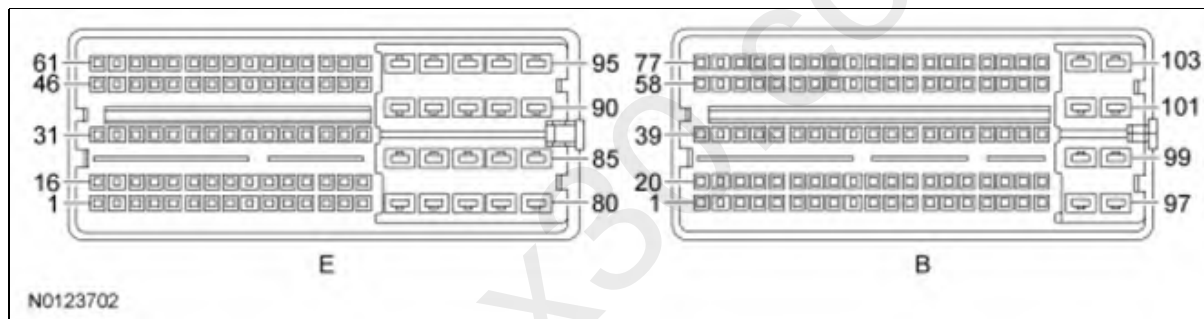


MIL	PID					ON/OFF
O2_DS_DISBL	PID					YES/NO
RO2FT1	PID					%
SHRTFT1	PID					%
SPARKADV	PID					DEG
TQ_CNTRL	PID					STATUS

Other	PCM Pin/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
VREF	B13/B14/E3/E7					VOLTS
VPWR	B101/B102/B103					VOLTS

2.0L GTDI FOCUS

Fig 1: 2.0L GTDI Focus PCM Connector



Courtesy of FORD MOTOR CO.

2.0L GTDI FOCUS > TYPICAL DIAGNOSTIC REFERENCE VALUES

Sensors/Inputs	PCM Pin/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
CAC_T	B32	29 (84.20)	28 (82.40)	25 (77)	22 (71.60)	DEG C (DEG F)
CAC_V	B32	2.69	2.72	2.85	2.97	VOLTS
FP	B39	75/OFF	21.43/ON	21.74/ON	22.12/ON	%/ON/OFF
AAT	B51	15 (59)	15 (59)	12 (53.60)	12 (53.60)	DEG C (DEG F)
AAT_V	B51	1.42	1.42	1.51	1.50	VOLTS
APP2	B54	0.38	0.38	0.55	0.40	VOLTS
APP1	B55	0.76	0.76	1.09	0.80	VOLTS

O2S12	B56	0.56	0.81	0.73	0.62	VOLTS
BOO2	B65	OFF	OFF	OFF	OFF	ON/OFF
BOO1	B66	OFF	OFF	OFF	OFF	ON/OFF
FLP	B71	707.82 (102.66)	661.83 (95.99)	575.85 (83.52)	580.81 (84.24)	kPa (PSI)
FLP_V	B71	2.91	2.72	2.38	2.40	VOLTS
CRNKAS_PRS	B72	0	299 (0.04)	-455 (-0.07)	584 (0.08)	Pa (PSI)
CRNKAS_P_V	B72	0	3.74	3.72	3.79	VOLTS
FTP	B73	2.63/0 (0)	2.67/0.07 (0.01)	2.60/0 (-0)	2.01/-1.03 (-0.15)	VOLTS/kPa (PSI)
FTP_H2O	B73	0.07	0.33	-1.86	-4.31	in-H ₂ O
TCBP	B74	97.49 (14.14)	97.49 (14.14)	98.46 (14.28)	112.94 (16.38)	kPa (PSI)
TCBP_V	B74	1.57	1.57	1.59	1.81	VOLTS
IAT	B75	2.10/30 (86)	2.12/30 (86)	2.47/23 (73.40)	2.60/20 (68)	VOLTS/DEG C (DEG F)
MAP	E33	1.58/97.97 (14.21)	0.59/32.96 (4.78)	0.72/40.95 (5.94)	1.04/61.98 (8.99)	VOLTS/kPa (PSI)
MAP_GAUGE	E33	12.04	272.99	240.87	156.57	in-H ₂ O
ECT	E36	83 (181.40)	85 (185)	91 (195.80)	93 (199.40)	DEG C (DEG F)
FRP	E37	1.30/4088.94 (593.05)	0.85/2037.75 (295.55)	0.93/2329.39 (337.85)	1.35/4428.85 (642.35)	VOLTS/kPa (PSI)
CHT2	E46	83 (181.40)	85 (185)	91 (195.80)	93 (199.40)	DEG C (DEG F)
KNOCK_2	E50	167	31	89	103	N/A
TP2	E52	0.82/16.47	0.54/10.98	0.74/14.90	0.87/17.25	VOLTS/%
O2S11_CUR	E63	(I)	switching (C)	switching (C)	switching (C)	uA
KNOCK_1	E65	167	34	105	119	N/A
TP1	E68	4.17/16.07	4.45/10.58	4.26/14.51	4.13/17.25	VOLTS/%
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	PID	0	0	10.50	0	%
APP_MAXDIFF	PID	0	0	0	0	DEG
APP_MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/PART PEDAL
APP1 (APP_D)	PID	14.90	14.90	21.56	16.07	%
APP2 (APP_E)	PID	7.45	7.45	10.98	7.84	%
B+	PID	12.65	14.44	14.46	14.41	VOLTS
BARO	PID	3.88/97.97 (14.21)/155.19 /393.43	3.88/97.97 (14.21)/155.19 /393.43	3.87/97.97 (14.21)/155.19 /393.43	3.88/97.97 (14.21)/155.19 /393.43	VOLTS/kPa (PSI)/Hz /in-H ₂ O

BRKOV _R _ACTION	PID	0	0	0	0	NUMERIC VALUE
BRKOV _R D_POSS	PID	111	111	112	112	NUMERIC VALUE
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOV _R D	PID	0 (0)	0 (0)0	0 (0)	1.5 (0.93)	KM (MILES)
EQ_RAT11	PID	0/0:1	1/14.65:1	1/14.68:1	1.02/14.95:1	RATIO
ETC_ACT	PID	7.84	2.10	5.01	8.40	DEG
ETC_TRIM	PID	0.08	0.10	-0.06	-0.06	DEG
LOAD	PID	0	25.88	25.88	28.23	%
MISFIRE	PID	NO	NO	NO	NO	YES/NO
MP_LRN	PID	YES	YES	YES	YES	YES/NO
NUM_MISFIRE	PID	0	0	1	1	COUNT
O2S11_IMP _E D	PID	4.94	1	1.01	1.01	VOLTS
O2S11_READY	PID	NO	NO	YES	YES	YES/NO
O2S11_TR	PID	0	0	0	0	Kohm
OCTADJ_R_LRND	PID	0	0	0	0	%
RPM	PID	0	742.50	1218.25	2081.75	RPM
SYNC	PID	NO	YES	YES	YES	YES/NO
TP1_LRN_TRIM	PID	9.37	9.37	9.37	9.37	DEG
TP2_LRN_TRIM	PID	9.50	9.50	9.50	9.50	DEG
TPMODE	PID	PT	CT	PT	CT	CLOSED/PART/WIDE OPEN THROTTLE
TURBO_BP1_STAT	PID	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/NO FAULT
VCT_EXH_ACT1	PID	0	-0.25	22.62	26.31	DEG
VCT_EXH_DIF1	PID	0	0.25	-0.06	-0.12	DEG
VCT_INT_ACT1	PID	0	0.18	-0.06	-0.06	DEG
VCT_INT_DIF1	PID	0	-0.18	0	0.06	DEG
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/CLOSED LOOP
VSS	PID	0	0	48 km/h (30 MPH)	89 km/h (55 MPH)	km/h/MPH

Actuators/Outputs	PCM Pin/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
HTR12	B1	OFF	ON	ON	ON	ON/OFF
HTRCM12	B1	0	0	0	0	mA