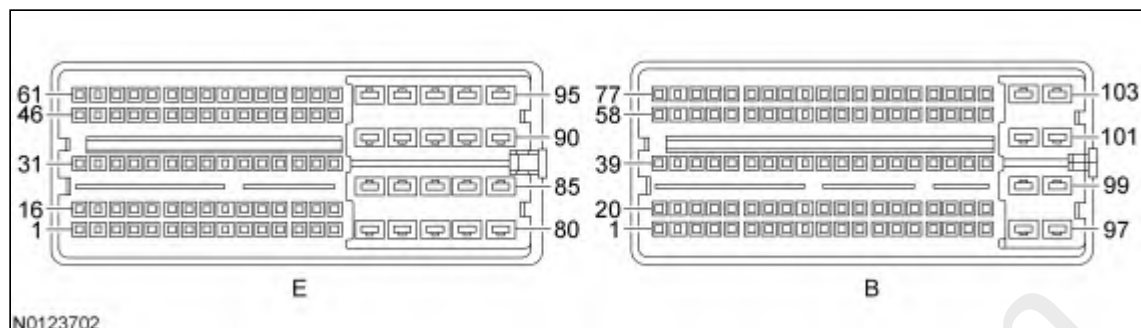


2.5L Fusion**198 Pin PCM****Typical Diagnostic Reference Values**

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	7 (44.60)	6 (42.80)	3 (37.40)	3 (37.40)	DEG C (DEG F)
AAT_V	AAT Sensor	3.64	3.69	3.83	3.82	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	7	16.50	%
APP_MAXDIFF	PID	0	0	0	-0.06	DEG
APP_MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/ PART PEDAL
APP1	APP Sensor	0.77	0.77	0.98	1.30	VOLTS
APP1 (APP_D)	APP Sensor	15.29	15.29	20	25.88	%
APP2	APP Sensor	0.38	0.38	0.49	0.65	VOLTS
APP2 (APP_E)	APP Sensor	7.45	7.45	9.80	12.94	%
B+	PID	12.92	14.32	14.52	14.42	VOLTS
BARO	PID	99.97 (14.50)/ 157.02/ 401.46	99.97 (14.50)/ 157.02/ 401.46	99.97 (14.50)/ 157.02/ 401.46	99.97 (14.50)/ 157.02/ 401.46	kPa (PSI)/Hz/ in-H ₂ O
BOO1	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BOO2	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BRKOVr_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)	
BRKOV RD_POSS	PID	3	3	4	4	NUMERIC VALUE
CHT	CHT Sensor	0.65/87 (188.60)	0.69/84 (183.20)	3.77/88 (190.40)	3.71/90 (194)	VOLTS/DEG C (DEG F)
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOV RD	PID	10.49 (6.52)	10.49 (6.52)	14.98 (9.31)	13.49 (8.38)	KM (MILES)
EQ_RAT11	PID	0/0:1	1/14.70:1	1.03/15.14:1	1.01/14.82:1	RATIO
ETC_ACT	PID	7.99	2.54	7.03	9.45	DEG
ETC_TRIM	PID	-0.02 (E)	-0.02 (E)	-0.02 (E)	-0.02 (E)	DEG
FLI	Fuel Level Sensor	81.56 (C)	81.56 (C)	74.51 (C)	77.64 (C)	%
FPM	PID	40.79	40.32	40.32	40.32	%
FTP	FTP Sensor	0/-4.55 (-0.66)	0/-4.55 (-0.66)	0/-4.55 (-0.66)	0/-4.55 (-0.66)	VOLTS/kPa (PSI)
HTRCM11	HO2S11 Sensor	0	2.53	2.61	2.61	AMPS
HTRCM12	HO2S12 Sensor	0	702	705	705	mA
IAT	IAT Sensor	3.60/13 (55.40)	3.72/10 (50)	3.88/6 (42.80)	3.92/5 (41)	VOLTS/DEG C (DEG F)
INJPWR_M	PID	12.91	14.42	14.47	14.47	VOLTS
KNOCK_1	KS1 Sensor	258	269	334	359	N/A
LOAD	PID	0 (D)	25.09	30.58	58.43	%
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAF	MAF Sensor	0	3.17	7.32	15.60	g/s
MAF_HZ	MAF Sensor	0.66	2.37	3.24	4.38	kHz
MAP	MAP Sensor	4.05/99.97 (14.50)	1.30/31.99 (4.64)	1.14/33.99 (4.93)	2.52/61.98 (8.99)	VOLTS/kPa (PSI)
MAP_GAUGE	MAP Sensor	4.01	277.01	268.98	156.57	in-H ₂ O
MISFIRE	PID	NO	NO	NO	NO	YES/NO
MP_LRN	PID	YES	YES	YES	YES	YES/NO
NUM_MISFIRE	PID	0	0	0	0	COUNT
O2S11_CUR	HO2S11 Sensor	(D)	switching (A)	switching (A)	switching (A)	uA
O2S11_IMP ED	HO2S11 Sensor	5	0.09	0.09	0.09	VOLTS
O2S11_READY	HO2S11 Sensor	NO	YES	YES	YES	YES/NO
O2S11_TR	HO2S11 Sensor	61.20	61.20	60.60	60.60	Kohm
O2S12	HO2S12 Sensor	0.06 (B)	0.82 (B)	0.48 (B)	0.65 (B)	VOLTS
RO2FT1	PID	0	-0.47	2.06	-0.70	%
RPM	CKP Sensor	0	772	1914.50	1798.50	RPM

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
SHRTFT1	PID	(D)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TP1	ETBTPS	4.09/18.03	4.34/12.94	4.14/16.86	3.90/21.56	VOLTS/%
TP2	ETBTPS	1.23/24.70	0.74/14.90	1.03/22.35	1.60/31.76	VOLTS/%
TPMODE	PID	CT	CT	PT	PT	CLOSED/ PART/WIDE OPEN THROTTLE
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
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)	
EGR_STEP	EGR Valve	0	0	12	31	POSITION
EGRMC1F	EGR Actuator	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
EGRMC2F	EGR Actuator	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
EGRMC3F	EGR Actuator	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
EGRMC4F	EGR Actuator	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
EGRPCT	PID	0	0	22.74	59.60	%
ETC [TAC_PCT]	PID	9.41	2.74	8.23	11.37	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	10.73	12.80	77.58	%
EVAPCV	CANV Valve	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPSOAK	PID	NO	NO	NO	NO	YES/NO
FP	Fuel Pump Control Module	OFF	ON	ON	ON	ON/OFF
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN/ CLOSED LOOP
HTR11	HO2S11 Sensor	OFF	ON	ON	ON	ON/OFF
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	ON/OFF
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	20	31.37	24.70	25.09	%

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
O2_DS_DISBL	PID	YES	NO	NO	NO	YES/NO
SPARKADV	PID	29.50	12.75	45.50	38	DEG
TQ_CNTRL	PID	ANTI-THEFT	IDLE SPEED CONTROL	NONE REQUESTED	NONE REQUESTED	STATUS
VCTADV	PID	0	-0.37	-0.18	0	DEG
VCTADVERR	PID	0	0.37	0.18	0.12	DEG
VCTDC	VCT1 Solenoid	0	0	0	0	%

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