RICH-LEAN
O2S21	E29	0	switching (C)	switching (C)	switching (C)	VOLTS/RICH-LEAN
FRP	E32	3.01/43.89	2.89/41.92	2.73/39.1	2.69/38.32	VOLTS/PSI
CHT	E41	3.27/217.4	3.35/213.8	3.49/206.6	3.41/210.2	VOLTS/DEG F
TP2	E60	1.29/25.88	0.79/15.69	1.13/22.75	1.13/22.75	VOLTS/%
TP1	E61	4.1/18.43	4.35/13.33	4.15/16.86	4.15/16.86	VOLTS/%
HTRCM11	E69	2.1	2.1	1.89	1.06	AMPS
HTRCM21	E70	2.07	2.07	1.87	1.02	AMPS
OSS_SRC	T3	0	0	1290	2361	RPM
O2S12	T24	(L)	(D)	(D)	(D)	VOLTS
O2S22	T25	0.1	(D)	(D)	(D)	VOLTS
HTRCM12	T47	1.57 (AMPS)	1.57 (AMPS)	1.32 (AMPS)	648 (mA)	mA/AMPS

HTRCM22	T48	1.57 (AMPS)	1.57 (AMPS)	1.32 (AMPS)	664	mA/AMPS
APP	PID	0	0	6.5	10.5	%
BARO	PID	14.73/158.9	14.73/158.9	14.73/158.9	14.73/158.9	PSI/Hz
B+	PID	12.88	13-14.5	13-14.5	13-14.5	VOLTS
DECHOKE	PID	YES	NO	NO	NO	YES/NO
ETC_ACT	PID	7.56	1.06	3.5	7.62	DEG
ETC_DSD	PID	7.62	0.99	3.49	7.62	DEG
ETC_TRIM	PID	0 (X)	0.01 (X)	0.15 (X)	0.1 (X)	DEG
FLI	PID	0 (H)	75.7 (H)	72.45 (H)	70.33 (H)	%
LOAD	PID	73.37 (L)	16.22	34.92	41.87	%
MISFIRE	PID	NO	NO	NO	NO	YES/NO
O2BANK1	PID	VARIES	VARIES	VARIES	VARIES	RICH/LEAN
O2BANK2	PID	VARIES	VARIES	VARIES	VARIES	RICH/LEAN
RPM	PID	0	660-780	1200-1300	1450-1740	RPM
VSS	PID	0	0	48km/h (30MPH)	89km/h (55MPH)	km/h / MPH

Actuators/Outputs	PCM Pin/PID only	Measured/PID Values				Units Measured/PID
		Ignition On Engine Off	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
FP	B12	75/OFF	21.59/ON	21.26/ON	22.41/ON	%/ON-OFF
EVAPCV	B13	OFF	OFF	OFF	OFF	ON/OFF
WAC/ACCR	B14	OFF	ON (A)	OFF	OFF	ON/OFF
FPM	B21	99.71	99.71	103.4	99.71	%
GENCMD	B32	3.79	0 (Q)	0 (Q)	0 (Q)	%
HFC	E4	OFF	ON (B)	OFF	OFF	ON/OFF
EVMV	E6	0/OFF	574/ VARYING	633/ VARYING	666/ OFF	mA/OFF-VARYING
LFC	E7	OFF	ON (B)	OFF	OFF	ON/OFF
SPKDUR_8	E9	0	1.84	1.56	1.65	ms
SPKDUR_5	E10	0	1.81	1.59	1.4	ms
SPKDUR_2	E11	0	1.81	1.62	1.5	ms
SPKDUR_3	E12	0	1.78	1.4	1.59	ms
SPKDUR_4	E14	0	1.87	1.68	1.68	ms
SPKDUR_6	E15	0	1.68	1.78	1.59	ms
SPKDUR_7	E16	0	1.75	1.71	1.37	ms
SPKDUR_1	E17	0	1.56	1.46	1.5	ms
HTR11	E69	OFF (O)	ON	ON	ON	ON/OFF
HTR21	E70	OFF (O)	ON	ON	ON	ON/OFF
HTR12	T47	OFF (O)	ON	ON	ON	ON/OFF
HTR22	T48	OFF (O)	ON	ON	ON	ON/OFF
EGR_EVAL	PID	NO	NO	NO	NO	YES/NO
EVAP020C	PID	NO	NO	NO	NO	YES/NO

EVAP020D	PID	ALLOW	ALLOW	ALLOW	ALLOW	ALLOW/ DISALLOW
EVAP020R	PID	NOT READY	NOT READY	NOT READY	NOT READY	READY/NOT READY
EVAPSOAK	PID	NO	NO	NO	NO	YES/NO
EVAP_EVAL	PID	NO	NO	NO	NO	YES/NO
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN/ CLOSED LOOP
LONGFT1	PID	(L)	(L)	(-)20 TO (+) 20	(-)20 TO (+) 20	%
LONGFT2	PID	(L)	(-)20 TO (+) 20	(-)20 TO (+) 20	(-)20 TO (+) 20	%
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
SHRTFT1	PID	(L)	(-)10 TO (+) 10	(-)10 TO (+) 10	(-)10 TO (+) 10	%
SHRTFT2	PID	(L)	(-)10 TO (+) 10	(-)10 TO (+) 10	(-)10 TO (+) 10	%
SPARKADV	PID	10	14.5	31.75	33.25	DEG

Other	PCM Pin/PID only	Measured/PID Values				Units Measured/PID
		Ignition On Engine Off	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
VPWR	B35/36	12.69	13- 14.5	13-14.5	13-14.5	VOLTS
VREF	B40/E57	5	5	5	5	VOLTS