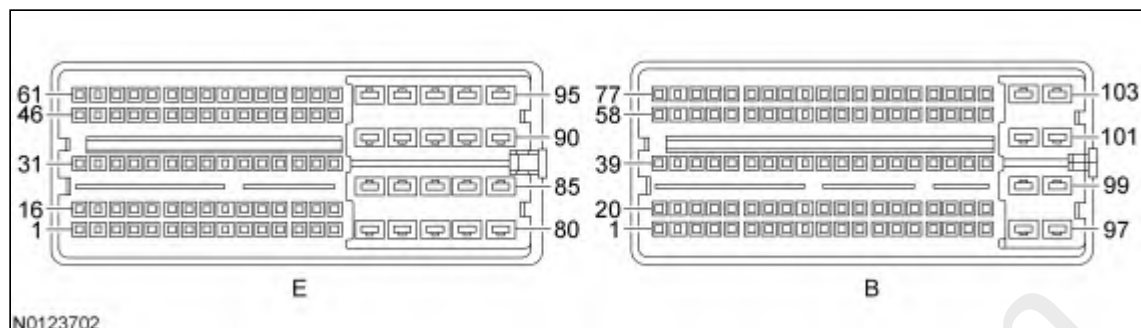


2.0L Corsair**198 Pin PCM****Typical Diagnostic Reference Values**

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	1 (33.8)	1 (33.8)	1 (33.8)	1 (33.8)	DEG C (DEG F)
AAT_V	AAT Sensor	3.78	3.78	3.85	3.88	VOLTS
AC_REQUEST	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	10	14	%
APP1	APP Sensor	0.81	0.81	1.12	1.25	VOLTS
APP1_ [APP_D]	APP Sensor	16	16	22	25	%
APP2	APP Sensor	0.41	0.41	0.57	0.63	VOLTS
APP2_ [APP_E]	APP Sensor	8	8	11	13	%
APP_ MAXDIFF	PID	0.00	0.00	0.00	0.00	DEG
BARO	PID	99 (14.36)	99 (14.36)	99 (14.36)	99 (14.36)	kPa (PSI)/
BARO_V	PID	3.87	3.87	3.87	3.86	VOLTS
BATT_V_INF	PID	12.65	14.96	14.96	14.96	VOLTS
BOO1	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BOO2	BPP Switch	FALSE	FALSE	FALSE	FALSE	TRUE/FALSE
BRKOV RD_ POSS	PID	9	9	9	9	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)	
CAC_T	CACT Sensor	0 (0)	0 (0)	0 (0)	0 (0)	DEG C (DEG F)
CAM_SYNC	PID	NO	YES	NO	NO	YES/NO
CATTEMP11	CAT11 Sensor	536 (996.8)	548 (1,018.4)	579 (1,074.2)	673 (1,243.4)	DEG C (DEG F)
CHT	CHT Sensor	82 (179.6)	85 (185)	85 (185)	87 (188.6)	DEG C (DEG F)
CHT2	CHT2 Sensor	100 (212)	97 (206.6)	101 (213.8)	106 (222.8)	DEG C (DEG F)
CHT2_V	CHT2 Sensor	3.41	3.50	3.36	3.19	VOLTS
CLRDIST	PID	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	2.0 (1.24)	KM (MILES)
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_BRKOVDR	PID	9.5 (5.90)	9.5 (5.90)	10.0 (6.21)	11.5 (7.15)	KM (MILES)
DPFE_PRES	Differential Pressure Feedback EGR Sensor	-0.14 (-0.02)	-0.39 (-0.06)	-0.14 (-0.02)	3.88 (0.56)	kPa (PSI)
DPFE_V	Differential Pressure Feedback EGR Sensor	1.49	1.48	1.49	1.61	VOLTS
DTCCNT	PID	0	0	0	0	NUMERIC VALUE
DTCCNT_OBD	PID	0	0	0	0	NUMERIC VALUE
EBP	EBP Sensor	100.14 (14.52)	99.42 (14.42)	102.33 (14.84)	101.69 (14.75)	kPa (psi)
EBP_V	EBP Sensor	0.98	1.06	0.95	0.93	VOLTS
ECT	ECT Sensor	71 (159.8)	70 (158)	79 (174.2)	86 (186.8)	DEG C (DEG F)
ECT1_V	ECT Sensor	0.98	1.00	0.78	0.64	VOLTS
EGRT_B	EGRT12 Sensor	-19 (-2.2)	-19 (-2.2)	-13 (8.6)	-8 (17.6)	DEG C (DEG F)
EGRT_B_V	EGRT12 Sensor	0.91	0.92	0.44	0.28	VOLTS
EGRVP	EGR Valve	0.91	0.91	1.13	1.20	VOLTS
EGR_A_ACT	EGR Valve	0	0	7	10	%
EQ_RAT11	PID	0.00	1.02	1.03	1.08	RATIO
ETC_ACT	PID	12.49	3.47	9.79	11.37	DEG
ETC_TRIM	PID	0.14	0.15	0.16	0.16	DEG
FLI	Fuel Level Sensor	44 (H)	45 (H)	46 (H)	44 (H)	%
FLP	Fuel Pressure Sensor	612 (88.76)	547 (79.34)	546 (79.19)	548 (79.48)	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	3.57	3.57	3.58	VOLTS
FPM	PID	40	40	40	40	%

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
FRP	FRP Sensor	7.11 (1,031.22)	4.93 (715.01)	7.50 (1,087.78)	7.88 (1,142.90)	MPa (PSI)
FRP_V	FRP Sensor	1.31	1.06	1.37	1.40	VOLTS
FRT_A_RAW	FRPT Sensor	16 (60.8)	16 (60.8)	16 (60.8)	16 (60.8)	DEG C (DEG F)
FRT_V	FRT Sensor	0.00	0.00	0.00	0.00	VOLTS
FTP_V	FTP Sensor	2.63	2.47	2.39	2.45	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	37 (98.6)	26 (78.8)	24 (75.2)	20 (68)	DEG C (DEG F)
IAT11	IAT Sensor	37 (98.6)	26 (78.8)	23 (73.4)	20 (68)	DEG C (DEG F)
IAT12	IAT2 Sensor	33 (91.4)	30 (86)	26 (78.8)	14 (57.2)	DEG C (DEG F)
IAT1_V	IAT Sensor	1.89	2.39	2.50	2.68	VOLTS
IAT2	IAT2 Sensor	33 (91.4)	30 (86)	26 (78.8)	24 (75.2)	DEG C (DEG F)
IAT2_V	IAT2 Sensor	2.06	2.17	2.39	2.45	VOLTS
IGN_SW	Ignition Switch	ON	ON	ON	ON	ON/OFF
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	81	69	89	COUNT
KNOCK_2	KS12 Sensor	999	85	82	100	COUNT
LOAD	PID	0.00 (I)	41	40	29	%
LOAD_ABSL	PID	0.00 (I)	23	36	43	%
LONGFT1	PID	(I)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAP	MAP Sensor	99.00 ()	38.50 ()	68.00 ()	71.00 ()	kPa (PSI)
MAP_V	MAP Sensor	1.52	0.59	1.04	1.14	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

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
O2S11_ IMPED	HO2S11 Sensor	5.00	0.17	0.17	0.17	VOLTS
O2S11_ READY	HO2S11 Sensor	NO	YES	YES	YES	YES/NO
O2S12	HO2S12 Sensor	(I)	switching (D)	switching (D)	switching (D)	VOLTS
O2S21_ READY	HO2S21 Sensor	NO	YES	YES	YES	YES/NO
OCTADJ_R_ LRND	PID	0	0	0	0	%
OSS_RAW	OSS Sensor	0	0	1327	2447	RPM
RO2FT1	PID	0.00	0.00	-0.01	0.03	%
RPM	CKP Sensor	0	751	1954	1839	RPM
SHRTFT1	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TCBP	TCBP Sensor	96.7 ()	96.9 ()	97.8 ()	113.6 ()	kPa (PSI)
TCBP_V	TCBP Sensor	1.42	1.42	1.43	1.65	VOLTS
TP1_LRN_ TRIM	ETBTPS	6.13	6.13	6.13	6.13	DEG
TP1_PER	ETBTPS	18	9	14	27	%
TP2_LRN_ TRIM	ETBTPS	0.00	0.00	0.00	0.00	DEG
TP_REL	PID	12	3	7	20	VOLTS
TURBO_ BP1_STAT	TCBY Valve	NO FAULT	NO FAULT	NO FAULT	NO FAULT	FAULT/ NO FAULT
VCTSYS	PID	DISABLED	ENABLED	ENABLED	ENABLED	OPEN LOOP/ CLOSED LOOP ENABLED/ DISABLED
VCT_EXH_ ACT1	PID	0.00	-0.25	30.31	19.94	DEG
VCT_EXH_ DIF1	PID	0.00	0.25	3.75	0.00	DEG
VCT_INT_ ACT1	PID	0.00	0.25	-11.19	-34.38	DEG
VCT_INT_ DIF1	PID	0.00	-0.25	3.44	-0.38	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	32.76	0.00	43.20	95.82	%

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
WGATE_A_V	Wastegate Position Sensor	2.45	1.58	2.70	4.09	VOLTS

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	26	26	26	26	NUMERIC VALUE
BOOSTP_EVAL	PID	YES	YES	YES	YES	YES/NO
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	49	49	%
EGR_A_CMD	PID	0	0	7	10	%
ETC_[TAC_PCT]	PID	9	4	11	13	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	6	50	13	%
EVAPCV	CANV Valve	0	0	0	0	%/ON-OFF
EVAPPCT	PID	0	6	50	13	%
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	8	%
FP	Fuel Pump Control Module	75	26	26	26	%/ON/OFF
FRP_DSD	PID	0.43 (62.37)	4.96 (719.39)	7.69 (1,115.34)	7.90 (1,145.80)	MPa (PSI)
FUELSYS_CL	PID	NO	YES			YES/NO
FUELSYS_OL	PID	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	OFF	OFF	OFF	ON/OFF
HTR22	HO2S22 Sensor	OFF	OFF	OFF	OFF	ON/OFF

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
INJECTOR_OFF	Injector 1–4	----	----	----	----	----/ DISABLE
MIL_OBD	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	20	24	25	24	%
O2_DS_ DISBL	PID	TRUE	FALSE	FALSE	FALSE	TRUE/FALSE
PATSENABL	PID	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED/ DISABLED
RPM_DSD	PID	750	750	750	750	RPM
SPARKADV	PID	10.00	9.00	19.00	13.50	DEG
TURBO_ BPASS	TCBY Valve	0	0	0	0	ON/OFF %
TURBO_ WGATE	Turbocharger Wastegate Control	0	0	0	0	%
VCT_EXH_ DC1	VCT12 Solenoid	0	0	41	35	%
VCT_INT_ DC1	VCT11 Solenoid	0	0	32	39	%

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