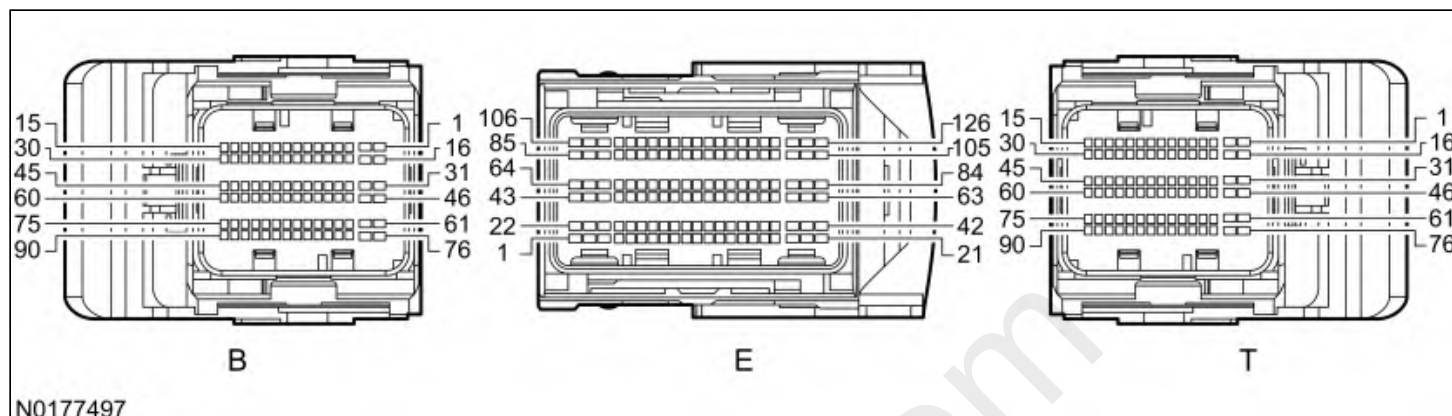


3.3L Explorer

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	0 (32)	0 (32)	1 (33.8)	1 (33.8)	DEG C (DEG F)
AAT_V	AAT Sensor	3.75	3.81	3.88	3.94	VOLTS
AC_REQUEST	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	19	32	%
APP1	APP Sensor	0.77	0.77	1.35	1.76	VOLTS
APP1 [APP_D]	APP Sensor	15	15	27	35	%
APP2	APP Sensor	0.39	0.39	0.67	0.88	VOLTS
APP2 [APP_E]	APP Sensor	7	7	13	18	%
APP_MAXDIFF	PID	0	0	0.06	0.06	DEG
BARO	PID	100 (14.50)	100 (14.50)	100 (14.50)	100 (14.50)	kPa (PSI)
BARO_V	PID	3.94	3.94	3.94	3.93	VOLTS
BATT_V_INF	PID	12.34	15.15	15.15	15.15	VOLTS
BOO1	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BOO2	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BRKOV RD_POSS	PID	112	112	112	112	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)	
BRKOVRACTION	PID	0	0	0	0	NUMERIC VALUE
CAM_SYNC	PID	NO	NO	NO	NO	YES/NO
CATTEMP11	CAT11 Sensor	388 (730.4)	335 (635)	379 (714.2)	459 (858.2)	DEG C (DEG F)
CATTEMP12	CAT12 Sensor	388 (730.4)	335 (635)	379 (714.2)	458 (858.2)	DEG C (DEG F)
CHT	CHT Sensor	97 (206.6)	100 (212)	101 (213.8)	104 (219.2)	DEG C (DEG F)
CHT_V	CHT Sensor	3.49	3.38	3.36	3.29	VOLTS
CLRDIST	PID	2.0 (1.24)	2.0 (1.24)	0.0 (0.0)	2.0 (1.24)	KM (MILES)
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOVRACTION	PID	979.5 (608.63)	979.5 (608.63)	977.5 (607.39)	979.0 (608.32)	KM (MILES)
DPFE_PRES	Differential Pressure Feedback EGR Sensor	0.01 (0.00)	0.01 (0.00)	1.12 (0.16)	-0.66 (-0.10)	kPa (PSI)
DPFE_V	Differential Pressure Feedback EGR Sensor	2.00	2.02	2.08	1.89	VOLTS
DTCNT	PID	0	0	0	0	NUMERIC VALUE
ECT	ECT Sensor	88 (190.4)	88 (190.4)	90 (194)	90 (194)	DEG C (DEG F)
EGRVP	EGR Valve	0.54	0.54	0.54	0.54	VOLTS
EGR_A_ACT	EGR Valve	0	0	0	0	%
EQ_RAT11	PID	0.00	1.00	1.94	1.05	RATIO
EQ_RAT21	PID	0.00	1.00	2.00	1.05	RATIO
ETC_ACT	PID	7.95	1.05	1.70	15.09	DEG
ETC_TRIM	PID	-0.22	-0.19	-0.19	-0.19	DEG
FF_INF	PID	10	10	10	10	%
FF_LRND	PID	TRUE	TRUE	TRUE	TRUE	TRUE/FALSE
FLI	Fuel Level Sensor	36	36	33	33	%
FLP	Fuel Pressure Sensor	541 (78.46)	489 (70.92)	415 (60.19)	383 (55.55)	kPa (PSI)
FLP_DSD	Fuel Pressure Sensor	549 (79.63)	378 (54.82)	378 (54.82)	378 (54.82)	kPa (PSI)
FLP_V	Fuel Pressure Sensor	2.66	2.13	2.16	2.03	VOLTS
FPM	PID	40	41	41	40	%
FRP	FRP Sensor	17.60 (2552.6)	16.99 (2464.2)	7.920 (1148.7)	5.90 (855.7)	MPa (PSI)
FRP_V	FRP Sensor	3.20	3.11	1.72	1.40	VOLTS
FRT	FRPT Sensor	29 (84.2)	31 (87.8)	33 (91.4)	32 (89.6)	DEG C (DEG F)
FRT_A_RAW	FRPT Sensor	29 (84.2)	31 (87.8)	33 (91.4)	32 (89.6)	DEG C (DEG F)
FRT_V	FRT Sensor	2.26	2.17	2.07	2.12	VOLTS
FTP_V	FTP Sensor	2.65	2.64	2.09	2.44	VOLTS
HTRCM11	HO2S11 Sensor	0.00	0.00	0.00	0.00	A

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
HTRCM12	HO2S12 Sensor	0.00	0.00	0.00	0.00	A
HTRCM21	HO2S21 Sensor	0.00	0.00	0.00	0.00	A
HTRCM22	HO2S22 Sensor	0.00	0.00	0.00	0.00	A
IAT	IAT Sensor	31 (87.8)	30 (86)	24 (75.2)	19 (66.2)	DEG C (DEG F)
IAT11	IAT Sensor	31 (87.8)	29 (84.2)	22 (71.6)	19 (66.2)	DEG C (DEG F)
IAT2	IAT2 Sensor	15 (59)	15 (59)	15 (59)	15 (59)	DEG C (DEG F)
IAT2_V	IAT2 Sensor					VOLTS
IGN_SW	Ignition Switch	ON	ON	ON	ON	ON/OFF
INJPWR_M	PID	12.03	14.40	14.82	14.65	VOLTS
INJ1-6_F	PID	NO	NO	NO	NO	YES/NO
KNOCK_1	KS11 Sensor	999.00	42.00	56.00	72.00	COUNT
KNOCK_2	KS12 Sensor	999.00	45.00	103.00	69.00	COUNT
LOAD	PID	0	27	70	91	%
LOAD_ABSL	PID	0	15	11	59	%
LONGFT1	PID	1.56	-1.56	2.34	8.59	%
LONGFT2	PID	-4.69	-2.34	1.56	6.25	%
MAP	MAP Sensor	100.0 (14.50)	34.0 (4.93)	78.0(11.31)	72.0 (10.44)	kPa (PSI)
MAP_HR	MAP Sensor	100.0 (14.5)	33.50 (4.86)	83.25 (12.07)	94.50 (13.71)	kPa (PSI)
MAP_V	MAP Sensor	3.99	1.29	3.11	3.80	VOLTS
MIL_DIS	PID	0 (0)	0 (0)	0 (0)	0 (0)	KM (MILES)
MISFIRE	PID	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
MP_LRN	PID	TRUE	TRUE	TRUE	TRUE	TRUE/FALSE
NUM_MISFIRE	PID	0	0	0	0	COUNT
O2S11_CUR	HO2S11 Sensor	0	16	-31	-31	uA
O2S11_IMP	HO2S11 Sensor	5.00	0.17	0.17	0.17	VOLTS
O2S11_READY	HO2S11 Sensor	FALSE	TRUE	TRUE	TRUE	TRUE/FALSE
O2S11_HTR	HO2S11 Sensor	23	78	29	22	%
O2S12	HO2S12 Sensor	0.73	0.79	0.81	0.79	VOLTS
O2S21_CUR	HO2S21 Sensor	0	8	-35	-20	mA/uA
O2S21_IMP	HO2S21 Sensor	5.00	0.18	0.17	0.17	VOLTS
O2S21_READY	HO2S21 Sensor	FALSE	TRUE	TRUE	TRUE	TRUE/FALSE
O2S21_HTR	HO2S21 Sensor	23	78	30	21	%
O2S22	HO2S22 Sensor	0.73	0.80	0.81	0.58	VOLTS

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
OCTADJ_R_LRND	PID	0	0	0	0	%
OSS_RAW	OSS Sensor	0	0	1251	2211	RPM
RO2FT1	PID	0.00	-0.02	0.00	0.02	%
RO2FT2	PID	0.00	-0.02	0.00	0.00	%
RPM	CKP Sensor	0	871	1585	2208	RPM
SHRTFT1	PID	0.00	0.00	0.00	5.47	%
SHRTFT2	PID	0.00	0.00	-2.34	5.47	%
SYNC	PID	NO (FALSE)	YES (TRUE)	YES (TRUE)	YES (TRUE)	YES/NO (TRUE/FALSE)
TP1	ETBTPS	/	/	/	/	VOLTS/%
TP1_LRN_TRIM	ETBTPS	10.00	10.00	10.00	10.00	DEG
TP1_PER	ETBTPS	17	12	12	17	%
TP2_LRN_TRIM	ETBTPS	0.00	0.00	0.00	0.00	DEG
TP_REL	PID	7	2	2	7	VOLTS
VCTSYS	PID	DISABLED	ENABLED	ENABLED	ENABLED	ENABLED/DISABLED
VCT_EXH_ACT1	PID	0.00	-0.38	45.25	19.44	DEG
VCT_EXH_ACT2	PID	0.00	0.00	40.44	18.13	DEG
VCT_EXH_DIF1	PID	0.00	0.38	-20.19	-0.06	DEG
VCT_EXH_DIF2	PID	0.00	0.00	-16.88	0.63	DEG
VCT_INT_ACT1	PID	0.00	0.00	-10.19	-9.69	DEG
VCT_INT_ACT2	PID	0.00	-0.13	-9.31	-9.31	DEG
VCT_INT_DIF1	PID	0.00	0.63	-1.00	-0.19	DEG
VCT_INT_DIF2	PID	0.00	0.13	-0.69	-0.63	DEG
VSS	PID	0	0	48km/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)	

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	0	0	0	0	NUMERIC VALUE
BOOSTP_EVAL	PID	YES	YES	YES	YES	YES/NO
CACC_FAN	Charge Air Cooler Cooling Fan	0	0	0	0	%
CYL_1-6_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +1	NUMERIC VALUE
DIST_AEIS	PID	0 (0)	0 (0)	0 (0)	0 (0)	KM (MILES)
EGRVPDES	PID	0	0	0	0	%
EGR_A_CMD	PID	0	0	0	0	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	42	51	17	%
EVAPCV	CANV Valve	0	0	0	0	%
EVAPPCT	PID	0	42	51	17	%
EVAPSOAK	PID	NO	NO	NO	NO	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
EVBV	EVAP Vapor Blocking Valve	0	0	100	100	%
FAN_DSD	PID	0	0	0	0	%
FP	Fuel Pump Control Module	75	15	15	15	%
FRP_DSD	PID	0.46 (66.72)	5.17 (749.85)	5.17 (749.85)	5.90 (855.72)	MPa (PSI)
FUELSYS_CL	PID	NO	NO	YES	YES	YES/NO
FUELSYS_OL	PID	NO	YES	NO	NO	YES/NO
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
INJECTOR_OFF	Injector 1-6	-----	-----	-----	-----	-----
LFC	PID	OFF	OFF	OFF	OFF	ON/OFF
MFC	PID	OFF	OFF	OFF	OFF	ON/OFF
MIL_OBD	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	23	24	24	18	%
O2S21_HTR	HO2S21 Sensor	23	25	24	18	%
O2_DS_DISBL	PID	TRUE	FALSE	TRUE	FALSE	TRUE/FALSE

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
PATSENABL	PID	DISABLED	DISABLED	DISABLED	DISABLED	ENABLED/ DISABLED
RPM_DSD	PID	869	869	625	625	RPM
SPARKADV	PID	5.00	12.00	9.00	25.00	DEG
VCT_EXH_ DC1	VCT12 Solenoid	0	0	2	39	%
VCT_EXH_ DC2	VCT22 Solenoid	0	0	0	39	%
VCT_INT_ DC1	VCT11 Solenoid	0	0	37	39	%
VCT_INT_ DC2	VCT21 Solenoid	0	0	40	41	%

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