

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
INJ_F	PID	NO	NO	NO	NO	YES/NO
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNK_CNTR_CYL1	PID	0	0	0	0	COUNT
KNK_CNTR_CYL2	PID	0	0	0	0	COUNT
KNK_CNTR_CYL3	PID	0	0	0	0	COUNT
KNK_CNTR_CYL4	PID	0	0	0	0	COUNT
KNK_CNTR_CYL5	PID	0	0	0	0	COUNT
KNK_CNTR_CYL6	PID	0	0	0	0	COUNT
KNOCK_1	KS11 Sensor	1199	33	63	50	COUNT
KNOCK_2	KS12 Sensor	1199	34	52	45	COUNT
LOAD	PID	0.00 (I)	34.11	29.02	82.35	%
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	98 (14.21)	39 (5.66)	38 (5.51)	98 (14.21)	kPa (PSI)
MAP_GAUGE	MAP Sensor	(I)	62 (8.99)	62 (8.99)	3 (0.44)	kPa (PSI)
MAP_V	MAP Sensor	1.50	0.59	0.59	1.49	VOLTS
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	9	10	COUNT
O2S11_CUR	HO2S11 Sensor	(I)	switching	switching	switching	mA/uA
O2S11_IMPED	HO2S11 Sensor	5	1.03	1.03	1.02	VOLTS
O2S11_TR	HO2S11 Sensor	0	153.40	153.50	153.50	Kohm
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	1.01	1.02	1.03	VOLTS
O2S21_READY	HO2S21 Sensor	NO	YES	YES	YES	YES/NO
O2S21_TR	HO2S21 Sensor	0	162.30	161.60	161.60	Kohm
O2S22	HO2S22 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
OCTADJ_R_LRND	PID	0.02	0.02	0.02	0.02	%

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
OSS_RAW	OSS Sensor	0	0	1199	2088	RPM
RO2FT1	PID	0	-1.05	-1.57	0	%
RO2FT2	PID	0	0.53	-1.57	0	%
RPM	CKP Sensor	0	597.50	1738.75	2149.75	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
TCBP	TCBP Sensor	98.70 (14.32)	98.38 (14.27)	100.29 (14.55)	102.52 (14.87)	kPa (PSI)
TCBP_V	TCBP Sensor	1.50	1.50	1.53	1.56	VOLTS
TP1	ETBTPS	16.07	11.76	12.94	18.03	%
TQ_CNTRL	PID	ANTI THEFT	IDLE SPEED CONTROL	NONE REQUESTED	CRUISE CONTROL	STATUS
TURBO_BP1_STAT	TCBY Valve	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
VCT_EXH_ACT1	PID	0	-0.18	38.43	32.62	DEG
VCT_EXH_ACT2	PID	0	-0.06	39.12	31.12	DEG
VCT_EXH_DIF1	PID	0	0.25	19.87	-0.18	DEG
VCT_EXH_DIF2	PID	0	-0.06	17.62	-0.18	DEG
VCT_INT_ACT1	PID	0	0	-0.68	-51.56	DEG
VCT_INT_ACT2	PID	0	-0.18	-0.62	-51.81	DEG
VCT_INT_DIF1	PID	0	0.06	0	-19.62	DEG
VCT_INT_DIF2	PID	0	0.06	0	-20.25	DEG
VSS	PID	0	0	48 km/h (30 MPH)	89 km/h (55 MPH)	km/h / MPH
WGATE_PRES	Wastegate Vacuum Sensor	98.50 (14.29)	98.50 (14.29)	38 (5.51)	67.50 (9.79)	kPa (PSI)
WGATE_V	Wastegate Vacuum Sensor	4.25	4.25	1.84	3.04	VOLTS
WGATE_VAC_INF	PID	0	0	60.50 (8.77)	31 (4.50)	kPa (PSI)

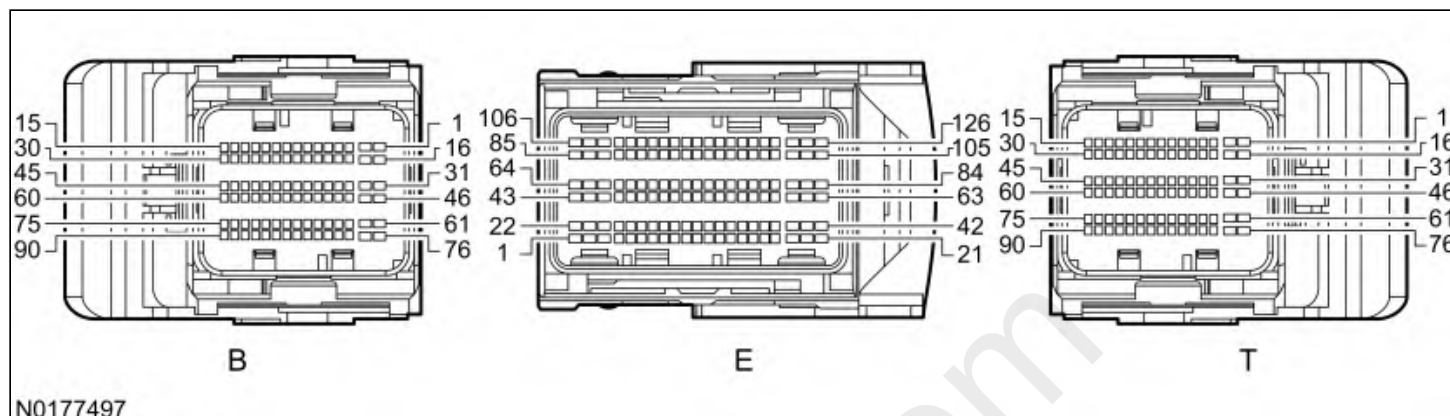
Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
AEIS_ACTION	PID	0	0	0	0	NUMERIC VALUE
AEIS_POSS	PID	67	67	67	67	NUMERIC VALUE
CYL_1-6_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +1	NUMERIC VALUE
DIST_AEIS	PID	0	0	0	0	KM (MILES)
ETC [TAC_PCT]	PID	9.41	1.96	26.66	9.02	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	14.13	51.64	94.24	%
EVAPCV	CANV Valve	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPPCT	PID	0	17.25	32.54	24.70	%
EVAPSOAK	PID	YES	YES	YES	YES	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
EVBV	EVAP Vapor Blocking Valve	0/OPEN	0/OPEN	100/CLOSED	100/CLOSED	%/OPEN-CLOSED
FP	Fuel Pump Control Module	75/OFF	28.18/ON	27.25/ON	27.29/ON	%/ON/OFF
FRP_DSD	PID	0.38 (55.1)	4.49 (651.22)	7.03 (1019.62)	7.43 (1077.63)	MPa (PSI)
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
F_VCV	Fuel Injection Pump	0	8.64	0	12.91	%
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
HTR21	HO2S21 Sensor	OFF	ON	ON	ON	ON/OFF
HTR22	HO2S22 Sensor	OFF	ON	ON	ON	ON/OFF
INJ1-6_OFF	Injector 1-6	-----	-----	-----	-----	-----/ DISABLE
LFC	PID	OFF	OFF	OFF	OFF	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	21.17	72.15	38.43	43.13	%
O2S21_HTR	HO2S21 Sensor	21.17	67.84	39.21	43.92	%
O2_DS_DISBL	PID	YES	NO	NO	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
RPMDSD	PID	999	600	600	600	RPM
SPARKADV	PID	7.75	8.50	25.25	0	DEG
TURBO_ BPASS	TCBY Valve	OFF	OFF	OFF	OFF	ON/OFF
TURBO_ WGATE	Turbocharger Wastegate Regulating Valve Solenoid	0	0	63.57	72.19	%
VCT_EXH_ DC1	VCT12 Solenoid	0	0	73.10	37.75	%
VCT_EXH_ DC2	VCT22 Solenoid	0	0	66.97	43.00	%
VCT_INT_ DC1	VCT11 Solenoid	0	0	0	40.73	%
VCT_INT_ DC2	VCT21 Solenoid	0	0	0	41 .03	%

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

2.7L F-150

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	19 (66.2)	19 (66.2)	10 (50)	8 (46.4)	DEG C (DEG F)
AAT_V	AAT Sensor	3.01	3.04	3.51	3.57	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	14.50	18.50	%
APP1	APP Sensor	0.75	0.75	1.21	1.34	VOLTS
APP1 (APP_D)	APP Sensor	14.90	14.90	23.92	26.66	%
APP2	APP Sensor	0.38	0.38	0.61	0.67	VOLTS
APP2 (APP_E)	APP Sensor	7.45	7.45	12.15	13.33	%
APP_MAXDIFF	PID	0	0	0.06	0.06	DEG
APP_MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/ PART PEDAL
B+	PID	14.41	14.46	14.35	14.24	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	8	8	9	9	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)	
BRKOVRR_ACTION	PID	0	0	0	0	NUMERIC VALUE
CAC_T	CACT Sensor	28 (82.4)	28 (82.4)	28 (82.4)	25 (77)	DEG C (DEG F)
CAC_V	CACT Sensor	2.31	2.32	2.31	2.43	VOLTS
CHT2	CHT2 Sensor	90 (194)	96 (204.8)	99 (204.8)	99 (204.8)	DEG C (DEG F)
CHT2_V	CHT2 Sensor	0.60	3.45	3.37	3.36	VOLTS
CLRDIST	PID	0 (0)	0 (0)	3.99 (2.48)	2.99 (1.86)	KM (MILES)
CRNKCAS_PR	Crankcase Pressure Sensor	0 (0)	-55 (-0.01)	-139 (-0.02)	111 (0.02)	Pa (PSI)
CRNKCAS_P_V	Crankcase Pressure Sensor	0	3.90	3.88	3.98	VOLTS
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOVRRD	PID	1.50 (0.93)	1.50 (0.93)	5.49 (3.41)	4.49 (2.79)	KM (MILES)
DTCCNT	PID	0	0	0	0	Numeric Value
ECT	ECT Sensor	0.56/92 (197.6)	0.56/92 (197.6)	0.52/95 (203)	0.52/95 (203)	VOLTS/DEG C (DEG F)
EQ_RAT11	PID	0:1	14.71:1	14.79:1	14.39:1	RATIO
EQ_RAT21	PID	0:1	14.56:1	14.25:1	14.36:1	RATIO
ETC_ACT	PID	7.02	2.08	6.08	17.49	DEG
ETC_TRIM	PID	0.53	0.53	0.49	0.49	DEG
FLI	Fuel Level Sensor	70.58 (H)	70.98 (H)	69.02 (H)	80.78 (H)	%
FLP	Fuel Pressure Sensor	605 (87.75)	599.50 (86.95)	547 (79.34)	563 (81.66)	kPa (PSI)
FLP_V	Fuel Pressure Sensor	3.92	3.89	3.57	3.67	VOLTS
FPM	PID	40.40	40.99	40.40	40.01	%
FRP	FRP Sensor	0.99/2910 (422.06)	0.83/1990 (288.63)	0.98/2850 (413.36)	0.84/2080 (301.68)	VOLTS/kPa (PSI)
FTP	FTP Sensor	2.64/46 (0.01)	2.49/-229 (-0.03)	2.22/-693 (-0.10)	2.26/-632 (-0.09)	VOLTS/Pa (PSI)
FTP_H2O	FTP Sensor	0.17	-0.92	-2.79	-2.55	NUMERIC VALUE
HTRCM12	HO2S12 Sensor	0	0	1.15	1.15	A
HTRCM22	HO2S22 Sensor	0	0	1.09	1.09	A
IAT	IAT Sensor	2.08/32 (89.6)	2.12/32 (89.6)	2.57/22 (71.6)	2.66/20 (68)	VOLTS/DEG C (DEG F)
IAT2	IAT2 Sensor	38 (100.4)	36 (96.8)	32 (89.6)	31 (87.8)	DEG C (DEG F)
IAT2_V	IAT2 Sensor	1.84	1.91	2.11	2.16	VOLTS
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNK_CNTR_CYL1	PID	0	0	0	0	COUNT