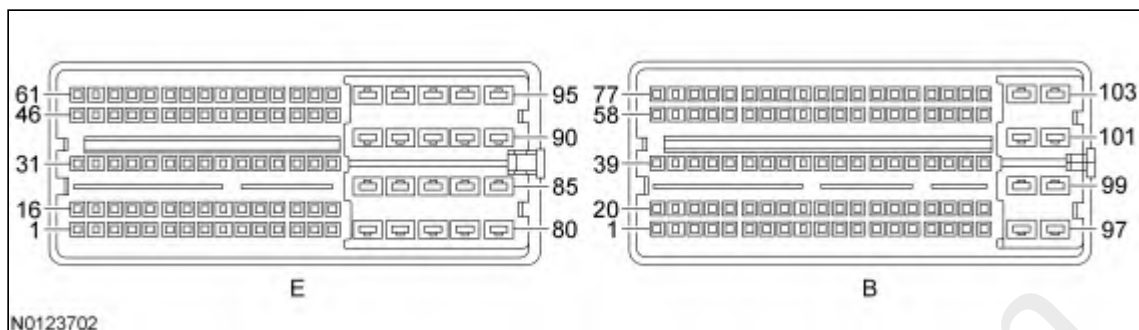


2.5L Transit Connect

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	-3 (26.60)	-3 (26.60)	-1 (30.20)	-3 (26.60)	DEG C (DEG F)
AAT_V	AAT Sensor	4.08	4.08	4.07	4.08	VOLTS
AC_REQ	PID	NO	NO	NO	NO	YES/NO
APP	APP Sensor	0	0	0.95	29.50	%
APP_MAXDIFF	PID	0	0	-0.06	-0.06	DEG
APP_MODE	PID	NO PEDAL	NO PEDAL	PART PEDAL	PART PEDAL	NO PEDAL/ PART PEDAL
APP1	APP Sensor	0.78	0.78	0.95	1.71	VOLTS
APP1 (APP_D)	APP Sensor	15.29	15.29	19.21	34.11	%
APP2	APP Sensor	0.39	0.39	0.48	0.86	VOLTS
APP2 (APP_E)	APP Sensor	7.45	7.84	9.80	17.25	%
B+	PID	12.82	14.22	14.29	14.22	VOLTS
BARO	PID	90 (13.05)/ 156.11	90 (13.05)/ 156.11	90 (13.05)/ 156.11	90 (13.05)/ 156.11	kPa (PSI)/Hz
BOO1	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BOO2	BPP Switch	OFF	OFF	OFF	OFF	ON/OFF
BRKOVRACTION	PID	4	4	4	4	NUMERIC VALUE
BRKOVRODPOSS	PID	49	49	50	50	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)	
CHT	CHT Sensor	3.55/95 (203)	3.69/91 (195.80)	3.66/92 (197.60)	3.63/93 (199.40)	VOLTS/DEG C (DEG F)
DECHOKE	PID	YES	NO	NO	NO	YES/NO
DIST_ BRKOVDR	PID	13.49 (8.38)	13.49 (8.38)	13.49 (8.38)	15.49 (9.63)	KM (MILES)
EQ_RAT11	PID	0/0:1	1.04/14.67:1	0.99/14.52:1	1.02/14.89:1	RATIO
ETC_ACT	PID	7.73	2.15	8.81	21.70	DEG
ETC_TRIM	PID	0	0	0	0	DEG
FLI	Fuel Level Sensor	34.11 (H)	34.11 (H)	27.45 (H)	29.02 (H)	%
FPM	Fuel Pump Control Module	100	39.99	39.98	39.99	%
FTP	FTP Sensor	2.63/29 (0)	2.61/-14 (0)	2.24/-667 (-0.10)	2.28/-598 (-0.09)	VOLTS/Pa (PSI)
FTP_H2O	FTP Sensor	0.10	-0.07	-2.69	-2.42	in-H ₂ O
HTRCM11	HO2S11 Sensor	0	2.55	2.55	2.55	A
HTRCM12	HO2S12 Sensor	0	679	709	709	mA
IAT	IAT Sensor	2.93/25 (77)	3/24 (75.20)	4.02/2 (35.60)	4.09/1 (33.80)	VOLTS/DEG C (DEG F)
INJPWR_M	PID	3.17	14.30	14.30	14.28	VOLTS
KEYST	Ignition Switch	ON	ON	ON	ON	ON/OFF
KNOCK_1	KS1 Sensor	273	268	864	351	COUNT
LOAD	PID	0.00 (l)	25.09	41.17	34.51	%
LONGFT1	PID	(l)	-20 TO +20	-20 TO +20	-20 TO +20	%
MAF	MAF Sensor	0	2.83	13.48	12.22	g/s
MAF_HZ	MAF Sensor	727.25Hz	1.96	3.69	3.69	kHz
MAP	MAP Sensor	99 (14.36)	32 (4.64)	54 (7.83)	46 (6.67)	kPa (PSI)
MAP_GAUGE	MAP Sensor	2 (0.29)	69 (10)	60 (8.70)	55 (7.98)	kPa (PSI)
MAP_V	MAP Sensor	4.03	1.31	2.20	1.87	VOLTS
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	(l)	switching	switching	switching	mA/uA
O2S11_ IMPED	HO2S11 Sensor	5	0.09	0.09	0.09	VOLTS
O2S11_ READY	HO2S11 Sensor	NO	YES	YES	YES	YES/NO
O2S11_TR	HO2S11 Sensor	0	0	0	0	Kohm
O2S12	HO2S12 Sensor	(l)	switching (D)	switching (D)	switching (D)	VOLTS
OCTADJ_R_ LRND	PID	15.88	15.88	22.40	22.40	%

Inputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
RO2FT1	PID	0	1.03	1.50	-0.67	%
RPM	CKP Sensor	0	700.25	1478	1721	RPM
SHRTFT1	PID	(I)	-10 TO +10	-10 TO +10	-10 TO +10	%
SYNC	PID	NO	YES	YES	YES	YES/NO
TP1	ETBTPS	4.10/17.64	4.32/13.33	4.07/18.43	3.40/31.76	VOLTS/%
TP2	ETBTPS	1.22/24.31	0.78/15.29	1.05/20.78	1.08/21.56	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)	
CYL_1-4_ACCL	PID	(I)	-1 TO +1	-1 TO +1	-1 TO +1	NUMERIC VALUE
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	45.88	0	%
EGR_STEP	EGR Valve	0	0	24	0	POSITION
ETC [TAC_PCT]	PID	9.41	2.35	10.58	26.27	%
EVAP020C	PID	NO	NO	NO	NO	YES/NO
EVAPCP	EVAPCP Valve	0	10.05	95.86	43.25	%
EVAPCV	CANV Valve	0/OFF	0/OFF	0/OFF	0/OFF	%/ON-OFF
EVAPSOAK	PID	YES	YES	YES	YES	YES/NO
EVAPSTA	PID	NOT RUNNING	NOT RUNNING	NOT RUNNING	NOT RUNNING	STATUS
FANDC	PID	7.84	7.84	7.84	7.84	%
FP	Fuel Pump Control Module	75/OFF	39.21/ON	39.20/ON	39.28/ON	%/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)	
FUELSYS	PID	OPEN LOOP	CLOSED LOOP	CLOSED LOOP	CLOSED LOOP	OPEN LOOP/ CLOSED LOOP
HTR11	HO2S11 Sensor	OFF	ON	ON	ON	VOLTS/ON/ OFF
HTR12	HO2S12 Sensor	OFF	ON	ON	ON	VOLTS/ON/ OFF
INJ1-4_OFF	Injector 1-4	----	----	----	----	----/ DISABLE
MIL	PID	OFF	OFF	OFF	OFF	ON/OFF
O2S11_HTR	HO2S11 Sensor	20	30.19	27.05	22.35	%
O2_DS_ DISBL	PID	YES	YES	NO	NO	YES/NO
SPARKADV	PID	29.75	10.50	46.50	24.75	DEG
TQ_CNTRL	PID	ANTI THEFT	IDLE SPEED CONTROL	NONE REQUESTED	CRUISE CONTROL	STATUS
VCTADV	PID	0	-0.12	0.12	0.18	DEG
VCTADVERR	PID	0	0.31	-0.31	0	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