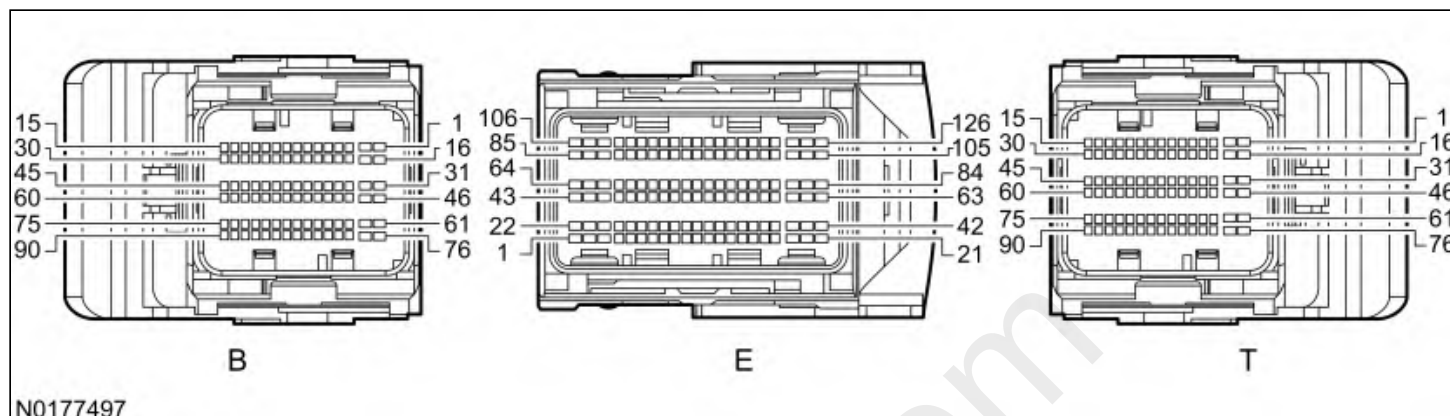


5.0L F-150

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	4 (39.2)	4 (39.2)	5 (41)	5 (41)	DEG C (DEG F)
AAT_V	AAT Sensor	3.77	3.78	3.74	3.73	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	12.50	13	%
APP1	APP Sensor	0.79	0.79	1.14	1.09	VOLTS
APP1 (APP_D)	APP Sensor	15.68	15.68	23.92	25.49	%
APP2	APP Sensor	0.40	0.40	0.62	0.64	VOLTS
APP2 (APP_E)	APP Sensor	7.84	7.84	12.15	12.94	%
APP_MAXDIFF	PID	0	0	0	0	DEG
B+	PID	12.05	14.60	14.57	14.60	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	0	0	1	1	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	3.64/90 (194)	3.59/88 (190.4)	3.46/92 (197.6)	3.40/93 (199.4)	VOLTS/DEG C (DEG F)
CLRDIST	PID	0.99 (0.62)	0.99 (0.62)	0.99 (0.62)	2.99 (1.86)	KM (MILES)
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_ BRKOVDR	PID	0	0	5.49 (3.41)	3.49 (2.17)	KM (MILES)
EQ_RAT11	PID	0:1	14.61:1	14.02:1	29.28:1	RATIO
EQ_RAT21	PID	0:1	14.67:1	12.48:1	29.28:1	RATIO
ETC_ACT	PID	8.17	2.50	2.03	6.25	DEG
ETC_TRIM	PID	-0.22	-0.22	-0.35	-0.35	DEG
FF_LRND	PID	NO	NO	NO	NO	YES/NO
FLI	Fuel Level Sensor	26.66 (H)	26.66 (H)	21.56 (H)	21.56 (H)	%
FLP	Fuel Pressure Sensor	488 (70.78)	444 (64.40)	441.50 (64.03)	440.50 (63.89)	kPa (PSI)
FLP_V	Fuel Pressure Sensor	2.46	2.28	2.27	2.26	VOLTS
FPM	PID	40.99	40	40.99	39.98	%
FRP	FRP Sensor	1.74/8890 (1289.39)	1.65/8300 (1203.81)	1.32/5900 (855.72)	1.12/4500 (652.67)	VOLTS/kPa (PSI)
FRT	FRT Sensor	22 (71.6)	21 (69.8)	28 (82.4)	29 (84.2)	DEG C (DEG F)
FRT_V	FRT Sensor	2.59	2.61	2.30	2.25	VOLTS
FTP	FTP Sensor	2.63/29 Pa (0)	1.76/-1.51 (-0.22)	1.62/-1.75 (-0.25)	1.53/-1.91 (-0.28)	VOLTS/kPa (PSI)
FTP_H2O	FTP Sensor	0.10	-5.94	-7.04	-7.70	NUMERIC VALUE
HTRCM12	HO2S12 Sensor	0	0	0	0	mA
HTRCM22	HO2S22 Sensor	0	0	0	0	mA
IAT	IAT Sensor	2.19/30 (86)	2.35/27 (80.6)	2.31/27 (80.6)	2.37/26 (78.8)	VOLTS/DEG C (DEG F)
IMRC1M	IMRC1M Sensor	3.33	1.40	1.35	1.36	VOLTS
IMRC2M	IMRC2M Sensor	3.31	1.41	1.34	1.37	VOLTS
INJPWR_M	PID	11.75	14.43	14.51	14.54	VOLTS
INJ_F	PID	NO	NO	NO	NO	YES/NO
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNOCK_1	KS1 Sensor	999	25	85	84	COUNT
KNOCK_2	KS2 Sensor	999	25	68	51	COUNT
LOAD	PID	0.00 (I)	30.98	19.21	75.29	%
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	100 (14.50)	37 (5.37)	53 (7.69)	81 (11.75)	kPa (PSI)
MAP_GAUGE	MAP Sensor	1 (0.15) (I)	64 (9.28)	48 (6.96)	20 (2.90)	kPa (PSI)

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
MAP_V	MAP Sensor	4.05	1.49	2.17	3.21	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	4	4	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	0.16	0.17	0.17	VOLTS
O2S21_READY	HO2S21 Sensor	NO	YES	YES	YES	YES/NO
O2S22	HO2S22 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
OSS_RAW	OSS Sensor	0	0	1097	1965	RPM
RO2FT1	PID	0	-0.72	1.19	-0.98	%
RO2FT2	PID	0	-0.70	1.08	1	%
RPM	CKP Sensor	0	597.75	1051	1248.75	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	13.72	7.45	11.37	27.84	VOLTS/%
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	-0.12	-0.25	23	DEG
VCT_EXH_ACT2	PID	0	0	0	27.93	DEG
VCT_EXH_DIF1	PID	0	0.06	2.75	0	DEG
VCT_EXH_DIF2	PID	0	0	3.06	-0.06	DEG
VCT_INT_ACT1	PID	0	29.81	33.43	40.12	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_ACT2	PID	0	29.75	33.18	40.43	DEG
VCT_INT_DIF1	PID	0	0.12	-0.31	-0.37	DEG
VCT_INT_DIF2	PID	0	0.18	0	-0.68	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	17	17	17	17	NUMERIC VALUE
CYL_1-8_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	9.02	2.74	1.56	13.33	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	69.26	79.23	95.10	%
EVAPCV	CANV Valve	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPPCT	PID	0	69.02	79.21	94.90	%
EVAPSOAK	PID	YES	YES	YES	YES	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	MONITOR COMPLETE	MONITOR COMPLETE	STATUS
EVBV	EVAP Vapor Blocking Valve	0/OPEN	0/OPEN	100/CLOSED	100/CLOSED	%/OPEN-CLOSED
FP	Fuel Pump Control Module	75.99/OFF	17.43/ON	17.92/ON	17.88/ON	%/ON/OFF
FRP_DSD	PID	420 (60.92)	2750 (398.85)	3170 (459.77)	3630 (526.47)	kPa (PSI)
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
F_VCV	Fuel Injection Pump	0	0	2.68	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
HTR21	HO2S21 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)	
HTR22	HO2S22 Sensor	OFF	ON	ON	ON	ON/OFF
IMRC	IMRC Solenoid	OFF	ON	ON	ON	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	OFF	OFF	OFF	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	22.35	27.05	21.96	28.62	%
O2S21_HTR	HO2S21 Sensor	22.35	24.70	21.17	26.27	%
O2_DS_ DISBL	PID	YES	NO	NO	NO	YES/NO
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
RPMDSD	PID	1000	601	526	526	RPM
SPARKADV	PID	18.50	-1.50	1.00	22.25	DEG
VCT_EXH_ DC1	VCT12 Solenoid	0	0	40.56	39.70	%
VCT_EXH_ DC2	VCT22 Solenoid	0	0	38.66	39.12	%
VCT_INT_ DC1	VCT11 Solenoid	0	50.75	54.93	57.72	%
VCT_INT_ DC2	VCT21 Solenoid	0	52.92	57.90	0.56	%

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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