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NAZTEC MODEL 682 V18.X PROGRAM CHART

INTERSECTION:								
111	INTERVAL TIMES							
PHASE	1	2	3	4	5	6	7	8
MVMT								
MIN GREEN								
GAP, EXT.	.	.	.	.	.	.	.	.
MAX 1 GREEN								
MAX 2 GREEN								
YELLOW	.	.	.	.	.	.	.	.
RED	.	.	.	.	.	.	.	.
WALK								
PED CLEAR								
ADD INITIAL	.	.	.	.	.	.	.	.
TT REDUCE								
TB REDUCT								
MinGAP/2	.	.	.	.	.	.	.	.
MAX IN GRN								
WALK 2								
PED CLR 2								
MAX 3								
MAX EXT.								

112	BARRIERS							
BARRIER PH	1	2	3	4	5	6	7	8
BARRIER 1								
BARRIER 2								
BARRIER 3								
BARRIER 4								

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113	CONFLICTING PHASES		
CONFLICTING PHASES SELECTIONS: PH 1 & 2- NONE, 5, 6, or 5 & 6 PH 3 & 4- NONE, 7, 8, or 7 & 8		PHASE 1 WITH	
		PHASE 2 WITH	
		PHASE 3 WITH	
		PHASE 4 WITH	

114	RECALL	PHASE	TYPE	PHASE	TYPE
SELECTIONS: MIN, MAX, PED & MIN PED & MAX, MEM ON MEM OFF		1		5	
		2		6	
		3		7	
		4		8	

115	PHASE ROTATION PH PAIR	1/2	3/4	5/6	7/8
	RESERVICE				
	REVERSE PHASE PAIRS				
	CONDITIONAL SERVICE				
	INHIBIT BACKUP				

116	PHASE OPTIONS	1	2	3	4	5	6	7	8
	PED PROTECT								
	NON ACTUATION 1								
	NON ACTUATION 2								
	LAST CAR PASSAGE								
	REST IN WALK								
	DON'T SKIP								
	SOFT RECALL								
	SELECT MAX 2								
	SELECT PED TIMING 2								
	FLASHING WALK								
	OMIT								
	DUAL ENTRY								
	SIMULATENOUS GAP								

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118	SHORT INTEVAL FAIL TIMES	RING1	TIME	RING2	TIME
		GRN		GRN	
		YEL		YEL	
		RED		RED	

119	SKIP YELLOW	PHASE	WITH	PHASE	WITH
		1		5	
		2		6	
		3		7	
		4		8	

12	CONTROLLER PARAMETERS			
	RED REVERT TIME		INPUT..ASSIGN	
	V/O SAMPLE TIME		TESTA:	
	# OF SAMPLES		TESTB:	
	EXCLUSIVE PED			
	V/O STOP ON FULL		TXMIT ALARMS	
	REC PAT EVENTS		& GRN SMPL TIME	
	H/W STN ID		CONSOLE TIMEOUT	

131	INITIALIZATION OF RINGS	RING 1		RING 2
	PHASE			
	INTERVAL			
	IF YELLOW, NEXT PHASE			

132	RING INPUT MAP	RING ---1--- ---2---							
	RING INPUTS	PHASE.1.2.3.4.5.6.7.8.							
	USE OPP. RING'S INPUTS								

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141	FLASH PARAMETERS	
	ALLOW FLASH	YES/NO:
	VOLTAGE MONITOR FLASH ON/OFF:	

142	FLS	1/A	2/B	3/C	4/D	5/E	6/F	7/G	8/H
VEHICLE									
PED									
OVERLAP									

143	BEG/END FLASH	RING ...1.....2....	
		BEGIN	
		END	

144	RETURN FROM FLASH CLEARANCE TIMES	
YELLOW		RED

145	FLS	1	2	3	4	5	6	7	8
PHASES									
OVERLAP									

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151	OVERLAP PARAMETERS		
INTERNAL PROGRAMMING		ON/OFF:	
LOCK MODE		ON/OFF:	
PHASE NEXT CONFLICT MODE		ON/OFF:	
CALC. FROM PARENT PHASES		ON/OFF:	

152	PROGRAM OVERLAPS	1	2	3	4	5	6	7	8
OVERLAP A/1									
B/2									
C/3									
D/4									
E/5									
F/6									
G/7									
H/8									

153	OLP	A/1	B/2	C/3	D/4	E/5	F/6	G/7	H/8
TYPE OVLP									

154	CONFLICTING PHASES	1	2	3	4	5	6	7	8
OVERLAP A/1									
B/2									
C/3									
D/4									
E/5									
F/6									
G/7									
H/8									

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155	CONFLICTING OLPS	A	B	C	D	E	F	G	H
	OVERLAP A/1								
	B/2								
	C/3								
	D/4								
	E/5								
	F/6								
	G/7								
	H/8								

156	SUPPRESSION PHASES	1	2	3	4	5	6	7	8
	OVERLAP A/1								
	B/2								
	C/3								
	D/4								
	E/5								
	F/6								
	G/7								
	H/8								

157	OLP	A/1	B/2	C/3	D/4	E/5	F/6	G/7	H/8
	ADD GREEN	.	.	.	.	.	.	.	.
	YELLOW	.	.	.	.	.	.	.	.
	RED	.	.	.	.	.	.	.	.

158	NON-NEMA OVERLAP OUTPUT MAP								
	OLP...E/5...F/6...G/7...H/8								
	PED OUT								

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159	PED OVERLAPS INPUT	1	2	3	4	5	6	7	8
	PED OUT 1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								

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161	ALARM PARAMETERS		
TXMIT ALARMS		ON/OFF:	
RECORD PATTERN EVENTS		ON/OFF:	

162	ALARM MASK	1	2	3	4	5	6	7	8
	ALARMS 1-8								
	9-16								
	17-24								
	25-32								
	33-40								
	41-48								
	49-56								
	57-64								

163	FWD ALARM MASK	1	2	3	4	5	6	7	8
	FORWARD ENABLE ALARMS 1-8								
	9-16								
	17-24								
	25-32								
	33-40								
	41-48								
	49-56								
	57-64								

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17	ACTIVATE RUN		
ACTIVATE RUN TIMER		YES/NO :	

18	OUTPUT MAP	CHAN.	ASSIGNED	CHAN.	ASSIGNED
		1		4	
		2		5	
		3		6	

OPTIONS: SELECT ONE MODE FOR EACH CHANNEL \ PH \ OVLP \ PED

CHANNEL 1 - PHASE 1, OVERLAP 1, PED 1

CHANNEL 2 - 2 2 2

CHANNEL 3 - 3 3 3

CHANNEL 4 - 4 4 4

CHANNEL 5 - 5 5 5

CHANNEL 6 - 6 6 6

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231	PL 1	PH1	PH2	PH3	PH4	PH5	PH6	PH7	PH8
EASY SPLIT									
COORDINATED PHASE									

232	PL 2	PH1	PH2	PH3	PH4	PH5	PH6	PH7	PH8
EASY SPLIT									
COORDINATED PHASE									

233	PL 3	PH1	PH2	PH3	PH4	PH5	PH6	PH7	PH8
EASY SPLIT									
COORDINATED PHASE									

234	PL 4	PH1	PH2	PH3	PH4	PH5	PH6	PH7	PH8
EASY SPLIT									
COORDINATED PHASE									

235	PL 5	PH1	PH2	PH3	PH4	PH5	PH6	PH7	PH8
EASY SPLIT									
COORDINATED PHASE									

236	PL 6	PH1	PH2	PH3	PH4	PH5	PH6	PH7	PH8
EASY SPLIT									
COORDINATED PHASE									

237	PL 7	PH1	PH2	PH3	PH4	PH5	PH6	PH7	PH8
EASY SPLIT									
COORDINATED PHASE									

238	PL 8	PH1	PH2	PH3	PH4	PH5	PH6	PH7	PH8
EASY SPLIT									
COORDINATED PHASE									

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24	INPUT MAP	SP/CY	PLAN	CMND	SP/CY	PLAN	CMND
		1 1			3 1		
		1 2			3 2		
		1 3			3 3		
		1 4			3 4		
		2 1			4 1		
		2 2			4 2		
		2 3			4 3		
		2 4			4 4		

25	OUTPUT MAP	PLAN	CYC	SPL	PLAN	CYC	SPL
		1			9		
		2			10		
		3			11		
		4			12		
		5			13		
		6			14		
		7			15		
		8			16		

26	COORDINATION PARAMETERS		
COOR PARAMETERS - - - - WALK . RECYCLE - - - -			
SYNC LENGTH:		LEAVE WLK BEFORE:	
PSEUDO SYNC:		LEAVE WALK AFTER:	
COORD. RUN:		RECYCLE MODE:	
APPLY HOLD:			
COORD. TYPE:			
ELECTR-MECH:		INTERCONNECT:	
CLOSED LOOP:		EXT. COORD. LINE:	
STOP IN WLK:		WALK = VEH. PERM:	
		INH. COORD. FAIL:	

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31	ALLOW PREEMPTS	.1.	.2.	.3.	.4.	.5.
ALLOWED (1 - ON, 0 - OFF)						

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PREEMPT 1 SET UP

32	PREEMPT 1 PARAMETERS			
DELAY BEFORE PREEMPT			TRACK LOCK	
MINIMUM PREEMPT TIME			FLASH	
SKIP CLR		TYPE	PED OMIT	

33	PREEMPT 1 PH/OVLP	1	2	3	4	5	6	7	8
TRACK CLEARANCE 1 PHASES									
TRACK CLEARANCE 1 OVLPS									
TRACK CLEARANCE 2 PHASES									
TRACK CLEARANCE 2 OVLPS									
PREEMPTION PHASES									
PREEMPTION OVERLAPS									
RETURN PHASES									

34	PREEMPT 1 INTERVALS	. MIN	. WLK	. PCL	. YEL	. RED
BEGIN CLEARANCE						
TRACK 1 CLEARANCE						
TRACK 2 CLEARANCE						
RETURN CLEARANCE						

35	FL 1	1/A	2/B	3/C	4/D	5/E	6/F	7/G	8/H
VEHICLE									
PED									
OVERLAP									

36	PRE 1 RECALL	PHASE	TYPE	PHASE	TYPE
SELECTIONS: PHASE RECALL, MEM ON, MEM OFF, MIN, MAX, PED & MIN, PED & MAX		1		5	
		2		6	
		3		7	
		4		8	

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42	TIME BASE PARAMETERS				
DAYLIGHT SAVINGS TIME			MONTH	WEEK	REF-TIME
REAL TIME CLOCK:		SPRING			
CHANGE MODE :		FALL			
PULSE TIME :					
TOD DIMMING :					

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COMMAND ____

431	DET. MAP & OUTPUTS OUT 1		5	
COMMAND ____	2		6	
DETECTOR MAP		3	7	
DET. FAIL TB		4	8	
432	CONFLICTING PHASE CMND ____	PHASE 1 WITH		

SELECTIONS:

PH 1 & 2- NONE, 5, 6, or 5 & 6
PH 3 & 4- NONE, 7, 8, or 7 & 8

PHASE 2 WITH	
PHASE 3 WITH	
PHASE 4 WITH	

433	RECALL CMND ____	PHASE	TYPE	PHASE	TYPE
SELECTIONS: PHASE RECALL, MEM ON, MEM OFF, MIN, MAX, PED & MIN, PED & MAX, NON ACT, PHASE OMIT		1		5	
		2		6	
		3		7	
		4		8	

434	OPTIONS COMMAND ____	1	2	3	4	5	6	7	8
REST IN WALK									
DON'T SKIP									
SOFT RECALL									
SELECT MAX 2									
SELECT PED TIMING 2									
INHIBIT MAX									
DALLAS MODE									
RED REST									
DUAL ENTRY									
PED OMIT									
EXT 2									
435	PHASE ROTATION	PHASE PAIR	1/2	3/4	5/6	7/8			
COMMAND ____	RESERVICE								
	REVERSE PHASES								
	CONDITIONAL SERVICE								

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[illegible]

[illegible]

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46	TBC CONFIGURATION				
TBC CONFIG	MODE	NUMBER	CMND	COOR	OFST
CURRENT					
NEW					

COMMAND MODES : OFF, AUTO, TBC, EXT

COORDINATION MODES : OFF, AUTO, TBC, EXT, XCY, ICY, FL

OFFSET : 1 - 4

PLAN : 1 - 16

COMMAND : 0 -16

RTC MODES ONLY APPLY TO 2,1 TEST CONFIGURATION

47	ERRORS	1	2	3	4	5	6	7	8
CLEAR SKIPPED PHASES									
CMD MODE =									
COOR. MODE =		OFFSET =		PLAN					

SAME AS DISPLAY 2,7 ERRORS

TO CLEAR A COORDINATION FAULT, ALL PHASES MUST BE SHOWN WITH ZEROES. ENTER THE PHASES THAT HAVE BEEN SKIPPED, WHICH WILL BE REPRESENTED WITH A ONE (1) UNDER THE PHASE NUMBER IN THIS DISPLAY, THEN PRESS THE RED ENTER KEY.

41	REAL TIME CLOCK & CALENDAR			
	DATE	DAY	TIME	SECS
CURRENT				
NEW				

BEFORE SETTING THE TIME CLOCK, FIRST SET AT LEAST ONE (1) WEEKDAY ENTRY TO COVER ONE TWENTY FOUR HOUR TIME PERIOD. SECOND, TURN ON THE RTC, (4,2). THIRD, SET THE RTC.

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51	PHASE CALL MAP ____	1	2	3	4	5	6	7	8
DETECTOR NUMBER	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								

52	PHASE EXT. MAP ____	1	2	3	4	5	6	7	8
DETECTOR NUMBER	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								

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53	DELAY DEFEAT MAP	1	2	3	4	5	6	7	8
DETECTOR NUMBER	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								

55	FL. TABLE	DETECTOR #	LOW	HGH	TIME (min)
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		11			
		12			

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54	DEL \ STR	DETECTOR #	DELAY	STRETCH
		1		
		2		
		3		
		4		
		5		
		6		
		7		
		8		
		9		
		10		
		11		
		12		

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61	PORT 1 PARAMETERS		DIAL		DIAL TIME	
MODEM		TIMER		AC	EXG	NUMBER
BAUD		COMM		TEL#		
STN ID		MODEM		TEL#		
DUPLEX		SYSTEM				

62	PORT 2 PARAMETERS		BAUD RATE
			COMM TIME
DUPLEX		MODEM	
			DIAL TIME

68	MODEM SETUP STRING
1	
2	
3	

81	SECURITY CODE ENTRY
ENTER USER #: (1 - 64)	
ACCESS CODE :	

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82	SET SECURTIY CODES - ACCESS CODES (1 - 4 DIGITS)
----	--

#	CODE	LEVEL
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		

#	CODE	LEVEL
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		

#	CODE	LEVEL
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		

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91	MONITOR PERMISSIVE	CHANNELS	1	2	3	4	5	6
		1						
		2						
		3						
		4						
		5						
	ENABLE RED FAIL							
	ENABLE MULTI-INDICATION							

92	PROGRAM PERMISSIVE MODULE
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93	TRANSFER RELAY FLASH
INITIAL FLASH TIME	0 - 24 SECONDS
TRANSFER RELAY FLASH	ON / OFF