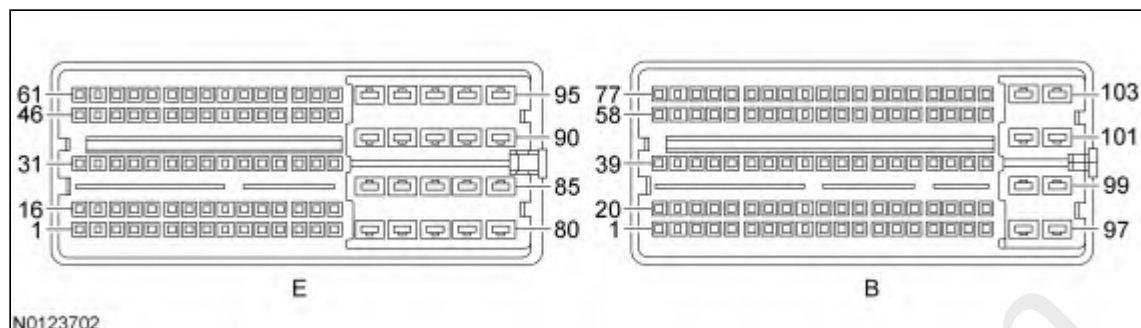


1.5L Escape / Kuga**198 Pin PCM Automatic Transmission****Typical Diagnostic Reference Values**

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	2 (35.6)	2 (35.6)	2 (35.6)	2 (35.6)	DEG C (DEG F)
AAT_V	AAT Sensor	3.85	3.88	3.86	3.87	VOLTS
AC_REQUEST	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	17	16	%
APP1	APP Sensor	0.81	0.81	1.33	1.30	VOLTS
APP1_ [APP_D]	APP Sensor	16	16	26	26	%
APP2	APP Sensor	0.42	0.42	0.68	0.66	VOLTS
APP2_ [APP_E]	APP Sensor	8	8	13	13	%
APP_ MAXDIFF	PID	0	0	0	0	DEG
BARO	PID	99 (14.36)	99 (14.36)	99 (14.36)	99 (14.36)	kPa (PSI)
BARO_V	PID	3.86	3.86	3.86	3.86	VOLTS
BATT_V_INF	PID	12.56	14.99	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	17	17	17	17	NUMERIC VALUE
BRKOV R_ ACTION	PID	0	0	0	0	NUMERIC VALUE
CAM_SYNC	PID	NO	NO	NO	NO	YES/NO
CATTEMP11	CAT11 Sensor	344 (651.2)	361 (681.8)	335 (635)	431 (807.8)	DEG C (DEG F)

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	93 (199.4)	95 (203)	97 (206.6)	98 (208.4)	DEG C (DEG F)
CHT2	CHT2 Sensor	101 (213.8)	99 (210.2)	109 (228.2)	112 (233.6)	DEG C (DEG F)
CHT2_V	CHT2 Sensor	3.83	3.43	3.11	2.99	VOLTS
CLRDIST	PID	2 (1.24)	2 (1.24)	0 (0)	2 (1.24)	KM (MILES)
CRNKCAS_PR	Crankcase Pressure Sensor	-0.01 (-0.00)	-0.00 (-0.00)	-0.20 (-0.03)	0.15 (0.02)	kPa (PSI)
CRNKCAS_P_V	Crankcase Pressure Sensor	3.94	3.93	3.89	3.97	VOLTS
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOV	PID	30 (18.64)	30 (18.64)	30 (18.64)	30.5 (18.95)	KM (MILES)
DTCCNT	PID	0	0	0	0	NUMERIC VALUE
DTCCNT_OBD	PID	0	0	0	0	NUMERIC VALUE
ECT	ECT Sensor	93 (199.4)	91 (195.8)	97 (206.6)	96 (204.8)	DEG C (DEG F)
EQ_RAT11	PID	0.00	1.01	0.98	0.93	RATIO
ETC_ACT	PID	9.27	3.30	12.21	7.23	DEG
ETC_TRIM	PID	0.17	0.17	0.13	0.13	DEG
FLI	Fuel Level Sensor	51 (H)	51 (H)	53 (H)	51 (H)	%
FLP	Fuel Pressure Sensor	729 (105.73)	395 (57.29)	439 (63.67)	444 (64.40)	kPa (PSI)
FLP_DSD	Fuel Pressure Sensor	444 (64.40)	402 (58.31)	426 (61.79)	429 (62.22)	kPa (PSI)
FLP_V	Fuel Pressure Sensor	3.02	1.68	1.86	1.88	VOLTS
FPM	PID	40	40	40	40	%
FRP	FRP Sensor	29.67 (4,303.27)	28.22 (4,092.97)	22.67 (3,288.01)	21.25 (3,082.05)	MPa (PSI)
FRP_V	FRP Sensor	3.89	3.72	3.09	2.93	VOLTS
FRT_A_RAW	FRPT Sensor	45 (113)	47 (116.6)	49 (120.2)	49 (120.2)	DEG C (DEG F)
FRT_V	FRT Sensor	1.67	1.62	1.53	1.52	VOLTS
FTP_V	FTP Sensor	2.63	2.36	2.28	2.17	VOLTS
HTRCM11	HO2S11 Sensor	0	0	0	0	mA
HTRCM12	HO2S12 Sensor	0	0	0	0	mA
IAT	IAT Sensor	28 (82.4)	26 (78.8)	22 (71.6)	19 (66.2)	DEG C (DEG F)
IAT11	IAT Sensor	28 (82.4)	27 (80.6)	22 (71.6)	19 (66.2)	DEG C (DEG F)
IAT12	IAT2 Sensor	41 (105.8)	41 (105.8)	35 (95)	30 (86)	DEG C (DEG F)
IAT1_V	IAT Sensor	2.28	2.37	2.57	2.71	VOLTS
IAT2	IAT2 Sensor	41 (105.8)	41 (105.8)	35 (95)	30 (86)	DEG C (DEG F)
IAT2_V	IAT2 Sensor	1.71	1.74	1.94	2.17	VOLTS
IGN_SW	Ignition Switch	ON	ON	ON	ON	ON/OFF
INJPWR_M	PID	12.36	14.98	14.98	14.98	VOLTS
INJ1-3_F	PID	NO	NO	NO	NO	YES/NO

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
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
KNOCK_1	KS11 Sensor	4,999.00	174.00	309.00	241.00	COUNT
LOAD	PID	0.00 (l)	20	28	19	%
LOAD_ABSL	PID	0.00 (l)	22	42	30	%
LONGFT1	PID	(l)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAP	MAP Sensor	98 (208.4)	36 (96.8)	78 (172.4)	62 (143.6)	kPa (PSI)
MAP_V	MAP Sensor	151	0.55	1.21	0.94	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	(l)	switching	switching	switching	mA/uA
O2S11_IMP	HO2S11 Sensor	5	3.27	1.03	1.02	VOLTS
O2S11_READY	HO2S11 Sensor	FALSE	FALSE	TRUE	TRUE	TRUE/FALSE
O2S11_TR	HO2S11 Sensor	0	85.10	85.10	85.10	Kohm
O2S12	HO2S12 Sensor	(l)	switching (D)	switching (D)	switching (D)	VOLTS
OCTADJ_R_LRND	PID	0	0	0	0	%
OSS_RAW	OSS Sensor	0.00	0.00	1,498	2,519	RPM
RO2FT1	PID	0	0	0.01	0.00	%
RPM	CKP Sensor	0	893	1,510	1,887	RPM
SHRTFT1	PID	(l)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TCBP	TCBP Sensor	99.3 (14.40)	99.6 (14.45)	100.0 (14.50)	99.4 (14.42)	kPa (PSI)
TCBP_V	TCBP Sensor	1.51	1.52	1.53	1.52	VOLTS
TP1_LRN_TRIM	ETBTPS	8.63	8.63	8.63	8.63	DEG
TP1_PER	ETBTPS	17	12	15	14	%
TP2_LRN_TRIM	ETBTPS	8.63	0.00	0.00	0.00	DEG
TP_REL	PID	9	3	7	6	VOLTS

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
VCTSYS	PID	DISABLED	ENABLED	ENABLED	ENABLED	DISABLED/ENABLED
VCT_EXH_ACT1	PID	0.00	0.13	45.63	20.25	DEG
VCT_EXH_DIF1	PID	0.00	-0.13	-0.13	0.19	DEG
VCT_INT_ACT1	PID	0.00	0.19	-11.13	-38.69	DEG
VCT_INT_DIF1	PID	0.00	-0.19	-0.44	2.06	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	0	0	0	0	NUMERIC VALUE
CYL_1-3_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)
ETC_[TAC_PCT]	PID	11	2	8	7	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	35	62	72	%
EVAPCV	CANV Valve	0	0	0	0	%/ON-OFF
EVAPPCT	PID	0	34	62	72	%
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	0	0	0	0	%
FP	Fuel Pump Control Module	75	17	19	19	%/ON/OFF
FRP_DSD	PID	0.31 (44.96)	3.44 (498.93)	3.44 (498.93)	3.44 (498.93)	MPa (PSI)
FUELSYS_CL	PID	NO	YES	YES	YES	YES/NO
FUELSYS_OL	PID	NO	NO	NO	NO	YES/NO

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
F_VCV_CMD	Fuel Injection Pump	0	0	0	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
INJECTOR_OFF	Injector 1–3	-----	-----	-----	-----	-----/ DISABLE
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	21	72	29	27	%
O2_DS_ DISBL	PID	TRUE	TRUE	FALSE	TRUE	TRUE/FALSE
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
RPM_DSD	PID	949	949	860	860	RPM
SPARKADV	PID	-15.00	14.00	32.00	1.50	DEG
TURBO_ WGATE	Turbocharger Wastegate Control	16	70	15	35	%
VCT_EXH_ DC1	VCT12 Solenoid	0	0	38	36	%
VCT_INT_ DC1	VCT11 Solenoid	0	0	37	33	%

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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