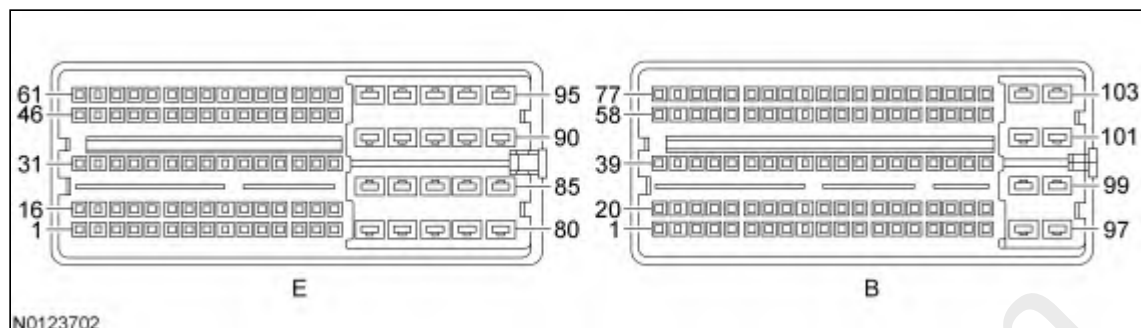


2.0L Escape / Kuga**198 Pin PCM****Typical Diagnostic Reference Values**

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	6 (42.8)	6 (42.8)	7 (44.6)	6 (42.8)	DEG C (DEG F)
AAT_V	AAT Sensor	3.69	3.69	3.64	3.66	VOLTS
AC_REQUEST	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	16	17	%
APP1	APP Sensor	0.85	0.86	1.36	1.41	VOLTS
APP1_ [APP_D]	APP Sensor	17	17	27	28	%
APP2	APP Sensor	0.43	0.43	0.69	0.71	VOLTS
APP2_ [APP_E]	APP Sensor	8	8	14	14	%
APP_ MAXDIFF	PID	0.00	0.00	0.00	0.00	DEG
BARO	PID	100 (14.50)	100 (14.50)	100 (14.50)	99 (14.36)	kPa (PSI)/
BARO_V	PID	3.91	3.91	3.91	3.91	VOLTS
BATT_V_INF	PID	12.77	14.46	14.46	14.46	VOLTS
BOO1	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BOO2	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BRKOV RD_ POSS	PID	32	32	32	32	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)	
CAM_SYNC	PID	NO	NO	NO	NO	YES/NO
CATTEMP11	CAT11 Sensor	522 (971.6)	536 (996.8)	522 (971.6)	666 (1230.8)	DEG C (DEG F)
CHT	CHT Sensor	85 (185)	85 (185)	85 (185)	86 (186.8)	DEG C (DEG F)
CHT2	CHT2 Sensor	93 (199.4)	95 (203)	93 (199.4)	101 (213.8)	DEG C (DEG F)
CHT2_V	CHT2 Sensor	3.61	3.55	3.61	101	VOLTS
CLRDIST	PID	2.0 (1.24)	2.0 (1.24)	2.0 (1.24)	2.0 (1.24)	KM (MILES)
CRNKCAS_PR	Crankcase Pressure Sensor	0.04 (0.01)	-0.02 (-0.00)	0.04 (0.01)	-0.01 (-0.00)	kPa (PSI)
CRNKCAS_P_V	Crankcase Pressure Sensor	3.35	3.33	3.35	3.39	VOLTS
DECHOKE	PID	YES	NO	YES	NO	YES/NO
DIST_BRKOV	PID	857.0 (532.52)	857.0 (532.52)	857.0 (532.52)	856.5 (532.20)	KM (MILES)
DPFE_PRES	Differential Pressure Feedback EGR Sensor	-0.14 (-0.02)	-0.14 (-0.02)	-0.14 (-0.02)	3.15 (0.46)	kPa (PSI)
DTCCNT	PID	0	0	0	0	NUMERIC VALUE
DTCCNT_OBD	PID	0	0	0	0	NUMERIC VALUE
EBP	EBP Sensor	96.86 (14.05)	97.78 (14.18)	100.14 (14.52)	99.05 (14.37)	kPa (psi)
EBP_V	EBP Sensor	0.94	0.95	0.98	0.97	VOLTS
ECT	ECT Sensor	78 (172.4)	78 (172.4)	83 (181.4)	85 (185)	DEG C (DEG F)
ECT1_V	ECT Sensor	0.80	0.80	0.68	0.65	VOLTS
EGRT_B	EGRT12 Sensor	40 (104)	40 (104)	64 (147.2)	60 (140)	DEG °C (°F)
EGRT_B_V	EGRT12 Sensor	0.99	1.00	0.50	0.60	VOLTS
EGRVP	EGR Valve	0.92	0.92	1.33	1.26	VOLTS
EGR_A_ACT	EGR Valve	0	0	0	0	%
EQ_RAT11	PID	0.00	1.00	1.01	0.99	RATIO
ETC_ACT	PID	12.59	2.65	7.32	3.49	DEG
ETC_TRIM	PID	0.01	0.01	-0.02	-0.02	DEG
FLI	Fuel Level Sensor	18 (H)	18 (H)	18 (H)	18 (H)	%
FLP	Fuel Pressure Sensor	613 (88.91)	555 (80.50)	549 (79.63)	551 (79.92)	kPa (PSI)
FLP_DSD	Fuel Pressure Sensor	546 (79.19)	546 (79.19)	546 (79.19)	546 (79.19)	kPa (PSI)
FLP_V	Fuel Pressure Sensor	3.97	3.62	3.58	3.59	VOLTS
FPM	PID	40	39	39	39	%
FRP	FRP Sensor	7.75 (1124.04)	2.67 (387.25)	6.81 (987.71)	5.79 (839.77)	MPa (PSI)
FRP_V	FRP Sensor	1.38	0.79	1.26	1.16	VOLTS

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
FTP_V	FTP Sensor	2.64	2.46	2.34	2.32	VOLTS
HTRCM11	HO2S11 Sensor	0.00	0.00	0.00	0.00	mA
HTRCM12	HO2S12 Sensor	0.00	0.00	0.00	0.00	mA
IAT	IAT Sensor	39 (102.2)	31 (87.8)	30 (86)	30 (86)	DEG C (DEG F)
IAT11	IAT Sensor	39 (102.2)	32 (89.6)	29 (84.2)	29 (84.2)	DEG C (DEG F)
IAT12	IAT2 Sensor	38 (100.4)	36 (96.8)	31 (87.8)	31 (87.8)	DEG C (DEG F)
IAT1_V	IAT Sensor	1.82	2.13	2.20	2.20	VOLTS
IAT2	IAT2 Sensor	38 (100.4)	36 (96.8)	31 (87.8)	31 (87.8)	DEG C (DEG F)
IAT2_V	IAT2 Sensor	1.84	1.92	2.13	2.13	VOLTS
IGN_SW	Ignition Switch	ON	ON	ON	ON	ON/OFF
INJ_F	PID	NO	NO	NO	NO	YES/NO
INJ1-4_F	PID	NO	NO	NO	NO	YES/NO
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
KNOCK_1	KS11 Sensor	999.00	64.00	71.00	95.00	COUNT
KNOCK_2	KS12 Sensor	999.00	63.00	72.00	93.00	COUNT
LOAD	PID	0.00 (I)	47	21	21	%
LOAD_ABSL	PID	0.00 (I)	27	22	22	%
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAP	MAP Sensor	99 (14.36)	44 (6.38)	39 (5.66)	39 (5.66)	kPa (PSI)
MAP_V	MAP Sensor	1.53	0.65	0.89	1.17	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	(I)	switching	switching	switching	mA/uA
O2S11_IMP	HO2S11 Sensor	5.00	0.79	0.17	0.17	VOLTS
O2S11_READY	HO2S11 Sensor	FALSE	TRUE	TRUE	TRUE	TRUE/FALSE

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
O2S12	HO2S12 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
O2S21_READY	HO2S21 Sensor	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
OCTADJ_R_LRND	PID	0	0	0	0	%
OSS_RAW	OSS Sensor	0	0	1236	2254	RPM
RO2FT1	PID	0.00	0.00	-0.01	0.00	%
RPM	CKP Sensor	0	758	1785	1695	RPM
SHRTFT1	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TCBP	TCBP Sensor	97.3 (14.11)	100.1 (14.52)	97.6 (14.16)	97.2 (14.10)	kPa (PSI)
TCBP_V	TCBP Sensor	1.42	1.43	1.43	1.42	VOLTS
TP1_LRN_TRIM	ETBTPS	6.13	6.13	6.13	6.13	DEG
TP1_PER	ETBTPS	18	8	13	15	%
TP_REL	PID	12	2	7	9	VOLTS
TURBO_BP1_STAT	TCBY Valve	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
VCTSYS	PID	DISABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
VCT_EXH_ACT1	PID	0.00	-0.19	19.94	20.13	DEG
VCT_EXH_DIF1	PID	0.00	0.25	2.00	0.00	DEG
VCT_INT_ACT1	PID	0.00	0.25	0.19	-26.25	DEG
VCT_INT_DIF1	PID	0.00	-0.25	-0.19	-0.50	DEG
VSS	PID	0	0	48 km/h (30 MPH)	89 km/h (55 MPH)	km/h / MPH
WGATE_A_POS_PCT	Turbocharger Wastegate Motor 1	98.90	0.00	42.14	96.97	%
WGATE_A_V	Wastegate Position Sensor	4.08	1.50	2.61	4.04	VOLTS

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	41	41	41	41	NUMERIC VALUE
CYL_1-4_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)	0.0 (0.0)	0.0 (0.0)	KM (MILES)
EGRVPDES	PID	0	0	14	11	%
EGR_A_CMD	PID	0	0	0	0	%
ETC_[TAC_PCT]	PID	9	3	8	4	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	5	42	39	%
EVAPCV	CANV Valve	0	0	0	0	%/ON-OFF
EVAPPCT	PID	0	5	41	38	%
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	%/OPEN-CLOSED
FAN_DSD	PID	8	8	8		%
FP	Fuel Pump Control Module	75	30	30	30	%/ON/OFF
FRP_DSD	PID	0.43 (62.37)	2.63 (381.45)	6.84 (992.06)	5.82 (844.12)	MPa (PSI)
FUELSYS_CL	PID	NO	YES	YES	YES	YES/NO
FUELSYS_OL	PID	NO	NO	NO	NO	YES/NO
FUEL_RDY	PID	NO	NO	NO	YES	YES/NO
F_VCV	Fuel Injection Pump	0	5	1	9	%
HTR11	HO2S11 Sensor	OFF	ON	ON	ON	ON/OFF
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	ON/OFF
INJECTOR_OFF	Injector 1-4	-----	-----	-----	-----	-----/ DISABLE
MIL_OBD	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	22	76	29	25	%
O2_DS_DISBL	PID	TRUE	TRUE	FALSE	TRUE	TRUE/FALSE
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
RPM_DSD	PID	750	773	800	800	RPM
SPARKADV	PID	10.00	-1.00	46.50	34.00	DEG

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
TURBO_ BPASS	TCBY Valve	0	0	0	100	%
TURBO_ WGATE	Turbocharger Wastegate Control	0	0	0	0	%
VCT_EXH_ DC1	VCT12 Solenoid	0	0	45	41	%
VCT_INT_ DC1	VCT11 Solenoid	0	0	0	40	%

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