

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
NUM_MISFIRE	PID	0	2	5	5	COUNT
O2S11_CUR	HO2S11 Sensor	(I)	switching	switching	switching	mA/uA
O2S11_IMPED	HO2S11 Sensor	4.93	1	1	1	VOLTS
O2S11_READY	HO2S11 Sensor	NO	YES	YES	YES	YES/NO
O2S11_TR	HO2S11 Sensor	0	0	0	0	Kohm
O2S12	HO2S12 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
OCTADJ_R_LRND	PID	-36.93	-36.93	-36.93	-36.29	%
RPM	CKP Sensor	0	1158	1693.50	2092	RPM
SYNC	PID	NO	YES	YES	YES	YES/NO
TCBP	TCBP Sensor	99.48 (14.43)	101.41 (14.71)	100.44 (14.57)	110.09 (15.97)	kPa (PSI)
TCBP_V	TCBP Sensor	1.60	1.63	1.62	1.76	VOLTS
TP1	ETBTPS	3.85/22.74	4.39/12.15	4.24/14.90	3.71/25.49	VOLTS/%
TP1_LRN_TRIM	ETBTPS	15.37	15.37	15.37	15.37	DEG
TP2	ETBTPS	1.13/22.74	0.60/11.76	0.74/14.51	1.28/25.49	VOLTS/%
TP2_LRN_TRIM	ETBTPS	15.12	15.12	15.12	15.12	DEG
TP_MAXDIFF	PID	-0.06	0	0	-0.12	%
TURBO_BP1_STAT	TCBY Valve	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
VCTSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
VCT_EXH_ACT1	PID	0	-0.31	34.87	34.93	DEG
VCT_EXH_DIF1	PID	0	0.31	0.06	0	DEG
VCT_INT_ACT1	PID	0	0.18	-17.31	-15.68	DEG
VCT_INT_DIF1	PID	0	-0.25	0.31	0.18	DEG
VSS	PID	0 (0)	0 (0)	48 km/h (30 MPH)	89 km/h (55 MPH)	km/h / MPH

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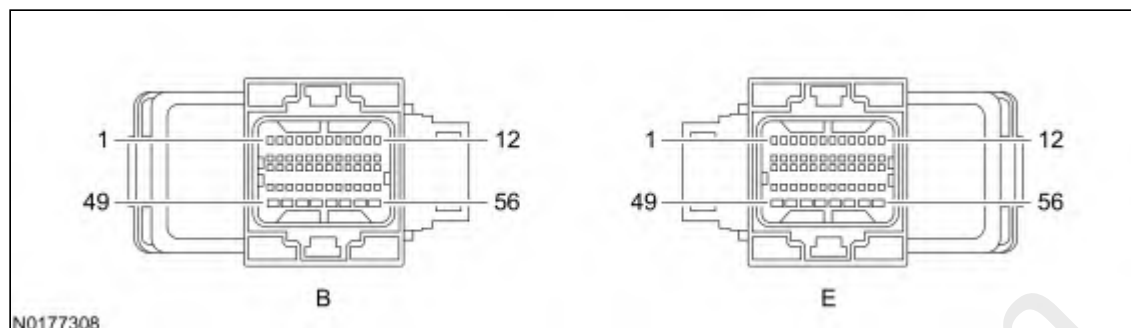
Outputs	Component/PID Only	Measured/Requested				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
CACC_FAN	Charge Air Cooler Cooling Fan	0	0	0	0	%
CACC_FANSTAT	Charge Air Cooler Cooling Fan	NO FAULT	NO FAULT	NO FAULT	NO FAULT	STATUS
CYL_1-3_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +1	NUMERIC VALUE
ETC [TAC_PCT]	PID	10.98	0	1.56	17.25	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	96.92	92.95	100	%
EVAPCV	CANV Valve	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPSOAK	PID	NO	NO	NO	NO	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
FANDC	PID	7.84	7.84	7.84	7.84	%
FAN_DSD	PID	7.99	7.99	7.99	7.99	%
FP	Fuel Pump Control Module	75/OFF	25.12/ON	26.11/ON	25.67/ON	%/ON/OFF
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
F_VCV	Fuel Injection Pump	0	7.03	11.12	2.46	%
HTR11	HO2S11 Sensor	OFF	ON	ON	ON	VOLTS/ON/ OFF
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	VOLTS/ON/ OFF
INJ1-3_OFF	Injector 1-3	----	----	----	----	----/ DISABLE
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	0	33.72	27.05	25.88	%
O2_DS_DISBL	PID	YES	NO	NO	NO	YES/NO
PATSENABL	PID	DISABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
RO2FT1	PID	0	-1.73	-1.72	1.51	%
SHRTFT1	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SPARKADV	PID	10	-14.75	30	8.25	DEG
TQ_CNTRL	PID	ANTI THEFT	IDLE SPEED CONTROL	NONE REQUESTED	TORQUE BASED DECEL	STATUS
TURBO_BPASS	TCBY Valve	OFF	OFF	OFF	OFF	ON/OFF

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		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
TURBO_WGATE	Turbocharger Wastegate Regulating Valve Solenoid	16.95	57.34	22.01	14.99	%
VCT_EXH_DC1	VCT12 Solenoid	0	0	42.25	45.14	%
VCT_INT_DC1	VCT11 Solenoid	0	0	37.63	39.83	%

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

1.2L KA

112 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					DEG C (DEG F)
AAT_V	AAT Sensor					VOLTS
AC_REQ	PID					YES/NO
APP	APP Sensor					%
APP1	APP Sensor					VOLTS
APP1 (APP_D)	APP Sensor					%
APP2	APP Sensor					VOLTS
APP2 (APP_E)	APP Sensor					%
APP_MAXDIFF	PID					DEG
APP_MODE	PID					NO PEDAL/ PART PEDAL
B+	PID					VOLTS
BARO	PID					kPa (PSI)/ Hz
BARO_V	PID					VOLTS
BOO1	BPP Switch					ON/OFF
BOO2	BPP Switch					ON/OFF
BRKOV RD_POSS	PID					NUMERIC VALUE

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		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
BRKOVRACTION	PID					NUMERIC VALUE
CLRDIST	PID					KM (MILES)
CPP_BOT (MT)	CPP Switch					YES/NO
DECHOKE	PID					YES/NO
DIST_BRKOVRACTION	PID					KM (MILES)
DTCCNT	PID					Numeric Value
ECT	ECT Sensor					VOLTS/DEG C (DEG F)
EQ_RAT11	PID					RATIO
ETC_ACT	PID					DEG
ETC_TRIM	PID					DEG
FLI	Fuel Level Sensor					%
FPM	PID					%
HTRCM12	HO2S12 Sensor					mA
IAT	IAT Sensor					VOLTS/DEG C (DEG F)
KEYST	Ignition Switch					ON/OFF
KNK_CNTR_CYL1	PID					COUNT
KNK_CNTR_CYL2	PID					COUNT
KNK_CNTR_CYL3	PID					COUNT
KNOCK_1	KS1 Sensor					COUNT
KNOCK_2	KS2 Sensor					COUNT
LOAD	PID					%
LONGFT1	PID					%
MAP	MAP Sensor					kPa (PSI)
MAP_GAUGE	MAP Sensor					kPa (PSI)
MAP_V	MAP Sensor					VOLTS
MIL_DIS	PID					KM (MILES)
MISFIRE	PID					YES/NO
MP_LRN	PID					YES/NO
NUM_MISFIRE	PID					COUNT
O2S11_CUR	HO2S11 Sensor					mA/uA
O2S11_IMP	HO2S11 Sensor					VOLTS