

# 1986/87 Buick Grand National/Turbo Regal EPROM Data Table Chart

\*\*\*STOCK PROM\*\*\*

Produced by Dave Huinker

Loc.	Hex	Dec.	Data	Data Description			
000	D5			First Byte of Checksum		KKSUM	1
001	3E	62	62	Second Byte of Checksum		KKSUM	
002	0	0	0				
003	0	0	0	Load selector (not used)		F1B	
004	0	0	0	rpm min. (ntrpm)			
005	20	32	32	q min. (load)			
006	0F	15	15	r num. (table size)	LV8		
007	41	65	22.9	400 RPM	32	F1	
008	41	65	22.9	400 RPM	40	F1	
009	41	65	22.9	400 RPM	64	F1	
00A	41	65	22.9	400 RPM	80	F1	
00B	41	65	22.9	400 RPM	96	F1	
00C	41	65	22.9	400 RPM	112	F1	
00D	41	65	22.9	400 RPM	128	F1	
00E	44	68	23.9	400 RPM	144	F1	
00F	44	68	23.9	400 RPM	160	F1	
010	44	68	23.9	400 RPM	176	F1	2
011	44	68	23.9	400 RPM	192	F1	
012	44	68	23.9	400 RPM	208	F1	
013	44	68	23.9	400 RPM	224	F1	
014	44	68	23.9	400 RPM	240	F1	
015	44	68	23.9	400 RPM	256	F1	
016	44	68	23.9	600 RPM	32	F1	
017	44	68	23.9	600 RPM	40	F1	
018	44	68	23.9	600 RPM	64	F1	
019	4A	74	26.0	600 RPM	80	F1	
01A	4A	74	26.0	600 RPM	96	F1	
01B	4A	74	26.0	600 RPM	112	F1	
01C	47	71	25.0	600 RPM	128	F1	
01D	47	71	25.0	600 RPM	144	F1	
01E	47	71	25.0	600 RPM	160	F1	
01F	41	65	22.9	600 RPM	176	F1	
020	41	65	22.9	600 RPM	192	F1	3
021	41	65	22.9	600 RPM	208	F1	
022	41	65	22.9	600 RPM	224	F1	
023	41	65	22.9	600 RPM	240	F1	
024	41	65	22.9	600 RPM	256	F1	
025	44	68	23.9	800 RPM	32	F1	
026	44	68	23.9	800 RPM	40	F1	
027	44	68	23.9	800 RPM	64	F1	
028	4A	74	26.0	800 RPM	80	F1	
029	4D	77	27.1	800 RPM	96	F1	
02A	4D	77	27.1	800 RPM	112	F1	
02B	47	71	25.0	800 RPM	128	F1	
02C	47	71	25.0	800 RPM	144	F1	
02D	47	71	25.0	800 RPM	160	F1	
02E	41	65	22.9	800 RPM	176	F1	
02F	41	65	22.9	800 RPM	192	F1	
030	41	65	22.9	800 RPM	208	F1	4
031	41	65	22.9	800 RPM	224	F1	
032	41	65	22.9	800 RPM	240	F1	
033	41	65	22.9	800 RPM	256	F1	
034	50	80	28.1	1000 RPM	32	F1	
035	55	85	29.9	1000 RPM	40	F1	
036	55	85	29.9	1000 RPM	64	F1	
037	55	85	29.9	1000 RPM	80	F1	
038	50	80	28.1	1000 RPM	96	F1	
039	4A	74	26.0	1000 RPM	112	F1	
03A	44	68	23.9	1000 RPM	128	F1	
03B	41	65	22.9	1000 RPM	144	F1	
03C	41	65	22.9	1000 RPM	160	F1	
03D	3C	60	21.1	1000 RPM	176	F1	
03E	36	54	19.0	1000 RPM	192	F1	
03F	36	54	19.0	1000 RPM	208	F1	
040	36	54	19.0	1000 RPM	224	F1	5
041	36	54	19.0	1000 RPM	240	F1	
042	36	54	19.0	1000 RPM	256	F1	
043	55	85	29.9	1200 RPM	32	F1	
044	55	85	29.9	1200 RPM	40	F1	
045	55	85	29.9	1200 RPM	64	F1	
046	5B	91	32.0	1200 RPM	80	F1	
047	55	85	29.9	1200 RPM	96	F1	
048	4A	74	26.0	1200 RPM	112	F1	

049	3F	63	22.1	1200 RPM	128	F1	
04A	39	57	20.0	1200 RPM	144	F1	
04B	39	57	20.0	1200 RPM	160	F1	
04C	39	57	20.0	1200 RPM	176	F1	
04D	33	51	17.9	1200 RPM	192	F1	
04E	33	51	17.9	1200 RPM	208	F1	
04F	33	51	17.9	1200 RPM	224	F1	
050	33	51	17.9	1200 RPM	240	F1	6
051	33	51	17.9	1200 RPM	256	F1	
052	66	102	35.9	1400 RPM	32	F1	
053	7D	125	43.9	1400 RPM	40	F1	
054	6C	108	38.0	1400 RPM	64	F1	
055	6C	108	38.0	1400 RPM	80	F1	
056	61	97	34.1	1400 RPM	96	F1	
057	50	80	28.1	1400 RPM	112	F1	
058	3F	63	22.1	1400 RPM	128	F1	
059	39	57	20.0	1400 RPM	144	F1	
05A	39	57	20.0	1400 RPM	160	F1	
05B	39	57	20.0	1400 RPM	176	F1	
05C	33	51	17.9	1400 RPM	192	F1	
05D	33	51	17.9	1400 RPM	208	F1	
05E	33	51	17.9	1400 RPM	224	F1	
05F	33	51	17.9	1400 RPM	240	F1	
060	33	51	17.9	1400 RPM	256	F1	7
061	6C	108	38.0	1600 RPM	32	F1	
062	83	131	46.1	1600 RPM	40	F1	
063	7D	125	43.9	1600 RPM	64	F1	
064	6C	108	38.0	1600 RPM	80	F1	
065	61	97	34.1	1600 RPM	96	F1	
066	5B	91	32.0	1600 RPM	112	F1	
067	44	68	23.9	1600 RPM	128	F1	
068	3F	63	22.1	1600 RPM	144	F1	
069	3F	63	22.1	1600 RPM	160	F1	
06A	39	57	20.0	1600 RPM	176	F1	
06B	39	57	20.0	1600 RPM	192	F1	
06C	39	57	20.0	1600 RPM	208	F1	
06D	39	57	20.0	1600 RPM	224	F1	
06E	39	57	20.0	1600 RPM	240	F1	
06F	39	57	20.0	1600 RPM	256	F1	
070	6C	108	38.0	1800 RPM	32	F1	8
071	77	119	41.8	1800 RPM	40	F1	
072	77	119	41.8	1800 RPM	64	F1	
073	77	119	41.8	1800 RPM	80	F1	
074	72	114	40.1	1800 RPM	96	F1	
075	66	102	35.9	1800 RPM	112	F1	
076	50	80	28.1	1800 RPM	128	F1	
077	44	68	23.9	1800 RPM	144	F1	
078	3F	63	22.1	1800 RPM	160	F1	
079	39	57	20.0	1800 RPM	176	F1	
07A	39	57	20.0	1800 RPM	192	F1	
07B	39	57	20.0	1800 RPM	208	F1	
07C	39	57	20.0	1800 RPM	224	F1	
07D	39	57	20.0	1800 RPM	240	F1	
07E	39	57	20.0	1800 RPM	256	F1	
07F	6C	108	38.0	2000 RPM	32	F1	
080	77	119	41.8	2000 RPM	40	F1	9
081	7D	125	43.9	2000 RPM	64	F1	
082	7D	125	43.9	2000 RPM	80	F1	
083	72	114	40.1	2000 RPM	96	F1	
084	66	102	35.9	2000 RPM	112	F1	
085	50	80	28.1	2000 RPM	128	F1	
086	4A	74	26.0	2000 RPM	144	F1	
087	4A	74	26.0	2000 RPM	160	F1	
088	44	68	23.9	2000 RPM	176	F1	
089	44	68	23.9	2000 RPM	192	F1	
08A	39	57	20.0	2000 RPM	208	F1	
08B	39	57	20.0	2000 RPM	224	F1	
08C	39	57	20.0	2000 RPM	240	F1	
08D	39	57	20.0	2000 RPM	256	F1	
08E	72	114	40.1	2200 RPM	32	F1	
08F	77	119	41.8	2200 RPM	40	F1	
090	7D	125	43.9	2200 RPM	64	F1	10
091	83	131	46.1	2200 RPM	80	F1	
092	77	119	41.8	2200 RPM	96	F1	
093	6C	108	38.0	2200 RPM	112	F1	
094	55	85	29.9	2200 RPM	128	F1	
095	50	80	28.1	2200 RPM	144	F1	
096	4A	74	26.0	2200 RPM	160	F1	
097	44	68	23.9	2200 RPM	176	F1	
098	3F	63	22.1	2200 RPM	192	F1	

099	3F	63	22.1	2200 RPM	208	F1	
09A	39	57	20.0	2200 RPM	224	F1	
09B	39	57	20.0	2200 RPM	240	F1	
09C	39	57	20.0	2200 RPM	256	F1	
09D	7D	125	43.9	2400 RPM	32	F1	
09E	7D	125	43.9	2400 RPM	40	F1	
09F	77	119	41.8	2400 RPM	64	F1	
0A0	72	114	40.1	2400 RPM	80	F1	11
0A1	61	97	34.1	2400 RPM	96	F1	
0A2	5B	91	32.0	2400 RPM	112	F1	
0A3	50	80	28.1	2400 RPM	128	F1	
0A4	4A	74	26.0	2400 RPM	144	F1	
0A5	4A	74	26.0	2400 RPM	160	F1	
0A6	4A	74	26.0	2400 RPM	176	F1	
0A7	4A	74	26.0	2400 RPM	192	F1	
0A8	4A	74	26.0	2400 RPM	208	F1	
0A9	4A	74	26.0	2400 RPM	224	F1	
0AA	4A	74	26.0	2400 RPM	240	F1	
0AB	4A	74	26.0	2400 RPM	256	F1	
0AC	7D	125	43.9	2800 RPM	32	F1	
0AD	7D	125	43.9	2800 RPM	40	F1	
0AE	77	119	41.8	2800 RPM	64	F1	
0AF	72	114	40.1	2800 RPM	80	F1	
0B0	61	97	34.1	2800 RPM	96	F1	12
0B1	5B	91	32.0	2800 RPM	112	F1	
0B2	50	80	28.1	2800 RPM	128	F1	
0B3	4A	74	26.0	2800 RPM	144	F1	
0B4	4A	74	26.0	2800 RPM	160	F1	
0B5	4A	74	26.0	2800 RPM	176	F1	
0B6	4A	74	26.0	2800 RPM	192	F1	
0B7	4A	74	26.0	2800 RPM	208	F1	
0B8	4A	74	26.0	2800 RPM	224	F1	
0B9	4A	74	26.0	2800 RPM	240	F1	
0BA	4A	74	26.0	2800 RPM	256	F1	
0BB	7D	125	43.9	3200 RPM	32	F1	
0BC	7D	125	43.9	3200 RPM	40	F1	
0BD	77	119	41.8	3200 RPM	64	F1	
0BE	72	114	40.1	3200 RPM	80	F1	
0BF	66	102	35.9	3200 RPM	96	F1	
0C0	61	97	34.1	3200 RPM	112	F1	13
0C1	55	85	29.9	3200 RPM	128	F1	
0C2	50	80	28.1	3200 RPM	144	F1	
0C3	44	68	23.9	3200 RPM	160	F1	
0C4	3F	63	22.1	3200 RPM	176	F1	
0C5	3F	63	22.1	3200 RPM	192	F1	
0C6	3F	63	22.1	3200 RPM	208	F1	
0C7	3F	63	22.1	3200 RPM	224	F1	
0C8	3F	63	22.1	3200 RPM	240	F1	
0C9	3F	63	22.1	3200 RPM	256	F1	
0CA	83	131	46.1	3600 RPM	32	F1	
0CB	83	131	46.1	3600 RPM	40	F1	
0CC	7D	125	43.9	3600 RPM	64	F1	
0CD	7D	125	43.9	3600 RPM	80	F1	
0CE	72	114	40.1	3600 RPM	96	F1	
0CF	6C	108	38.0	3600 RPM	112	F1	
0D0	61	97	34.1	3600 RPM	128	F1	14
0D1	5B	91	32.0	3600 RPM	144	F1	
0D2	50	80	28.1	3600 RPM	160	F1	
0D3	5D	93	32.7	3600 RPM	176	F1	
0D4	47	71	25.0	3600 RPM	192	F1	
0D5	42	66	23.2	3600 RPM	208	F1	
0D6	3F	63	22.1	3600 RPM	224	F1	
0D7	3F	63	22.1	3600 RPM	240	F1	
0D8	3F	63	22.1	3600 RPM	256	F1	
0D9	8E	142	49.9	4000 RPM	32	F1	
0DA	8E	142	49.9	4000 RPM	40	F1	
0DB	8E	142	49.9	4000 RPM	64	F1	
0DC	89	137	48.2	4000 RPM	80	F1	
0DD	7D	125	43.9	4000 RPM	96	F1	
0DE	72	114	40.1	4000 RPM	112	F1	
0DF	61	97	34.1	4000 RPM	128	F1	
0E0	55	85	29.9	4000 RPM	144	F1	15
0E1	50	80	28.1	4000 RPM	160	F1	
0E2	4D	77	27.1	4000 RPM	176	F1	
0E3	47	71	25.0	4000 RPM	192	F1	
0E4	44	68	23.9	4000 RPM	208	F1	
0E5	3F	63	22.1	4000 RPM	224	F1	
0E6	3F	63	22.1	4000 RPM	240	F1	
0E7	3F	63	22.1	4000 RPM	256	F1	
0E8	8E	142	49.9	4400 RPM	32	F1	

0E9	8E	142	49.9	4400 RPM	40	F1	
0EA	8E	142	49.9	4400 RPM	64	F1	
0EB	89	137	48.2	4400 RPM	80	F1	
0EC	7D	125	43.9	4400 RPM	96	F1	
0ED	72	114	40.1	4400 RPM	112	F1	
0EE	61	97	34.1	4400 RPM	128	F1	
0EF	55	85	29.9	4400 RPM	144	F1	
0F0	4A	74	26.0	4400 RPM	160	F1	16
0F1	44	68	23.9	4400 RPM	176	F1	
0F2	44	68	23.9	4400 RPM	192	F1	
0F3	3F	63	22.1	4400 RPM	208	F1	
0F4	3F	63	22.1	4400 RPM	224	F1	
0F5	3F	63	22.1	4400 RPM	240	F1	
0F6	3F	63	22.1	4400 RPM	256	F1	
0F7	8E	142	49.9	4800 RPM	32	F1	
0F8	8E	142	49.9	4800 RPM	40	F1	
0F9	8E	142	49.9	4800 RPM	64	F1	
0FA	89	137	48.2	4800 RPM	80	F1	
0FB	7D	125	43.9	4800 RPM	96	F1	
0FC	72	114	40.1	4800 RPM	112	F1	
0FD	61	97	34.1	4800 RPM	128	F1	
0FE	55	85	29.9	4800 RPM	144	F1	
0FF	50	80	28.1	4800 RPM	160	F1	
100	4A	74	26.0	4800 RPM	176	F1	17
101	44	68	23.9	4800 RPM	192	F1	
102	3F	63	22.1	4800 RPM	208	F1	
103	3F	63	22.1	4800 RPM	224	F1	
104	3F	63	22.1	4800 RPM	240	F1	
105	3F	63	22.1	4800 RPM	256	F1	
106	1	1	1	Load selector (not used)			
107	20	32	32	rpm min. (ntrpm)			
108	20	32	32	q min. (load)			
109	7	7	7	r num. (table size)	lv8x2		
10A	4A	74	11	Base coolant advance correction vs. load (CF-KCTBIAS)	32	F2B	
10B	4A	74	11	and cooldegf	48	F2B	
10C	4A	74	11	-16 deg c table (3deg f)	64	F2B	
10D	4A	74	11	-16 deg c table (3deg f)	80	F2B	
10E	50	80	13	-16 deg c table (3deg f)	96	F2B	
10F	50	80	13	-16 deg c table (3deg f)	112	F2B	
110	47	71	10	-16 deg c table (3deg f)	128	F2B	18
111	4A	74	11	-4 deg c table (25deg f)	32	F2B	
112	4A	74	11	-4 deg c table (25deg f)	48	F2B	
113	4A	74	11	-4 deg c table (25deg f)	64	F2B	
114	4A	74	11	-4 deg c table (25deg f)	80	F2B	
115	50	80	13	-4 deg c table (25deg f)	96	F2B	
116	50	80	13	-4 deg c table (25deg f)	112	F2B	
117	47	71	10	-4 deg c table (25deg f)	128	F2B	
118	4A	74	11	8 deg c table (46deg f)	32	F2B	
119	4A	74	11	8 deg c table (46deg f)	48	F2B	
11A	4A	74	11	8 deg c table (46deg f)	64	F2B	
11B	4A	74	11	8 deg c table (46deg f)	80	F2B	
11C	50	80	13	8 deg c table (46deg f)	96	F2B	
11D	50	80	13	8 deg c table (46deg f)	112	F2B	
11E	47	71	10	8 deg c table (46deg f)	128	F2B	
11F	2E	46	1	20 deg c table (68deg f)	32	F2B	
120	2E	46	1	20 deg c table (68deg f)	48	F2B	19
121	2E	46	1	20 deg c table (68deg f)	64	F2B	
122	2E	46	1	20 deg c table (68deg f)	80	F2B	
123	33	51	3	20 deg c table (68deg f)	96	F2B	
124	3C	60	6	20 deg c table (68deg f)	112	F2B	
125	3C	60	6	20 deg c table (68deg f)	128	F2B	
126	3C	60	6	32 deg c table (90deg f)	32	F2B	
127	3C	60	6	32 deg c table (90deg f)	48	F2B	
128	3C	60	6	32 deg c table (90deg f)	64	F2B	
129	3C	60	6	32 deg c table (90deg f)	80	F2B	
12A	3C	60	6	32 deg c table (90deg f)	96	F2B	
12B	3C	60	6	32 deg c table (90deg f)	112	F2B	
12C	3C	60	6	32 deg c table (90deg f)	128	F2B	
12D	25	37	-2	44 deg c table (111deg f)	32	F2B	
12E	25	37	-2	44 deg c table (111deg f)	48	F2B	
12F	25	37	-2	44 deg c table (111deg f)	64	F2B	
130	25	37	-2	44 deg c table (111deg f)	80	F2B	20
131	2B	43	0	44 deg c table (111deg f)	96	F2B	
132	33	51	3	44 deg c table (111deg f)	112	F2B	
133	39	57	5	44 deg c table (111deg f)	128	F2B	
134	1F	31	-4	56 deg c table (132deg f)	32	F2B	
135	1F	31	-4	56 deg c table (132deg f)	48	F2B	
136	1F	31	-4	56 deg c table (132deg f)	64	F2B	
137	25	37	-2	56 deg c table (132deg f)	80	F2B	
138	2B	43	0	56 deg c table (132deg f)	96	F2B	

139	2B	43	0	56 deg c table (132deg f)	112	F2B	
13A	33	51	3	56 deg c table (132deg f)	128	F2B	
13B	1F	31	-4	68deg c table (154deg f)	32	F2B	
13C	1F	31	-4	68deg c table (154deg f)	48	F2B	
13D	1F	31	-4	68deg c table (154deg f)	64	F2B	
13E	2E	46	1	68deg c table (154deg f)	80	F2B	
13F	30	48	2	68deg c table (154deg f)	96	F2B	
140	2E	46	1	68deg c table (154deg f)	112	F2B	21
141	30	48	2	68deg c table (154deg f)	128	F2B	
142	2B	43	0	80 deg c table (176deg f)	32	F2B	
143	2B	43	0	80 deg c table (176deg f)	48	F2B	
144	2B	43	0	80 deg c table (176deg f)	64	F2B	
145	2B	43	0	80 deg c table (176deg f)	80	F2B	
146	2E	46	1	80 deg c table (176deg f)	96	F2B	
147	2B	43	0	80 deg c table (176deg f)	112	F2B	
148	2E	46	1	80 deg c table (176deg f)	128	F2B	
149	2B	43	0	92 deg c table (197deg f)	32	F2B	
14A	2B	43	0	92 deg c table (197deg f)	48	F2B	
14B	2B	43	0	92 deg c table (197deg f)	64	F2B	
14C	2B	43	0	92 deg c table (197deg f)	80	F2B	
14D	2B	43	0	92 deg c table (197deg f)	96	F2B	
14E	28	40	-1	92 deg c table (197deg f)	112	F2B	
14F	2B	43	0	92 deg c table (197deg f)	128	F2B	
150	1F	31	-4	104 deg c table (219deg f)	32	F2B	22
151	1F	31	-4	104 deg c table (219deg f)	48	F2B	
152	1F	31	-4	104 deg c table (219deg f)	64	F2B	
153	1F	31	-4	104 deg c table (219deg f)	80	F2B	
154	25	37	-2	104 deg c table (219deg f)	96	F2B	
155	25	37	-2	104 deg c table (219deg f)	112	F2B	
156	1F	31	-4	104 deg c table (219deg f)	128	F2B	
157	2E	46	1	116 deg c table (241deg f)	32	F2B	
158	2E	46	1	116 deg c table (241deg f)	48	F2B	
159	2E	46	1	116 deg c table (241deg f)	64	F2B	
15A	1F	31	-4	116 deg c table (241deg f)	80	F2B	
15B	25	37	-2	116 deg c table (241deg f)	96	F2B	
15C	25	37	-2	116 deg c table (241deg f)	112	F2B	
15D	1A	26	-6	116 deg c table (241deg f)	128	F2B	
15E	C7	199	70	Spark reference angle	deg	KREFANGL	
15F	2B	43	15	Bias for base coolant adv. corr. table (table F2B)	deg	KCTBIAS	
160	0	0	0.0	Bias for ATS spark corr. (table F4A)	deg	KATSBIAIS	23
161	0C	12		number of 65Khz counts		KRPMUP	
162	CD	205		"	0CCD	3277	
163	0A	10	10	engine run counter for startup		KERUNCTR	
164	0D	13	198	time domain correction to spark	usec	KTIMELAG	
165	0	0		maximum advance relative to reference (2's com)		KMAXADV2	
166	0	0		"	0		
167	FF	255		maximum retard relative to reference (2's com)		KMAXRTD2	
168	43				FF43		
169	0	0		park/neutral spark advance		KPNSPK	
16A	0			"	0		
16B	FF	255		diag mode forced advance		KDEAGADV	
16C	64	100	15	"	FF64	65380	
16D	17	23	8	spark advance delta for aldl		KSAALDL	
16E	80	128	128	highway mode spark adv. LV8 Threshold	cts	KLDHM	
16F	80	128	50	minimum tps for WOT spark advance	%tps	KF3TPS	
170	8	8	3	hot restart spark retard	deg	KSRHR	24
171	0	0		highway mode spark advance timer thresh.	sec	KTIMEHM	
172	1	1	0.01	"			
173	6B	107	40	hot restart spark retard coolant thresh.		KHRCTA	
174	0	0	0	if engine run time < this skip esc		KESCTIM	
175	1	1	1	"	sec		
176	50	80	1000	cutoff for ESC retard increase	rpm	KRPMKNOB	
177	55	85	14.9	max allowable retard EGR on (256=45deg)		KRETARM	
178	AA	170	29.9	max allowable retard in Power Enrichment		KRETMAX	
179	40	64	8	esc coolant cutoff (degC)	deg C	KESCOOLA	
17A	8	8	0.1	BKR active time	sec	KBKRTIM	
17B	19	25	9.8	TPS delta thresh. to activate BKR	%	KBKRTPS	
17C	14	20	7.0	BKR retard for active mode	deg	KBKRTD	
17D	6B	107	40	if coolant < this, skip BKR	deg C	KBKRCCLT	
17E	32	50	50	if MPH > this, skip BKR	mph	KBKRMPPH	
17F	0	0	0	rmin		F3	
180	60	96	96	qmin			25
181	6	6	6	rnum	LV8		
182	4A	74	26.0	Spark advance @ WOT 400 RPM	96	F3	
183	4A	74	26.0	Spark advance @ WOT 400 RPM	112	F3	
184	4A	74	26.0	Spark advance @ WOT 400 RPM	128	F3	
185	4A	74	26.0	Spark advance @ WOT 400 RPM	144	F3	
186	4A	74	26.0	Spark advance @ WOT 400 RPM	160	F3	
187	4A	74	26.0	Spark advance @ WOT 400 RPM	176	F3	
188	4D	77	27.1	Spark advance @ WOT 800 RPM	96	F3	

189	4D	77	27.1	Spark advance @ WOT	800 RPM	112	F3	
18A	4A	74	26.0	Spark advance @ WOT	800 RPM	128	F3	
18B	4A	74	26.0	Spark advance @ WOT	800 RPM	144	F3	
18C	4A	74	26.0	Spark advance @ WOT	800 RPM	160	F3	
18D	4A	74	26.0	Spark advance @ WOT	800 RPM	176	F3	
18E	50	80	28.1	Spark advance @ WOT	1200 RPM	96	F3	
18F	4D	77	27.1	Spark advance @ WOT	1200 RPM	112	F3	
190	4D	77	27.1	Spark advance @ WOT	1200 RPM	128	F3	26
191	4A	74	26.0	Spark advance @ WOT	1200 RPM	144	F3	
192	4A	74	26.0	Spark advance @ WOT	1200 RPM	160	F3	
193	44	68	23.9	Spark advance @ WOT	1200 RPM	176	F3	
194	5B	91	32.0	Spark advance @ WOT	1600 RPM	96	F3	
195	50	80	28.1	Spark advance @ WOT	1600 RPM	112	F3	
196	4A	74	26.0	Spark advance @ WOT	1600 RPM	128	F3	
197	44	68	23.9	Spark advance @ WOT	1600 RPM	144	F3	
198	44	68	23.9	Spark advance @ WOT	1600 RPM	160	F3	
199	3F	63	22.1	Spark advance @ WOT	1600 RPM	176	F3	
19A	5B	91	32.0	Spark advance @ WOT	2000 RPM	96	F3	
19B	50	80	28.1	Spark advance @ WOT	2000 RPM	112	F3	
19C	4A	74	26.0	Spark advance @ WOT	2000 RPM	128	F3	
19D	4A	74	26.0	Spark advance @ WOT	2000 RPM	144	F3	
19E	4A	74	26.0	Spark advance @ WOT	2000 RPM	160	F3	
19F	44	68	23.9	Spark advance @ WOT	2000 RPM	176	F3	
1A0	8	8		rmin				27
1A1	80	128		qmin				
1A2	9	9		rnum		LV8		
1A3	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF	(CF-KATSBIAIS)	128	F4A	
1A4	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF		144	F4A	
1A5	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF		160	F4A	
1A6	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF		176	F4A	
1A7	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF		192	F4A	
1A8	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF		208	F4A	
1A9	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF		224	F4A	
1AA	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF		240	F4A	
1AB	0	0	0.0	spark advance vs. air temp & LV8 @ -13degF		256	F4A	
1AC	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		128	F4A	
1AD	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		144	F4A	
1AE	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		160	F4A	
1AF	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		176	F4A	
1B0	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		192	F4A	28
1B1	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		208	F4A	
1B2	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		224	F4A	
1B3	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		240	F4A	
1B4	0	0	0.0	spark advance vs. air temp & LV8 @ 27degF		256	F4A	
1B5	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		128	F4A	
1B6	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		144	F4A	
1B7	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		160	F4A	
1B8	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		176	F4A	
1B9	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		192	F4A	
1BA	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		208	F4A	
1BB	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		224	F4A	
1BC	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		240	F4A	
1BD	0	0	0.0	spark advance vs. air temp & LV8 @ 52degF		256	F4A	
1BE	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		128	F4A	
1BF	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		144	F4A	
1C0	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		160	F4A	29
1C1	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		176	F4A	
1C2	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		192	F4A	
1C3	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		208	F4A	
1C4	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		224	F4A	
1C5	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		240	F4A	
1C6	0	0	0.0	spark advance vs. air temp & LV8 @ 72degF		256	F4A	
1C7	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		128	F4A	
1C8	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		144	F4A	
1C9	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		160	F4A	
1CA	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		176	F4A	
1CB	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		192	F4A	
1CC	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		208	F4A	
1CD	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		224	F4A	
1CE	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		240	F4A	
1CF	0	0	0.0	spark advance vs. air temp & LV8 @ 91degF		256	F4A	
1D0	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		128	F4A	30
1D1	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		144	F4A	
1D2	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		160	F4A	
1D3	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		176	F4A	
1D4	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		192	F4A	
1D5	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		208	F4A	
1D6	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		224	F4A	
1D7	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		240	F4A	
1D8	0	0	0.0	spark advance vs. air temp & LV8 @ 115degF		256	F4A	



1D9	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	128	F4A	
1DA	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	144	F4A	
1DB	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	160	F4A	
1DC	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	176	F4A	
1DD	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	192	F4A	
1DE	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	208	F4A	
1DF	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	224	F4A	
1E0	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	240	F4A	31
1E1	0	0	0.0	spark advance vs. air temp & LV8 @ 149degF	256	F4A	
1E2	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	128	F4A	
1E3	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	144	F4A	
1E4	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	160	F4A	
1E5	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	176	F4A	
1E6	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	192	F4A	
1E7	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	208	F4A	
1E8	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	224	F4A	
1E9	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	240	F4A	
1EA	0	0	0.0	spark advance vs. air temp & LV8 @ 216degF	256	F4A	
1EB	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	128	F4A	
1EC	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	144	F4A	
1ED	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	160	F4A	
1EE	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	176	F4A	
1EF	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	192	F4A	
1F0	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	208	F4A	32
1F1	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	224	F4A	
1F2	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	240	F4A	
1F3	0	0	0.0	spark advance vs. air temp & LV8 @ hotdegF	256	F4A	
1F4	17	23	8	Highway mode spark advance vs. Load	48	F5	
1F5	11	17	6	Highway mode spark advance vs. Load	64	F5	
1F6	0B	11	4	Highway mode spark advance vs. Load	80	F5	
1F7	0B	11	4	Highway mode spark advance vs. Load	96	F5	
1F8	0B	11	4	Highway mode spark advance vs. Load	112	F5	
1F9	0B	11	4	Highway mode spark advance vs. Load	128	F5	
1FA	0B	11	4	Highway mode spark advance vs. Load	144	F5	
1FB	0B	11	4	Highway mode spark advance vs. Load	160	F5	
1FC	0B	11	4	Highway mode spark advance vs. Load	176	F5	
1FD	0B	11	4	Highway mode spark advance vs. Load	192	F5	
1FE	0B	11	4	Highway mode spark advance vs. Load	208	F5	
1FF	0B	11	4	Highway mode spark advance vs. Load	224	F5	
200	0B	11	4	Highway mode spark advance vs. Load	240	F5	33
201	0B	11	4	Highway mode spark advance vs. Load	256	F5	
202	60	96	96	rmin			
203	60	96	96	qmin			
204	0B	11	11	rnum			
205	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	96	F8C	
206	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	112	F8C	
207	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	128	F8C	
208	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	144	F8C	
209	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	160	F8C	
20A	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	176	F8C	
20B	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	192	F8C	
20C	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	208	F8C	
20D	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	224	F8C	
20E	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	240	F8C	
20F	0	0	0.0	tcc locked spark retard vs rpm and load (1200)	256	F8C	
210	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	96	F8C	34
211	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	112	F8C	
212	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	128	F8C	
213	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	144	F8C	
214	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	160	F8C	
215	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	176	F8C	
216	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	192	F8C	
217	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	208	F8C	
218	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	224	F8C	
219	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	240	F8C	
21A	0	0	0.0	tcc locked spark retard vs rpm and load (1400)	256	F8C	
21B	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	96	F8C	
21C	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	112	F8C	
21D	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	128	F8C	
21E	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	144	F8C	
21F	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	160	F8C	
220	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	176	F8C	35
221	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	192	F8C	
222	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	208	F8C	
223	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	224	F8C	
224	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	240	F8C	
225	0	0	0.0	tcc locked spark retard vs rpm and load (1600)	256	F8C	
226	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	96	F8C	
227	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	112	F8C	
228	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	128	F8C	

229	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	144	F8C	
22A	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	160	F8C	
22B	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	176	F8C	
22C	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	192	F8C	
22D	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	208	F8C	
22E	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	224	F8C	
22F	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	240	F8C	
230	0	0	0.0	tcc locked spark retard vs rpm and load (1800)	256	F8C	36
231	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	96	F8C	
232	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	112	F8C	
233	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	128	F8C	
234	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	144	F8C	
235	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	160	F8C	
236	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	176	F8C	
237	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	192	F8C	
238	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	208	F8C	
239	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	224	F8C	
23A	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	240	F8C	
23B	0	0	0.0	tcc locked spark retard vs rpm and load (2000)	256	F8C	
23C	8	8	0.18	Knock Control Attack Rate vs RPM	400	F6	
23D	8	8	0.18	Knock Control Attack Rate vs RPM	1200	F6	
23E	9	9	0.20	Knock Control Attack Rate vs RPM	2000	F6	
23F	0E	14	0.31	Knock Control Attack Rate vs RPM	3200	F6	
240	0E	14	0.31	Knock Control Attack Rate vs RPM	4800	F6	37
241	FF	255	498%	Knock Control Recovery Rate vs RPM (0 - 500%)	400	F7	
242	18	24	47%	Knock Control Recovery Rate vs RPM (0 - 500%)	1200	F7	
243	10	16	31%	Knock Control Recovery Rate vs RPM (0 - 500%)	2000	F7	
244	10	16	31%	Knock Control Recovery Rate vs RPM (0 - 500%)	3200	F7	
245	14	20	39%	Knock Control Recovery Rate vs RPM (0 - 500%)	4800	F7	
246	1C	28	10	Spark time out vs. coolant temp.	-40	F81	
247	1C	28	10	Spark time out vs. coolant temp.	-28	F81	
248	1C	28	10	Spark time out vs. coolant temp.	-16	F81	
249	1C	28	10	Spark time out vs. coolant temp.	-4	F81	
24A	1C	28	10	Spark time out vs. coolant temp.	8	F81	
24B	0E	14	5	Spark time out vs. coolant temp.	20	F81	
24C	0E	14	5	Spark time out vs. coolant temp.	32	F81	
24D	0E	14	5	Spark time out vs. coolant temp.	44	F81	
24E	0C	12	4	Spark time out vs. coolant temp.	56	F81	
24F	8	8	3	Spark time out vs. coolant temp.	68	F81	
250	4	4	1	Spark time out vs. coolant temp.	80	F81	38
251	0	0	0	Spark time out vs. coolant temp.	92	F81	
252	0	0	0	Spark time out vs. coolant temp.	104	F81	
253	0	0	0	Spark time out vs. coolant temp.	116	F81	
254	FA	250	50	Spark timeout decay delay vs. coolant temp.	-40	F82	
255	FA	250	50	Spark timeout decay delay vs. coolant temp.	-28	F82	
256	FA	250	50	Spark timeout decay delay vs. coolant temp.	-16	F82	
257	FA	250	50	Spark timeout decay delay vs. coolant temp.	-4	F82	
258	FA	250	50	Spark timeout decay delay vs. coolant temp.	8	F82	
259	7D	125	25	Spark timeout decay delay vs. coolant temp.	20	F82	
25A	7D	125	25	Spark timeout decay delay vs. coolant temp.	32	F82	
25B	96	150	30	Spark timeout decay delay vs. coolant temp.	44	F82	
25C	96	150	30	Spark timeout decay delay vs. coolant temp.	56	F82	
25D	96	150	30	Spark timeout decay delay vs. coolant temp.	68	F82	
25E	96	150	30	Spark timeout decay delay vs. coolant temp.	80	F82	
25F	96	150	30	Spark timeout decay delay vs. coolant temp.	92	F82	
260	96	150	30	Spark timeout decay delay vs. coolant temp.	104	F82	39
261	96	150	30	Spark timeout decay delay vs. coolant temp.	116	F82	
262	3	3	1	Time out decay rate vs. coolant temp.	-40	F83	
263	3	3	1	Time out decay rate vs. coolant temp.	-28	F83	
264	3	3	1	Time out decay rate vs. coolant temp.	-16	F83	
265	3	3	1	Time out decay rate vs. coolant temp.	-4	F83	
266	3	3	1	Time out decay rate vs. coolant temp.	8	F83	
267	6	6	2	Time out decay rate vs. coolant temp.	20	F83	
268	6	6	2	Time out decay rate vs. coolant temp.	32	F83	
269	3	3	1	Time out decay rate vs. coolant temp.	44	F83	
26A	3	3	1	Time out decay rate vs. coolant temp.	56	F83	
26B	3	3	1	Time out decay rate vs. coolant temp.	68	F83	
26C	3	3	1	Time out decay rate vs. coolant temp.	80	F83	
26D	3	3	1	Time out decay rate vs. coolant temp.	92	F83	
26E	3	3	1	Time out decay rate vs. coolant temp.	104	F83	
26F	3	3	1	Time out decay rate vs. coolant temp.	116	F83	
270	0	0	0	maximum achievable boost spark	deg	KBSTSPKM	40
271	80	128	0.5	boost spark filter coeff.	coeff	KSPKSLEW	
272	27	39	0.152	boost spark fuel decay mult.	mult.	KBSTFCY	
273	18	24	5	spark cold start timeout timer	sec	KSATIKT	
274	20	32	32	if delta lv8 > this then max dwell	lv8	KDWDLV8	
275	FF	255	FF	diag par tables Mask for malfflg1 (bit=0 disables)		KKMASK1	
276	FB	251	FB	diag par tables Mask for malfflg2 (bit=0 disables)		KKMASK2	
277	F9	249	F9	diag par tables Mask for malfflg3 (bit=0 disables)		KKMASK3	
278	32	50	50	no. of successive power ups with no malfunction, N.D.		KKNOMALF	



279	14	20	2	malf logging filter constant 1		KMCNT1	
27A	3C	60	6	malf logging filter constant 2		KMCNT2	
27B	50	80	8	malf logging filter constant 3		KMCNT3	
27C	78	120	12	malf logging filter constant 4		KMCNT4	
27D	0	0		bulb test time		KKDLAY12	
27E	32	50		blink led's for this time if fatal error			
27F	32	50	5	"			
280	0	0		"sec" eng runtime must be >cal to enable Malf 13		malf 13 params.	41
281	28	40	40	"		"	
282	4F	79	0.350	"volts" O2 sensor low limit		"	
283	7E	126	0.558	"volts" O2 sensor high limit		"	
284	0F	15	6	" % " throttle position limit		"	
285	4	4	8	"sec" if conditions met for >this cal set Malf 13		"	
286	75	117	48	"degC" coolant threshold		malf 13/34 par.	
287	0	0	0	"sec" time since run enable		"	
288	14	20	20	"		"	
289	F0	240	140	"degC" coolant high limit		"	
28A	70	112	44	"degC" default coolant reading		malf 14/15 par.	
28B	0	0	0	"sec" time since run enable		malf 15 par.	
28C	4	4	4	"		"	
28D	8	8	-34	"degC" coolant low limit		"	
28E	80	128	128	"ad cnts" throttle position limit		malf 21 par.	
28F	32	50	5	"sec" time limit		"	
290	0F	15	15	"gm/sec" gmpsec limit		"	42
291	FA	250	250	"ad cnts" adthrot upper bound		"	
292	80	128	128	"ad cnts" default tps		malf 21/22 par.	
293	0C	12	12	"ad cnts" throttle position limit		malf 22 par.	
294	FC	252	252	"ad cnts" if raw a/d counts <=this skip Malf 23		malf 23 par.	
295	70	112		"admatinv" default value (see anno. Table 3)		"	
296	3	3	3	"mph" vehicle speed limit		malf 24 par.	
297	50	80	1400	"rpm" engine speed lower (see table 1 ntrim)		"	
298	F0	240	4400	"rpm" engine speed upper (see table 1 ntrim)		"	
299	32	50	50	"cts" LV8 lower limit		"	
29A	64	100	100	"cts" LV8 higher limit		"	
29B	14	20	20	"sec" time limit		"	
29C	5	5	5	"ad cnts" if raw a/d counts >=this skip Malf 25		malf 25 par.	
29D	80	128	40	"mph" if nmph <this don't set Malf 25		"	
29E	A0	160	16	"sec" if conditions met for >this cal set Malf 25		"	
29F	14	20	2	"sec" time limit to enable Malf 31		malf 31 par.	
2A0	64	100	10	"sec" if vac hi time >cal set Malf 32 (should be low)		malf 32 par.	43
2A1	A6	166	65	"dc" if egrdc <cal and no vac., don't log Malf32		"	
2A2	64	100	100	"cts" if LV8 >=cal and no vac., don't log Malf32		"	
2A3	FF	255	25.5	"sec" if vac lo time >cal set Malf 32 (should be high)		"	
2A4	1A	26	10	"%" TPS limit		malf 33 par.	
2A5	28	40	40	"gm/sec" flow limit		"	
2A6	32	50	5	"sec" time limit		"	
2A7	50	80	1400	"rpm" engine speed limit		"	
2A8	28	40	250	"msec" minor loop until mfs erro		malf 33/34 par.	
2A9	A0	160	1.25	"coef" maf default coef.		"	
2AA	55	85	55	Prom test word 1		prom test word 1	
2AB	28	40	0.31	"coef" max default coef if tps > kktpsvco(32AC)		"	
2AC	40	64	25	"%tps" tps crossover for different gain		malf 34 par.	
2AD	8	8	8	"coef" maf default scaler		"	
2AE	78	120	120	"coef" maf default offset if tps > kktpsvco(32AC)		"	
2AF	32	50	5	"sec" malf 34B timer		"	
2B0	4	4	4	"gm/sec" maximum air flow for malf 34B		"	44
2B1	70	112	1800	"rpm" rpm minimum for malf 34B		"	
2B2	19	25	10	"%tps" throttle position minimum for malf 34B		"	
2B3	10	16	600	"rpm" engine speed limit		malf 42 par.	
2B4	3	3	3	"cnts" number of PA1 counts for a malfunction (42A)		"	
2B5	8F	143	2.23	"sec" pulse accumulator limit		malf 43 par.	
2B6	39	57	10	"deg" esc failure default retards (256=45 deg)		"	
2B7	39	57	0.252	"volts" O2 sensor low limit		"	
2B8	32	50	50	"sec" time limit		"	
2B9	AA	170	0.752	"volts" O2 sensor high limit		malf 45 par.	
2BA	14	20	20	"sec" time limit		"	
2BB	33	51	20	"%tps" tps high limit		"	
2BC	5	5	2	"%tps" tps low limit		"	
2BD	10	16	16	use 17 value table	rpm		
2BE	30	48	48	Engine rpm vs. default vco counts (offset)	400	F18A	
2BF	30	48	48	Engine rpm vs. default vco counts (offset)	600	F18A	
2C0	30	48	48	Engine rpm vs. default vco counts (offset)	800	F18A	45
2C1	40	64	64	Engine rpm vs. default vco counts (offset)	1000	F18A	
2C2	48	72	72	Engine rpm vs. default vco counts (offset)	1200	F18A	
2C3	50	80	80	Engine rpm vs. default vco counts (offset)	1400	F18A	
2C4	58	88	88	Engine rpm vs. default vco counts (offset)	1600	F18A	
2C5	60	96	96	Engine rpm vs. default vco counts (offset)	1800	F18A	
2C6	60	96	96	Engine rpm vs. default vco counts (offset)	2000	F18A	
2C7	60	96	96	Engine rpm vs. default vco counts (offset)	2200	F18A	
2C8	60	96	96	Engine rpm vs. default vco counts (offset)	2400	F18A	

2C9	60	96	96	Engine rpm vs. default vco counts (offset)	2800	F18A	
2CA	60	96	96	Engine rpm vs. default vco counts (offset)	3200	F18A	
2CB	60	96	96	Engine rpm vs. default vco counts (offset)	3600	F18A	
2CC	60	96	96	Engine rpm vs. default vco counts (offset)	4000	F18A	
2CD	60	96	96	Engine rpm vs. default vco counts (offset)	4400	F18A	
2CE	60	96	96	Engine rpm vs. default vco counts (offset)	4800	F18A	
2CF	0A	10	4	if tps <= cal keep egr off	%tps	KEGRHTPS	
2D0	5	5	2	if tps <= cal turn egr off	%tps	KEGRLTPS	46
2D1	0	0	0	if in P/E and LV8 >= cal keep EGR off	%LV8	KLV8EGR	
2D2	80	128	128	If in P/E and LV8 >= cal turn EGR off	%LV8	KLV8EGRH	
2D3	19	25	10	% DC Displacement of DC not used in TCC Calcs	%DC	KEGRDCD	
2D4	0	0	0	max time for aldl egr testing (100msec increments)	sec	KEGALTIM	
2D5	0	0	0	upper bound for aldl engine rpm	rpm	KEGRPMU	
2D6	0	0	0	lower bound for aldl engine rpm	rpm	KEGRPML	
2D7	0	0	0	duty cycle to be used during aldl	%dc	KEGRALD	
2D8	1	1	1	load selector	1=lv82x	F76L	
2D9	0	0		rmin		F76A	
2DA	40	64		qmin			
2DB	0	0		rnum			
2DC	33	51	20	EGR Duty cycle table 600 rpm (% DC)	32	F76A	
2DD	33	51	20	EGR Duty cycle table 600 rpm (% DC)	40	F76A	
2DE	33	51	20	EGR Duty cycle table 600 rpm (% DC)	48	F76A	
2DF	33	51	20	EGR Duty cycle table 600 rpm (% DC)	56	F76A	
2E0	33	51	20	EGR Duty cycle table 600 rpm (% DC)	64	F76A	47
2E1	33	51	20	EGR Duty cycle table 600 rpm (% DC)	72	F76A	
2E2	33	51	20	EGR Duty cycle table 600 rpm (% DC)	80	F76A	
2E3	33	51	20	EGR Duty cycle table 600 rpm (% DC)	88	F76A	
2E4	33	51	20	EGR Duty cycle table 600 rpm (% DC)	96	F76A	
2E5	33	51	20	EGR Duty cycle table 600 rpm (% DC)	104	F76A	
2E6	33	51	20	EGR Duty cycle table 600 rpm (% DC)	112	F76A	
2E7	33	51	20	EGR Duty cycle table 600 rpm (% DC)	120	F76A	
2E8	33	51	20	EGR Duty cycle table 600 rpm (% DC)	128	F76A	
2E9	33	51	20	EGR Duty cycle table 800 rpm (% DC)	32	F76A	
2EA	33	51	20	EGR Duty cycle table 800 rpm (% DC)	40	F76A	
2EB	33	51	20	EGR Duty cycle table 800 rpm (% DC)	48	F76A	
2EC	33	51	20	EGR Duty cycle table 800 rpm (% DC)	56	F76A	
2ED	33	51	20	EGR Duty cycle table 800 rpm (% DC)	64	F76A	
2EE	33	51	20	EGR Duty cycle table 800 rpm (% DC)	72	F76A	
2EF	33	51	20	EGR Duty cycle table 800 rpm (% DC)	80	F76A	
2F0	33	51	20	EGR Duty cycle table 800 rpm (% DC)	88	F76A	48
2F1	33	51	20	EGR Duty cycle table 800 rpm (% DC)	96	F76A	
2F2	33	51	20	EGR Duty cycle table 800 rpm (% DC)	104	F76A	
2F3	33	51	20	EGR Duty cycle table 800 rpm (% DC)	112	F76A	
2F4	33	51	20	EGR Duty cycle table 800 rpm (% DC)	120	F76A	
2F5	33	51	20	EGR Duty cycle table 800 rpm (% DC)	128	F76A	
2F6	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	32	F76A	
2F7	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	40	F76A	
2F8	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	48	F76A	
2F9	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	56	F76A	
2FA	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	64	F76A	
2FB	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	72	F76A	
2FC	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	80	F76A	
2FD	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	88	F76A	
2FE	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	96	F76A	
2FF	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	104	F76A	
300	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	112	F76A	49
301	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	120	F76A	
302	33	51	20	EGR Duty cycle table 1000 rpm (% DC)	128	F76A	
303	33	51	20	EGR Duty cycle table 1200 rpm (% DC)	32	F76A	
304	33	51	20	EGR Duty cycle table 1200 rpm (% DC)	40	F76A	
305	40	64	25	EGR Duty cycle table 1200 rpm (% DC)	48	F76A	
306	40	64	25	EGR Duty cycle table 1200 rpm (% DC)	56	F76A	
307	40	64	25	EGR Duty cycle table 1200 rpm (% DC)	64	F76A	
308	45	69	27	EGR Duty cycle table 1200 rpm (% DC)	72	F76A	
309	4D	77	30	EGR Duty cycle table 1200 rpm (% DC)	80	F76A	
30A	4D	77	30	EGR Duty cycle table 1200 rpm (% DC)	88	F76A	
30B	54	84	33	EGR Duty cycle table 1200 rpm (% DC)	96	F76A	
30C	54	84	33	EGR Duty cycle table 1200 rpm (% DC)	104	F76A	
30D	54	84	33	EGR Duty cycle table 1200 rpm (% DC)	112	F76A	
30E	54	84	33	EGR Duty cycle table 1200 rpm (% DC)	120	F76A	
30F	54	84	33	EGR Duty cycle table 1200 rpm (% DC)	128	F76A	
310	33	51	20	EGR Duty cycle table 1400 rpm (% DC)	32	F76A	50
311	33	51	20	EGR Duty cycle table 1400 rpm (% DC)	40	F76A	
312	40	64	25	EGR Duty cycle table 1400 rpm (% DC)	48	F76A	
313	54	84	33	EGR Duty cycle table 1400 rpm (% DC)	56	F76A	
314	5C	92	36	EGR Duty cycle table 1400 rpm (% DC)	64	F76A	
315	66	102	40	EGR Duty cycle table 1400 rpm (% DC)	72	F76A	
316	6B	107	42	EGR Duty cycle table 1400 rpm (% DC)	80	F76A	
317	73	115	45	EGR Duty cycle table 1400 rpm (% DC)	88	F76A	
318	8F	143	56	EGR Duty cycle table 1400 rpm (% DC)	96	F76A	

319	A8	168	66	EGR Duty cycle table 1400 rpm (% DC)	104	F76A	
31A	CC	204	80	EGR Duty cycle table 1400 rpm (% DC)	112	F76A	
31B	E5	229	90	EGR Duty cycle table 1400 rpm (% DC)	120	F76A	
31C	E5	229	90	EGR Duty cycle table 1400 rpm (% DC)	128	F76A	
31D	33	51	20	EGR Duty cycle table 1600 rpm (% DC)	32	F76A	
31E	40	64	25	EGR Duty cycle table 1600 rpm (% DC)	40	F76A	
31F	52	82	32	EGR Duty cycle table 1600 rpm (% DC)	48	F76A	
320	61	97	38	EGR Duty cycle table 1600 rpm (% DC)	56	F76A	51
321	70	112	44	EGR Duty cycle table 1600 rpm (% DC)	64	F76A	
322	8A	138	54	EGR Duty cycle table 1600 rpm (% DC)	72	F76A	
323	9E	158	62	EGR Duty cycle table 1600 rpm (% DC)	80	F76A	
324	A3	163	64	EGR Duty cycle table 1600 rpm (% DC)	88	F76A	
325	AD	173	68	EGR Duty cycle table 1600 rpm (% DC)	96	F76A	
326	BF	191	75	EGR Duty cycle table 1600 rpm (% DC)	104	F76A	
327	D9	217	85	EGR Duty cycle table 1600 rpm (% DC)	112	F76A	
328	FF	255	100	EGR Duty cycle table 1600 rpm (% DC)	120	F76A	
329	FF	255	100	EGR Duty cycle table 1600 rpm (% DC)	128	F76A	
32A	33	51	20	EGR Duty cycle table 1800 rpm (% DC)	32	F76A	
32B	33	51	20	EGR Duty cycle table 1800 rpm (% DC)	40	F76A	
32C	61	97	38	EGR Duty cycle table 1800 rpm (% DC)	48	F76A	
32D	66	102	40	EGR Duty cycle table 1800 rpm (% DC)	56	F76A	
32E	7D	125	49	EGR Duty cycle table 1800 rpm (% DC)	64	F76A	
32F	94	148	58	EGR Duty cycle table 1800 rpm (% DC)	72	F76A	
330	A8	168	66	EGR Duty cycle table 1800 rpm (% DC)	80	F76A	52
331	B2	178	70	EGR Duty cycle table 1800 rpm (% DC)	88	F76A	
332	BF	191	75	EGR Duty cycle table 1800 rpm (% DC)	96	F76A	
333	D9	217	85	EGR Duty cycle table 1800 rpm (% DC)	104	F76A	
334	FF	255	100	EGR Duty cycle table 1800 rpm (% DC)	112	F76A	
335	FF	255	100	EGR Duty cycle table 1800 rpm (% DC)	120	F76A	
336	FF	255	100	EGR Duty cycle table 1800 rpm (% DC)	128	F76A	
337	33	51	20	EGR Duty cycle table 2000 rpm (% DC)	32	F76A	
338	33	51	20	EGR Duty cycle table 2000 rpm (% DC)	40	F76A	
339	61	97	38	EGR Duty cycle table 2000 rpm (% DC)	48	F76A	
33A	6B	107	42	EGR Duty cycle table 2000 rpm (% DC)	56	F76A	
33B	7A	122	48	EGR Duty cycle table 2000 rpm (% DC)	64	F76A	
33C	94	148	58	EGR Duty cycle table 2000 rpm (% DC)	72	F76A	
33D	AB	171	67	EGR Duty cycle table 2000 rpm (% DC)	80	F76A	
33E	C2	194	76	EGR Duty cycle table 2000 rpm (% DC)	88	F76A	
33F	E0	224	88	EGR Duty cycle table 2000 rpm (% DC)	96	F76A	
340	FF	255	100	EGR Duty cycle table 2000 rpm (% DC)	104	F76A	53
341	FF	255	100	EGR Duty cycle table 2000 rpm (% DC)	112	F76A	
342	FF	255	100	EGR Duty cycle table 2000 rpm (% DC)	120	F76A	
343	FF	255	100	EGR Duty cycle table 2000 rpm (% DC)	128	F76A	
344	33	51	20	EGR Duty cycle table 2200 rpm (% DC)	32	F76A	
345	33	51	20	EGR Duty cycle table 2200 rpm (% DC)	40	F76A	
346	61	97	38	EGR Duty cycle table 2200 rpm (% DC)	48	F76A	
347	6B	107	42	EGR Duty cycle table 2200 rpm (% DC)	56	F76A	
348	85	133	52	EGR Duty cycle table 2200 rpm (% DC)	64	F76A	
349	94	148	58	EGR Duty cycle table 2200 rpm (% DC)	72	F76A	
34A	A8	168	66	EGR Duty cycle table 2200 rpm (% DC)	80	F76A	
34B	C2	194	76	EGR Duty cycle table 2200 rpm (% DC)	88	F76A	
34C	E0	224	88	EGR Duty cycle table 2200 rpm (% DC)	96	F76A	
34D	FF	255	100	EGR Duty cycle table 2200 rpm (% DC)	104	F76A	
34E	FF	255	100	EGR Duty cycle table 2200 rpm (% DC)	112	F76A	
34F	FF	255	100	EGR Duty cycle table 2200 rpm (% DC)	120	F76A	
350	FF	255	100	EGR Duty cycle table 2200 rpm (% DC)	128	F76A	54
351	0	0	0	mult. vs. coolant deg C	8	F77B	
352	0	0	0	mult. vs. coolant deg C	20	F77B	
353	0	0	0	mult. vs. coolant deg C	32	F77B	
354	80	128	1	mult. vs. coolant deg C	44	F77B	
355	80	128	1	mult. vs. coolant deg C	56	F77B	
356	80	128	1	mult. vs. coolant deg C	68	F77B	
357	80	128	1	mult. vs. coolant deg C	80	F77B	
358	80	128	1	mult. vs. coolant deg C	92	F77B	
359	80	128	1	mult. vs. coolant deg C	104	F77B	
35A	0	0	0.00	Mult. vs. load 4th gear table	32	F78A1	
35B	0	0	0.00	Mult. vs. load 4th gear table	40	F78A1	
35C	0	0	0.00	Mult. vs. load 4th gear table	48	F78A1	
35D	2C	44	0.34	Mult. vs. load 4th gear table	56	F78A1	
35E	2C	44	0.34	Mult. vs. load 4th gear table	64	F78A1	
35F	40	64	0.50	Mult. vs. load 4th gear table	72	F78A1	
360	60	96	0.75	Mult. vs. load 4th gear table	80	F78A1	55
361	66	102	0.80	Mult. vs. load 4th gear table	88	F78A1	
362	66	102	0.80	Mult. vs. load 4th gear table	96	F78A1	
363	66	102	0.80	Mult. vs. load 4th gear table	104	F78A1	
364	6A	106	0.83	Mult. vs. load 4th gear table	112	F78A1	
365	74	116	0.91	Mult. vs. load 4th gear table	120	F78A1	
366	80	128	1.00	Mult. vs. load 4th gear table	128	F78A1	
367	0	0	0.00	Mult. vs. load 3rd gear table	32	F78B	
368	0	0	0.00	Mult. vs. load 3rd gear table	40	F78B	

369	40	64	0.50	Mult. vs. load 3rd gear table	48	F78B	
36A	40	64	0.50	Mult. vs. load 3rd gear table	56	F78B	
36B	40	64	0.50	Mult. vs. load 3rd gear table	64	F78B	
36C	46	70	0.55	Mult. vs. load 3rd gear table	72	F78B	
36D	4F	79	0.62	Mult. vs. load 3rd gear table	80	F78B	
36E	5A	90	0.70	Mult. vs. load 3rd gear table	88	F78B	
36F	66	102	0.80	Mult. vs. load 3rd gear table	96	F78B	
370	6D	109	0.85	Mult. vs. load 3rd gear table	104	F78B	56
371	73	115	0.90	Mult. vs. load 3rd gear table	112	F78B	
372	7A	122	0.95	Mult. vs. load 3rd gear table	120	F78B	
373	80	128	1.00	Mult. vs. load 3rd gear table	128	F78B	
374	55	85	213	engine run time before CCP allowed		(KCCPTM)	
375				"	sec	(KCCPTM)	
376	92	146		deg C coolant threshold for CCP enable	deg C	(KCCPTMP)	
377	3	3	1	Q value for filtering canister purge	%	(KCCPSLEW)	
378	0A	10	3.1	if MPH < cal, keep CCP off (upper)	mph	(KCPVST1)	
379	5	5	1.6	if MPH < cal, turn off CCP off (lower)	mph	(KCPVST2)	
37A	8	8	3	if TPS < cal, keep CCP off (purge off)	%tps	(KCCPTPSU)	
37B	5	5	2	if TPS < cal, turn CCP off (purge on)	%tps	(KCCPTPSL)	
37C	80	128	128	if LV8 > this, keep CCP off (purge off)	lv8	(KCCPLV8L)	
37D	87	135	135	if LV8 > this, turn CCP off (purge on)	lv8	(KCCPLV8U)	
37E	8	8		use 9 value table		F73A	
37F	0	0	0.0	CCP duty cycle table %DC	0 gm/sec	F73	
380	4D	77	30.2	CCP duty cycle table %DC	4	F73	57
381	54	84	32.9	CCP duty cycle table %DC	8	F73	
382	54	84	32.9	CCP duty cycle table %DC	12	F73	
383	54	84	32.9	CCP duty cycle table %DC	16	F73	
384	54	84	32.9	CCP duty cycle table %DC	20	F73	
385	59	89	34.9	CCP duty cycle table %DC	24	F73	
386	66	102	40.0	CCP duty cycle table %DC	28	F73	
387	80	128	50.2	CCP duty cycle table %DC	32	F73	
388	40	64		lag filter coefficient for nmph			
389	FF	255		tcc negative delta throttle pos. unlock limit			
38A	0	0		tcc delay before lock enabled after cond. met			
38B	0	0		positive delta tps unlock time		(KPDLY)	
38C	FF	255	6375	unlock prevention rpm threshold			
38D	2E	46		tcc delay before unlock override			
38E	E0	224		"			
38F	8	8	3%	if 3rd gear & tps < this remain unlocked	%tps		
390	1A	26	10%	if positive delta tps in 100msec >this remain unl for KPDLY			58
391	17	23	23	3rd Gear TCC lock mph	MPH	(KMNLCCKM)	
392	0	0	0	dont lock if tps >this (3rd gr unl cruz)			
393	12	18	7%	TCC unlock vs. TPS% 3rd gear lower limit	25	F43L1	
394	1A	26	10%	TCC unlock vs. TPS% 3rd gear lower limit	30	F43L1	
395	1C	28	11%	TCC unlock vs. TPS% 3rd gear lower limit	35	F43L1	
396	1F	31	12%	TCC unlock vs. TPS% 3rd gear lower limit	40	F43L1	
397	21	33	13%	TCC unlock vs. TPS% 3rd gear lower limit	45	F43L1	
398	24	36	14%	TCC unlock vs. TPS% 3rd gear lower limit	50	F43L1	
399	26	38	15%	TCC unlock vs. TPS% 3rd gear lower limit	55	F43L1	
39A	29	41	16%	TCC unlock vs. TPS% 3rd gear lower limit	60	F43L1	
39B	2E	46	18%	TCC unlock vs. TPS% 3rd gear lower limit	68	F43L1	
39C	33	51	20%	TCC unlock vs. TPS% 3rd gear lower limit	76	F43L1	
39D	40	64	25%	TCC unlock vs. TPS% 3rd gear lower limit	84	F43L1	
39E	5A	90	35%	TCC unlock vs. TPS% 3rd gear lower limit	92	F43L1	
39F	73	115	45%	TCC unlock vs. TPS% 3rd gear lower limit	100	F43L1	
3A0	73	115	45%	TCC unlock vs. TPS% 3rd gear lower limit	108	F43L1	59
3A1	73	115	45%	TCC unlock vs. TPS% 3rd gear lower limit	116	F43L1	
3A2	73	115	45%	TCC unlock vs. TPS% 3rd gear lower limit	124	F43L1	
3A3	8	8	3%	if high gear and TPS < this, remain unlocked		(KCOASTUW)	
3A4	1A	26	10%	if positive delta tps in 100msec >this remain unl for KPDLY			
3A5	27	39	39	4th Gear TCC lock	MPH	(KMNLCCKH)	
3A6	0	0	0	Dont lock if tps > this(highg,unl,cruz)			
3A7	0	0	0%	TCC unlock vs. TPS% 4th gear, lower limit	25	F44L1	
3A8	0	0	0%	TCC unlock vs. TPS% 4th gear, lower limit	30	F44L1	
3A9	1C	28	11%	TCC unlock vs. TPS% 4th gear, lower limit	35	F44L1	
3AA	26	38	15%	TCC unlock vs. TPS% 4th gear, lower limit	40	F44L1	
3AB	2E	46	18%	TCC unlock vs. TPS% 4th gear, lower limit	45	F44L1	
3AC	33	51	20%	TCC unlock vs. TPS% 4th gear, lower limit	50	F44L1	
3AD	38	56	22%	TCC unlock vs. TPS% 4th gear, lower limit	55	F44L1	
3AE	3D	61	24%	TCC unlock vs. TPS% 4th gear, lower limit	60	F44L1	
3AF	45	69	27%	TCC unlock vs. TPS% 4th gear, lower limit	68	F44L1	
3B0	4D	77	30%	TCC unlock vs. TPS% 4th gear, lower limit	76	F44L1	60
3B1	5A	90	35%	TCC unlock vs. TPS% 4th gear, lower limit	84	F44L1	
3B2	66	102	40%	TCC unlock vs. TPS% 4th gear, lower limit	92	F44L1	
3B3	73	115	45%	TCC unlock vs. TPS% 4th gear, lower limit	100	F44L1	
3B4	9A	154	60%	TCC unlock vs. TPS% 4th gear, lower limit	108	F44L1	
3B5	C0	192	75%	TCC unlock vs. TPS% 4th gear, lower limit	116	F44L1	
3B6	E6	230	90%	TCC unlock vs. TPS% 4th gear, lower limit	124	F44L1	
3B7	2	2	8%	Unlock TCC if tps < this (mid gear)			
3B8	1A	26	10%	if positive delta tps in 100msec >this remain unl for KPDLY			

3B9	28	40	40	3rd Gear TCC unlock	MPH	(KMNULCKM)	
3BA	0	0	0	Dont lock if tps > this(midg,lck,cruz)			
3BB	40	64	25%	TCC unlock vs. TPS% 3rd gear upper limit	25	F43U1	
3BC	4D	77	30%	TCC unlock vs. TPS% 3rd gear upper limit	30	F43U1	
3BD	4D	77	30%	TCC unlock vs. TPS% 3rd gear upper limit	35	F43U1	
3BE	4D	77	30%	TCC unlock vs. TPS% 3rd gear upper limit	40	F43U1	
3BF	4D	77	30%	TCC unlock vs. TPS% 3rd gear upper limit	45	F43U1	
3C0	5A	90	35%	TCC unlock vs. TPS% 3rd gear upper limit	50	F43U1	61
3C1	66	102	40%	TCC unlock vs. TPS% 3rd gear upper limit	55	F43U1	
3C2	66	102	40%	TCC unlock vs. TPS% 3rd gear upper limit	60	F43U1	
3C3	66	102	40%	TCC unlock vs. TPS% 3rd gear upper limit	68	F43U1	
3C4	80	128	50%	TCC unlock vs. TPS% 3rd gear upper limit	76	F43U1	
3C5	8D	141	55%	TCC unlock vs. TPS% 3rd gear upper limit	84	F43U1	
3C6	A6	166	65%	TCC unlock vs. TPS% 3rd gear upper limit	92	F43U1	
3C7	C0	192	75%	TCC unlock vs. TPS% 3rd gear upper limit	100	F43U1	
3C8	C0	192	75%	TCC unlock vs. TPS% 3rd gear upper limit	108	F43U1	
3C9	C0	192	75%	TCC unlock vs. TPS% 3rd gear upper limit	116	F43U1	
3CA	C0	192	75%	TCC unlock vs. TPS% 3rd gear upper limit	124	F43U1	
3CB	8	8	31%	Unlock TCC if tps < this (high gear)			
3CC	1A	26	10%	if positive delta tps in 100msec >this remain unl for KPDLY			
3CD	28	40	40	4th Gear TCC unlock	MPH	(KMNULCKH)	
3CE	0	0	0	Dont lock if tps > this(highg,lck,cruz)			
3CF	0	0	0%	TCC unlock vs. TPS% 4th gear, upper limit	25	F44U1	
3D0	0	0	0%	TCC unlock vs. TPS% 4th gear, upper limit	30	F44U1	62
3D1	66	102	40%	TCC unlock vs. TPS% 4th gear, upper limit	35	F44U1	
3D2	6E	110	43%	TCC unlock vs. TPS% 4th gear, upper limit	40	F44U1	
3D3	80	128	50%	TCC unlock vs. TPS% 4th gear, upper limit	45	F44U1	
3D4	80	128	50%	TCC unlock vs. TPS% 4th gear, upper limit	50	F44U1	
3D5	9A	154	60%	TCC unlock vs. TPS% 4th gear, upper limit	55	F44U1	
3D6	9A	154	60%	TCC unlock vs. TPS% 4th gear, upper limit	60	F44U1	
3D7	9A	154	60%	TCC unlock vs. TPS% 4th gear, upper limit	68	F44U1	
3D8	9A	154	60%	TCC unlock vs. TPS% 4th gear, upper limit	76	F44U1	
3D9	9A	154	60%	TCC unlock vs. TPS% 4th gear, upper limit	84	F44U1	
3DA	9A	154	60%	TCC unlock vs. TPS% 4th gear, upper limit	92	F44U1	
3DB	FF	255	100%	TCC unlock vs. TPS% 4th gear, upper limit	100	F44U1	
3DC	FF	255	100%	TCC unlock vs. TPS% 4th gear, upper limit	108	F44U1	
3DD	FF	255	100%	TCC unlock vs. TPS% 4th gear, upper limit	116	F44U1	
3DE	FF	255	100%	TCC unlock vs. TPS% 4th gear, upper limit	124	F44U1	
3DF	0	0	0.0	Unlock time (sec) vs. gear change	4 to 4	F432GR	
3E0	0	0	0.0	Unlock time (sec) vs. gear change	4 to 4	F432GR	63
3E1	2	2	0.2	Unlock time (sec) vs. gear change	4 to 3	F432GR	
3E2	0	0	0.0	Unlock time (sec) vs. gear change	4 to 2	F432GR	
3E3	0	0	0.0	Unlock time (sec) vs. gear change	4 to 4	F432GR	
3E4	0	0	0.0	Unlock time (sec) vs. gear change	4 to 4	F432GR	
3E5	2	2	0.2	Unlock time (sec) vs. gear change	4 to 3	F432GR	
3E6	0	0	0.0	Unlock time (sec) vs. gear change	4 to 2	F432GR	
3E7	0	0	0.0	Unlock time (sec) vs. gear change	3 to 4	F432GR	
3E8	0	0	0.0	Unlock time (sec) vs. gear change	3 to 4	F432GR	
3E9	0	0	0.0	Unlock time (sec) vs. gear change	3 to 3	F432GR	
3EA	2	2	0.2	Unlock time (sec) vs. gear change	3 to 2	F432GR	
3EB	0	0	0.0	Unlock time (sec) vs. gear change	2 to 4	F432GR	
3EC	0	0	0.0	Unlock time (sec) vs. gear change	2 to 4	F432GR	
3ED	10	16	1.6	Unlock time (sec) vs. gear change	2 to 3	F432GR	
3EE	0	0	0.0	Unlock time (sec) vs. gear change	2 to 2	F432GR	
3EF	92	146	153	TCC lock min temp	deg	KTCCTMP	
3F0	B0	176	92.0	Fan on temp.	DegF	197.6	64
3F1	AC	172	89.0	Fan off temp.	DegF	192.2	
3F2	A0	160	63%	Fan off vs. TPS%	%tps		
3F3	32	50	50	Fan off vs. Spd.mph	mph		
3F4	48	72	89	Throttle high - throttle low		K3	
3F5	18	24	9.4	minimum throttle position in %		K4	
3F6	0F	15	0.06	low throttle position filter coef.,N.D.		KTAOFF	
3F7	E8	232	0.906	Minor loop O2 sensor filter const. (0-1)		KADO2AF	
3F8	71	113	0.500	O2 filters' initialization value (volts)		KO2FFO	
3F9	20	32	0.125	NCT filter coef. (0-1)		KFILTNTCT	
3FA	10	16		air fuel option flag word 1 (%00010000,\$10,\$80)set bit 4		KFAOPT	
3FB	10	16		air fuel option flag word 2 (%00010000,\$08,\$10,\$40)set bit 4		KFAOPT2	
3FC	22	34		air fuel option flag word 3 (%00100010,\$02,\$10,\$20)set bits 1&5		KFAOPT3	
3FD	20	32	32	fan on when a/c on (20=yes, 0=no)		KFAOPT4	
3FE	0	0	0	air fuel option word- (FF=CCI, 0=wastegate)		KFAOPT5	
3FF	1	1	1	air fuel option word- (0=old C/L)		KFAOPT6	
400	8C	140	65	C/L timer, warm temp. thresh. (degC)	DegF	149	65
401	5	5	5	Warm C/L timer value (sec)		KT1A	
402				"			
403	08C	140	140	Cold C/L timer value (sec)		KT2A	
404				"			
405	56	86	24.5	Temp. thresh. for C/L determination (degC)	degF	76.1	
406	8C	140	28	O2 sensor not ready timer limit (sec)			
407	89	137	62.75	LC store enable low coolant level (degC)	degF	144.95	
408	C8	200	110	LC store enable high coolant level (degC)	degF	230	

409	1A	26	26	LV8 below which block learning is disabled		KLDLDL	
40A	0A	10	0.45	frequency of update (sec.)	sec	KBLMCNT	
40B	20	32	800	Block Learn Multiplier RPM Cell Boundry	rpm	KBLESB1	
40C	2C	44	1100	Block Learn Multiplier RPM Cell Boundry	rpm	KBLESB2	
40D	3C	60	1500	Block Learn Multiplier RPM Cell Boundry	rpm	KBLESB3	
40E	9	9	9	Block Learn Multiplier Flow Cell Boundry	gm/sec	KBLPMB1	
40F	14	20	20	Block Learn Multiplier Flow Cell Boundry	gm/sec	KBLPMB2	
410	1E	30	30	Block Learn Multiplier Flow Cell Boundry	gm/sec	KBLPMB3	66
411	3	3	75	Block Learn Multiplier RPM Histeresis (rpm unit)			
412	1	1	1	Block Learn Cell Flow Histeresis (flow units)			
413	8	8	8	C/L Integrator rich window value (units)		KLCITHR	
414	8	8	8	C/L Integrator lean window value (units)		KLCITHL	
415	1	1	0.01	Block Learn Modifier, value x 128		LBLMDELT	
416	96	150	150	max. allowable BLM	blm	KBLMMAX	
417	69	105	105	min. allowable BLM	blm	KBLMMIN	
418	92	146	69.5	If coolant < this, limit BLM to BLMMIN	degF	157.1	
419	88	136	0.602	C/L upper O2 threshold, O2 A/D units (volts)			
41A	44	68	0.301	C/L lower O2 threshold, O2 A/D units (volts)			
41B	68	104	0.460	O2 sensor R-L low threshold	volts	KCLOXTLO	
41C	98	152	0.673	O2 sensor R-L high threshold	volts	KCLOXTHI	
41D	70	112	0.496	O2 sensor R-L low threshold slow trim	volts	KSO2L	
41E	90	144	0.637	O2 sensor R-L high threshold slow trim	volts	KSO2U	
41F	68	104	0.813	O2 slow trim integrator delay factor	volts	KSTLGF	
420	26	38	15	C/L decel inlean LV8 thresh.	%	KCLDETHA	67
421	28	40	1000	C/L decel inlean RPM thresh.	rpm	KCLDEES	
422	1	1	1	Closed Loop negative integrator step (units)		KCLISNG	
423	1	1	1	Closed Loop positive integrator step (units)		KCLISPO	
424	64	100	100	Closed Loop correction minimum value (units)		KCORCLMN	
425	96	150	150	Closed Loop correction maximim value (units)		KCORCLMX	
426	8	8	3	Power Enrichment TPS hysteresis	%	KEHYS	
427	4	4		Fuel Air time out reduction freq. (sec)		KFATICT	
428	30	48	-4	max temp. for vaporization correction (degC)	degF	KVAPTMP	24.8
429	30	48	-4	max temp. for vaporization correction open loop	degF	KVAPTOL	24.8
42A	6F	111	14.76	Closed Loop A/F Ratio	a/fratio	KCLRATIO	
42B	6F	111	14.76	Highway mode A/F Ratio	a/fratio	KFAHM	
42C	6F	111	14.76	Low coolant O/L idle A/F ratio	a/fratio	KFAOL1	
42D	6F	111	14.76	High Coolant O/L idle A/F ratio	a/fratio	KFAOL2	
42E	1	1	0.31	Max vehicle speed for idle fuel mode	mph	KIDLFMPH	
42F	70	112	44	Coolant switch point for idle A/F ratios	deg F	KIDLFCLT	111.2
430	7A	122	122	Low window C/L idle fuel correction	units	KIDLCLCL	68
431	86	134	134	High window C/L idle fuel correction	units	KIDLCLCH	
432	1	1	0	minimum time to enable O/L idle fuel mode	sec	KIDLTIM	
433	0	0	0	rplscntr = this when in clear flood	counts	KCLRFPLS	
434	FF	255	255	rplscntr = this when run/norm trans.	counts	KNRUNPLS	
435	85	133	1.04	LV8 Scaler	mult.	KSVMSCAL	
436	48	72	0.281	Injector Constant (KINJCHAR)	sec/gram	28.2 lbs. flow	
437	28	40	40	MAF Base		KBC	
438	20	32	0.49	Minimum Base Pulse Width (msec)		KMINCTS	
439				"			
43A	20	32	0.49	Default Pulse Width for low calculated (msec)		KDEFPW	
43B				"			
43C	20	32	0.49	Min asynchronous pulse		KAPMIN	
43D				"			
43E	3E	62	1550	DFCO Upper RPM limit	rpm	KDFCOSPH	
43F	35	53	1325	DFCO Lower RPM limit	rpm	KDFCOSPL	
440	22	34	34	DFCO Lower LV8 limit		KDFCOLLA	69
441	34	52	52	DFCO Upper LV8 limit		KDFCOLHA	
442	8	8		RPM decrease to disable DFCO (rpm)			
443	28	40		DFCO mode time requirement (sec)			
444	5	5		DFCO throttle position threshold (%)			
445	78	120	50	minimum coolant temp for DFCO enable (degC)	degF		122
446	3	3	0.00	DFCO T/F TPS default (%tps)			
447	0	0	0.00	DFCO AE Pulse Width (msec)			
448				"			
449	0	0	0	Number of DFCO AE pulses (pulses)			
44A	320	800	10	minimum time between consecutive DFCO's			
44B		0		"			
44C	2	2	0.78125	If negative deltaTPS < this disable DE		(KDETPS)	
44D	2	2	2	If negative deltaLV8 < this disable DE		(KDELV8MN)	
44E	18	24	24	If delta LV8 <=cal, dont enable DE		(KDELV8TH)	
44F	9	9	9	Use KDEFAC1 if ref pulses < this (>=,FAC2)		(KDECNT1)	
450	64	100	100	Limit ref pulses in DE to this		(KDECNT2)	70
451	CD	205	0.80078	0-1 mult. of BPW in DE (cnts<KDECNT1)		(KDEFAC1)	
452	E6	230	0.89844	0-1 mult. of BPW in DE (decnts>=KDECNT1)		(KDEFAC2)	
453	C0	192	0.75	same as KDEFAC1 but with TCC locked		(KDEFAC3)	
454	DA	218	0.85156	same as KDEFAC2 but with TCC locked		(KDEFAC4)	
455	AA	170	AA	diagnostic prom test word 2			
456	0C	12	12	If mph < this disable DE			
457	4B	75	75	Minimum Air Flow for Boost Enrichment			
458	A0	160	160	LV8 THRES. for P/E		KLVWOT	



459	32	50	50	LV8 Hyst. for P/E			
45A	A6	166	65	Min TPS to override P/E LV8 check (%TPS)		KPETPS	
45B	6	6	0.3	Loops between transient filtering of LV8 (sec)			
45C	80	128	0.5	lv8 filter constant transient (coeff)			
45D	30	48	48	minimum delta lv8 for A.E. (cts)			
45E	10	16	16	initial value for transient lv8 filter (cts)			
45F	2	2	0.8	minimum delta tps for A.E. (%)			
460	F8	248	0.97	tps filter constant transient (coeff)			71
461	10	16	0.0625	tps transient filter coeff. for decel (coeff)			
462	3	3	1	negative tps limit befor A.E. disable (%tps)			
463	E0	224	5600	if rpm >= this, shut off fuel		KRPMHI	
464	D8	216	5400	if rpm < this, restore fuel		KRPMLO	
465	50	80		crank enleanment stuff			
466	40	64		"			
467	28	40	0.50	integrator delay vs flow (sec)	0	F21	
468	24	36	0.45	integrator delay vs flow (sec)	8	F21	
469	18	24	0.30	integrator delay vs flow (sec)	16	F21	
46A	14	20	0.25	integrator delay vs flow (sec)	24	F21	
46B	10	16	0.20	integrator delay vs flow (sec)	32	F21	
46C	0C	12	0.15	integrator delay vs flow (sec)	40	F21	
46D	0B	11	0.14	integrator delay vs flow (sec)	48	F21	
46E	0A	10	0.13	integrator delay vs flow (sec)	56	F21	
46F	9	9	0.11	integrator delay vs flow (sec)	64	F21	
470	7	7	0.03	filter coeff. vs. flow (sec)	0	F22	72
471	0F	15	0.06	filter coeff. vs. flow (sec)	8	F22	
472	12	18	0.07	filter coeff. vs. flow (sec)	16	F22	
473	1C	28	0.11	filter coeff. vs. flow (sec)	24	F22	
474	24	36	0.14	filter coeff. vs. flow (sec)	32	F22	
475	28	40	0.16	filter coeff. vs. flow (sec)	40	F22	
476	2C	44	0.17	filter coeff. vs. flow (sec)	48	F22	
477	2C	44	0.17	filter coeff. vs. flow (sec)	56	F22	
478	2C	44	0.17	filter coeff. vs. flow (sec)	64	F22	
479	8	8		use 9 value table			
47A	26	38	0.48	transport lag vs. flow (sec)	0	F23B	
47B	20	32	0.40	transport lag vs. flow (sec)	4	F23B	
47C	18	24	0.30	transport lag vs. flow (sec)	8	F23B	
47D	12	18	0.23	transport lag vs. flow (sec)	12	F23B	
47E	0E	14	0.18	transport lag vs. flow (sec)	16	F23B	
47F	0A	10	0.13	transport lag vs. flow (sec)	20	F23B	
480	8	8	0.10	transport lag vs. flow (sec)	24	F23B	73
481	7	7	0.09	transport lag vs. flow (sec)	28	F23B	
482	6	6	0.08	transport lag vs. flow (sec)	32	F23B	
483	8	8		use 9 value table			
484	0A	10	0.13	transport lag vs. rpm (sec)	0	F24A	
485	10	16	0.20	transport lag vs. rpm (sec)	400	F24A	
486	14	20	0.25	transport lag vs. rpm (sec)	800	F24A	
487	18	24	0.30	transport lag vs. rpm (sec)	1200	F24A	
488	20	32	0.40	transport lag vs. rpm (sec)	1600	F24A	
489	28	40	0.50	transport lag vs. rpm (sec)	2000	F24A	
48A	28	40	0.50	transport lag vs. rpm (sec)	2400	F24A	
48B	28	40	0.50	transport lag vs. rpm (sec)	2800	F24A	
48C	28	40	0.50	transport lag vs. rpm (sec)	3200	F24A	
48D	10	16		use 17 value table			
48E	0C	12	0.15	lean integrator delay vs. transport lag (sec)	0	F25L2	
48F	0C	12	0.15	lean integrator delay vs. transport lag (sec)	0.1	F25L2	
490	18	24	0.30	lean integrator delay vs. transport lag (sec)	0.2	F25L2	74
491	19	25	0.31	lean integrator delay vs. transport lag (sec)	0.3	F25L2	
492	1A	26	0.33	lean integrator delay vs. transport lag (sec)	0.4	F25L2	
493	1B	27	0.34	lean integrator delay vs. transport lag (sec)	0.5	F25L2	
494	1D	29	0.36	lean integrator delay vs. transport lag (sec)	0.6	F25L2	
495	1E	30	0.38	lean integrator delay vs. transport lag (sec)	0.7	F25L2	
496	20	32	0.40	lean integrator delay vs. transport lag (sec)	0.8	F25L2	
497	21	33	0.41	lean integrator delay vs. transport lag (sec)	0.9	F25L2	
498	22	34	0.43	lean integrator delay vs. transport lag (sec)	1	F25L2	
499	23	35	0.44	lean integrator delay vs. transport lag (sec)	1.1	F25L2	
49A	24	36	0.45	lean integrator delay vs. transport lag (sec)	1.2	F25L2	
49B	25	37	0.46	lean integrator delay vs. transport lag (sec)	1.3	F25L2	
49C	27	39	0.49	lean integrator delay vs. transport lag (sec)	1.4	F25L2	
49D	28	40	0.50	lean integrator delay vs. transport lag (sec)	1.5	F25L2	
49E	29	41	0.51	lean integrator delay vs. transport lag (sec)	1.6	F25L2	
49F	10	16		use 17 value table			
4A0	0C	12	0.15	rich integrator delay vs. transport lag (sec)	0	F25R2	75
4A1	0C	12	0.15	rich integrator delay vs. transport lag (sec)	0.1	F25R2	
4A2	18	24	0.30	rich integrator delay vs. transport lag (sec)	0.2	F25R2	
4A3	19	25	0.31	rich integrator delay vs. transport lag (sec)	0.3	F25R2	
4A4	1A	26	0.33	rich integrator delay vs. transport lag (sec)	0.4	F25R2	
4A5	1B	27	0.34	rich integrator delay vs. transport lag (sec)	0.5	F25R2	
4A6	1D	29	0.36	rich integrator delay vs. transport lag (sec)	0.6	F25R2	
4A7	1E	30	0.38	rich integrator delay vs. transport lag (sec)	0.7	F25R2	
4A8	20	32	0.40	rich integrator delay vs. transport lag (sec)	0.8	F25R2	

4A9	21	33	0.41	rich integrator delay vs. transport lag (sec)	0.9	F25R2	
4AA	22	34	0.43	rich integrator delay vs. transport lag (sec)	1	F25R2	
4AB	23	35	0.44	rich integrator delay vs. transport lag (sec)	1.1	F25R2	
4AC	24	36	0.45	rich integrator delay vs. transport lag (sec)	1.2	F25R2	
4AD	25	37	0.46	rich integrator delay vs. transport lag (sec)	1.3	F25R2	
4AE	27	39	0.49	rich integrator delay vs. transport lag (sec)	1.4	F25R2	
4AF	28	40	0.50	rich integrator delay vs. transport lag (sec)	1.5	F25R2	
4B0	29	41	0.51	rich integrator delay vs. transport lag (sec)	1.6	F25R2	76
4B1	88	88	88	integrator proportional term vs. block learn cell #	0	F27	
4B2	AA	AA	AA	integrator proportional term vs. block learn cell #	1	F27	
4B3	BB	BB	BB	integrator proportional term vs. block learn cell #	2	F27	
4B4	BB	BB	BB	integrator proportional term vs. block learn cell #	3	F27	
4B5	BB	BB	BB	integrator proportional term vs. block learn cell #	4	F27	
4B6	BB	BB	BB	integrator proportional term vs. block learn cell #	5	F27	
4B7	CC	CC	CC	integrator proportional term vs. block learn cell #	6	F27	
4B8	AA	AA	AA	integrator proportional term vs. block learn cell #	7	F27	
4B9	AA	AA	AA	integrator proportional term vs. block learn cell #	8	F27	
4BA	AA	AA	AA	integrator proportional term vs. block learn cell #	9	F27	
4BB	AA	AA	AA	integrator proportional term vs. block learn cell #	10	F27	
4BC	99	99	99	integrator proportional term vs. block learn cell #	11	F27	
4BD	CC	CC	CC	integrator proportional term vs. block learn cell #	12	F27	
4BE	CC	CC	CC	integrator proportional term vs. block learn cell #	13	F27	
4BF	CC	CC	CC	integrator proportional term vs. block learn cell #	14	F27	
4C0	CC	CC	CC	integrator proportional term vs. block learn cell #	15	F27	77
4C1	10	16		use 17 value table			
4C2	FF	255	7.77	Injector Offset vs Battery Voltage	0.0	F33B0	
4C3	FF	255	7.77	Injector Offset vs Battery Voltage	1.6	F33B0	
4C4	FF	255	7.77	Injector Offset vs Battery Voltage	3.2	F33B0	
4C5	FF	255	7.77	Injector Offset vs Battery Voltage	4.8	F33B0	
4C6	FF	255	7.77	Injector Offset vs Battery Voltage	6.4	F33B0	
4C7	6C	108	3.29	Injector Offset vs Battery Voltage	8.0	F33B0	
4C8	42	66	2.01	Injector Offset vs Battery Voltage	9.6	F33B0	
4C9	31	49	1.49	Injector Offset vs Battery Voltage	11.2	F33B0	
4CA	23	35	1.07	Injector Offset vs Battery Voltage	12.8	F33B0	
4CB	1B	27	0.82	Injector Offset vs Battery Voltage	14.4	F33B0	
4CC	15	21	0.64	Injector Offset vs Battery Voltage	16.0	F33B0	
4CD	0F	15	0.46	Injector Offset vs Battery Voltage	17.6	F33B0	
4CE	0F	15	0.46	Injector Offset vs Battery Voltage	19.2	F33B0	
4CF	0F	15	0.46	Injector Offset vs Battery Voltage	20.8	F33B0	
4D0	0F	15	0.46	Injector Offset vs Battery Voltage	22.4	F33B0	78
4D1	0F	15	0.46	Injector Offset vs Battery Voltage	24.0	F33B0	
4D2	0F	15	0.46	Injector Offset vs Battery Voltage	25.6	F33B0	
4D3	10	16		use 17 value table			
4D4	80	128	1.00	Pump Compensation vs. Battery Voltage	0.0	F33B1	
4D5	80	128	1.00	Pump Compensation vs. Battery Voltage	1.6	F33B1	
4D6	80	128	1.00	Pump Compensation vs. Battery Voltage	3.2	F33B1	
4D7	80	128	1.00	Pump Compensation vs. Battery Voltage	4.8	F33B1	
4D8	80	128	1.00	Pump Compensation vs. Battery Voltage	6.4	F33B1	
4D9	80	128	1.00	Pump Compensation vs. Battery Voltage	8.0	F33B1	
4DA	80	128	1.00	Pump Compensation vs. Battery Voltage	9.6	F33B1	
4DB	80	128	1.00	Pump Compensation vs. Battery Voltage	11.2	F33B1	
4DC	80	128	1.00	Pump Compensation vs. Battery Voltage	12.8	F33B1	
4DD	80	128	1.00	Pump Compensation vs. Battery Voltage	14.4	F33B1	
4DE	80	128	1.00	Pump Compensation vs. Battery Voltage	16.0	F33B1	
4DF	80	128	1.00	Pump Compensation vs. Battery Voltage	17.6	F33B1	
4E0	80	128	1.00	Pump Compensation vs. Battery Voltage	19.2	F33B1	79
4E1	80	128	1.00	Pump Compensation vs. Battery Voltage	20.8	F33B1	
4E2	80	128	1.00	Pump Compensation vs. Battery Voltage	22.4	F33B1	
4E3	80	128	1.00	Pump Compensation vs. Battery Voltage	24.0	F33B1	
4E4	80	128	1.00	Pump Compensation vs. Battery Voltage	25.6	F33B1	
4E5	10	16		use 17 value table			
4E6	0	0	0%	A/F vs. LV8 0% - 200% cold engine	0	F50D	
4E7	0	0	0%	A/F vs. LV8 0% - 200% cold engine	16	F50D	
4E8	0	0	0%	A/F vs. LV8 0% - 200% cold engine	32	F50D	
4E9	0	0	0%	A/F vs. LV8 0% - 200% cold engine	48	F50D	
4EA	0	0	0%	A/F vs. LV8 0% - 200% cold engine	64	F50D	
4EB	0	0	0%	A/F vs. LV8 0% - 200% cold engine	80	F50D	
4EC	0	0	0%	A/F vs. LV8 0% - 200% cold engine	96	F50D	
4ED	0	0	0%	A/F vs. LV8 0% - 200% cold engine	112	F50D	
4EE	0	0	0%	A/F vs. LV8 0% - 200% cold engine	128	F50D	
4EF	5	5	4%	A/F vs. LV8 0% - 200% cold engine	144	F50D	
4F0	0A	10	8%	A/F vs. LV8 0% - 200% cold engine	160	F50D	80
4F1	0A	10	8%	A/F vs. LV8 0% - 200% cold engine	176	F50D	
4F2	0A	10	8%	A/F vs. LV8 0% - 200% cold engine	192	F50D	
4F3	0A	10	8%	A/F vs. LV8 0% - 200% cold engine	208	F50D	
4F4	0A	10	8%	A/F vs. LV8 0% - 200% cold engine	224	F50D	
4F5	0A	10	8%	A/F vs. LV8 0% - 200% cold engine	240	F50D	
4F6	0A	10	8%	A/F vs. LV8 0% - 200% cold engine	256	F50D	
4F7	53	83	65%	air fuel timeout vs. coolant temp (%chnng)	-40	F51D	
4F8	50	80	63%	air fuel timeout vs. coolant temp (%chnng)	-28	F51D	

4F9	4B	75	59%	air fuel timeout vs. coolant temp (%chn)	-16	F51D	
4FA	39	57	45%	air fuel timeout vs. coolant temp (%chn)	-4	F51D	
4FB	37	55	43%	air fuel timeout vs. coolant temp (%chn)	8	F51D	
4FC	3F	63	49%	air fuel timeout vs. coolant temp (%chn)	20	F51D	
4FD	2D	45	35%	air fuel timeout vs. coolant temp (%chn)	32	F51D	
4FE	2D	45	35%	air fuel timeout vs. coolant temp (%chn)	44	F51D	
4FF	26	38	30%	air fuel timeout vs. coolant temp (%chn)	56	F51D	
500	20	32	25%	air fuel timeout vs. coolant temp (%chn)	68	F51D	81
501	0A	10	8%	air fuel timeout vs. coolant temp (%chn)	80	F51D	
502	6	6	5%	air fuel timeout vs. coolant temp (%chn)	92	F51D	
503	6	6	5%	air fuel timeout vs. coolant temp (%chn)	104	F51D	
504	13	19	15%	air fuel timeout vs. coolant temp (%chn)	116	F51D	
505	F0	240	0.938	timeout decay mult. vs. coolant temp. (mult)	-40	F52A	
506	F0	240	0.938	timeout decay mult. vs. coolant temp. (mult)	-28	F52A	
507	ED	237	0.926	timeout decay mult. vs. coolant temp. (mult)	-16	F52A	
508	EB	235	0.918	timeout decay mult. vs. coolant temp. (mult)	-4	F52A	
509	EB	235	0.918	timeout decay mult. vs. coolant temp. (mult)	8	F52A	
50A	EC	236	0.922	timeout decay mult. vs. coolant temp. (mult)	20	F52A	
50B	E6	230	0.898	timeout decay mult. vs. coolant temp. (mult)	32	F52A	
50C	F0	240	0.938	timeout decay mult. vs. coolant temp. (mult)	44	F52A	
50D	EB	235	0.918	timeout decay mult. vs. coolant temp. (mult)	56	F52A	
50E	E6	230	0.898	timeout decay mult. vs. coolant temp. (mult)	68	F52A	
50F	E6	230	0.898	timeout decay mult. vs. coolant temp. (mult)	80	F52A	
510	E6	230	0.898	timeout decay mult. vs. coolant temp. (mult)	92	F52A	82
511	E6	230	0.898	timeout decay mult. vs. coolant temp. (mult)	104	F52A	
512	E6	230	0.898	timeout decay mult. vs. coolant temp. (mult)	116	F52A	
513	64	100	20	timeout decay delay vs. coolant temp. (sec)	-40	F53A	
514	64	100	20	timeout decay delay vs. coolant temp. (sec)	-28	F53A	
515	64	100	20	timeout decay delay vs. coolant temp. (sec)	-16	F53A	
516	64	100	20	timeout decay delay vs. coolant temp. (sec)	-4	F53A	
517	5A	90	18	timeout decay delay vs. coolant temp. (sec)	8	F53A	
518	4B	75	15	timeout decay delay vs. coolant temp. (sec)	20	F53A	
519	64	100	20	timeout decay delay vs. coolant temp. (sec)	32	F53A	
51A	4B	75	15	timeout decay delay vs. coolant temp. (sec)	44	F53A	
51B	32	50	10	timeout decay delay vs. coolant temp. (sec)	56	F53A	
51C	0F	15	3	timeout decay delay vs. coolant temp. (sec)	68	F53A	
51D	0F	15	3	timeout decay delay vs. coolant temp. (sec)	80	F53A	
51E	0F	15	3	timeout decay delay vs. coolant temp. (sec)	92	F53A	
51F	0F	15	3	timeout decay delay vs. coolant temp. (sec)	104	F53A	
520	0F	15	3	timeout decay delay vs. coolant temp. (sec)	116	F53A	83
521	C6	198	55%	A/F vs TEMP (-100%to+100%)Cold engine	-40	F56D	
522	C6	198	55%	A/F vs TEMP (-100%to+100%)Cold engine	-14	F56D	
523	C3	195	52%	A/F vs TEMP (-100%to+100%)Cold engine	12	F56D	
524	AB	171	34%	A/F vs TEMP (-100%to+100%)Cold engine	39	F56D	
525	9A	154	20%	A/F vs TEMP (-100%to+100%)Cold engine	65	F56D	
526	93	147	15%	A/F vs TEMP (-100%to+100%)Cold engine	92	F56D	
527	8D	141	10%	A/F vs TEMP (-100%to+100%)Cold engine	118	F56D	
528	86	134	5%	A/F vs TEMP (-100%to+100%)Cold engine	145	F56D	
529	86	134	5%	A/F vs TEMP (-100%to+100%)Cold engine	171	F56D	
52A	84	132	3%	A/F vs TEMP (-100%to+100%)Cold engine	198	F56D	
52B	7D	125	-2%	A/F vs TEMP (-100%to+100%)Cold engine	224	F56D	
52C	7C	124	-3%	A/F vs TEMP (-100%to+100%)Cold engine	251	F56D	
52D	7D	125	-2%	A/F vs TEMP (-100%to+100%)Cold engine	277	F56D	
52E	84	132	3%	A/F vs TEMP (-100%to+100%)Cold engine	304	F56D	
52F	58	88	34.5%	PE TPS Thres. vs RPM 0 - 100%	400	F62	
530	40	64	25.1%	PE TPS Thres. vs RPM 0 - 100%	1200	F62	84
531	2E	46	18.0%	PE TPS Thres. vs RPM 0 - 100%	2000	F62	
532	1D	29	11.4%	PE TPS Thres. vs RPM 0 - 100%	3200	F62	
533	33	51	20.0%	PE TPS Thres. vs RPM 0 - 100%	4800	F62	
534	19	25		crank table scaler for max crank PW		(F64SCAL)	
535	9A	154	100	" " " " " " " "		"	
536	FF	255	99.6	crank fuel PW vs. coolant temp. (msec)	-40	F64C	
537	FF	255	99.6	crank fuel PW vs. coolant temp. (msec)	-28	F64C	
538	C8	200	78.1	crank fuel PW vs. coolant temp. (msec)	-16	F64C	
539	90	144	56.3	crank fuel PW vs. coolant temp. (msec)	-4	F64C	
53A	54	84	32.8	crank fuel PW vs. coolant temp. (msec)	8	F64C	
53B	30	48	18.8	crank fuel PW vs. coolant temp. (msec)	20	F64C	
53C	2A	42	16.4	crank fuel PW vs. coolant temp. (msec)	32	F64C	
53D	24	36	14.1	crank fuel PW vs. coolant temp. (msec)	44	F64C	
53E	1A	26	10.2	crank fuel PW vs. coolant temp. (msec)	56	F64C	
53F	14	20	7.8	crank fuel PW vs. coolant temp. (msec)	68	F64C	
540	10	16	6.3	crank fuel PW vs. coolant temp. (msec)	80	F64C	85
541	10	16	6.3	crank fuel PW vs. coolant temp. (msec)	92	F64C	
542	0E	14	5.5	crank fuel PW vs. coolant temp. (msec)	104	F64C	
543	0E	14	5.5	crank fuel PW vs. coolant temp. (msec)	116	F64C	
544	80	128	0.500	crank fuel PW mult. vs. reference pulses (mult)	0	F65A	
545	C0	192	0.750	crank fuel PW mult. vs. reference pulses (mult)	8	F65A	
546	A6	166	0.648	crank fuel PW mult. vs. reference pulses (mult)	16	F65A	
547	8C	140	0.547	crank fuel PW mult. vs. reference pulses (mult)	24	F65A	
548	72	114	0.445	crank fuel PW mult. vs. reference pulses (mult)	32	F65A	

549	58	88	0.344	crank fuel PW mult. vs. reference pulses (mult)	40	F65A	
54A	40	64	0.250	crank fuel PW mult. vs. reference pulses (mult)	48	F65A	
54B	40	64	0.250	crank fuel PW mult. vs. reference pulses (mult)	56	F65A	
54C	40	64	0.250	crank fuel PW mult. vs. reference pulses (mult)	64	F65A	
54D	40	64	0.250	crank fuel PW mult. vs. reference pulses (mult)	72	F65A	
54E	40	64	0.250	crank fuel PW mult. vs. reference pulses (mult)	80	F65A	
54F	72	114	0.445	crank fuel PW mult. vs. reference pulses (mult)	88	F65A	
550	72	114	0.445	crank fuel PW mult. vs. reference pulses (mult)	96	F65A	86
551	72	114	0.445	crank fuel PW mult. vs. reference pulses (mult)	104	F65A	
552	72	114	0.445	crank fuel PW mult. vs. reference pulses (mult)	112	F65A	
553	72	114	0.445	crank fuel PW mult. vs. reference pulses (mult)	120	F65A	
554	72	114	0.445	crank fuel PW mult. vs. reference pulses (mult)	128	F65A	
555	8	8		use 9 value table			
556	80	128	1.00	crank fuel PW mult. vs. TPS (mult 0-2)	0 %tps	F66	
557	80	128	1.00	crank fuel PW mult. vs. TPS (mult 0-2)	11	F66	
558	80	128	1.00	crank fuel PW mult. vs. TPS (mult 0-2)	12.5	F66	
559	8A	138	1.08	crank fuel PW mult. vs. TPS (mult 0-2)	25	F66	
55A	8A	138	1.08	crank fuel PW mult. vs. TPS (mult 0-2)	37.5	F66	
55B	96	150	1.17	crank fuel PW mult. vs. TPS (mult 0-2)	50	F66	
55C	0	0	0.00	crank fuel PW mult. vs. TPS (mult 0-2)	62.5	F66	
55D	0	0	0.00	crank fuel PW mult. vs. TPS (mult 0-2)	75	F66	
55E	80	128	1.00	crank fuel PW mult. vs. TPS (mult 0-2)	87.5	F66	
55F	4	4	0.03	crank fuel PW mult. vs. TPS (mult 0-2)	100	F66	
560	98	152	10.78	P/E A/F vs coolant temp	-40	F67A	87
561	8B	139	11.79	P/E A/F vs coolant temp	46	F67A	
562	75	117	14.00	P/E A/F vs coolant temp	132	F67A	
563	75	117	14.00	P/E A/F vs coolant temp	218	F67A	
564	75	117	14.00	P/E A/F vs coolant temp	304	F67A	
565	80	128	1.00	FAPE multiplier vs time in P/E (0 - 2)	0.0sec	F67MUL	
566	80	128	1.00	FAPE multiplier vs time in P/E (0 - 2)	4.2sec	F67MUL	
567	80	128	1.00	FAPE multiplier vs time in P/E (0 - 2)	6.4sec	F67MUL	
568	88	136	1.06	FAPE multiplier vs time in P/E (0 - 2)	9.6sec	F67MUL	
569	90	144	1.13	FAPE multiplier vs time in P/E (0 - 2)	12.8sec	F67MUL	
56A	94	148	1.16	FAPE multiplier vs time in P/E (0 - 2)	16.0sec	F67MUL	
56B	98	152	1.19	FAPE multiplier vs time in P/E (0 - 2)	19.2sec	F67MUL	
56C	9C	156	1.22	FAPE multiplier vs time in P/E (0 - 2)	22.4sec	F67MUL	
56D	A0	160	1.25	FAPE multiplier vs time in P/E (0 - 2)	25.6sec	F67MUL	
56E	78	120	-6%	PE Fuel Trim vs RPM (-100%to+100%)	800rpm	F68	
56F	80	128	0%	PE Fuel Trim vs RPM (-100%to+100%)	1600rpm	F68	
570	96	150	17%	PE Fuel Trim vs RPM (-100%to+100%)	2400rpm	F68	88
571	86	134	5%	PE Fuel Trim vs RPM (-100%to+100%)	3200rpm	F68	
572	80	128	0%	PE Fuel Trim vs RPM (-100%to+100%)	4000rpm	F68	
573	80	128	0%	PE Fuel Trim vs RPM (-100%to+100%)	4800rpm	F68	
574	80	128	0%	PE Fuel Trim vs RPM (-100%to+100%)	5600rpm	F68	
575	80	128	0%	PE Fuel Trim vs RPM (-100%to+100%)	6400rpm	F68	
576	0	0	0%	PE Fuel Trim vs TPS (0% - 200%)	0%tps	F69	
577	6	6	5%	PE Fuel Trim vs TPS (0% - 200%)	13%tps	F69	
578	6	6	5%	PE Fuel Trim vs TPS (0% - 200%)	25%tps	F69	
579	10	16	13%	PE Fuel Trim vs TPS (0% - 200%)	38%tps	F69	
57A	14	20	16%	PE Fuel Trim vs TPS (0% - 200%)	50%tps	F69	
57B	16	22	17%	PE Fuel Trim vs TPS (0% - 200%)	63%tps	F69	
57C	18	24	19%	PE Fuel Trim vs TPS (0% - 200%)	75%tps	F69	
57D	18	24	19%	PE Fuel Trim vs TPS (0% - 200%)	88%tps	F69	
57E	18	24	19%	PE Fuel Trim vs TPS (0% - 200%)	100%tps	F69	
57F	4	4		use 5 value table			
580	0C	12	0.05	lv8 A.E. factor vs. delta lv8 above minimum (mult)	0delta1v8	F90	89
581	0C	12	0.05	lv8 A.E. factor vs. delta lv8 above minimum (mult)	64	F90	
582	0C	12	0.05	lv8 A.E. factor vs. delta lv8 above minimum (mult)	128	F90	
583	0	0	0.00	lv8 A.E. factor vs. delta lv8 above minimum (mult)	192	F90	
584	0	0	0.00	lv8 A.E. factor vs. delta lv8 above minimum (mult)	256	F90	
585	8	8		use 9 value table			
586	0A	10	0.08	lv8 A.E. coolant mult. vs coolant temp (mult)	-40	F91A	
587	9	9	0.07	lv8 A.E. coolant mult. vs coolant temp (mult)	-16	F91A	
588	8	8	0.06	lv8 A.E. coolant mult. vs coolant temp (mult)	8	F91A	
589	7	7	0.05	lv8 A.E. coolant mult. vs coolant temp (mult)	32	F91A	
58A	6	6	0.05	lv8 A.E. coolant mult. vs coolant temp (mult)	56	F91A	
58B	5	5	0.04	lv8 A.E. coolant mult. vs coolant temp (mult)	80	F91A	
58C	4	4	0.03	lv8 A.E. coolant mult. vs coolant temp (mult)	104	F91A	
58D	3	3	0.02	lv8 A.E. coolant mult. vs coolant temp (mult)	128	F91A	
58E	3	3	0.02	lv8 A.E. coolant mult. vs coolant temp (mult)	152	F91A	
58F	8	8		use 9 value table			
590	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	-40	F92A	90
591	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	-16	F92A	
592	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	8	F92A	
593	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	32	F92A	
594	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	56	F92A	
595	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	80	F92A	
596	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	104	F92A	
597	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	128	F92A	
598	4	4	1.6	A.E. decay rate factor vs. coolant (%chng)	152	F92A	

599	0F	15	0.229	low pw injector offset vs. base pw (msec)	0.488	F94	
59A	0E	14	0.214	low pw injector offset vs. base pw	0.732	F94	
59B	0D	13	0.198	low pw injector offset vs. base pw	0.976	F94	
59C	0C	12	0.183	low pw injector offset vs. base pw	1.22	F94	
59D	0B	11	0.168	low pw injector offset vs. base pw	1.46	F94	
59E	0A	10	0.153	low pw injector offset vs. base pw	1.708	F94	
59F	9	9	0.137	low pw injector offset vs. base pw	1.95	F94	
5A0	8	8	0.122	low pw injector offset vs. base pw	2.197	F94	91
5A1	7	7	0.107	low pw injector offset vs. base pw	2.44	F94	
5A2	6	6	0.092	low pw injector offset vs. base pw	2.685	F94	
5A3	5	5	0.076	low pw injector offset vs. base pw	2.929	F94	
5A4	4	4	0.061	low pw injector offset vs. base pw	3.17	F94	
5A5	3	3	0.046	low pw injector offset vs. base pw	3.41	F94	
5A6	2	2	0.031	low pw injector offset vs. base pw	3.66	F94	
5A7	1	1	0.015	low pw injector offset vs. base pw	3.9	F94	
5A8	8	8		use 9 value table			
5A9	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	-40	F95B	
5AA	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	-16	F95B	
5AB	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	8	F95B	
5AC	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	32	F95B	
5AD	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	56	F95B	
5AE	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	80	F95B	
5AF	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	104	F95B	
5B0	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	128	F95B	92
5B1	B0	176	0.688	delta tps A.E. decay rate mult. vs. coolant temp.	152	F95B	
5B2	8	8		use 9 value table			
5B3	0A	10	0.039	delta tps A.E. pulse width mult. vs. coolant temp.	-40	F96B	
5B4	9	9	0.035	delta tps A.E. pulse width mult. vs. coolant temp.	-16	F96B	
5B5	8	8	0.031	delta tps A.E. pulse width mult. vs. coolant temp.	8	F96B	
5B6	7	7	0.027	delta tps A.E. pulse width mult. vs. coolant temp.	32	F96B	
5B7	6	6	0.023	delta tps A.E. pulse width mult. vs. coolant temp.	56	F96B	
5B8	5	5	0.020	delta tps A.E. pulse width mult. vs. coolant temp.	80	F96B	
5B9	4	4	0.016	delta tps A.E. pulse width mult. vs. coolant temp.	104	F96B	
5BA	3	3	0.012	delta tps A.E. pulse width mult. vs. coolant temp.	128	F96B	
5BB	3	3	0.012	delta tps A.E. pulse width mult. vs. coolant temp.	152	F96B	
5BC	1	1	1.000	AE MaxPulse Width Scaler (0 - 2)	mult.	F97SCAL	
5BD	70	112	1.709	AE Max Pulse Width vs Coolant	-40	F97A	
5BE	68	104	1.587	AE Max Pulse Width vs Coolant	-28	F97A	
5BF	60	96	1.465	AE Max Pulse Width vs Coolant	-16	F97A	
5C0	58	88	1.343	AE Max Pulse Width vs Coolant	-4	F97A	93
5C1	52	82	1.251	AE Max Pulse Width vs Coolant	8	F97A	
5C2	4F	79	1.205	AE Max Pulse Width vs Coolant	20	F97A	
5C3	4D	77	1.175	AE Max Pulse Width vs Coolant	32	F97A	
5C4	4B	75	1.144	AE Max Pulse Width vs Coolant	44	F97A	
5C5	4A	74	1.129	AE Max Pulse Width vs Coolant	56	F97A	
5C6	49	73	1.114	AE Max Pulse Width vs Coolant	68	F97A	
5C7	48	72	1.099	AE Max Pulse Width vs Coolant	80	F97A	
5C8	47	71	1.083	AE Max Pulse Width vs Coolant	92	F97A	
5C9	46	70	1.068	AE Max Pulse Width vs Coolant	104	F97A	
5CA	45	69	1.053	AE Max Pulse Width vs Coolant	116	F97A	
5CB	43	67	1.022	AE Max Pulse Width vs Coolant	128	F97A	
5CC	41	65	0.992	AE Max Pulse Width vs Coolant	140	F97A	
5CD	40	64	0.977	AE Max Pulse Width vs Coolant	152	F97A	
5CE	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	0	F98	
5CF	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	6.25	F98	
5D0	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	12.5	F98	94
5D1	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	18.75	F98	
5D2	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	25	F98	
5D3	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	31.25	F98	
5D4	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	37.5	F98	
5D5	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	43.75	F98	
5D6	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	50	F98	
5D7	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	56.25	F98	
5D8	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	62.5	F98	
5D9	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	68.75	F98	
5DA	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	75	F98	
5DB	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	81.25	F98	
5DC	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	87.5	F98	
5DD	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	93.75	F98	
5DE	80	128	1.00	delta tps A.E. scaler of max A.E. pulse width	100	F98	
5DF	0	0	0.00	max delta tps A.E. mult. vs. engine run time (mult)	0 sec	F99	
5E0	80	128	1.00	max delta tps A.E. mult. vs. engine run time (mult)	8	F99	95
5E1	8F	143	1.12	max delta tps A.E. mult. vs. engine run time (mult)	16	F99	
5E2	8C	140	1.09	max delta tps A.E. mult. vs. engine run time (mult)	24	F99	
5E3	8C	140	1.09	max delta tps A.E. mult. vs. engine run time (mult)	32	F99	
5E4	84	132	1.03	max delta tps A.E. mult. vs. engine run time (mult)	40	F99	
5E5	84	132	1.03	max delta tps A.E. mult. vs. engine run time (mult)	48	F99	
5E6	82	130	1.02	max delta tps A.E. mult. vs. engine run time (mult)	56	F99	
5E7	80	128	1.00	max delta tps A.E. mult. vs. engine run time (mult)	64	F99	
5E8	10	16		use 17 value table			



5E9	FF	255	0.996	crank enleanment table (scaler)	0	F64RSCAL	
5EA	FF	255	0.996	crank enleanment table (scaler)	50	F64RSCAL	
5EB	FF	255	0.996	crank enleanment table (scaler)	100	F64RSCAL	
5EC	FF	255	0.996	crank enleanment table (scaler)	150	F64RSCAL	
5ED	F3	243	0.949	crank enleanment table (scaler)	200	F64RSCAL	
5EE	E6	230	0.898	crank enleanment table (scaler)	250	F64RSCAL	
5EF	DA	218	0.852	crank enleanment table (scaler)	300	F64RSCAL	
5F0	CD	205	0.801	crank enleanment table (scaler)	350	F64RSCAL	96
5F1	C0	192	0.750	crank enleanment table (scaler)	400	F64RSCAL	
5F2	B3	179	0.699	crank enleanment table (scaler)	450	F64RSCAL	
5F3	A6	166	0.648	crank enleanment table (scaler)	500	F64RSCAL	
5F4	9A	154	0.602	crank enleanment table (scaler)	550	F64RSCAL	
5F5	80	128	0.500	crank enleanment table (scaler)	600	F64RSCAL	
5F6	80	128	0.500	crank enleanment table (scaler)	650	F64RSCAL	
5F7	80	128	0.500	crank enleanment table (scaler)	700	F64RSCAL	
5F8	80	128	0.500	crank enleanment table (scaler)	750	F64RSCAL	
5F9	80	128	0.500	crank enleanment table (scaler)	800	F64RSCAL	
5FA	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	0 cell	FBLMMIN	
5FB	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	1	FBLMMIN	
5FC	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	2	FBLMMIN	
5FD	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	3	FBLMMIN	
5FE	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	4	FBLMMIN	
5FF	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	5	FBLMMIN	
600	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	6	FBLMMIN	97
601	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	7	FBLMMIN	
602	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	8	FBLMMIN	
603	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	9	FBLMMIN	
604	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	10	FBLMMIN	
605	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	11	FBLMMIN	
606	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	12	FBLMMIN	
607	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	13	FBLMMIN	
608	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	14	FBLMMIN	
609	73	115	115	Block Learn Minimums, cells 0 - 15, when cold	15	FBLMMIN	
60A	0	0		dis transmit table "addr" 2 (MW2 is first byte sent)		KDISTBL1	
60B	83	131	\$0083	"		KDISTBL1	
60C	0	0		dis transmit table "addr" 3		KDISTBL1	
60D	84	132	\$0084	"		KDISTBL1	
60E	0	0		dis transmit table "addr" 4		KDISTBL1	
60F	FC	252	\$00FC	"		KDISTBL1	
610	0	0		dis transmit table "addr" 5		KDISTBL1	98
611	21	33	\$0021	"		KDISTBL1	
612	0	0		dis transmit table "addr" 6		KDISTBL1	
613	26	38	\$0026	"		KDISTBL1	
614	0	0		dis transmit table "addr" 7		KDISTBL1	
615	23	35	\$0023	"		KDISTBL1	
616	0	0		dis transmit table "addr" 8		KDISTBL1	
617	19	25	\$0019	"		KDISTBL1	
618	0	0		dis transmit table "addr" 9		KDISTBL1	
619	15	21	\$0015	"		KDISTBL1	
61A	0	0		dis transmit table "addr" 10		KDISTBL1	
61B	88	136	\$0088	"		KDISTBL1	
61C	0	0		dis transmit table "addr" 11		KDISTBL1	
61D	30	48	\$0030	"		KDISTBL1	
61E	0	0		dis transmit table "addr" 12		KDISTBL1	
61F	E3	227	\$00E3	"		KDISTBL1	
620	0	0		dis transmit table "addr" 13		KDISTBL1	99
621	E4	228	\$00E4	"		KDISTBL1	
622	0	0		dis transmit table "addr" 14		KDISTBL1	
623	E5	229	\$00E5	"		KDISTBL1	
624	0	0		dis transmit table "addr" 15		KDISTBL1	
625	0C	12	\$000C	"		KDISTBL1	
626	0	0		alcl tranmit table "addr" 16		KDISTBL3	
627	7E	126	\$007E	"		KDISTBL3	
628	0	0		alcl tranmit table "addr" 17		KDISTBL3	
629	3	3	\$0003	"		KDISTBL3	
62A	0	0		alcl tranmit table "addr" 18		KDISTBL3	
62B	5E	94	\$005E	"		KDISTBL3	
62C	0	0		alcl tranmit table "addr" 19		KDISTBL3	
62D	81	129	\$0081	"		KDISTBL3	
62E	0	0		alcl tranmit table "addr" 20		KDISTBL3	
62F	B2	178	\$00B2	"		KDISTBL3	
630	0	0		alcl tranmit table "addr" 21		KDISTBL3	100
631	5B	91	\$005B	"		KDISTBL3	
632	0	0		alcl tranmit table "addr" 22		KDISTBL3	
633	CC	204	\$00CC	"		KDISTBL3	
634	0	0		alcl tranmit table "addr" 23		KDISTBL3	
635	14	20	\$0014	"		KDISTBL3	
636	0	0		alcl tranmit table "addr" 24		KDISTBL3	
637	9	9	\$0009	"		KDISTBL3	
638	0	0		alcl tranmit table "addr" 25		KDISTBL3	



639	CE	206	\$00CE	"		KDISTBL3	
63A	0	0		alcl tranmit table "addr" 16A		KDISTBL3	
63B	7E	126	\$007E	"		KDISTBL3	
63C	0	0		alcl tranmit table "addr" 17A		KDISTBL3	
63D	3	3	\$0003	"		KDISTBL3	
63E	0	0		alcl tranmit table "addr" 18A		KDISTBL3	
63F	5E	94	\$005E	"		KDISTBL3	
640	0	0		alcl tranmit table "addr" 19A		KDISTBL3	101
641	81	129	\$0081	"		KDISTBL3	
642	0	0		alcl tranmit table "addr" 20A		KDISTBL3	
643	B2	178	\$00B2	"		KDISTBL3	
644	0	0		alcl tranmit table "addr" 21A		KDISTBL3	
645	62	98	\$0062	"		KDISTBL3	
646	0	0		alcl tranmit table "addr" 22A		KDISTBL3	
647	14	20	\$0014	"		KDISTBL3	
648	0	0		alcl tranmit table "addr" 23A		KDISTBL3	
649	35	53	\$0035	"		KDISTBL3	
64A	0	0		alcl tranmit table "addr" 24A		KDISTBL3	
64B	E8	232	\$00E8	"		KDISTBL3	
64C	0	0		alcl tranmit table "addr" 25A		KDISTBL3	
64D	CC	204	\$00CC	"		KDISTBL3	
64E	40	64	0.25	iac rpm/12.5 filter constant		KRPM125F	
64F	96	150	150	iac idle speed park start up position		KISPKSP	
650	80	128	800	iac idle speed start up delay (msec)		KISSUDL	102
651	0	0	0	iac command speed offset with A/C on (rpm)		KISACON	
652	4	4	50	rpm offset from command for high coolant (rpm)		KISCLTHI	
653	9D	157		if coolant <= this disable hot offset (deg C)		KISCLTLM	
654	5	5	5	if mph >= this, disable hot offset (mph)		KISMPHLM	
655	35	53	53	if eruntime >= this, disable hot offset (sec)		KISCLTTM	
656				"			
657	1	1	13	max command speed change per 50 msec (rpm)			
658	58	88	1100	Drive Idle table vs. cooant temp.	-40	F17A	
659	58	88	1100	Drive Idle table vs. cooant temp.	-19	F17A	
65A	58	88	1100	Drive Idle table vs. cooant temp.	3	F17A	
65B	50	80	1000	Drive Idle table vs. cooant temp.	24	F17A	
65C	50	80	1000	Drive Idle table vs. cooant temp.	46	F17A	
65D	50	80	1000	Drive Idle table vs. cooant temp.	67	F17A	
65E	3C	60	750	Drive Idle table vs. cooant temp.	89	F17A	
65F	3C	60	750	Drive Idle table vs. cooant temp.	110	F17A	
660	38	56	700	Drive Idle table vs. cooant temp.	132	F17A	103
661	38	56	700	Drive Idle table vs. cooant temp.	153	F17A	
662	38	56	700	Drive Idle table vs. cooant temp.	175	F17A	
663	38	56	700	Drive Idle table vs. cooant temp.	196	F17A	
664	38	56	700	Drive Idle table vs. cooant temp.	218	F17A	
665	38	56	700	Drive Idle table vs. cooant temp.	231	F17A	
666	38	56	700	Drive Idle table vs. cooant temp.	261	F17A	
667	38	56	700	Drive Idle table vs. cooant temp.	282	F17A	
668	38	56	700	Drive Idle table vs. cooant temp.	304	F17A	
669	68	104	1300	Park/Neutral Idle table vs. cooant temp.	-40	F19A	
66A	68	104	1300	Park/Neutral Idle table vs. cooant temp.	-19	F19A	
66B	68	104	1300	Park/Neutral Idle table vs. cooant temp.	3	F19A	
66C	68	104	1300	Park/Neutral Idle table vs. cooant temp.	24	F19A	
66D	64	100	1250	Park/Neutral Idle table vs. cooant temp.	46	F19A	
66E	5C	92	1150	Park/Neutral Idle table vs. cooant temp.	67	F19A	
66F	48	72	900	Park/Neutral Idle table vs. cooant temp.	89	F19A	
670	42	66	825	Park/Neutral Idle table vs. cooant temp.	110	F19A	104
671	42	66	825	Park/Neutral Idle table vs. cooant temp.	132	F19A	
672	40	64	800	Park/Neutral Idle table vs. cooant temp.	153	F19A	
673	3E	62	775	Park/Neutral Idle table vs. cooant temp.	175	F19A	
674	3E	62	775	Park/Neutral Idle table vs. cooant temp.	196	F19A	
675	3E	62	775	Park/Neutral Idle table vs. cooant temp.	218	F19A	
676	3E	62	775	Park/Neutral Idle table vs. cooant temp.	231	F19A	
677	3E	62	775	Park/Neutral Idle table vs. cooant temp.	261	F19A	
678	3E	62	775	Park/Neutral Idle table vs. cooant temp.	282	F19A	
679	3E	62	775	Park/Neutral Idle table vs. cooant temp.	304	F19A	
67A	4	4	50	idle speed engine speed error DB in drive(rpm)		KISESDD	
67B	4	4	50	idle speed engine speed error DB in neut/park(rpm)		KISESDN	
67C	5	5	62.5	idle speed DB for A/C and min. motor pos.(rpm)		KISACLD	
67D	4	4	1.5625	isc t.a. thresh below which isc is enabled (%tps)		KISTATH	
67E	0C	12	3.75	vehicle speed thresh for the pid enable (mph)		KISVSTH	
67F	2	2	25	rpm error underspeed thresh. needed before enabling the pid regulator		KISRETH	
680	70	112	0.035	isc underspeed error gain; steps/rpm (steps)		KISERGN	105
681	20	32	0.01	isc overspeed error ganin; steps/rpm (steps)		KISERGP	
682	FF	255	3187.5	idle speed high negative error thresh. rpm (rpm)		KISERTH	
683	0	0	0	idle speed high negative error gain; steps/rpm (rpm)		KISERHN	
684	14	20	0.005	rpm rate (NDOT) low neg rate gain steps (rpm)		KISNDGN	
685	14	20	0.005	rpm rate (NDOT) low pos rate gain steps (rpm)		KISNDGP	
686	28	40	62.5	engine speed rate thresh. above which high rate		KISNDTH	
687	0	0	0	rpm rate (NDOT) high neg rate gain steps (rpm)		KISNDHN	
688	5	5	62.5	rpm error underspeed thresh. needed for enable		KISNDET	

689	14	20	0.00063	int. gain for steady state error, integrator in neutral; steps (rpm/sec)		KISITGN	
68A	18	24	0.00075	int. gain for steady state error, integrator in drive; steps (rpm/sec)		KISITGD	
68B	8	8	125	idle speed rate (ndot) drive integ. Thresh (rpm/sec)		KISNDED	
68C	8	8	125	idle speed rate (ndot) neut. integ. Thresh (rpm/sec)		KISNDEN	
68D	35	53	0.20703	isc park/neut scaler gain (neut. Steps) / (drive step)		KISPNGN	
68E	6	6	37.5	idle speed minimum number of loops per drive decay step (msec)		KISMPSD	
68F	6	6	37.5	idle speed minimum number of loops per neut. Decay step (msec)		KISMPSN	
690	1A	26	162.5	idle speed max. no. of loops per decay step in open loop mode.		KISCODM	106
691	80	128	2.56	idle speed throttle follower slope gain (steps/(percent tps))		KISTFGN	
692	33	51	51	idle speed throttle follower max steps in drive		KISTFMX	
693	B1	177	0.69141	idle speed throttle follower park/neut. Scaler		KISTFPN	
694	2C	44	44	idle speed A/C compensation default steps		KISACDS	
695	50	80	80	idle speed A/C compensation max number of steps		KISACMX	
696	5	5	5	idle speed A/C compensation min number of steps		KISACMN	
697	0A	10	500	idle speed engine speed in deadband (no of pid cycles in d.b.)		KISACLE	
698	AA	170	1.32813	inverse throttle follower P/N gain (drive steps) / (neut. Step)		KISINTP	
699	40	64	0.25	quantizer gain to convert algorithm op to linear motor gains to stepper		KISQUGN	
69A	4	4	4	idle speed inverse quantizer gain		KISINQU	
69B	B3	179	70	throttle pos. A/C disable thresh. (%tps)		KPIDACDT	
69C	4	4	0.4	A/C delay time before engaging the clutch (sec)		KPIDACTR	
69D	28	40	2000	open loop to closed loop enable (msec)		KISOLDY	
69E	1E	30	1500	throttle follower to pid enable (msec)		KISTFDY	
69F	20	32	1600	psps cramp pid-enable delay time (msec)		KISTPSD	
6A0	20	32	1600	drive to neut. Shift to pid-enable delay time (msec)		KISDNDY	107
6A1	10	16	800	neut to drive shift to pid-enable delay time (msec)		KISNDDY	
6A2	35	53	0.0017	integ low neut gain for tight speed control steps/(rpm-sec)		KISITLN	
6A3	30	48	0.0015	integ low drive gain for tight speed control steps/(rpm-sec)		KISITLD	
6A4	0	0	0	integ rpm error for low gain disable and clearing of the integral		KISITLT	
6A5	AF	175	175	max step motor position possible, worst case value: steps from orifice		KISMXSP	
6A6	0	0		if runtime > this enable motor reset		KRUNRST	
6A7	0A	10	10	"			
6A8	28	40	625	rpm rate deadband for derivative feedback term: rpm/sec		KISNDDB	
6A9	0	0	0	power steering anticipate correction		KISPSAN	
6AA	0	0	0	power steering anticipate steps ac on		KISPAAN	
6AB	0	0	0	manual vehicle option flag		KISMAN	
6AC	0A	10	10	throttle follower offset for a manual veh., if the vehicle is moving		KISMANOF	
6AD	0	0		length of time for hot spark retard, sec		KISHRTIM	
6AE	0	0	0	"			
6AF	0	0	0	rpm offset from cammand for hot spark retard		KISESHRO	
6B0	8	8		use 9 value table	degC		108
6B1	96	150	150	warm park position vs. start-up coolant temp. (steps)	-40	F16B	
6B2	96	150	150	warm park position vs. start-up coolant temp. (steps)	-16	F16B	
6B3	96	150	150	warm park position vs. start-up coolant temp. (steps)	8	F16B	
6B4	96	150	150	warm park position vs. start-up coolant temp. (steps)	32	F16B	
6B5	4B	75	75	warm park position vs. start-up coolant temp. (steps)	56	F16B	
6B6	28	40	40	warm park position vs. start-up coolant temp. (steps)	80	F16B	
6B7	28	40	40	warm park position vs. start-up coolant temp. (steps)	104	F16B	
6B8	50	80	80	warm park position vs. start-up coolant temp. (steps)	128	F16B	
6B9	50	80	80	warm park position vs. start-up coolant temp. (steps)	152	F16B	
6BA	7	7	34.01	minimum frequency to form inverse (hertz)		KMINFREQ	
6BB	87	135		"			787 1927
6BC	18	24	9.375	max positive % flow change (%chng)		KDELPCTP	
6BD	FF	255	99.6094	max negative % flow change (%chng)		KDELPCTN	
6BE	1	1	0.39063	max tps for delta flow logic (%)		KTPSFDEL	
6BF	30	48	18.75	min tps for delta flow logic (%)		KTPSFDEH	
6C0	FF	255	79.6875	max mph for delta flow logic if below TPSLIMIT9(mph)		KMPHFDEL	109
6C1	1A	26	162.5	time to disable delta logic for rpm disable (msec)		KDELWAIT	
6C2	3	768	3.5	minimum allowable flow (gm/sec)		KMINFLOW	
6C3	80	128		"			380 896
6C4	0A	10	10	scaler	10	FMTBL1	
6C5	8	8		use 9 value table	pp2counts	FMTBL1A	
6C6	54	84	3.3	MAF TABLE # 1	0	FMTBL1	
6C7	54	84	3.3	MAF TABLE # 1	64	FMTBL1	
6C8	5F	95	3.7	MAF TABLE # 1	128	FMTBL1	
6C9	6D	109	4.3	MAF TABLE # 1	192	FMTBL1	
6CA	7D	125	4.9	MAF TABLE # 1	256	FMTBL1	
6CB	8E	142	5.5	MAF TABLE # 1	320	FMTBL1	
6CC	A5	165	6.4	MAF TABLE # 1	384	FMTBL1	
6CD	C3	195	7.6	MAF TABLE # 1	448	FMTBL1	
6CE	E7	231	9.0	MAF TABLE # 1	512	FMTBL1	
6CF	12	18	18	scaler	18	FMTBL2A	
6D0	8	8		use 9 value table		FMTBL2A	110
6D1	80	128	9.0	MAF TABLE # 2	512	FMTBL2	
6D2	8C	140	9.8	MAF TABLE # 2	544	FMTBL2	
6D3	9A	154	10.8	MAF TABLE # 2	576	FMTBL2	
6D4	A9	169	11.9	MAF TABLE # 2	608	FMTBL2	
6D5	B9	185	13.0	MAF TABLE # 2	640	FMTBL2	
6D6	CB	203	14.3	MAF TABLE # 2	672	FMTBL2	
6D7	DC	220	15.5	MAF TABLE # 2	704	FMTBL2	
6D8	ED	237	16.7	MAF TABLE # 2	736	FMTBL2	

6D9	FF	255	17.9	MAF TABLE # 2	768	FMTBL2	
6DA	21	33	33	scaler	33	FMTBL3	
6DB	8	8		use 9 value table		FMTBL3A	
6DC	8B	139	17.9	MAF TABLE # 3	768	FMTBL3	
6DD	96	150	19.3	MAF TABLE # 3	800	FMTBL3	
6DE	A2	162	20.9	MAF TABLE # 3	832	FMTBL3	
6DF	AE	174	22.4	MAF TABLE # 3	864	FMTBL3	
6E0	BA	186	24.0	MAF TABLE # 3	896	FMTBL3	111
6E1	C7	199	25.7	MAF TABLE # 3	928	FMTBL3	
6E2	D5	213	27.5	MAF TABLE # 3	960	FMTBL3	
6E3	E3	227	29.3	MAF TABLE # 3	992	FMTBL3	
6E4	F3	243	31.3	MAF TABLE # 3	1024	FMTBL3	
6E5	56	86	86	scaler	86	FMTBL4	
6E6	8	8		use 9 value table		FMTBL4A	
6E7	5D	93	31.2	MAF TABLE # 4	1024	FMTBL4	
6E8	64	100	33.6	MAF TABLE # 4	1056	FMTBL4	
6E9	6B	107	35.9	MAF TABLE # 4	1088	FMTBL4	
6EA	76	118	39.6	MAF TABLE # 4	1120	FMTBL4	
6EB	83	131	44.0	MAF TABLE # 4	1152	FMTBL4	
6EC	96	150	50.4	MAF TABLE # 4	1184	FMTBL4	
6ED	AC	172	57.8	MAF TABLE # 4	1216	FMTBL4	
6EE	C9	201	67.5	MAF TABLE # 4	1248	FMTBL4	
6EF	ED	237	79.6	MAF TABLE # 4	1280	FMTBL4	
6F0	FF	255	255	scaler	255	FMTBL5	112
6F1	8	8		use 9 value table		FMTBL5A	
6F2	50	80	79.7	MAF TABLE # 5	1280	FMTBL5	
6F3	5F	95	94.6	MAF TABLE # 5	1312	FMTBL5	
6F4	73	115	114.6	MAF TABLE # 5	1344	FMTBL5	
6F5	8E	142	141.4	MAF TABLE # 5	1376	FMTBL5	
6F6	AF	175	174.3	MAF TABLE # 5	1408	FMTBL5	
6F7	DC	220	219.1	MAF TABLE # 5	1440	FMTBL5	
6F8	FF	255	254.0	MAF TABLE # 5	1472	FMTBL5	
6F9	FF	255	254.0	MAF TABLE # 5	1504	FMTBL5	
6FA	FF	255	254.0	MAF TABLE # 5	1536	FMTBL5	
6FB	FF	255	255	scaler	255	FMTBL6	
6FC	10	16		use 17 value table		FMTBL6A	
6FD	FF	255	254.0	MAF TABLE # 6	1536	FMTBL6	
6FE	FF	255	254.0	MAF TABLE # 6	1552	FMTBL6	
6FF	FF	255	254.0	MAF TABLE # 6	1568	FMTBL6	
700	FF	255	254.0	MAF TABLE # 6	1584	FMTBL6	113
701	FF	255	254.0	MAF TABLE # 6	1600	FMTBL6	
702	FF	255	254.0	MAF TABLE # 6	1616	FMTBL6	
703	FF	255	254.0	MAF TABLE # 6	1632	FMTBL6	
704	FF	255	254.0	MAF TABLE # 6	1648	FMTBL6	
705	FF	255	254.0	MAF TABLE # 6	1664	FMTBL6	
706	FF	255	254.0	MAF TABLE # 6	1680	FMTBL6	
707	FF	255	254.0	MAF TABLE # 6	1696	FMTBL6	
708	FF	255	254.0	MAF TABLE # 6	1712	FMTBL6	
709	FF	255	254.0	MAF TABLE # 6	1728	FMTBL6	
70A	FF	255	254.0	MAF TABLE # 6	1744	FMTBL6	
70B	FF	255	254.0	MAF TABLE # 6	1760	FMTBL6	
70C	FF	255	254.0	MAF TABLE # 6	1776	FMTBL6	
70D	FF	255	254.0	MAF TABLE # 6	1792	FMTBL6	
70E	80	128		rmin			
70F	8	8		qmin			
710	9	9		rnum=9	degC/airtmp		114
711	8E	142	2.7	(%chg) correction value vs. airflow and temp. 0gmsec	-25	FMTBL9	
712	87	135	1.4	(%chg) correction value vs. airflow and temp. 0gmsec	-3	FMTBL9	
713	84	132	0.8	(%chg) correction value vs. airflow and temp. 0gmsec	11	FMTBL9	
714	80	128	0.0	(%chg) correction value vs. airflow and temp. 0gmsec	22	FMTBL9	
715	73	115	-2.5	(%chg) correction value vs. airflow and temp. 0gmsec	33	FMTBL9	
716	66	102	-5.1	(%chg) correction value vs. airflow and temp. 0gmsec	46	FMTBL9	
717	54	84	-8.6	(%chg) correction value vs. airflow and temp. 0gmsec	65	FMTBL9	
718	2B	43	-16.6	(%chg) correction value vs. airflow and temp. 0gmsec	102	FMTBL9	
719	0	0	-25.0	(%chg) correction value vs. airflow and temp. 0gmsec	hot	FMTBL9	
71A	80	128	0.0	(%chg) correction value vs. airflow and temp. 4gmsec	-25	FMTBL9	
71B	80	128	0.0	(%chg) correction value vs. airflow and temp. 4gmsec	-3	FMTBL9	
71C	80	128	0.0	(%chg) correction value vs. airflow and temp. 4gmsec	11	FMTBL9	
71D	80	128	0.0	(%chg) correction value vs. airflow and temp. 4gmsec	22	FMTBL9	
71E	7A	122	-1.2	(%chg) correction value vs. airflow and temp. 4gmsec	33	FMTBL9	
71F	73	115	-2.5	(%chg) correction value vs. airflow and temp. 4gmsec	46	FMTBL9	
720	6A	106	-4.3	(%chg) correction value vs. airflow and temp. 4gmsec	65	FMTBL9	115
721	57	87	-8.0	(%chg) correction value vs. airflow and temp. 4gmsec	102	FMTBL9	
722	42	66	-12.1	(%chg) correction value vs. airflow and temp. 4gmsec	hot	FMTBL9	
723	73	115	-2.5	(%chg) correction value vs. airflow and temp. 8gmsec	-25	FMTBL9	
724	78	120	-1.6	(%chg) correction value vs. airflow and temp. 8gmsec	-3	FMTBL9	
725	7C	124	-0.8	(%chg) correction value vs. airflow and temp. 8gmsec	11	FMTBL9	
726	80	128	0.0	(%chg) correction value vs. airflow and temp. 8gmsec	22	FMTBL9	
727	81	129	0.2	(%chg) correction value vs. airflow and temp. 8gmsec	33	FMTBL9	
728	80	128	0.0	(%chg) correction value vs. airflow and temp. 8gmsec	46	FMTBL9	

729	80	128	0.0	(%chg) correction value vs. airflow and temp. 8gmsec	65	FMTBL9	
72A	80	128	0.0	(%chg) correction value vs. airflow and temp. 8gmsec	102	FMTBL9	
72B	80	128	0.0	(%chg) correction value vs. airflow and temp. 8gmsec	hot	FMTBL9	
72C	68	104	-4.7	(%chg) correction value vs. airflow and temp. 12gmsec	-25	FMTBL9	
72D	72	114	-2.7	(%chg) correction value vs. airflow and temp. 12gmsec	-3	FMTBL9	
72E	79	121	-1.4	(%chg) correction value vs. airflow and temp. 12gmsec	11	FMTBL9	
72F	80	128	0.0	(%chg) correction value vs. airflow and temp. 12gmsec	22	FMTBL9	
730	83	131	0.6	(%chg) correction value vs. airflow and temp. 12gmsec	33	FMTBL9	116
731	87	135	1.4	(%chg) correction value vs. airflow and temp. 12gmsec	46	FMTBL9	
732	94	148	3.9	(%chg) correction value vs. airflow and temp. 12gmsec	65	FMTBL9	
733	A8	168	7.8	(%chg) correction value vs. airflow and temp. 12gmsec	102	FMTBL9	
734	BD	189	11.9	(%chg) correction value vs. airflow and temp. 12gmsec	hot	FMTBL9	
735	5D	93	-6.8	(%chg) correction value vs. airflow and temp. 16gmsec	-25	FMTBL9	
736	6E	110	-3.5	(%chg) correction value vs. airflow and temp. 16gmsec	-3	FMTBL9	
737	77	119	-1.8	(%chg) correction value vs. airflow and temp. 16gmsec	11	FMTBL9	
738	80	128	0.0	(%chg) correction value vs. airflow and temp. 16gmsec	22	FMTBL9	
739	85	133	1.0	(%chg) correction value vs. airflow and temp. 16gmsec	33	FMTBL9	
73A	8D	141	2.5	(%chg) correction value vs. airflow and temp. 16gmsec	46	FMTBL9	
73B	9C	156	5.5	(%chg) correction value vs. airflow and temp. 16gmsec	65	FMTBL9	
73C	B8	184	10.9	(%chg) correction value vs. airflow and temp. 16gmsec	102	FMTBL9	
73D	D4	212	16.4	(%chg) correction value vs. airflow and temp. 16gmsec	hot	FMTBL9	
73E	50	80	-9.4	(%chg) correction value vs. airflow and temp. 32gmsec	-25	FMTBL9	
73F	67	103	-4.9	(%chg) correction value vs. airflow and temp. 32gmsec	-3	FMTBL9	
740	74	116	-2.3	(%chg) correction value vs. airflow and temp. 32gmsec	11	FMTBL9	117
741	80	128	0.0	(%chg) correction value vs. airflow and temp. 32gmsec	22	FMTBL9	
742	88	136	1.6	(%chg) correction value vs. airflow and temp. 32gmsec	33	FMTBL9	
743	96	150	4.3	(%chg) correction value vs. airflow and temp. 32gmsec	46	FMTBL9	
744	A7	167	7.6	(%chg) correction value vs. airflow and temp. 32gmsec	65	FMTBL9	
745	CE	206	15.2	(%chg) correction value vs. airflow and temp. 32gmsec	102	FMTBL9	
746	F6	246	23.0	(%chg) correction value vs. airflow and temp. 32gmsec	hot	FMTBL9	
747	4D	77	-10.0	(%chg) correction value vs. airflow and temp. 48gmsec	-25	FMTBL9	
748	64	100	-5.5	(%chg) correction value vs. airflow and temp. 48gmsec	-3	FMTBL9	
749	72	114	-2.7	(%chg) correction value vs. airflow and temp. 48gmsec	11	FMTBL9	
74A	80	128	0.0	(%chg) correction value vs. airflow and temp. 48gmsec	22	FMTBL9	
74B	8A	138	2.0	(%chg) correction value vs. airflow and temp. 48gmsec	33	FMTBL9	
74C	99	153	4.9	(%chg) correction value vs. airflow and temp. 48gmsec	46	FMTBL9	
74D	AC	172	8.6	(%chg) correction value vs. airflow and temp. 48gmsec	65	FMTBL9	
74E	D9	217	17.4	(%chg) correction value vs. airflow and temp. 48gmsec	102	FMTBL9	
74F	FF	255	24.8	(%chg) correction value vs. airflow and temp. 48gmsec	hot	FMTBL9	
750	4B	75	-10.4	(%chg) correction value vs. airflow and temp. 64gmsec	-25	FMTBL9	118
751	63	99	-5.7	(%chg) correction value vs. airflow and temp. 64gmsec	-3	FMTBL9	
752	71	113	-2.9	(%chg) correction value vs. airflow and temp. 64gmsec	11	FMTBL9	
753	80	128	0.0	(%chg) correction value vs. airflow and temp. 64gmsec	22	FMTBL9	
754	8A	138	2.0	(%chg) correction value vs. airflow and temp. 64gmsec	33	FMTBL9	
755	9A	154	5.1	(%chg) correction value vs. airflow and temp. 64gmsec	46	FMTBL9	
756	AE	174	9.0	(%chg) correction value vs. airflow and temp. 64gmsec	65	FMTBL9	
757	DD	221	18.2	(%chg) correction value vs. airflow and temp. 64gmsec	102	FMTBL9	
758	FF	255	24.8	(%chg) correction value vs. airflow and temp. 64gmsec	hot	FMTBL9	
759	61	97	-6.1	(%chg) correction value vs. airflow and temp. 80gmsec	-25	FMTBL9	
75A	76	118	-2.0	(%chg) correction value vs. airflow and temp. 80gmsec	-3	FMTBL9	
75B	80	128	0.0	(%chg) correction value vs. airflow and temp. 80gmsec	11	FMTBL9	
75C	80	128	0.0	(%chg) correction value vs. airflow and temp. 80gmsec	22	FMTBL9	
75D	8A	138	2.0	(%chg) correction value vs. airflow and temp. 80gmsec	33	FMTBL9	
75E	9A	154	5.1	(%chg) correction value vs. airflow and temp. 80gmsec	46	FMTBL9	
75F	AF	175	9.2	(%chg) correction value vs. airflow and temp. 80gmsec	65	FMTBL9	
760	DD	221	18.2	(%chg) correction value vs. airflow and temp. 80gmsec	102	FMTBL9	119
761	FF	255	24.8	(%chg) correction value vs. airflow and temp. 80gmsec	hot	FMTBL9	
762	10	16	16	use 17 value table	rpm		
763	0C	12	12	Max Air Flow vs. RPM	0	F79	
764	0E	14	14	Max Air Flow vs. RPM	400	F79	
765	1A	26	26	Max Air Flow vs. RPM	800	F79	
766	20	32	32	Max Air Flow vs. RPM	1200	F79	
767	FF	255	255	Max Air Flow vs. RPM	1600	F79	
768	FF	255	255	Max Air Flow vs. RPM	2000	F79	
769	FF	255	255	Max Air Flow vs. RPM	2400	F79	
76A	FF	255	255	Max Air Flow vs. RPM	2800	F79	
76B	FF	255	255	Max Air Flow vs. RPM	3200	F79	
76C	FF	255	255	Max Air Flow vs. RPM	3600	F79	
76D	FF	255	255	Max Air Flow vs. RPM	4000	F79	
76E	FF	255	255	Max Air Flow vs. RPM	4400	F79	
76F	FF	255	255	Max Air Flow vs. RPM	4800	F79	
770	FF	255	255	Max Air Flow vs. RPM	5200	F79	120
771	FF	255	255	Max Air Flow vs. RPM	5600	F79	
772	FF	255	255	Max Air Flow vs. RPM	6000	F79	
773	FF	255	255	Max Air Flow vs. RPM	6400	F79	
774	20	32	12.5%	D.C. reduction for knock	%	kdcReduc	
775	55	85	15	Max retard before lowering D.C.	deg	knocklim	
776	4	4	0.016	Filter coef. to ramp wastegate	coeff.	kwstgcof	
777	C0	192	75%	3rd Gear Boost Mult.	mult.	kdc3rd	
778	80	128	50%	4th Gear Boost Mult.	mult.	kdc4th	

779	96	150	150	P.E. time before lowering Duty Cycle	sec	kwgpetim	
77A	20	32	12.5%	D.C. reduction for PE	%	kwgpered	
77B	2F	47	14.7	if mph >= this, turn off CCI	mph	kccisspd	
77C	9A	154	60	if %tps >= this, turn off CCI	%tps	kccitps	
77D	0	0		if CCI on >= this time, turn off		kccitmr	
77E	0	0		"			
77F	0	0	0.0	Wastegate duty cycle vs RPM	1600	F74	
780	0	0	0.0	Wastegate duty cycle vs RPM	2000	F74	121
781	AA	170	14.7	Wastegate duty cycle vs RPM	2400	F74	
782	AA	170	14.7	Wastegate duty cycle vs RPM	2800	F74	
783	AA	170	14.7	Wastegate duty cycle vs RPM	3200	F74	
784	AA	170	14.7	Wastegate duty cycle vs RPM	3600	F74	
785	AA	170	14.7	Wastegate duty cycle vs RPM	4000	F74	
786	AA	170	14.7	Wastegate duty cycle vs RPM	4400	F74	
787	AA	170	14.7	Wastegate duty cycle vs RPM	4800	F74	
788	AA	170	14.7	Wastegate duty cycle vs RPM	5200	F74	
789	AA	170	14.7	Wastegate duty cycle vs RPM	5600	F74	
78A	AA	170	14.7	Wastegate duty cycle vs RPM	6000	F74	
78B	AA	170	14.7	Wastegate duty cycle vs RPM	6400	F74	
78C	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	0 %tps	F84A	
78D	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	12.5	F84A	
78E	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	25	F84A	
78F	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	37.5	F84A	
790	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	50	F84A	122
791	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	62.5	F84A	
792	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	75	F84A	
793	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	87.5	F84A	
794	FF	255	100%	TPS Scaler of Wastgate Duty Cycle	100	F84A	
795	8	8	-34	if coolant < this, use F99 table (degC)	deg F	-29	
796	7D	125	125	if mph >= this, shut off fuel		kmphhi	
797	7A	122	122	if mph < this, restore fuel		kmphlo	
798	0	0					
799	0	0					
79A	0	0					
79B	0	0					
79C	0	0					
79D	0	0					
79E	0	0					
79F	0	0		First Byte of Prom ID		promida	
7A0	90	144		Second Byte of Prom ID		promidb	
7A1	0	0		Third Byte of Prom ID		promidc	
7A2	31	49	yes	run sumcheck 31=yes AA=no		kpromrom	