

Truck in park or neutral at all times during the test
ECT at 190* or close to And EOT at 185* or higher
A/C Off

KOEO = Key On Engine Off
Low Idle = Let truck idle on its own
High Idle = 2,500 rpm

Created by Piolet

3/17/2013

Updated

3/25/2013

Acronym	Description	KOEO		Low Idle		High Idle		Operating Range	Units
ACCS	AC Cycle Switch	OFF		OFF		OFF		ON / OFF	
ACP	AC Pressure Switch	OPEN		OPEN		OPEN		OPEN / CLOSED	
APP	Accelerator Pedal Position	0		0		13		0 - 17.75	PERCENT
APP1	Accelerator Pedal Track 1	4.0		4.0		3.4		0.7 - 4.2	VOLT
APP2	Accelerator Pedal Track 2	1.4		1.4		1.9		1.4 - 4.1	VOLT
APP3	Accelerator Pedal Track 3	0.9		0.9		1.4		0.8 - 3.5	VOLT
APP_MODE	Accelerator Pedal Position	CT		CT		PT		CT, PT, WOT	CT, PT, WOT
AST	Time Since Start	00:00		00:07		01:00			min : sec
B+	Battery Voltage	12.6		13.3		14.0		10.5 - 15.5	VOLT
BARO	Barometric Pressure	96.5 (14)		96.5 (14)		96.5 (14)		50 - 120 (7.3 - 17.4)	kPa (PSI)
BOO	Brake Pedal	OFF		OFF		OFF		ON / OFF	
BPA	Brake Pressure Applied	OFF		OFF		OFF		ON / OFF	
CLRDIST	Distance Since DTCs Cleared	926.1		926.1		926.1			MILES
CLRWRMUP	Number of Warmups Since DTCs Cleared	2		2		2			NUMBER
CMPPM	CMP Status	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
CPP/PNP	Clutch Pedal Position	NEUTRAL		NEUTRAL		NEUTRAL		DRIVE / NEUTRAL	
DECHOKE	Dechoke Mode	No		No		No		YES / NO	
DRIVECNT	Valid Drive Counter	6		7		7		0 - 65535	NUMBER
DTCNT	DTC Count	0		0		0		0 - 255	NUMBER
ECT	Coolant Temperature	88 (190)		88 (190)		88 (190)		-40 - 121 (-40 - 250)	TEMPERATURE °C (°F)
ECT_FM	ECT Fault	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
EGR EVAL	EGR Evaluated	NO		NO		NO		YES / NO	
EGR_DC#	EGR Duty Cycle	0		0 - 15		32		0 - 44	PERCENT
EGR_F	EGR Status	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
EGRVP	EGR Valve Position	0.8		0.8 - 1.0		1.3		0.6 - 3.5	VOLT
EGRVPDES	EGR Desired	0		0		9.72		0 - 14	PERCENT
EOT	Oil Temperature	88 (190)		88 (190)		88 (190)		-40 - 150 (-40 - 302)	TEMPERATURE °C (°F)
EOTFM	EOT Status	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
EP	Exhaust Pressure	103 (15)		110 (16)		110 (16)		55 - 607 (8 - 88)	kPa (PSI)
EP_V	Exhaust Pressure	0.8		1.2		1.3		0.4 - 4.7	VOLT
EP_DSD	Exhaust Pressure Desired	3.26		2.43		2.13			PSI
FANSS	Fan Speed	0		533		488		0 - 4000	RPM
FANSSM	Cooling Fan Driver	LOW		LOW		LOW		LOW / HIGH	
FAN VAR #	Fan Speed Monitor	0		0		0		0 - 100	PERCENT
FAN VAR_F	Fan Speed Monitor	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
FICMSYNC	Synchronization from FICM	NO		YES		YES		YES / NO	
FICM_LPWR	FICM Logic Power (from the FICM relay)	12.0		13.5		13.5		10.5 - 15.5	VOLTS
FICM_MPWR	FICM Main Power (injector power supply from FICM relay)	47		47.5		47.5		40 - 52	VOLTS
FICM_VPWR	FICM Vehicle Power (from the Ignition switch)	12.0		14.0		14.0		10.5 - 15.5	VOLTS
FLI	Fuel Level Indicator	36.1		36.1		34.1		0 - 100	PERCENT
FP# ON/OFF	Fuel Pump	ON / OFF		ON		ON		ON / OFF	
FPM ON/OFF	Fuel Pump Monitor	ON / OFF		ON		ON		ON / OFF	
FUELPW	Fuel Pulse Width	0		990		680		0 - 50000	TIME (μ seconds)
GENB_F	Generator 2 Output Fault	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
GENFIL	Generator Fault Indicator	OFF		OFF		OFF		ON / OFF	
GEN_F	Generator 1 Output Fault	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
GPCTM	Glow Plug Coil On Time	0		0		0		0 - 180	TIME (seconds)
GPL	Glow Plug Indicator	ON / OFF		OFF		OFF		ON / OFF	
GPLTM	Glow Plug Indicator On Time	0		0		0		1 - 10	TIME (seconds)
IAT	Intake Air Temp (MAF Assembly)	98.6		98.6		98.6		-40 - 250	TEMPERATURE (°F)
IAT2	Intake Air Temp (Manifold Air)	113		113		113		-40 - 250	TEMPERATURE (°F)
IATFM	IAT Status	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
ICP	Injection Control Pressure	0.2		1.0		1.8		0.15 - 4.7	VOLT
ICP_DES	ICP Desired	0		625.5		1400 - 1450		0 - 4045	PRESSURE (PSI)
INJ1_OFF #	Injector 1 Disabled	NORMAL		NORMAL		NORMAL		DISABLE / NORMAL	
INJ2_OFF #	Injector 2 Disabled	NORMAL		NORMAL		NORMAL		DISABLE / NORMAL	
INJ3_OFF #	Injector 3 Disabled	NORMAL		NORMAL		NORMAL		DISABLE / NORMAL	
INJ4_OFF #	Injector 4 Disabled	NORMAL		NORMAL		NORMAL		DISABLE / NORMAL	
INJ5_OFF #	Injector 5 Disabled	NORMAL		NORMAL		NORMAL		DISABLE / NORMAL	
INJ6_OFF #	Injector 6 Disabled	NORMAL		NORMAL		NORMAL		DISABLE / NORMAL	
INJ7_OFF #	Injector 7 Disabled	NORMAL		NORMAL		NORMAL		DISABLE / NORMAL	
INJ8_OFF #	Injector 8 Disabled	NORMAL		NORMAL		NORMAL		DISABLE / NORMAL	
INJ_TIM	Injector Timing (TDC)	0		-8.71		+3.5		-50 - 50	ANGLE (Degrees)
IPR #	Injection Pressure Regulator	14.84		24		40.60		0 - 50	PERCENT

Acronym	Description	KOEO		Low Idle		High Idle		Operating Range	Units
LOAD	Calculated Load Value	0		12.5		14		0 - 100	PERCENT
MAF	Mass Air Flow	0		1.44		2.65		0.5 - 4.75	VOLT
MAF_FM	Mass Air Flow Status	NO FAULT		NO FAULT		NO FAULT		NO FAULT / YES FAULT	
MAP	Manifold Absolute Pressure	96 (14)		96 (14)		103 (15)		41 - 324 (6 - 47)	kPa (PSI)
MAP_V	Manifold Absolute Pressure	1.30		1.33		1.4		0.5 - 4.5	VOLT
MFDES	Mass Fuel Desired	0		7.5		10.7		0 - 100	MASS mg/stroke
MGP	Manifold Gauge Pressure	0		.25		.8		-10 - 30	PRESSURE (psi)
MIL	Malfunction Indicator	OFF		OFF		OFF		ON / OFF	
MIL_DIS	Distance Since MIL Activated	926.1		926.1		926.1			MILES
MISF_EVAL	Misfire Monitor	NO		YES		YES		YES / NO	
MP_LRN	Learned Misfire Correction	YES		YES		YES		YES / NO	
NM	Number of Misfires	0		0		0		0 - 65535	NUMBER
PATSENABL	Passive Anti-Theft	ENABLED		ENABLED		ENABLED		ENABLED / DISABLED	
PBA	Park Brake Applied	OFF		OFF		OFF		ON / OFF	
PNP	Park/Neutral Position Switch	NEUTRAL		NEUTRAL		NEUTRAL		PARK / NEUTRAL	
RPM	Revolutions Per Minute	0		628		2500		0 - 4096	RPM
RPMSD	Desired Idle RPM	0		625		625		625	RPM
SCCS	Speed Control Switches	NONE		NONE		NONE		F / ON / RESUME / CANCEL / NONE / SET / COAST / NOT AVAILABLE	
STRT_RLY	Starter Relay	DISABLED		DISABLED		DISABLED		ENABLED / DISABLED	
SYNC	CMP and CKP Synchronized	NO		YES		YES		YES / NO	
TORQUE	Net Engine Torque	0		9 - 20		50		400	Nm
TRIP	OBD Trip Completed	NO		NO		YES		YES / NO	
TRIP_CNT	Trip Count	0		0		0		0 - 255	
VFDES	Volume Fuel Desired	0		9		14		0 - 250	VOLUME mm^3
VGTD_C #	Turbo Duty Cycle	0		73		43		0 - 100	PERCENT
VGT_F	Turbo Fault	NO		NO		NO		YES / NO	
VREF	Reference Voltage	4.9		4.9		4.9		4.5 - 5.5	VOLTS
VSS	Vehicle Speed	0		0		0		0 - 120	SPEED (MPH)
WAC	WOT A/C Cutoff	OFF		OFF		OFF		ON / OFF	
WFS	Water in Fuel	NO		NO		NO		YES / NO	