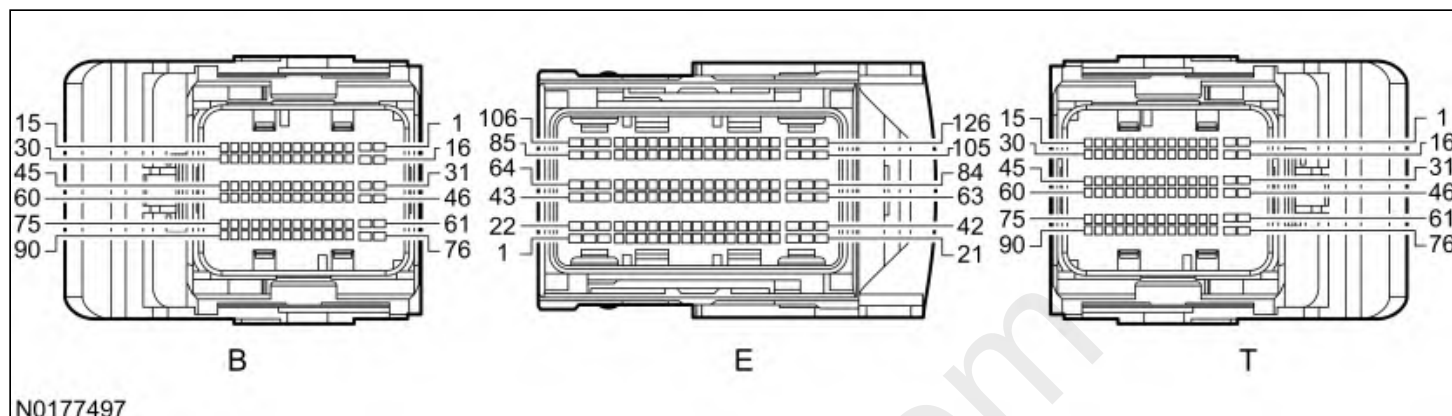


3.5L TIVCT Transit

306 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
B+	PID					VOLTS
BARO	PID					kPa (PSI)/ Hz
BOO1	BPP Switch					ON/OFF
BOO2	BPP Switch					ON/OFF
BRKOV RD_POSS	PID					NUMERIC VALUE
BRKOV R_ACTION	PID					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					DEG C (DEG F)
CHT_V	CHT Sensor					VOLTS
CLRDIST	PID					KM (MILES)
DECHOKE	PID					YES/NO
DIST_ BRKOVDR	PID					KM (MILES)
EQ_RAT11	PID					RATIO
EQ_RAT21	PID					RATIO
ETC_ACT	PID					DEG
ETC_TRIM	PID					DEG
FLI	Fuel Level Sensor					%
FLP	Fuel Pressure Sensor					kPa (PSI)
FLP_V	Fuel Pressure Sensor					VOLTS
FPM	PID					%
FRP	FRP Sensor					VOLTS/kPa (PSI)
FRT	FRPT Sensor					DEG C (DEG F)
FRT_V	FRT Sensor					VOLTS
FTP	FTP Sensor					VOLTS/kPa (PSI)
FTP_H2O	FTP Sensor					NUMERIC VALUE
HTRCM12	HO2S12 Sensor					mA
HTRCM22	HO2S22 Sensor					mA
IAT	IAT Sensor					VOLTS/DEG C (DEG F)
IAT2	IAT2 Sensor					DEG C (DEG F)
KEYST	Ignition Switch					ON/OFF
KNOCK_1	KS1 Sensor					COUNT
KNOCK_2	KS2 Sensor					COUNT
LOAD	PID					%
LONGFT1	PID					%
LONGFT2	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

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					VOLTS
O2S11_READY	HO2S11 Sensor					YES/NO
O2S12	HO2S12 Sensor					VOLTS
O2S21_CUR	HO2S21 Sensor					mA/uA
O2S21_IMPED	HO2S21 Sensor					VOLTS
O2S21_READY	HO2S21 Sensor					YES/NO
O2S22	HO2S22 Sensor					VOLTS
OCTADJ_R_LRND	PID					%
OSS_SRC	OSS Sensor					RPM
RO2FT1	PID					%
RO2FT2	PID					%
RPM	CKP Sensor					RPM
SHRTFT1	PID					%
SHRTFT2	PID					%
SYNC	PID					YES/NO
TP1	ETBTPS					%
TQ_CNTRL	PID					STATUS
VCTSYS	PID					OPEN LOOP/ CLOSED LOOP
VCT_EXH_ACT1	PID					DEG
VCT_EXH_ACT2	PID					DEG
VCT_EXH_DIF1	PID					DEG
VCT_EXH_DIF2	PID					DEG
VCT_INT_ACT1	PID					DEG
VCT_INT_ACT2	PID					DEG
VCT_INT_DIF1	PID					DEG
VCT_INT_DIF2	PID					DEG
VSS	PID					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					NUMERIC VALUE
AEIS_POSS	PID					NUMERIC VALUE
CYL_1- 6_ACCL	PID					NUMERIC VALUE
DIST_ AEIS	PID					KM (MILES)
EGRVPDES	PID					%
ETC [TAC_PCT]	PID					%
EVAP020C	PID					YES/NO
EVAPCP	EVAPCP Valve					%
EVAPCV	CANV Valve					%/ON-OFF
EVAPPCT	PID					%
EVAPSOAK	PID					YES/NO
EVAPSTA	PID					STATUS
EVBV	EVAP Vapor Blocking Valve					%/OPEN- CLOSED
FP	Fuel Pump Control Module					%/ON/OFF
FRP_DSD	PID					kPa (PSI)
FUELSYS	PID					ENGINE OFF/ CLOSED LOOP
F_VCV	Fuel Injection Pump					%
HFC	PID					ON/OFF
HTR11	HO2S11 Sensor					ON/OFF
HTR12	HO2S12 Sensor					ON/OFF
HTR21	HO2S21 Sensor					ON/OFF
HTR22	HO2S22 Sensor					ON/OFF
INJ1-6_OFF	Injector 1-6					-----/ DISABLE
LFC	PID					ON/OFF
MIL	PID					ON/OFF
O2S11_HTR	HO2S11 Sensor					%
O2S21_HTR	HO2S21 Sensor					%
O2_DS_ DISBL	PID					YES/NO
PATSENABL	PID					ENABLED/ DISABLED

Outputs	Component/PID Only	Measured/PID Values				Units Measured/PID
		KOEO	Hot Idle	48 KM/H (30 MPH)	89 KM/H (55 MPH)	
RPMDSD	PID					RPM
SPARKADV	PID					DEG
VCT_EXH_DC1	VCT12 Solenoid					%
VCT_EXH_DC2	VCT22 Solenoid					%
VCT_INT_DC1	VCT11 Solenoid					%
VCT_INT_DC2	VCT21 Solenoid					%

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					VOLTS
VREF	PID					VOLTS