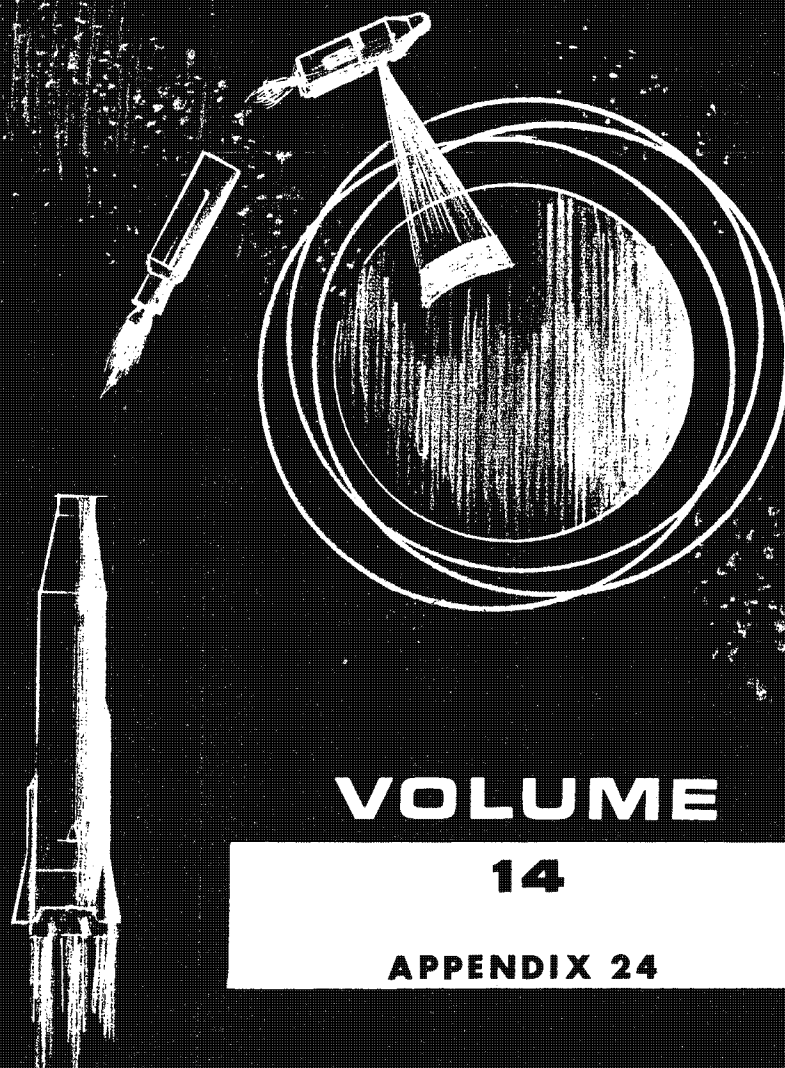


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PROGRAM REPORT



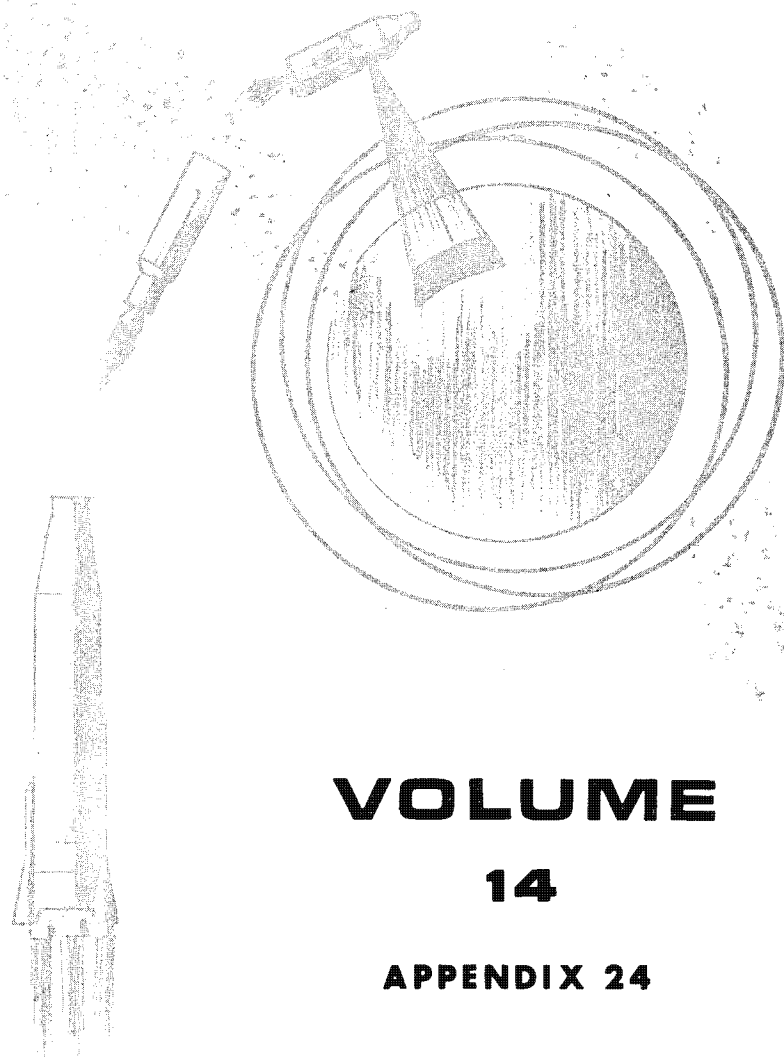
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14

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NOVEMBER 1967

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VOLUME

14

APPENDIX 24

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TELEMETRY CALIBRATION BOOK

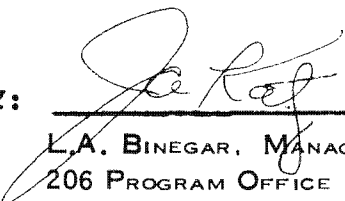
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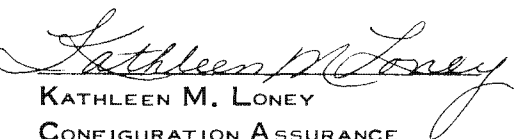
TELEMETRY CALIBRATION BOOK

TASK - 88

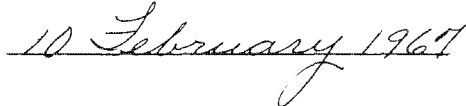
ACCEPTED BY:


L.A. BINEGAR, MANAGER
206 PROGRAM OFFICE
ROOM 5025, EXT. 3507/8

ISSUED BY


KATHLEEN M. LONEY
CONFIGURATION ASSURANCE
ROOM 3705, CCANDF 3, X4035

DATE

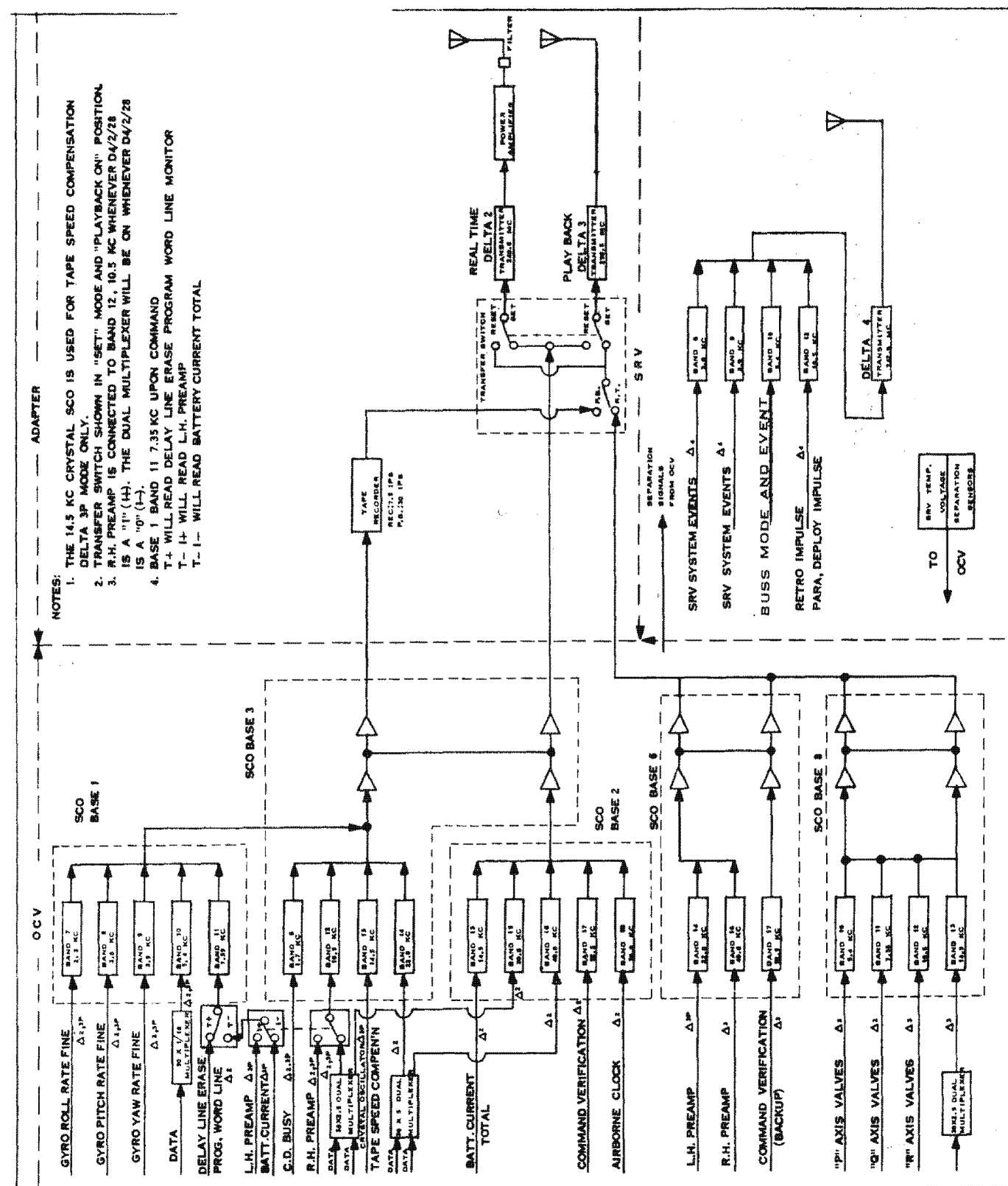
**GENERAL  ELECTRIC**MISSILE AND SPACE DIVISION
ADVANCED SPACE PROJECTS DEPARTMENT
P.O. BOX 8661, PHILADELPHIA 1, PA.

This document contains 300 pages, consisting of the following:

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23	244 through 274
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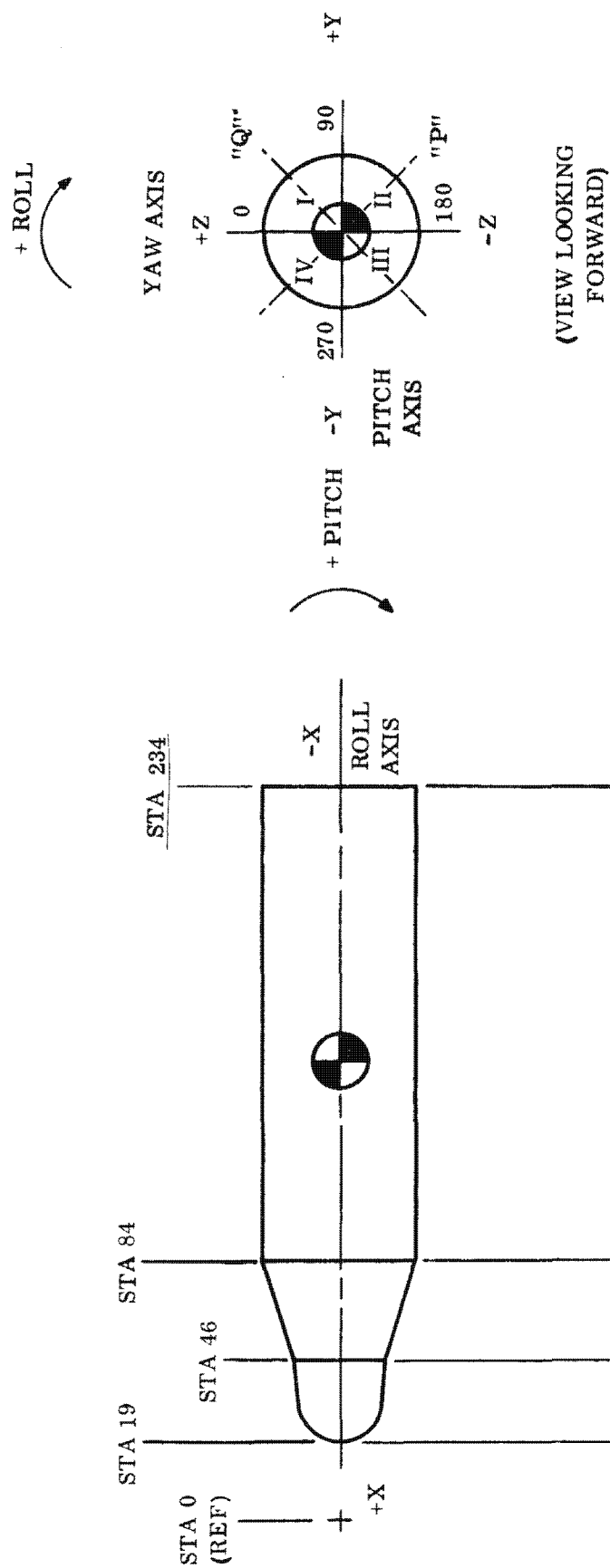
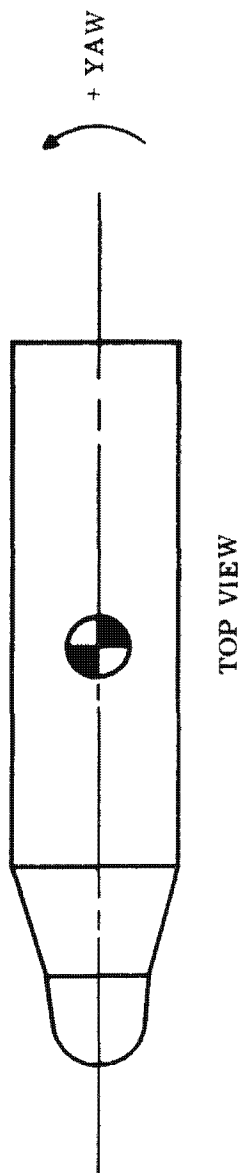
INSTRUMENTATION
DESCRIPTION

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E	FREQ KC	DELTA 3 TELEMETRY	DELTA 2 TELEMETRY
6	1.7	C.D. BUSY SCO BASE 3 4:1 P.B.	C.D. BUSY SCO BASE 3 FM/FM
7	2.3	GYRO ROLL RATE FINE SCO BASE 1 4:1 P.B.	GYRO ROLL RATE FINE SCO BASE 1 FM/FM
8	3.0	GYRO PITCH RATE FINE SCO BASE 1 4:1 P.B.	GYRO PITCH RATE FINE SCO BASE 1 FM/FM
9	3.9	GYRO YAW RATE FINE SCO BASE 1 4:1 P.B.	GYRO YAW RATE FINE SCO BASE 1 FM/FM
10	5.4	90X1/18 COMMUTATOR SCO BASE 1 4:1 P.B. P AXIS VALVES SCO BASE 8 FM/FM	90X1/12 COMMUTATOR SCO BASE 1 PAM/FM/FM
11	7.35	L.H. PREAMP OR BATTERY CURRENT TOTAL SCO BASE 1 4:1 P.B. Q AXIS VALVES SCO BASE 8 FM/FM	DELAY LINE ERASE/PROGRAM WORD LINE SCO BASE 1 FM/FM
12	10.5	30X2.5 DUAL COMMUTATOR OR R.H. PREAMP SCO BASE 3 4:1 P.B. R AXIS VALVES SCO BASE 8 FM/FM	30X2.5 DUAL COMMUTATOR OR R.H. PREAMP SCO BASE 3 PAM/FM/FM
13	14.5	TAPE SPEED COMPENSATION SCO BASE 3 4:1 P.B. 30X2.5 DUAL COMMUTATOR SCO BASE 8 PAM/FM/FM	BATTERY CURRENT TOTAL SCO BASE 2 FM/FM
14	22.0	L.H. PREAMP, SCO BASE 6 30 X 5 DUAL COMMUTATOR, SCO BASE 3 FM/FM	30X5 DUAL COMMUTATOR SCO BASE 3 PAM/FM/FM
15	30.0		30X2.5 DUAL COMMUTATOR SCO BASE 2 PAM/FM/FM
16	40.0	R.H. PREAMP SCO BASE 6 FM/FM	30X3 DUAL COMMUTATOR SCO BASE 2 PAM/FM/FM
17	52.5	COMMAND VERIFICATION SCO BASE 6 FM/FM (BAG)	COMMAND VERIFICATION SCO BASE 2 FM/FM
18	70.0		PROGRAMMER AIRBORNE CLOCK SCO BASE 2 FM/FM

PHYSICAL
PROPERTIES



VEHICLE STATIONS AND AXIS DEFINITIONS

TELEMETRY
LISTING

Note:

Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK: SEE BELOW

TLM MODE: ORBITAL

BAND	TLM LOCATION		A NO.	FUNCTION	LINK	RANGE		PHYS. LOCATION STA/ANG/RAD	AMB % F.S.	PRIOR- ITY	CURVE PAGE
	FREQ	PULSE				LO	HI				
6	1.7	CONT	357	COMMAND DECODER BUSY SIGNAL	2,3P			188/0°		C	22
7	2.3	CONT	963	GYRO ROLL RATE- FINE	2,3P	-0.05	.05	125/357°		B	23
8	3.0	CONT	964	GYRO PITCH RATE- FINE	2,3P	-0.05	.05	154/360°		B	24
9	3.9	CONT	965	GYRO YAW RATE- FINE	2,3P	-0.05	.05	154/360°		B	25
10	5.4	CONT		"P" AXIS VALVES	3					C	26
11	7.35	CONT	359	DELAY LINE ERASE MONITOR/ PROGRAM WORD LINE MONITOR	2,3P			173/360°		A	117
			1016 2241	L. H. PRE-AMP OR CURRENT OP BATTERY TOTAL	3P 3P	0	50	216/205° 154-173/191°		B C	118 152
12	10.5	CONT	1016	"Q" AXIS VALVES	3					C	119
				R. H. PRE-AMP	2,3P			216/155°		B	120
				"R" AXIS VALVES	3			146/315°		C	121
13	14.5	CONT	2241	CURRENT OP BATTERY TOTAL OR TAPE SPEED COMPENSATION	2 3P	0	50	154-173/191°		C C	152
14	22.0	CONT	1016	L.H. PRE-AMP	3			216/205°		B	183
16	40.0	CONT	1016	R.H. PRE-AMP	3			216/155°		B	244
17	52.5	CONT	357	COMMAND VERIFICATION COMMAND VERIFICATION(BACKUP)	2 3			188/360°		A	275
18	70.0	CONT	359	VEHICLE CLOCK TIME	2			173/360°		B	276

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Note:
Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988
TLM LINK: 3P

TLM MODE: ORBITAL

TLM LOCATION		A NO.	FUNCTION	RANGE		PHYS. LOCATION		AMB % F.S.	PRIOR- ITY	CURVE PAGE
BAND	FREQ			LO	HI	UNITS	STA/ANG/RAD			
10	5.4	1	CALIBRATION -10 PERCENT							27
		2	CALIBRATION - 50 PERCENT							28
		3	CALIBRATION - 90 PERCENT							29
		4	22 VDC MONITOR	0	24.5	VDC				30
		5	GFE 1-4							31
		6	GFE 1-5							32
		7	GFE 1-6							33
		8	GFE 1-7							34
		9	GFE 1-8							35
		10	GFE 1-9							36
		11	GFE 1-10							37
		12	GFE 1-26							38
		13	GFE 2-2							39
		14	5 V. D. C. Bus							40
		15	5 V. D. C. Bus							41
		16	5 V. D. C. Bus							42

Note:

Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK: 2,3P

TLM MODE: ORBITAL

TLM LOCATION BAND FREQ PULSE	A NO.	FUNCTION	RANGE		PHYS. LOCATION STA/ANG/RAD	AMB % F.S.	PRIOR- ITY	CURVE PAGE
			LO	HI				
10 5.4	17	5 V. D. C. Bus						43
	18	5 V. D. C. Bus						44
	19	5 V. D. C. Bus						45
	20	5 V. D. C. Bus						46
	21	5 V. D. C. Bus						47
	22	5 V. D. C. Bus						48
	23	5 V. D. C. Bus						49
	24	5 V. D. C. Bus						50
	25	5 V. D. C. Bus						51
	26	TEMPERATURE, O/A OXIDIZER TANK INT.	0	150	146/60°		B	52
	27	TEMPERATURE, O/A FUEL TANK INT.	0	150	146/280°		B	53
	28	TEMPERATURE, O/A SOLENOID VALVE	0	130	216/360°		D	54
	29	PRESSURE, O/A N ₂ REG. INLET	0	5000	198/360°		C	55
	30	PRESSURE STAB. REG. LOW OUTPUT	0	100	BLKHD AFT/Q IV		D	56
	31	PRESSURE STAB. REG. HIGH OUTPUT	0	600	BLKHD AFT/Q I		D	57
	32	TEMPERATURE, TARS ROLL GYRO	-2.5	+2.5	226.25/0°		D	58
	33	TEMPERATURE, TARS PITCH GYRO	-2.5	+2.5	226.25/0°		D	59

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Note:

Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK: 2.3P

TLM MODE: ORBITAL

TLM LOCATION			A NO.	FUNCTION	RANGE			PHYS. LOCATION		AMB % F.S.	PRIOR- ITY	CURVE PAGE
BAND	FREQ	PULSE			LO	HI	UNITS	STA/ANG/RAD				
10	5.4	34	951	TEMPERATURE, TARS YAW GYRO	-2.5	+2.5	DEG F	226.25/0°			D	60
		35	951	TEMPERATURE, TARS ELECTRONICS-INT	75	155	DEG F	224.75/13°			C	61
		36	951	VOLTAGE, TARS GYRO 400 CPS	25	27	VAC	229.5/0°			C	62
		37	952	VOLTAGE, RAGS GYRO 400 CPS	22.8	29.2	VAC	140/0°			D	63
		38	952	TEMPERATURE, RAGS GYRO BLOCK	110	160	DEG F	140/360°			D	64
		39		D.C.P.S. + 10 VOLTS								65
		40		D.C.P.S. 28 V INPUT								66
		41	961	D.C.P.S. + 26.5 VOLTS	0	28	VDC	209/245°			C	67
		42		D.C.P.S. + 36 VOLTS								68
		43	961	D.C.P.S. PEAK DETECTOR (Q4)	0	70	VDC	209/245°			C	69
		44	961	D.C.P.S Q3 TEMPERATURE	70	300	DEG F	209/245°				70
		45	961	D.C.P.S. Q4 TEMPERATURE	70	300	DEG F	209/245°				71
		46	961	D.C.P.S. + 24.5 VOLTS	-22	-27	VDC	209/245°			C	72
		47	961	D.C.P.S. INTERNAL TEMPERATURE	-80	200	DEG F	209/245°				73
		48	119	6 VOLT POWER SUPPLY BASE PLATE TEMP.	-80	200	DEG F	164/315°				74
		49	125	TEMPERATURE, LINER STA. 190 AT 240°	-80	200	DEG F	190/240°				75

Note:

Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK: 2,3P

TLM MODE: ORBITAL

BAND	TLM LOCATION		A	FUNCTION	RANGE		PHYS. LOCATION		AMB	PRIOR-ITY	CURVE
	FREQ	PULSE			LO	HI	UNITS	STA/ANG/RAD			
10	5.4	50	126	TEMPERATURE, VEHICLE STRUCTURE STA 190 at 300	-80	200	DEG F	190/300°			76
		51	71	TEMPERATURE, LINER, STA. 190 at 2°	-80	200	DEG F	184/350°			77
		52	123	TEMPERATURE OCV SKIN, STA. 190 at 60°	-80	200	DEG F	190/60°		D	78
		53	124	TEMPERATURE, OCV SKIN STA. 190 at 120°	-80	200	DEG F	190/120°		D	79
		54	72	TEMPERATURE, LINER, STA. 190 at 182°	-80	200	DEG F	190/182°		D	80
		55	149	TEMPERATURE, INSIDE INSULATION, STA 190 at 60°	0	130	DEG F	190/60°		D	81
		56	148	TEMPERATURE, INSIDE INSULATION, STA 190 at 180°	0	130	DEG F	190/180°		D	82
		57	150	TEMPERATURE, INSIDE INSULATION, STA 190 at 300	0	130	DEG F	190/300°		D	83
		58	162	TEMPERATURE, VEHICLE STRUCTURE, STA 127 at 180°	0	130	DEG F	127/180°		D	84
		59	106	TEMPERATURE, DECODER/PROGRAMMER PLATE	0	130	DEG F	192/356°		D	85
		60	165	TEMPERATURE, OUTSIDE INSUL. STA 209	-80	200	DEG F	216/Q IV			86
		61	156	TEMPERATURE, SECTION 5 HEATER, STA. 84 at 180°	0	130	DEG F	84/180°		B	87
		62	159	TEMPERATURE, SECTION 5 HEATER STA 104 at 25°	0	130	DEG F	104/25°		B	88
		63	157	TEMPERATURE, SECTION 5 HEATER, STA. 104 at 90°	0	130	DEG F	104/90°		B	89
		64	160	TEMPERATURE, SECTION 5 HEATER, STA 104 at 180°	0	130	DEG F	104/180°		B	90
		65	158	TEMPERATURE, SECTION 5 HEATER, STA 104 at 270°	0	130	DEG F	104/270°		B	91
		66	109	TEMPERATURE, STA. 64 at 0 DEGREES	-80	200	DEG F	69/0°		D	92

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Note:

Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK:

TLM MODE: ORBITAL

BAND	TLM LOCATION		A NO.	FUNCTION	RANGE		PHYS. LOCATION		AMB % F.S.	PRIOR-ITY	CURVE PAGE
	FREQ	PULSE			LO	HI	STA/ANG/RAD	UNITS			
10	5.4	67	110	TEMPERATURE, STA. 64 at 60 DEGREES	-80	200	68/55°	DEG F		D	93
		68	111	TEMPERATURE, STA 64 at 120 DEGREES	-80	200	68/115°	DEG F		D	94
		69	169	TEMPERATURE, STA. 64 at 180 DEGREES	-80	200	64/180°	DEG F		D	95
		70	113	TEMPERATURE, STA. 64 at 240 DEGREES	-80	200	64/240°	DEG F		D	96
		71	114	TEMPERATURE, STA. 64 at 300 DEGREES	-80	200	68/295°	DEG F		D	97
		72	168	TEMPERATURE, AFT EQUIPMENT STRUCTURE	-80	200		DEG F		D	98
		73	166	TEMPERATURE, ADAPTER STRUCTURE	0	130	78/360°	DEG F		D	99
		74	112	PIGGYBACK NO. 6	-80	200	64/180°	DEG F		D	100
		75	167	TEMPERATURE, DELTA III TRANSMITTER MOUNTING PLATE	-80	200	75/155°	DEG F			101
		76	173	TEMPERATURE, SIGNAL DATA RECORDER	-80	200	69/180°	DEG F		D	102
		77	1809	TEMPERATURE, THRUST CONE	-80	200	56.81/212°	DEG F		D	103
		78	1816	TEMPERATURE, CAPSULE	0	130	19/186°	DEG F		B	104
		79	1815	TEMPERATURE, RECOVERY BATTERY	0	130	19/180°	DEG F		B	105
		80		VOLTAGE RECOVERY BATTERY NO. 1	0	15.5		VDC		C	106
		81	108	TEMPERATURE OPERATIONAL BATTERY NO. 1	-76	320		DEG F		D	107
		82	174	TEMPERATURE OPERATIONAL BATTERY NO. 2	-76	320		DEG F		D	108

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Note:

Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK:

TLM MODE:

TLM LOCATION		A	FUNCTION	RANGE		PHYS. LOCATION		AMB	PRIOR-	CURVE
BAND	FREQ			LO	HI	UNITS	STA/ANG/RAD			
10	5.4	83	TEMPERATURE OPERATIONAL BATTERY NO. 3	-76	320	DEG F			D	109
		84	TEMPERATURE OPERATIONAL BATTERY NO. 4	-76	320	DEG F			D	110
		85	TEMPERATURE OPERATIONAL BATTERY NO. 5	-76	320	DEG F			D	111
		86	TEMPERATURE OPERATIONAL BATTERY NO. 6	-76	320	DEG F			D	112
		87	TEMPERATURE OPERATIONAL BATTERY NO. 7	-76	320	DEG F			D	113
		88	TEMPERATURE OPERATIONAL BATTERY NO. 8	-76	320	DEG F			D	114
		89	FRAME SYNC							115
		90	FRAME SYNC							116

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Note:
Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988
TLM LINK:

TLM MODE:

BAND	TLM LOCATION		A	FUNCTION	RANGE			PHYS. LOCATION		AMB	PRIOR-ITY	CURVE
	FREQ	PULSE			LO	HI	UNITS	STA	ANG/RAD			
12	10.5	1		GFE 2-15							B	122
		2		GFE 1-16							B	123
		3		GFE 1-29							B	124
		4		GFE 1-18							B	125
		5		CALIBRATION- 10 PERCENT								126
		6		GFE 1-12							A	127
		7		GFE 1-3							A	128
		8		GFE 1-33							A	129
		9		GFE 1-34							A	130
		10		GFE 1-35							A	131
		11		GFE 1-25							B	132
		12	1396	COMPUTER PHASE					120/190°		B	133
		13	1396	COMPUTER EVENTS					120/190°		C	134
		14		CURRENT COMMAND SUBSYSTEM								135
		15		CALIBRATION- 50 PERCENT								136
		16		PIGGYBACK NO. 1.								137

Note:

Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK:

TLM MODE:

TLM LOCATION		A	FUNCTION	RANGE		PHYS. LOCATION		AMB	PRIOR- ITY	CURVE PAGE
BAND	FREQ/PULSE			LO	HI	UNITS	STA/ANG/RAD			
12	10.5	17	PIGGYBACK NO. 2			EVENT			B	138
	18	1814	TEMPERATURE STAG. POINT AT 70 DEGREES	-76	320	DEG F	19/90°		B	139
	19	804	PRESSURE OCV OXIDIZER	0	350	PSIA	146/280°		B	140
	20	807	PRESSURE OCV FUEL	0	350	PSIA	146/60°		B	141
	21		5 V. D. C. Bus							142
	22		5 V. D. C. Bus							143
	23		5 V. D. C. Bus							144
	24		5 V. D. C. Bus							145
	25		CALIBRATION- 90 PERCENT							146
	26	130	RECORDER COUNTER - LSD			EVENT	154/0°		C	147
	27	130	RECORDER COUNTER			EVENT	154/0°		C	148
	28	130	RECORDER COUNTER - MSD			EVENT	154/0°		C	149
	29		FRAME SYNC							150
	30		FRAME SYNC							151

Note:
Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK:

TLM MODE:

TLM LOCATION		A NO.	FUNCTION		RANGE		PHYS. LOCATION		AMB % F.S.	PRIOR- ITY	CURVE
BAND	FREQ				LO	HI	STA	ANG/RAD			
13	14.5	1	700	SEPARATION MONITOR NO. 2			78	170°		B	153
		2		ANTENNA/ MAGNETOMETER ERECTION						C	154
		3	700	SEPARATION MONITOR NO. 4			78	170°		B	155
		4	700	SEPARATION MONITOR NO. 5			78	170°		B	156
		5		CALIBRATION- 10 PERCENT							157
		6	1980	SEPARATION MONITOR NO. 6			154	172°		B	158
		7	1980	SEPARATION MONITOR NO. 7			154	172°		B	159
		8		+5V BUS							160
		9		+5V BUS							161
		10	1965	PRESSURE, BUSS GAS	0	4000	216	90°		B	162
		11	1966	TEMPERATURE, BUSS GAS	0	130	209	303°		B	163
		12	1912	MAGNETOMETER ELECTRONICS TEMPERATURE	-50	150	216	198°		C	164
		13	1913	TEMPERATURE, F/C ELECTRONICS	-50	150	216	330°		C	165
		14	1914	TEMPERATURE, AUXILIARY TIMER	-50	150	216	209		C	166
		15		CALIBRATION- 50 PERCENT							167

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VEHICLE: 988

TLM LINK:

Note:

Tolerance for all function measurements is $\pm$ 5%.

Tolerance for all event measurements is $\pm$ 10%.

TLM MODE:

TLM LOCATION		A	FUNCTION	RANGE			PHYS. LOCATION		AMB	PRIOR-	CURVE
BAND	FREQ			LO	HI	UNITS	STA	ANG/RAD		ITY	
13	14.5	16	VOLTAGE MONITOR(BUSS)	26	33	VDC	216/Q	11		C	168
		17				EVENT	216/Q	111		B	169
		18	SELECTIVE ADDRESS MONITOR			EVENT	204/	160°		B	170
		19	MODE MONITOR			EVENT	216/Q	111		B	171
		20	SECURE COMMAND MONITOR-PPD ON			EVENT	216/	135°		B	172
		21	SECURE COMMAND MONITOR - BUSS EXECUTE			EVENT	216/	120°		B	173
		22	EVENT MONITOR			EVENT	216/Q	111		B	174
		23	+5V BUS								175
		24	+5V BUS								176
		25	CALIBRATION - 90 PERCENT								177
		26	+5V BUS								178
		27	+5V BUS								179
		28	+5V BUS								180
		29	FRAME SYNC								181
		30	FRAME SYNC								182

Note:
Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK:

TLM MODE:

BAND	TLM LOCATION		A	FUNCTION	RANGE			PHYS. LOCATION	AMB	PRIOR-ITY	CURVE
	FREQ	PULSE NO.			LO	HI	UNITS				
14	22.0	1	951	ROLL TORQUE MOTOR VOLTAGE	-24	+24	VDC	229.5/0°		C	184
		2	951	PITCH TORQUE MOTOR VOLTAGE	-24	+24	VDC	229.5/0°		C	185
		3	1016	ROLL IR COMPUTER	-5	+5	DEGS	188-198/158°		B	186
		4	1016	PITCH IR COMPUTER	-5	+5	DEGS	188-198/158°		B	187
		5		CALIBRATION- 10 PERCENT							188
		6	952	GYRO ROLL RATE- COARSE	-5	+5	DEG/SEC	140/360°		B	189
		7	952	GYRO PITCH RATE- COARSE	-1.5	+1.5	DEG/SEC	140/0°		B	190
		8	952	GYRO YAW RATE- COARSE	-1.5	+1.5	DEG/SEC	140/0°		B	191
		9	963	ROLL ATTITUDE ERROR ACA	-3	+3	DEG/SEC	125/357°		B	192
		10	964	PITCH ATTITUDE ERROR ACA	-3	+3	DEG/SEC	154/360°		B	193
		11	965	YAW ATTITUDE ERROR ACA	-3	+3	DEG/SEC	154/360°		B	194
		12	963	ROLL ACA OUTPUT			EVENT	125/357°		C	195
		13	964	PITCH ACA OUTPUT			EVENT	154/360°		C	196
		14	965	YAW ACA OUTPUT			EVENT	154/360°		C	197
		15		CALIBRATION- 50 PERCENT							198
		16	1026	INHIBIT TRANSFER			EVENT	188/160°		B	199

VEHICLE: 988

TLM LINK:

Note:

Tolerance for all function measurements is $\pm 5\%$.

Tolerance for all event measurements is $\pm 10\%$.

TLM MODE:

TLM LOCATION		A	FUNCTION			RANGE			PHYS. LOCATION		AMB	PRIOR-	CURVE
BAND	FREQ					LO	HI	UNITS	STA/ANG/RAD	Z F.S.		ITY	PAGE
14	22.0	17	951	YAW TORQUE				EVENT	229.5/0°			B	200
		18		CURRENT STABILIZATION SUBSYSTEM		0	18	AMPS					201
		19		GFE 1-13									202
		20		GFE 1-14									203
		21		GFE 1-17									204
		22		GFE 1-20									205
		23		GFE 1-27									206
		24		GFE 1-19									207
		25		CALIBRATION- 90 PERCENT									208
		26		GFE 1-21									209
		27		GFE 1-22									210
		28		GFE 1-23									211
		29		FRAME SYNC									212
		30		FRAME SYNC									213

Note:

Tolerance for all function measurements is $\pm 5\%$.
 Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK:

TLM MODE:

BAND	TLM LOCATION		A	FUNCTION	RANGE			PHYS. LOCATION		AMB	PRIOR-ITY	CURVE
	FREQ	PULSE			LO	HI	UNITS	STA	ANG/RAD			PAGE
15	30.0	1		H-30 CONTINUITY LOOP/SEPARATION EVENTS			EVENTS				B	214
		2		SEPARATION MONITOR NO.1								215
		3		5 V. D. C. Bus								216
		4		5 V. D. C. Bus								217
		5		CALIBRATION- 10 PERCENT								218
		6	357	SECURE WORD COUNT 1 (LEAST)	0	5	VDC	188/0°			B	219
		7	357	SECURE WORD COUNT 2	0	5	VDC	188/0°			B	220
		8	357	SECURE WORD COUNT 3	0	5	VDC	188/0°			B	221
		9	357	SECURE WORD COUNT 4	0	5	VDC	188/0°			B	222
		10	357	SECURE WORD COUNT 5	0	5	VDC	188/0°			B	223
		11	357	SECURE WORD COUNT 6	0	5	VDC	188/0°			B	224
		12	357	SECURE WORD COUNT 7 (MOST)	0	5	VDC	188/0°			B	225
		13	359	DELAY LINE 1 AND/ OR 2			EVENT	173/0°			A	226
		14	359	DELAY LINE 3 AND/ OR 4			EVENT	173/0°			A	227
		15		CALIBRATION- 50 PERCENT								228

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VEHICLE: 988
TLM LINK:

Note:
Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

TLM MODE:

TLM LOCATION		A NO.	FUNCTION	RANGE			PHYS. LOCATION		AMB % F.S.	PRIOR- ITY	CURVE PAGE
BAND	FREQ			LO	HI	UNITS	STA	ANG/RAD			
15	30.0	16	801	PRESSURE, O/A N(2) REG. INLET			198	0°		B	229
		17	116	TEMPERATURE, COLD GAS TANK			-80	217/38°		B	230
		18	117	TEMPERATURE, COLD GAS TANK			-80	217/321		B	231
		19	986	PRESSURE ATTITUDE CONTROL STORAGE TANK			0	BLKHD FWD/Q1		B	232
		20	1025	PRESSURE SWITCH, COLD GAS			0	216/0°		B	233
		21		5 V BUS							234
		22		REDUNDANT PNEUMATICS				135/15°			235
		23		GFE 1-11							236
		24		GFE 1-26							237
		25		CALIBRATION - 90 PERCENT							238
		26		GFE 1-28							239
		27		GFE 2-2							240
		28		22 VDC MONITOR			0		24.5	VDC	C 241
		29		FRAME SYNC							242
		30		FRAME SYNC							243

Note:
Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988
TLM LINK:

TLM MODE:

TLM LOCATION		A NO.	FUNCTION	RANGE		PHYS. LOCATION		AMB % F.S.	PRIOR- ITY	CURVE PAGE
BAND	FREQ PULSE			LO	HI	UNITS	STA/ANG/RAD			
16	40.0	1	VOLTAGE, OCV BUS PRIMARY	23	33	VDC	154/199°		B	245
		2	VOLTAGE BUSS / SEP BACKUP BATTERY	23	33	VDC				246
		3	DC POWER SUPPLY VOLTAGE INPUT	26	33	VDC	209/245°		C	247
		4	COMMAND DECODER VOLTAGE MONITOR	24	31	VDC	188/0°		C	248
		5	CALIBRATION- 10 PERCENT							249
		6	CURRENT OP BATTERY NO. 1	0	10	AMPS	154/199°		B	250
		7	CURRENT OP BATTERY NO. 2	0	10	AMPS	154/199°		B	251
		8	CURRENT OP BATTERY NO. 3	0	10	AMPS	154/199°		B	252
		9	CURRENT OP BATTERY NO. 4	0	10	AMPS	154/199°		B	253
		10	CURRENT OP BATTERY NO. 5	0	10	AMPS	154/199°		B	254
		11	CURRENT OP BATTERY NO. 6	0	10	AMPS	154/199°			255
		12	CURRENT OP BATTERY NO. 7	0	10	AMPS	154/199°			256
		13	CURRENT OP BATTERY NO. 8	0	10	AMPS	154/199°			257
		14	CURRENT, BUSS/SEP. BACK-UP BATT.	0	2.0	AMPS				258
		15	CALIBRATION- 50 PERCENT							259

Note:
Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988

TLM LINK:

TLM MODE:

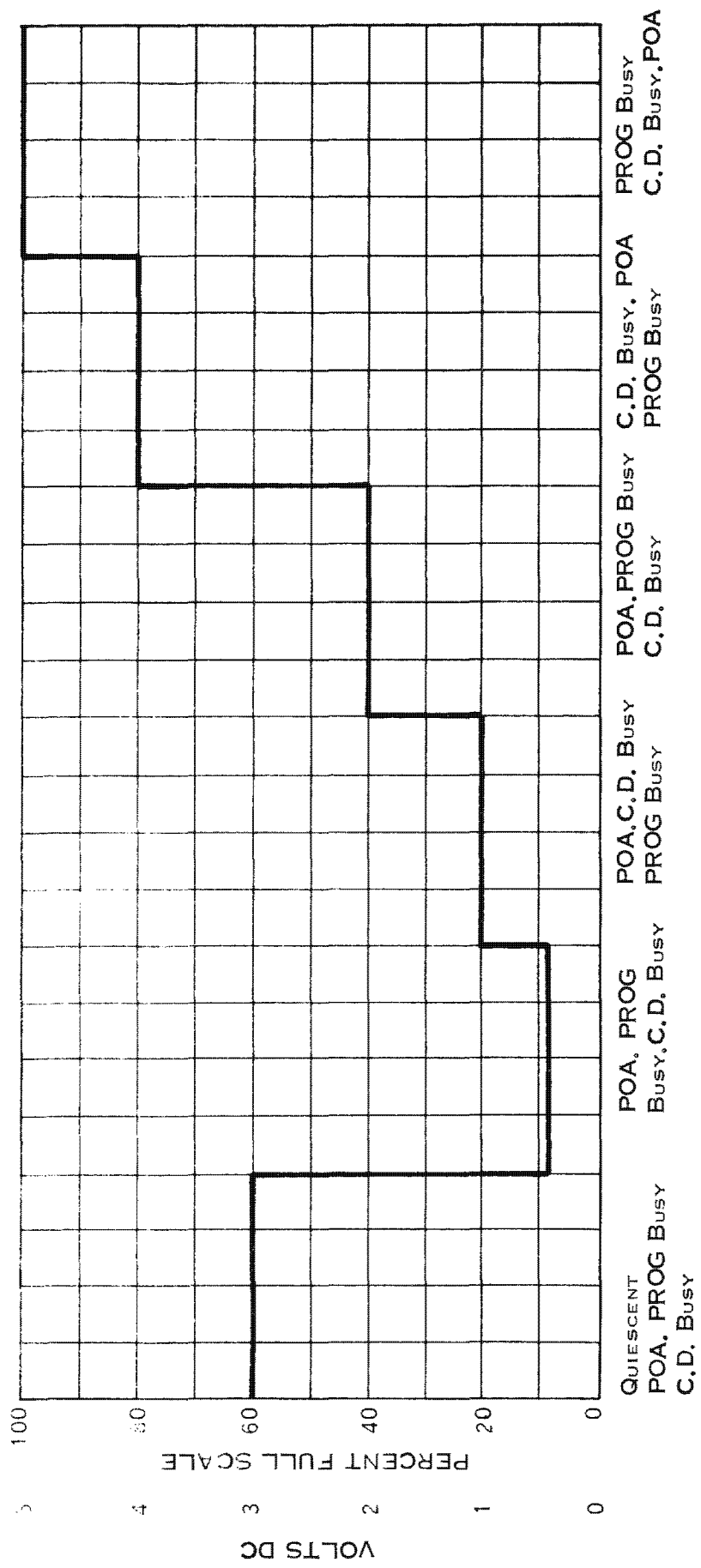
BAND	TLM LOCATION		A NO.	FUNCTION	RANGE			PHYS. LOCATION STA/ANG/RAD	AMB % F.S.	PRIOR- ITY	CURVE PAGE
	FREQ	PULSE			LO	HI	UNITS				
16	40.0	16	2241	AMPERE HOUR METER TOTAL	0	30	AMP H	154/199°		B	260
		17	2241	AMPERE HOUR METER TOTAL	0	120	AMP H	154/199°		B	261
		18	2241	AMPERE HOUR METER TOTAL	0	480	AMP H	154/199°		B	262
		19	1951	"P" AXIS MAGNETOMETER	-550	+550	MGAUSS	209/355°		B	263
		20	1951	"Q" AXIS MAGNETOMETER	-550	+550	MGAUSS	209/355°		B	264
		21	1951	"R" AXIS	-550	+550	MGAUSS	209/355°		B	265
		22	951	PITCH DEMODULATOR ERROR				229.5/0°		D	266
		23	951	ROLL DEMODULATOR ERROR				229.5/0°		D	267
		24	951	YAW DEMODULATOR ERROR				229.5/0°		D	268
		25		CALIBRATION- 90 PERCENT							269
		26	350	TEMPERATURE, "S" BAND BEACON- INT	0	160	DEG F	75/225°		A	270
		27	350	"S" BAND BEACON INTERROGATE	0	1600	PPS	75/225°		A	271
		28	350	"S" BAND BEACON TRANSMIT	0	1600	PPS	75/225°		A	272
		29		FRAME SYNC							273
		30		FRAME SYNC							274

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BAND 6

1.7 KC



FUNCTION: COMMAND DECODER/PROG. SIGNAL VEHICLE: 988

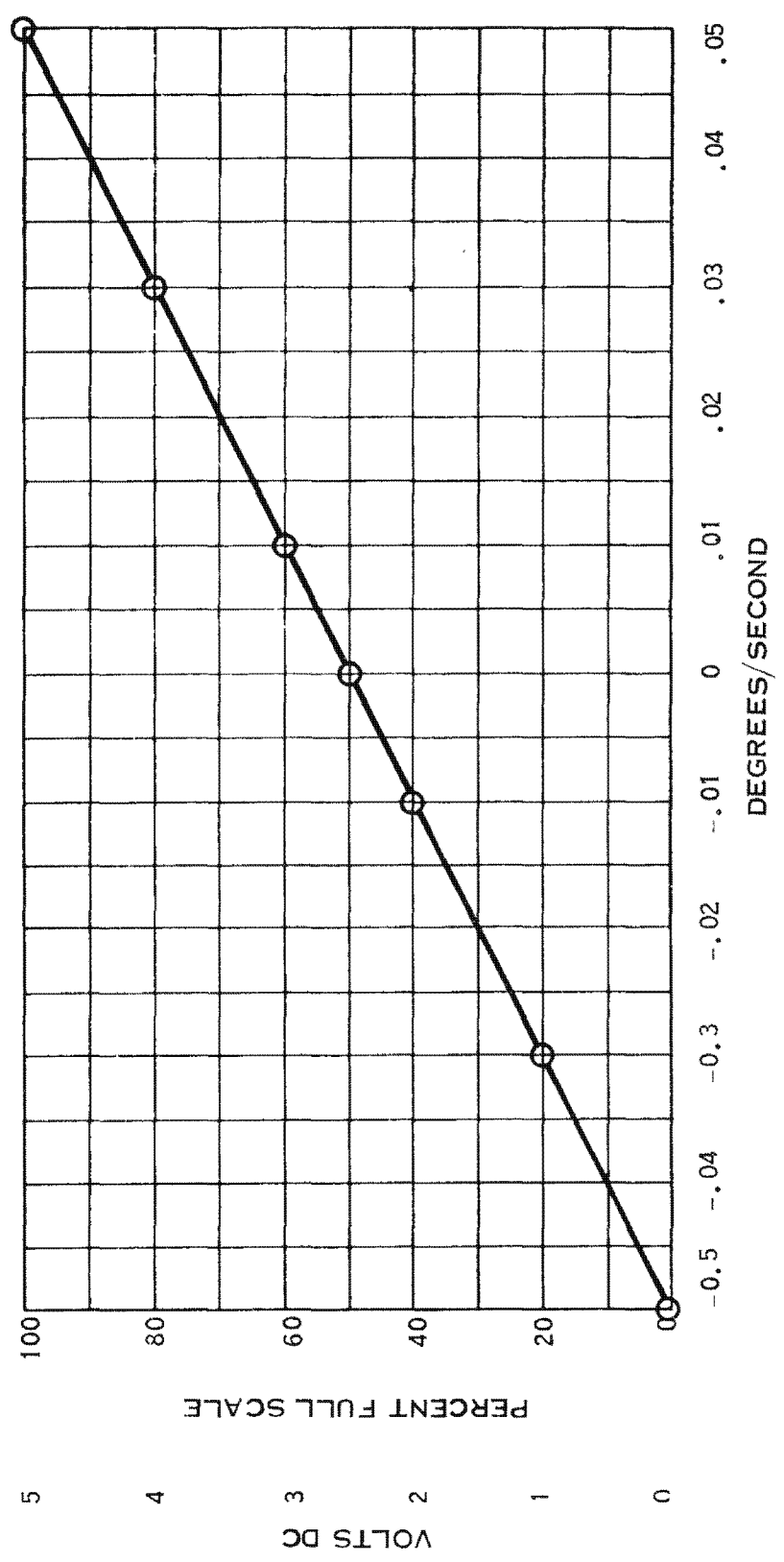
RANGE: STA/RAD: 188/0° BAND: 6 (1.7 KC)

DRAWING NO: 242E564 G15 SV SECTION: 6 PULSE: CONTINUOUS

"A" NUMBER: 357 DATA SOURCE: SYSTEMS DATA EXCITATION:

BAND 7

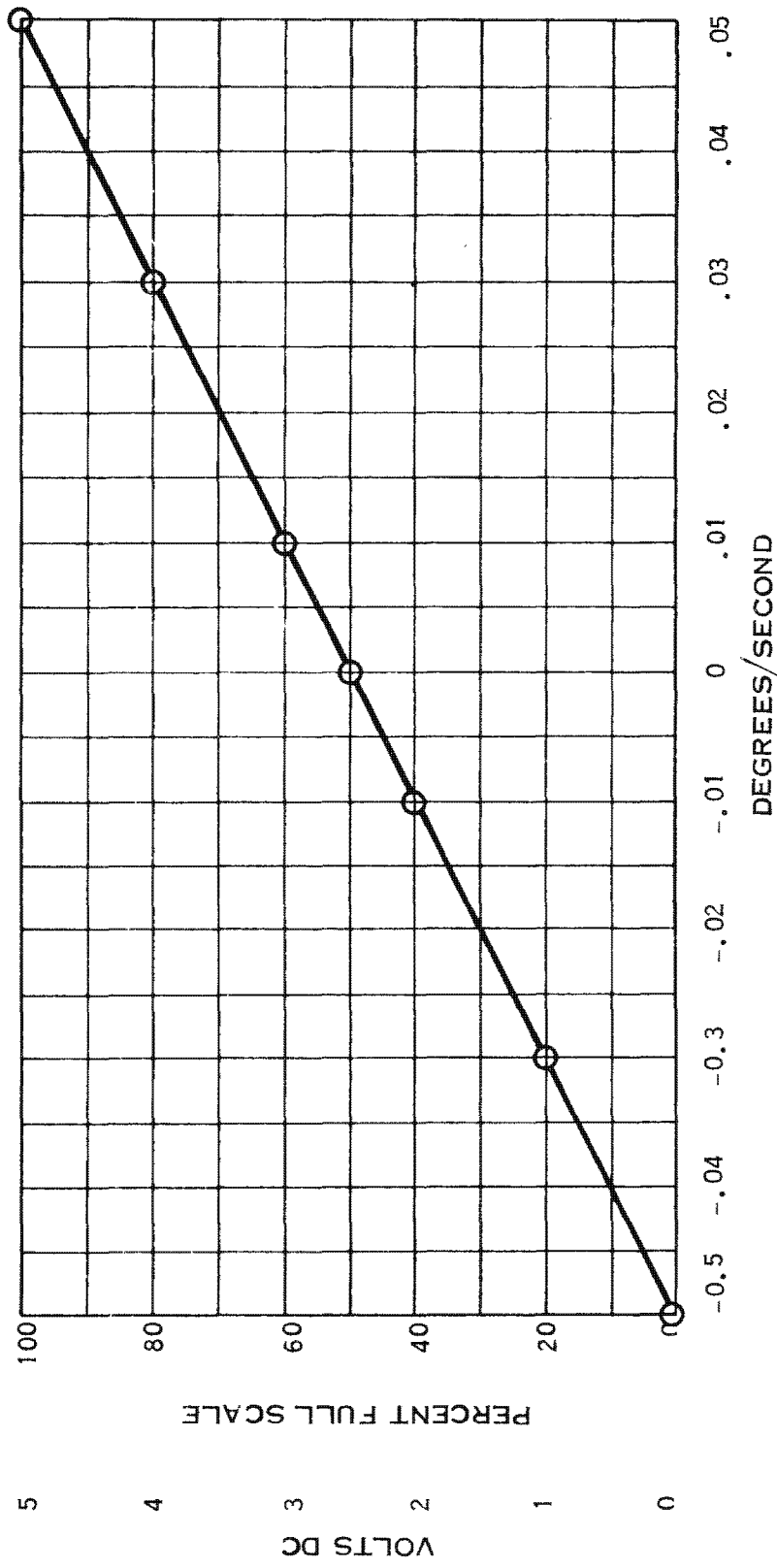
2.3 KC



FUNCTION:	GYRO ROLL RATE — FINE	VEHICLE:	988
RANGE:	±.05 DEGREES/SECOND	BAND:	7 (2.3 KC)
DRAWING NO:	725E 257 G16	PULSE	CONTINUOUS
"A" NUMBER:	963	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA

BAND 8

3.0 KC

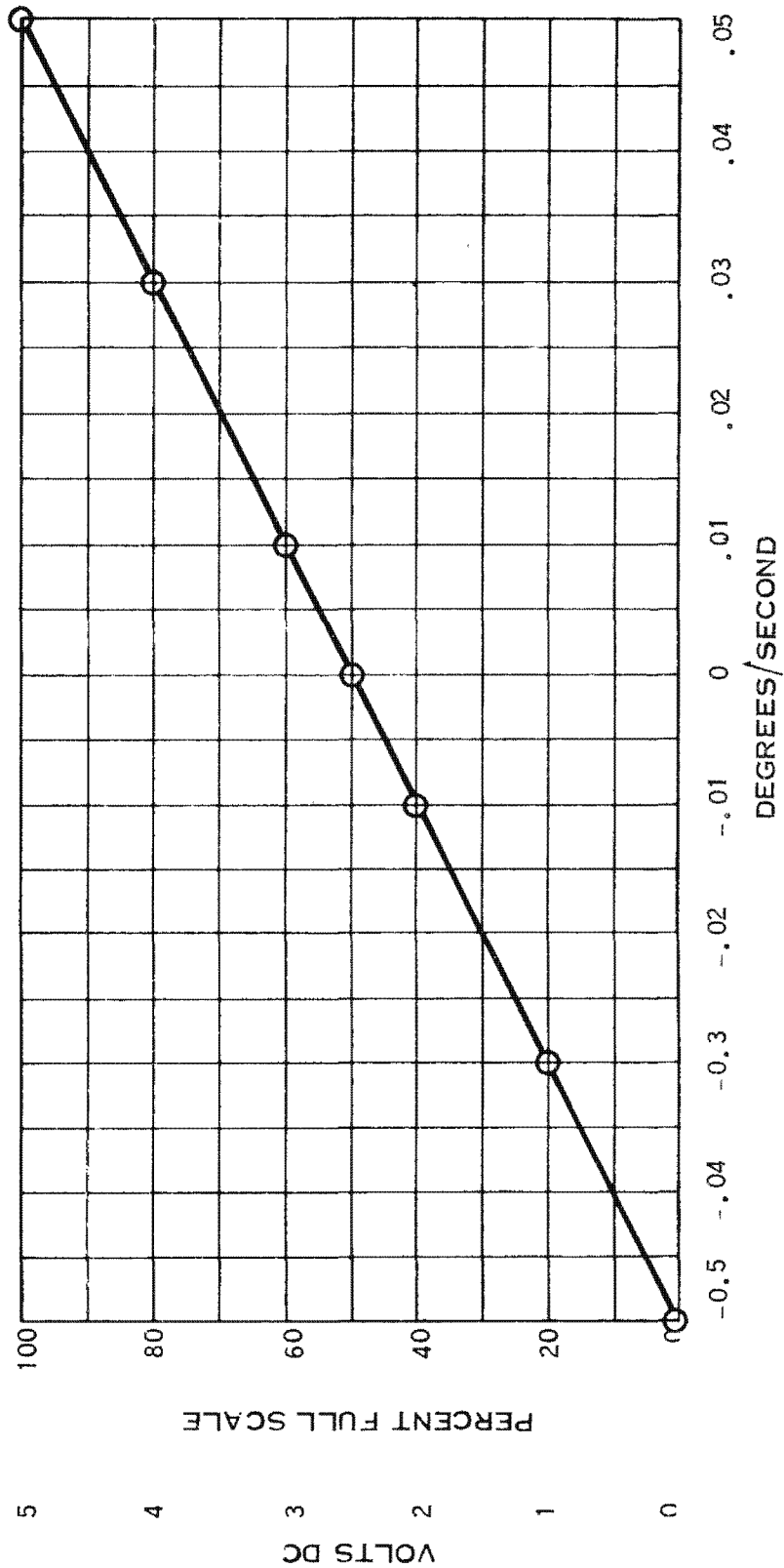


FUNCTION:	GYRO PITCH RATE - FINE	VEHICLE:	988
RANGE:	± 0.05 DEGREES/SECOND	BAND:	8 (3.0 KC)
DRAWING NO:	725E257 G13	PULSE:	CONTINUOUS
"A" NUMBER:	964	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA

BAND 9

3.9 KC

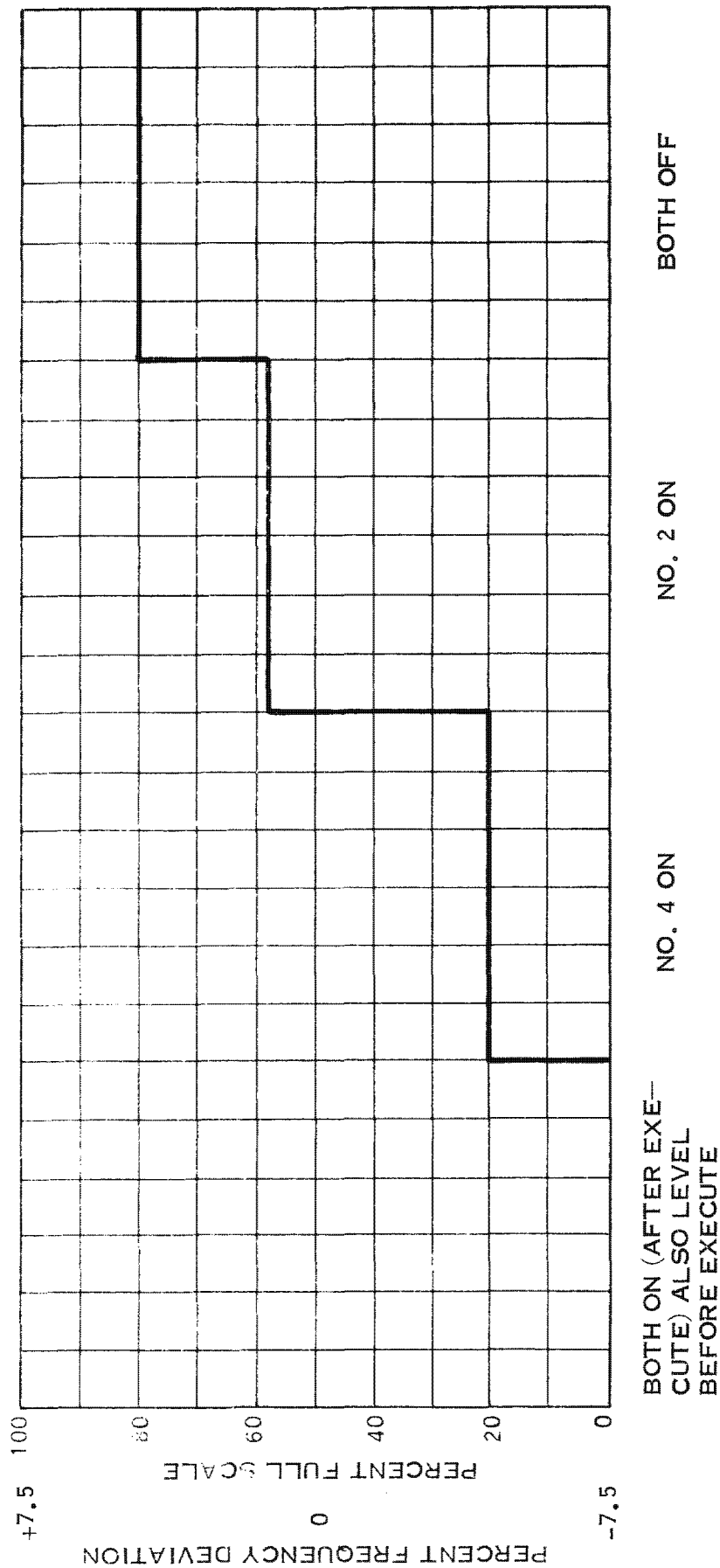
4C53-988



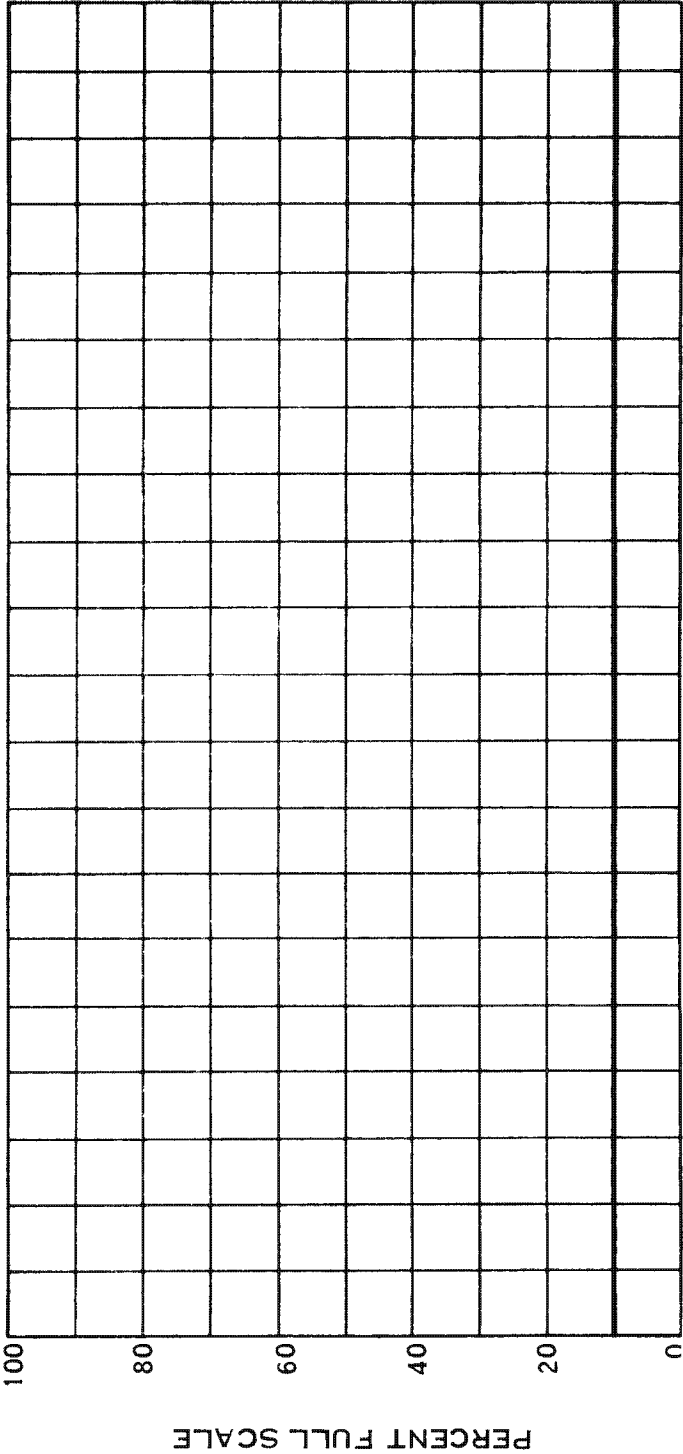
FUNCTION:	GYRO YAW RATE - FINE	VEHICLE:	988
RANGE:	± .05 DEGREES/SECOND	BAND:	9 (3.9 KC)
DRAWING NO:	725E 257 G13	PULSE:	CONTINUOUS
"A" NUMBER:	965	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA

BAND 10

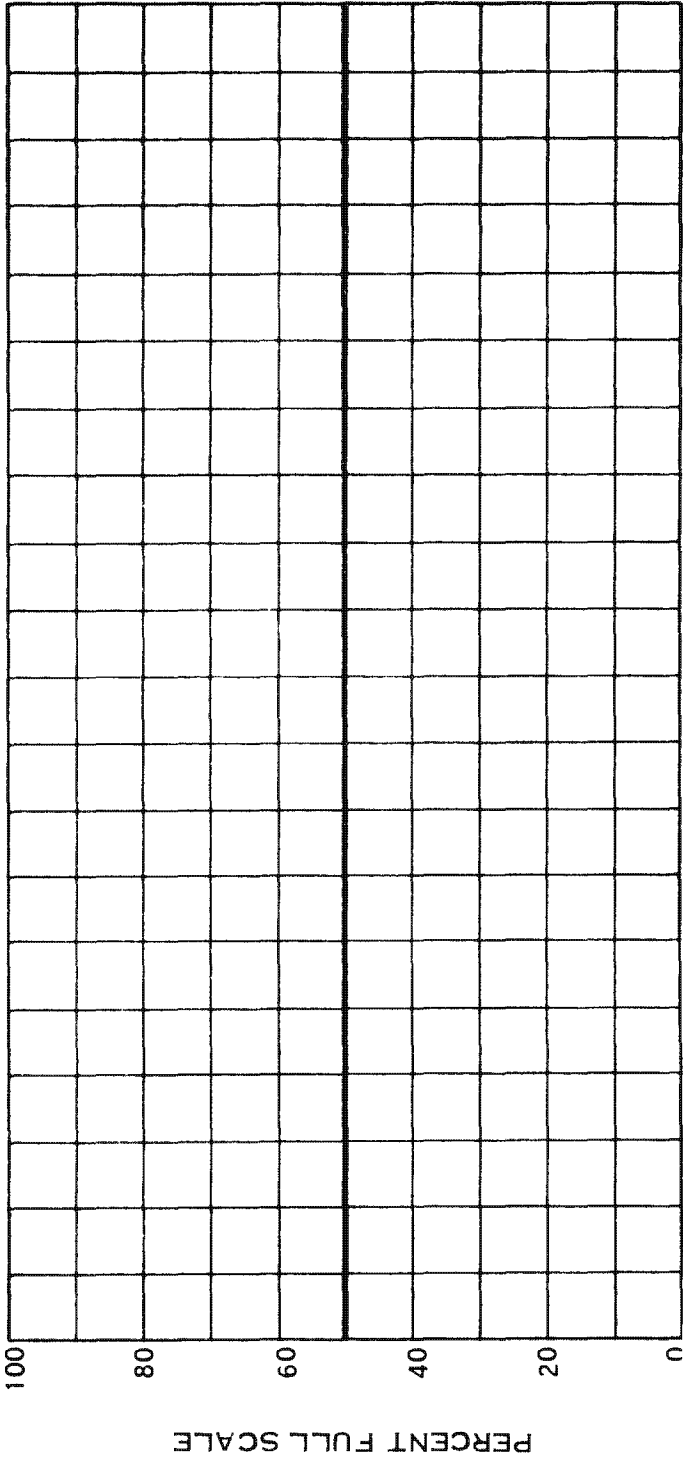
5.4 KC



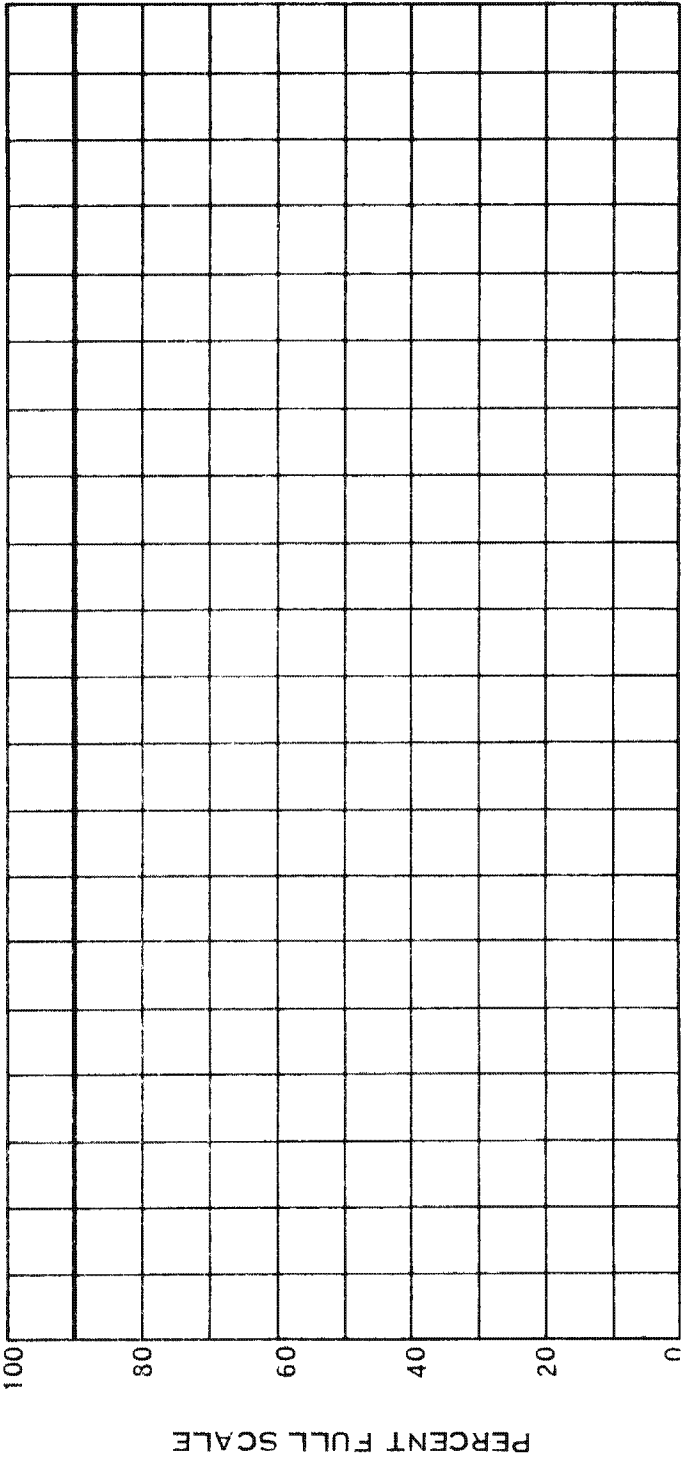
FUNCTION:	P AXIS VALVES	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:	1461645-1	PULSE:	CONTINUOUS
"A" NUMBER:	1955, 1957	EXCITATION:	28 VDC
		DATA SOURCE:	SYSTEMS DATA



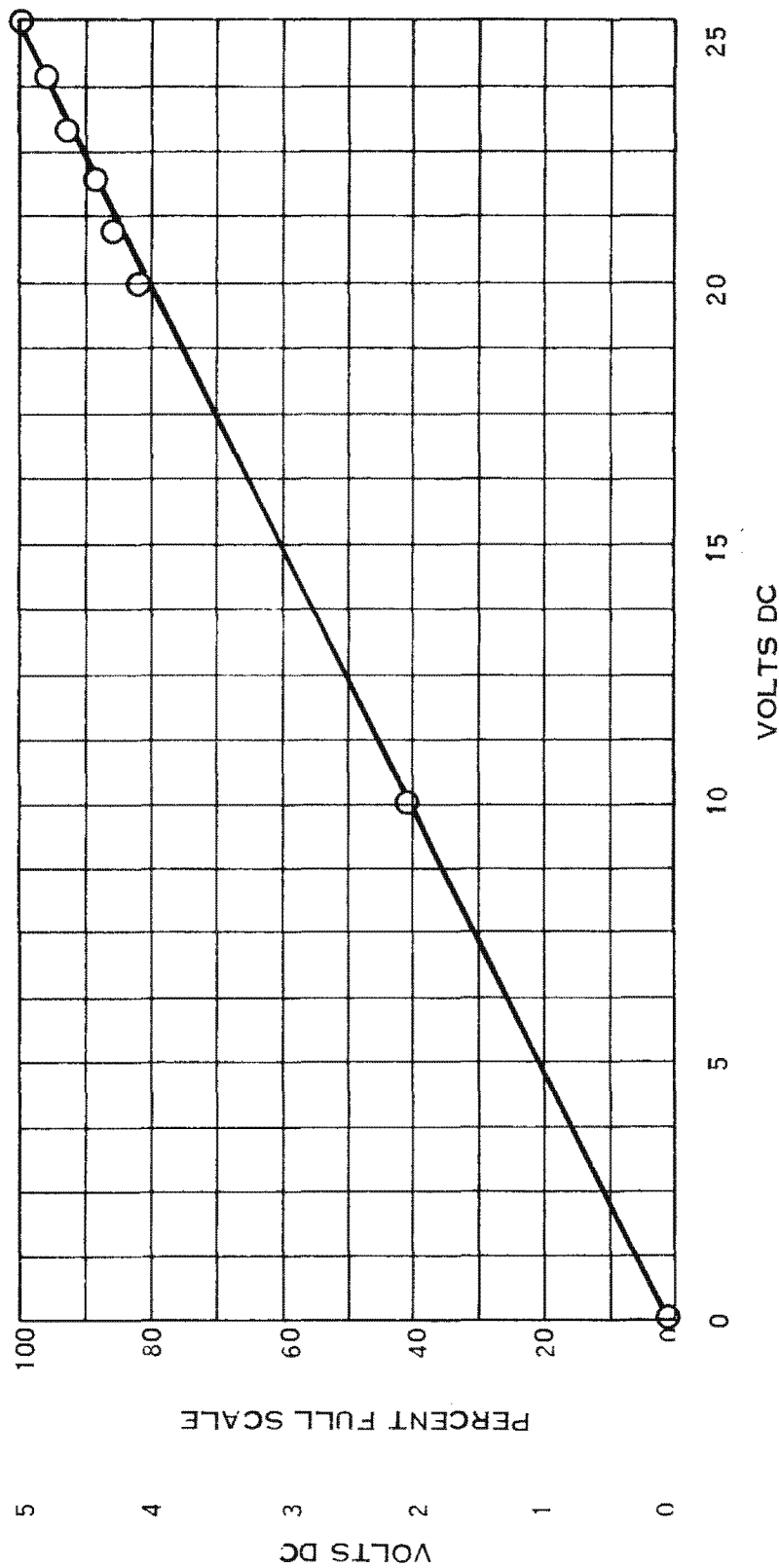
FUNCTION:	CALIBRATION — 10 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	10 (5.4 KC)
DRAWING NO:	SV SECTION:	PULSE:	1
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION:	CALIBRATION — 50 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	10 (5.4 KC)
DRAWING NO:	SV SECTION:	PULSE:	2
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION:	CALIBRATION — 90 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	10 (5.4 KC)
DRAWING NO:	SV SECTION:	PULSE:	3
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION: 22 VDC MONITOR

VEHICLE: 988

RANGE: 0 TO 24.5 VDC

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

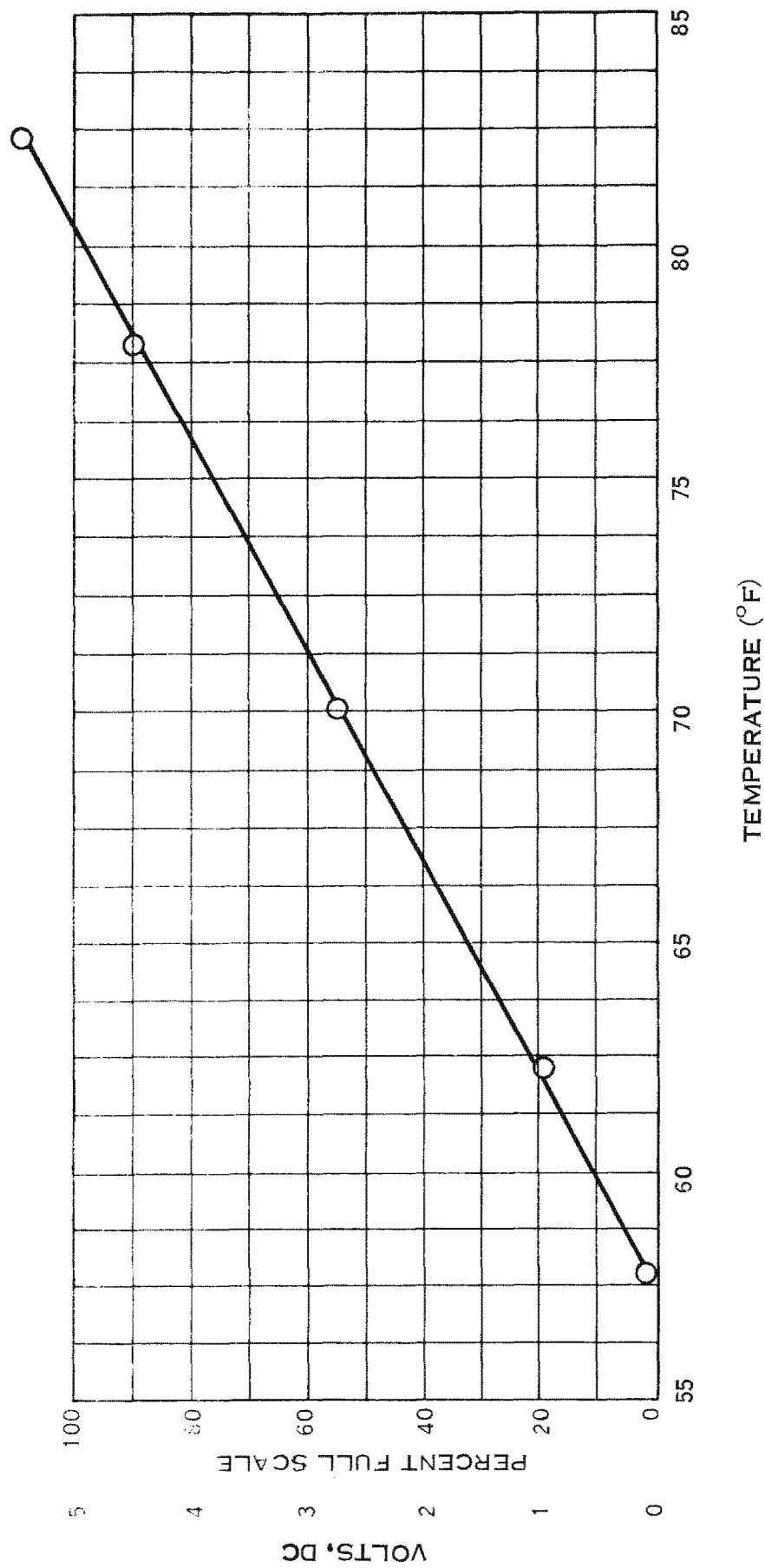
SV SECTION:

PULSE: 4

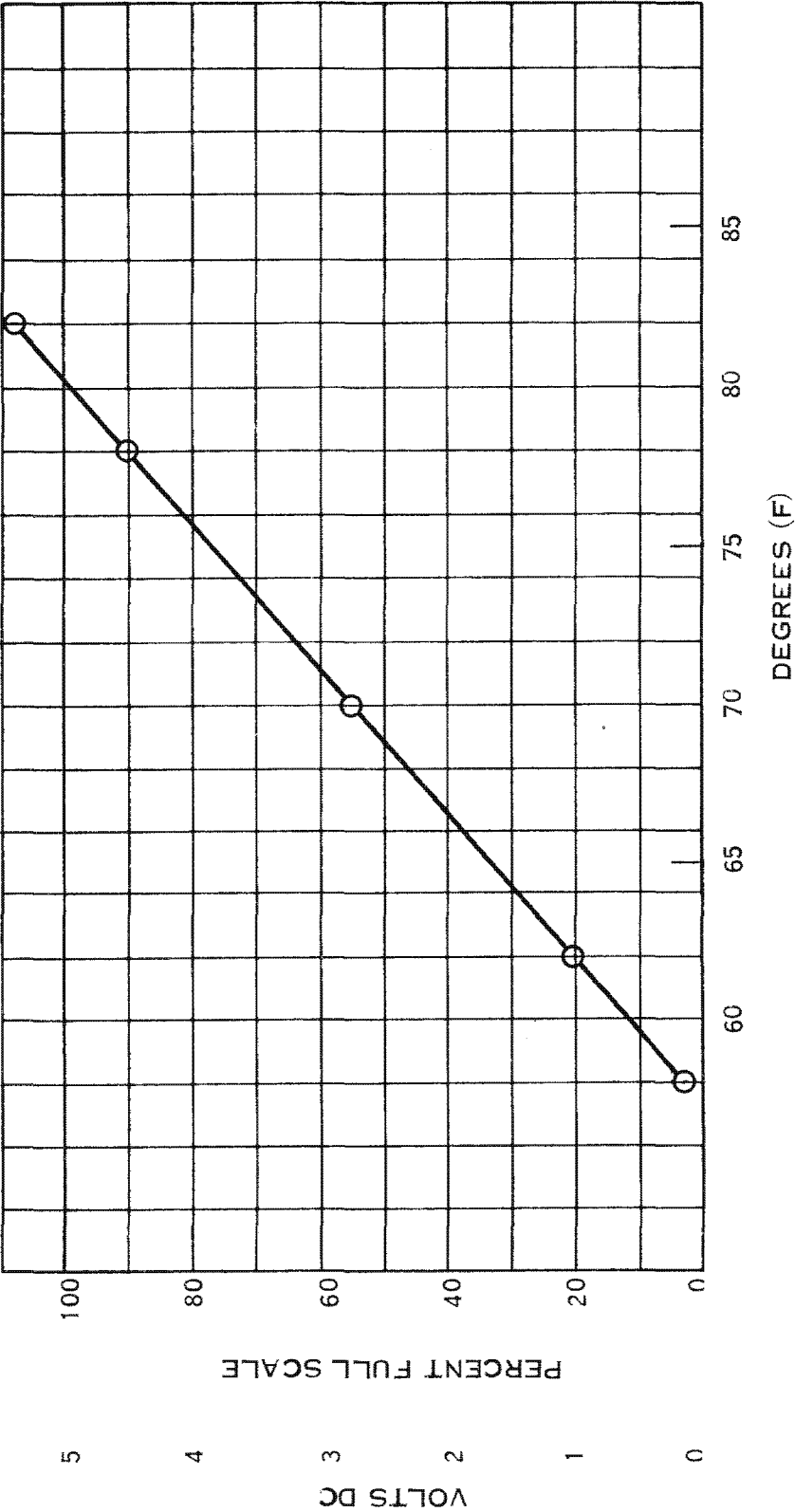
"A" NUMBER:

DATA SOURCE: SYSTEMS DATA

EXCITATION:



FUNCTION:	GFE 1-4	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	5
"A" NUMBER:		EXCITATION:	



FUNCTION: GFE 1-5

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

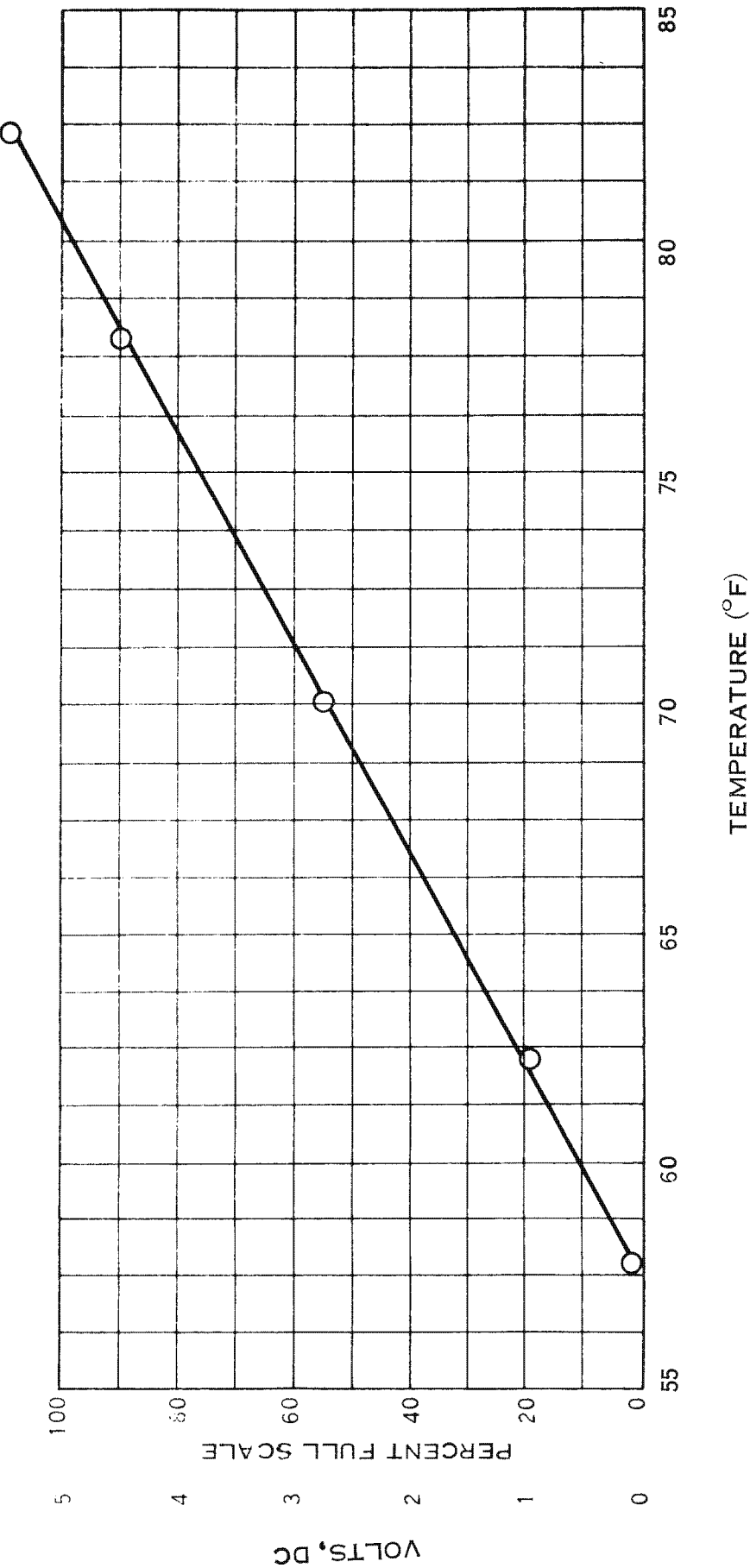
SV SECTION:

PULSE: 6

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: GFE 1-6

VEHICLE: 988

RANGE:

BAND: 10 (5.4 KC)

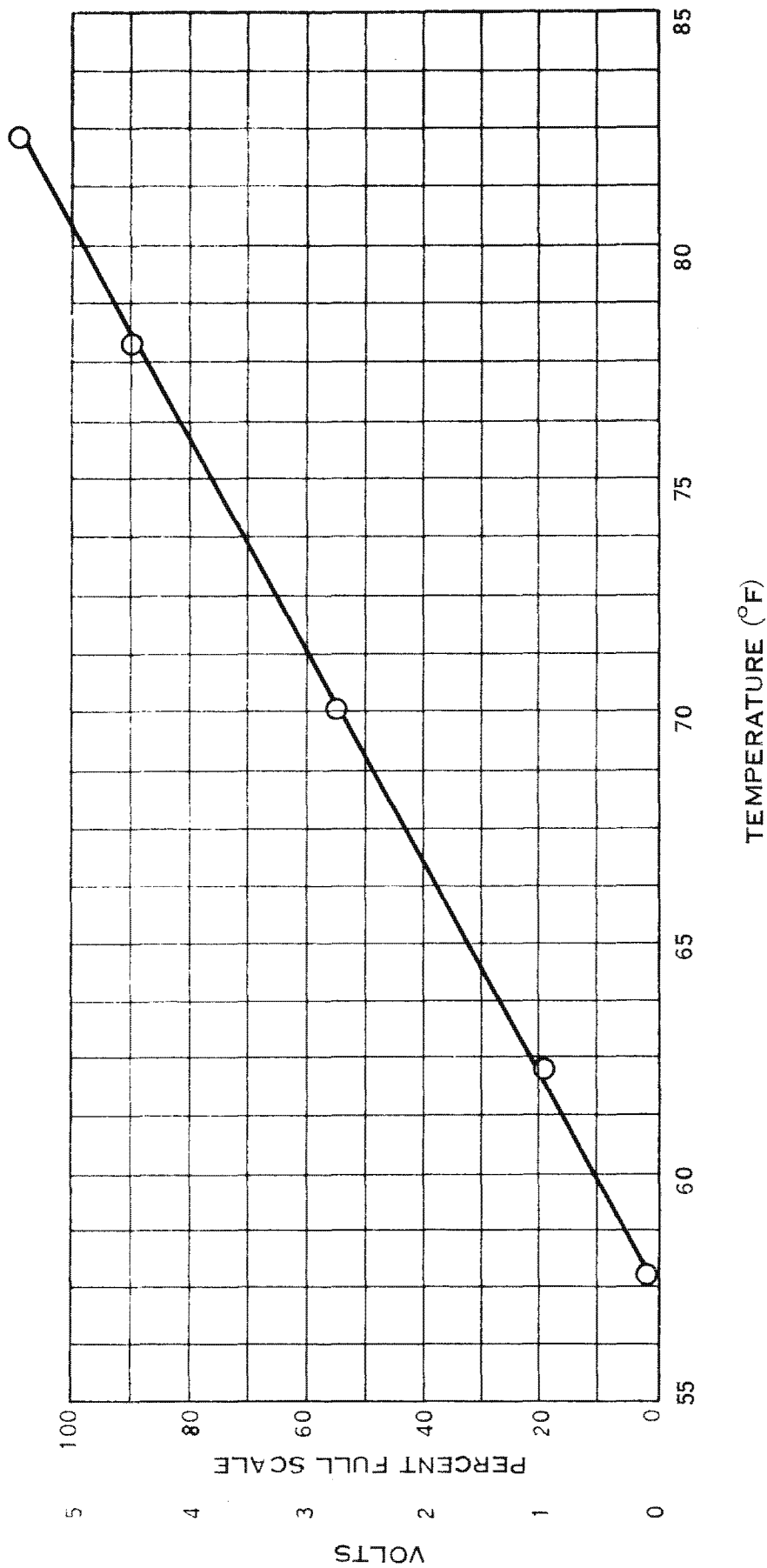
DRAWING NO:

PULSE: 7

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: GFE 1-7

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

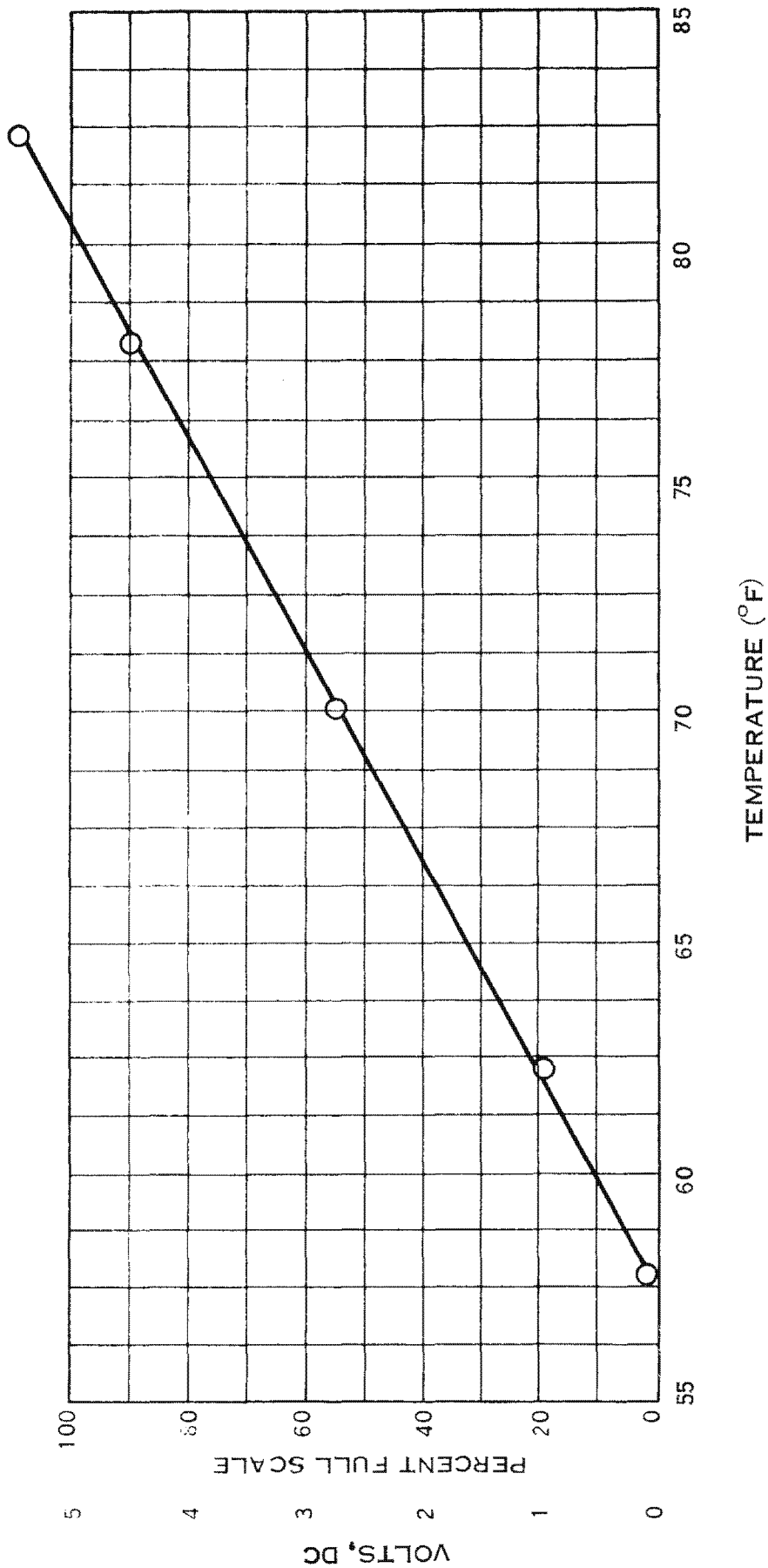
SV SECTION:

PULSE: 8

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: GFE 1-8

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

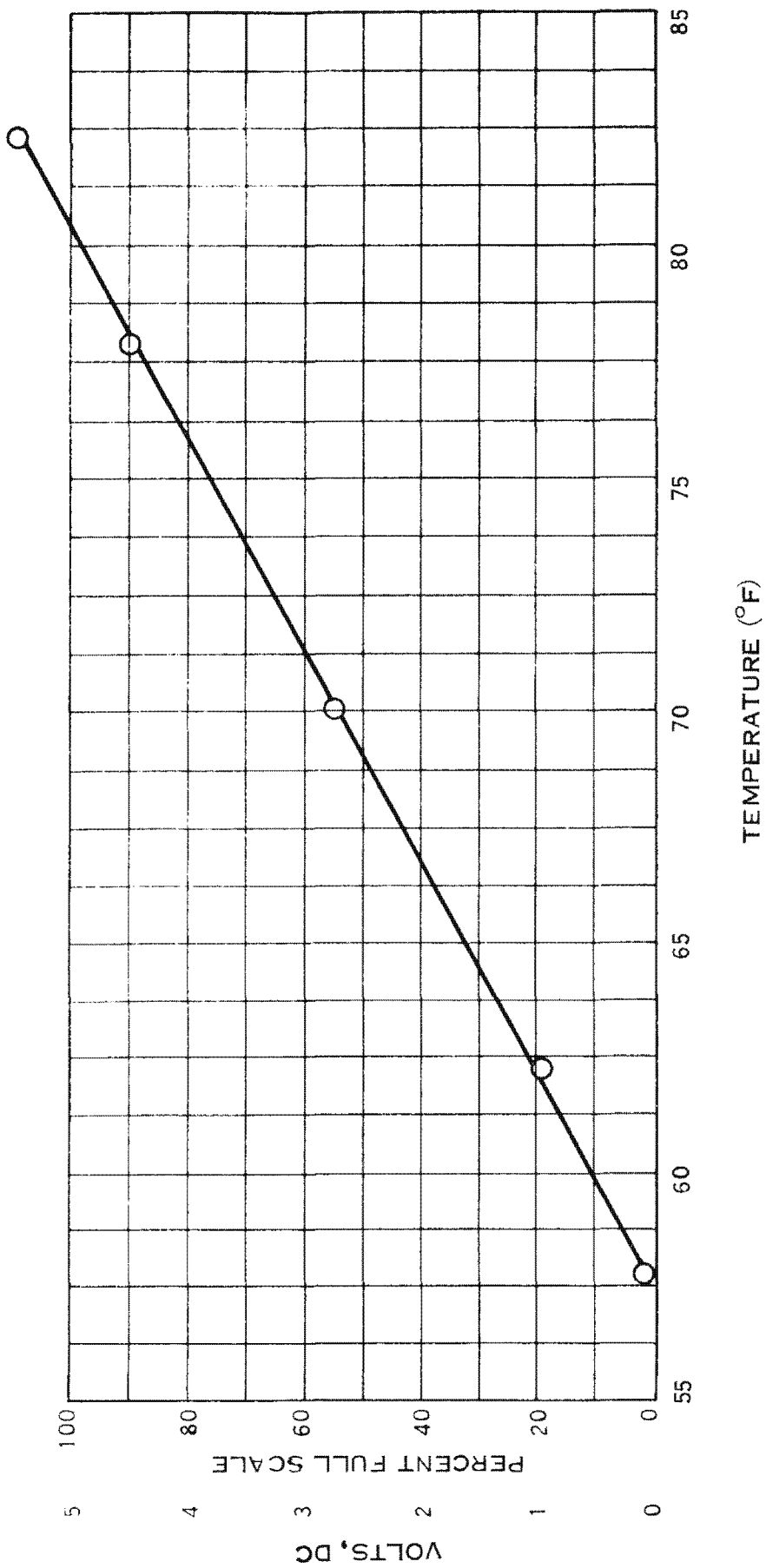
SV SECTION:

PULSE: 9

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: GFE 1-9

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

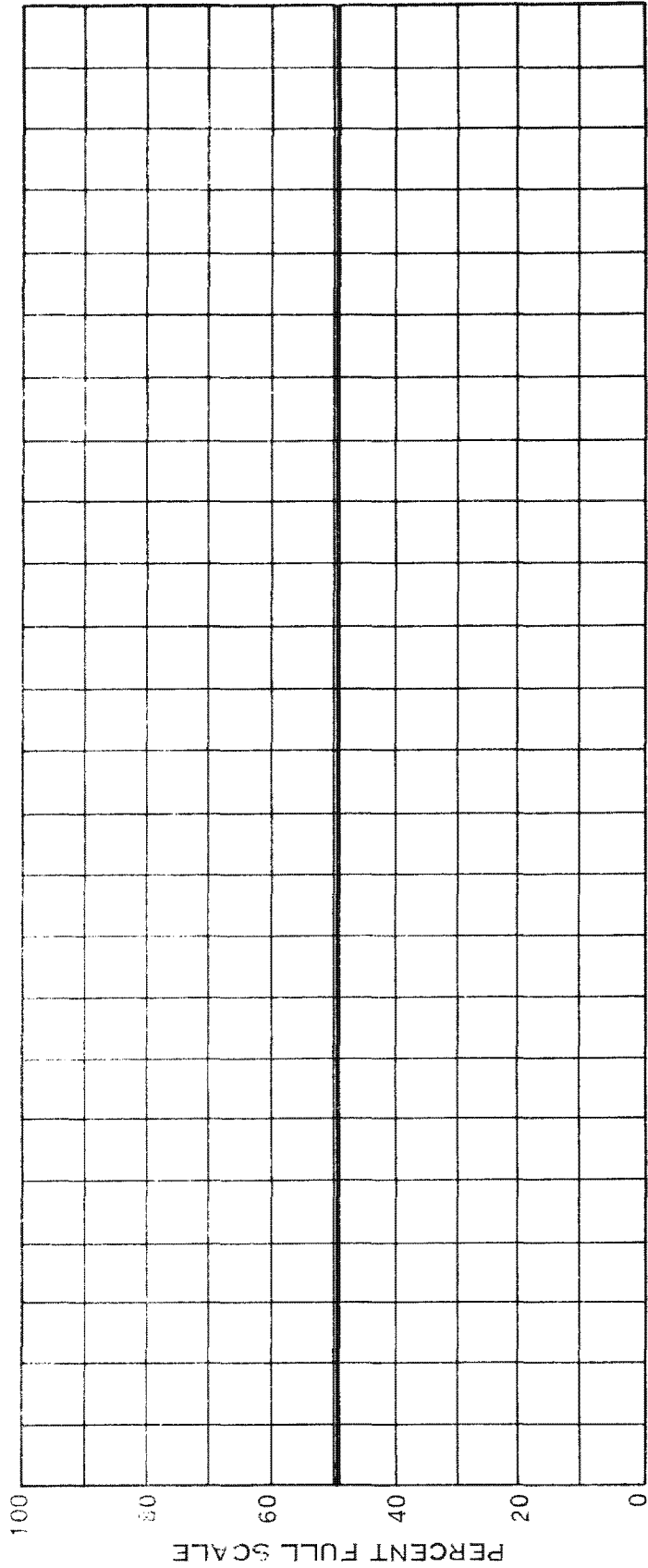
SV SECTION:

PULSE: 10

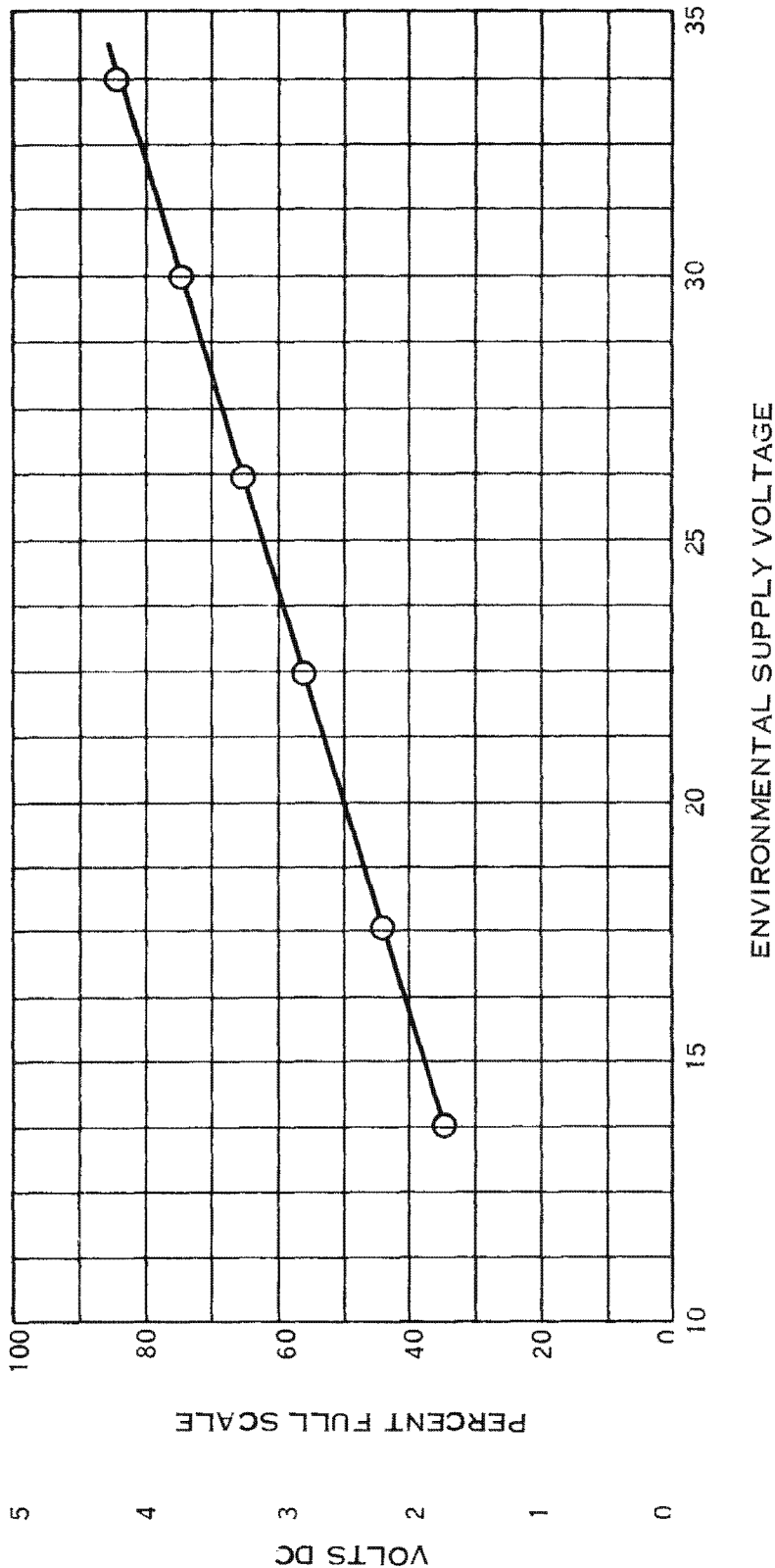
"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION:	GFE 1-10	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	11
"A" NUMBER:		EXCITATION:	



FUNCTION: GFE 1-26

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

STA/RAD:

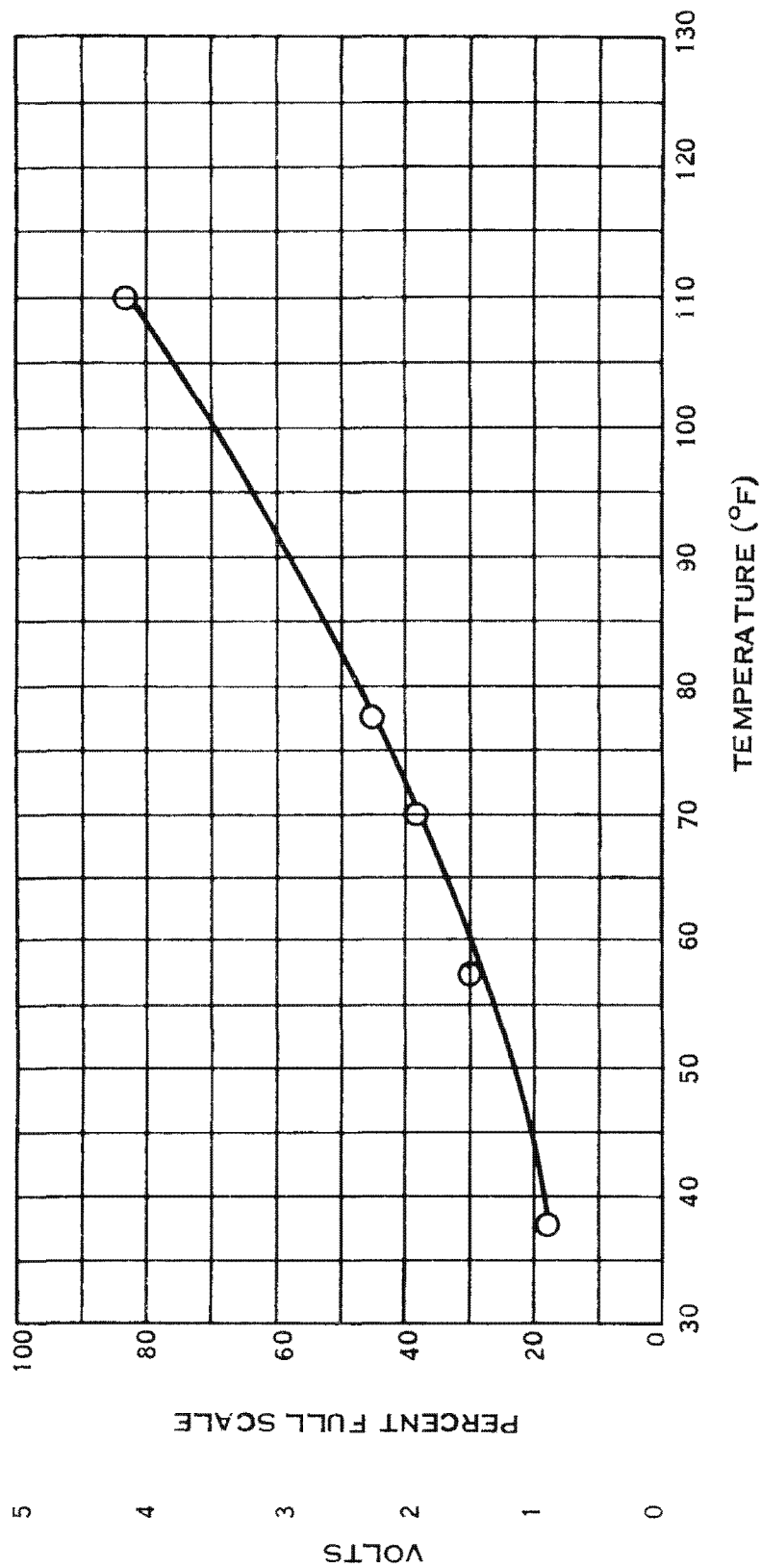
SV SECTION:

DATA SOURCE:

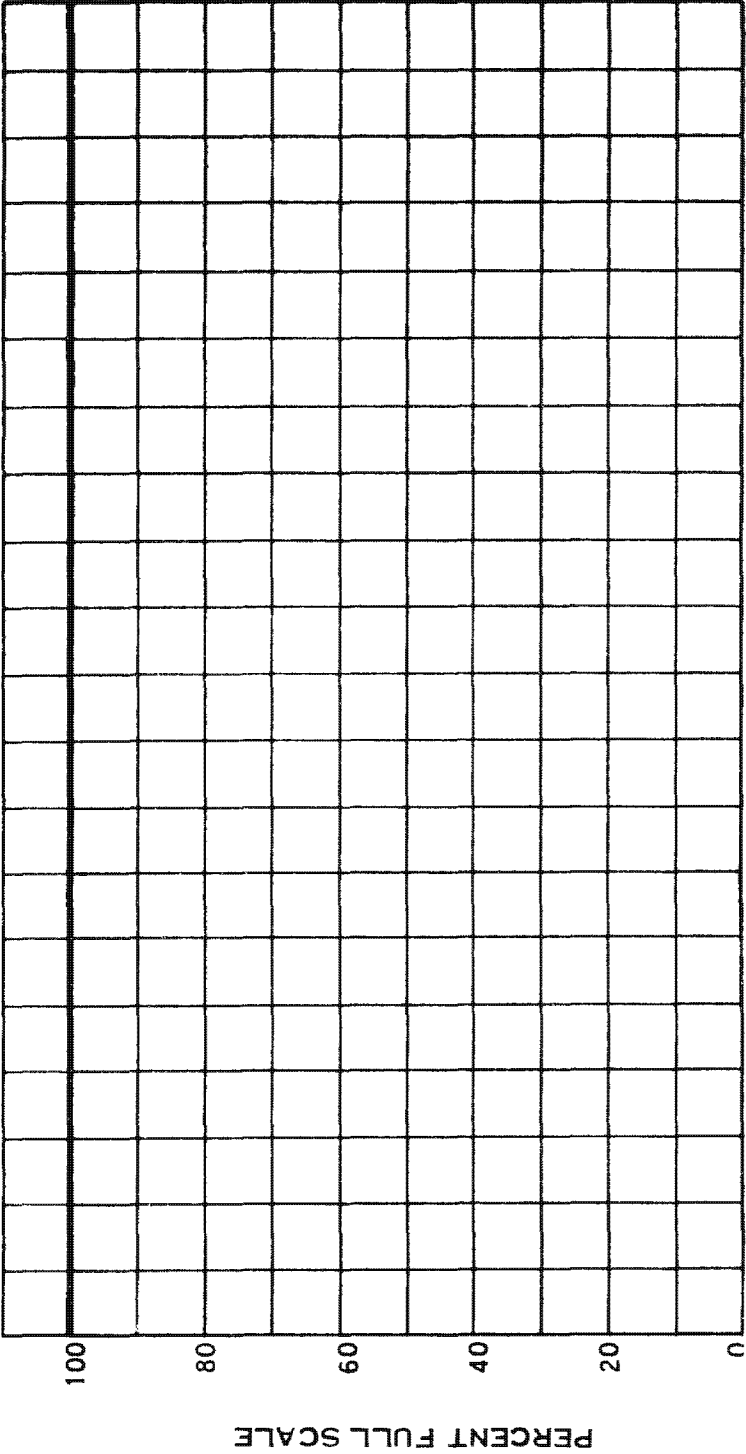
BAND: 10 (5.4 KC)

PULSE: 12

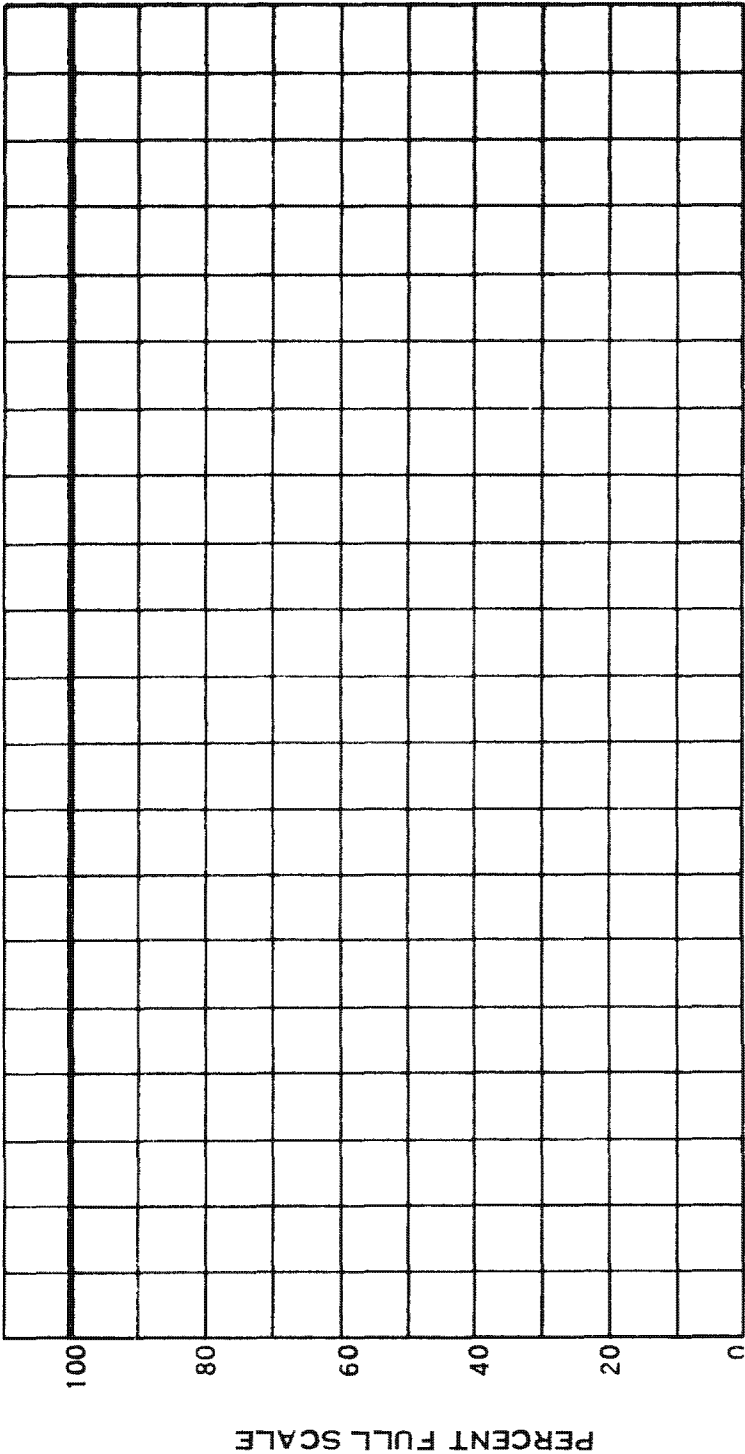
EXCITATION:



FUNCTION:	GFE 2-2	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	13
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION:	5 VDC BUS	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	14
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION: 5 VDC BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

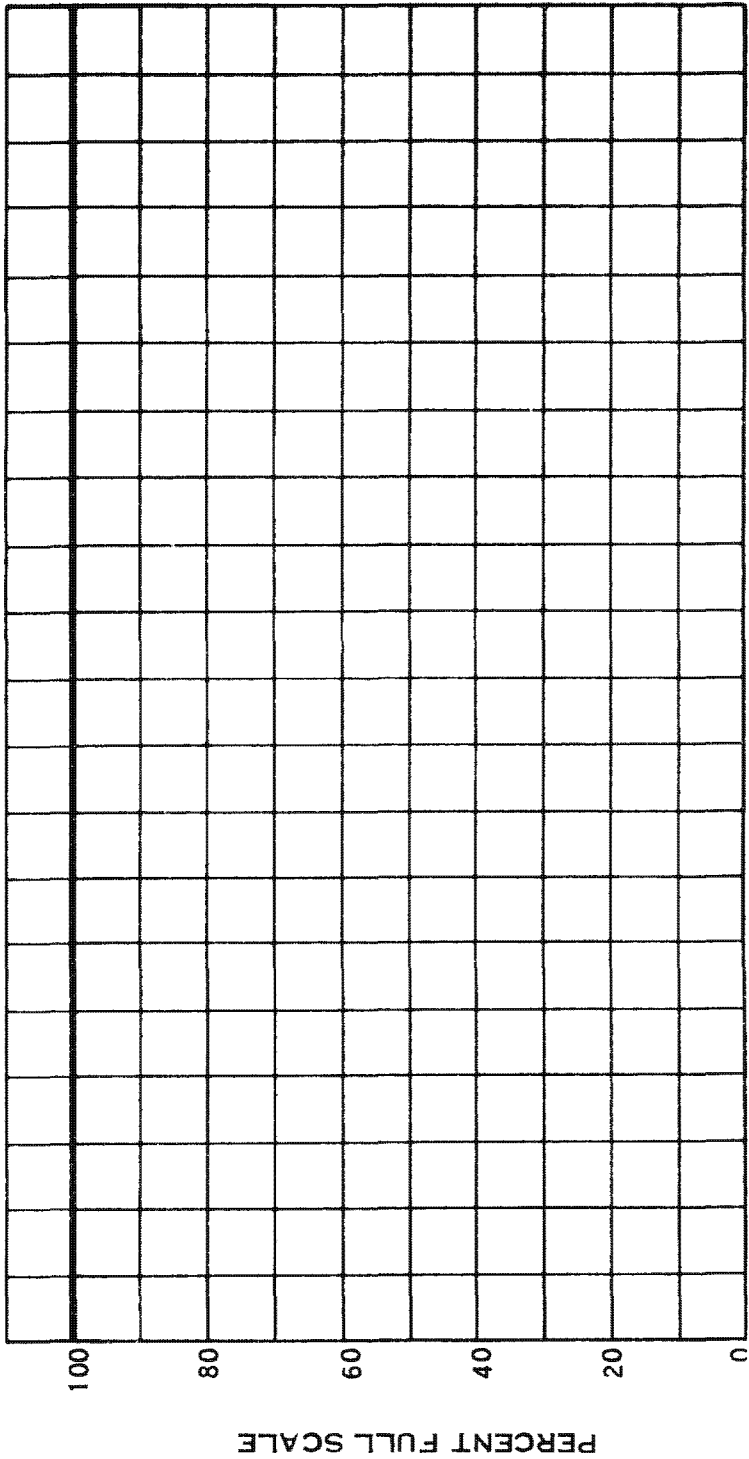
SV SECTION:

PULSE: 15

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: 5 VDC BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

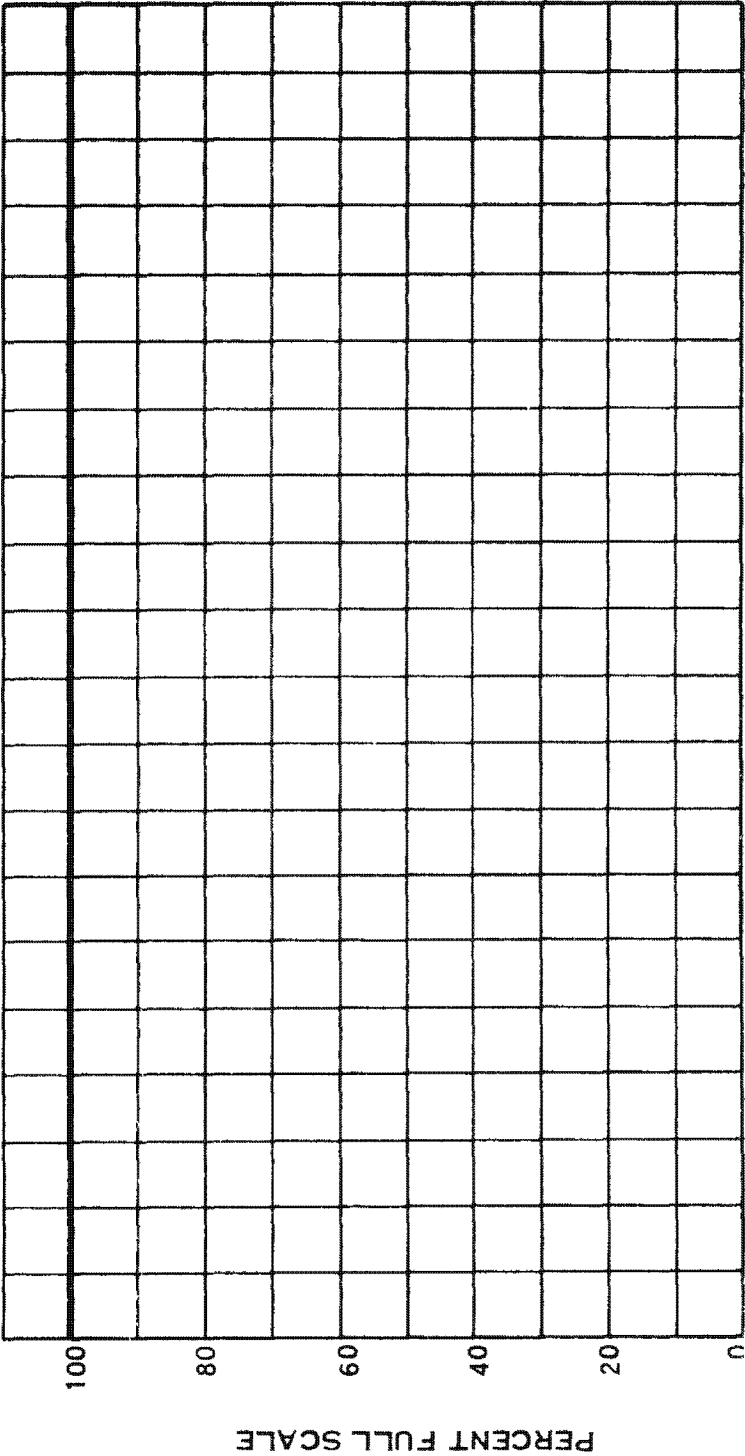
SV SECTION:

PULSE: 16

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: 5 VDC BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

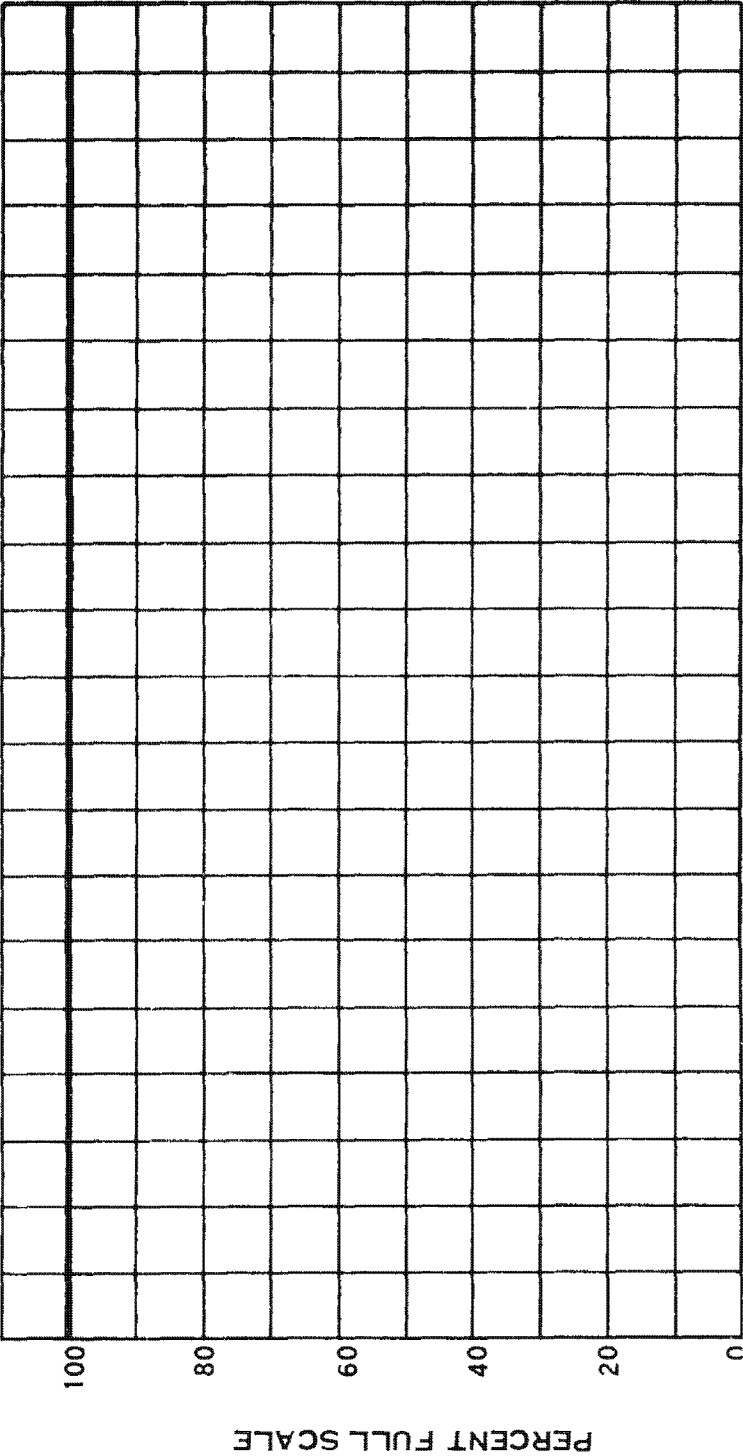
SV SECTION:

PULSE: 17

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: 5 VDC BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

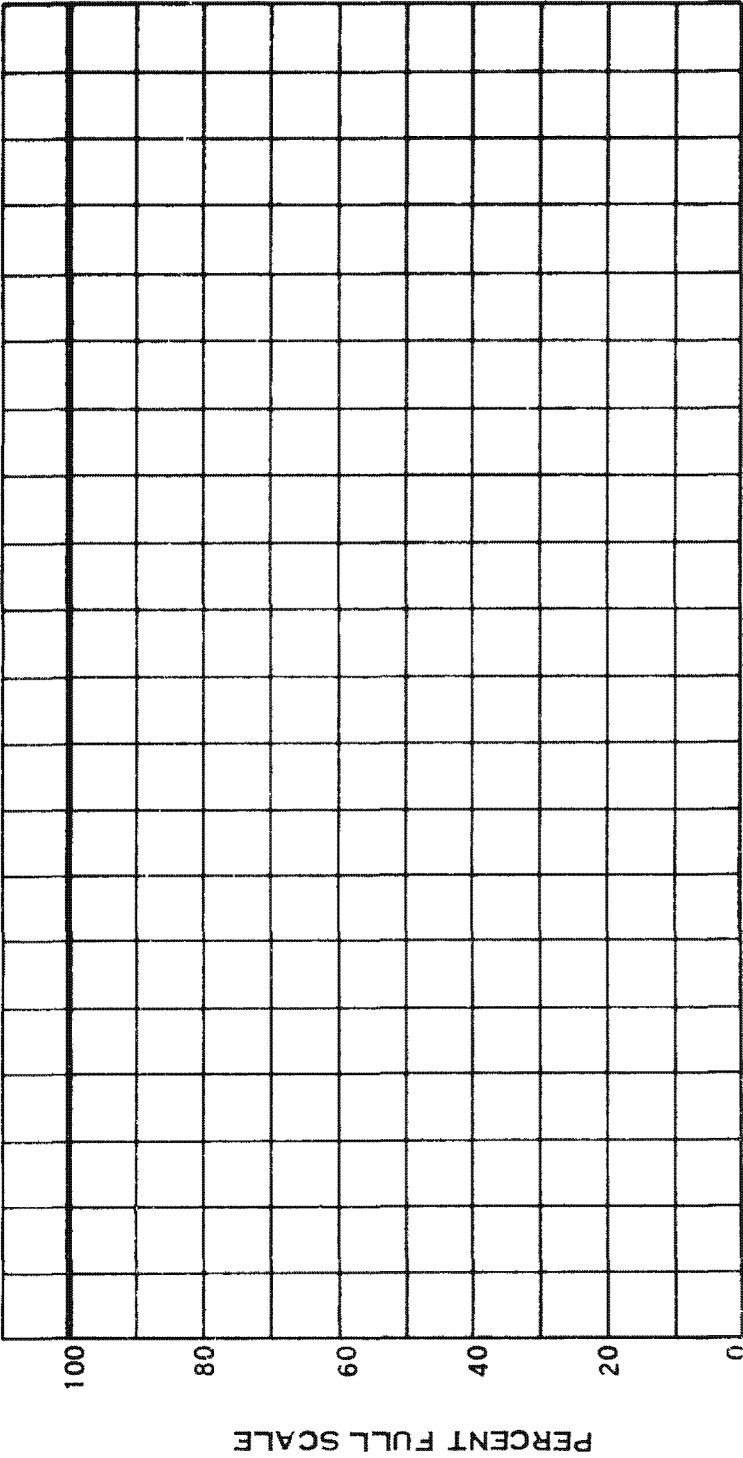
SV SECTION:

PULSE: 18

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: 5 VDC BUS

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

BAND: 10 (5.4 KC)

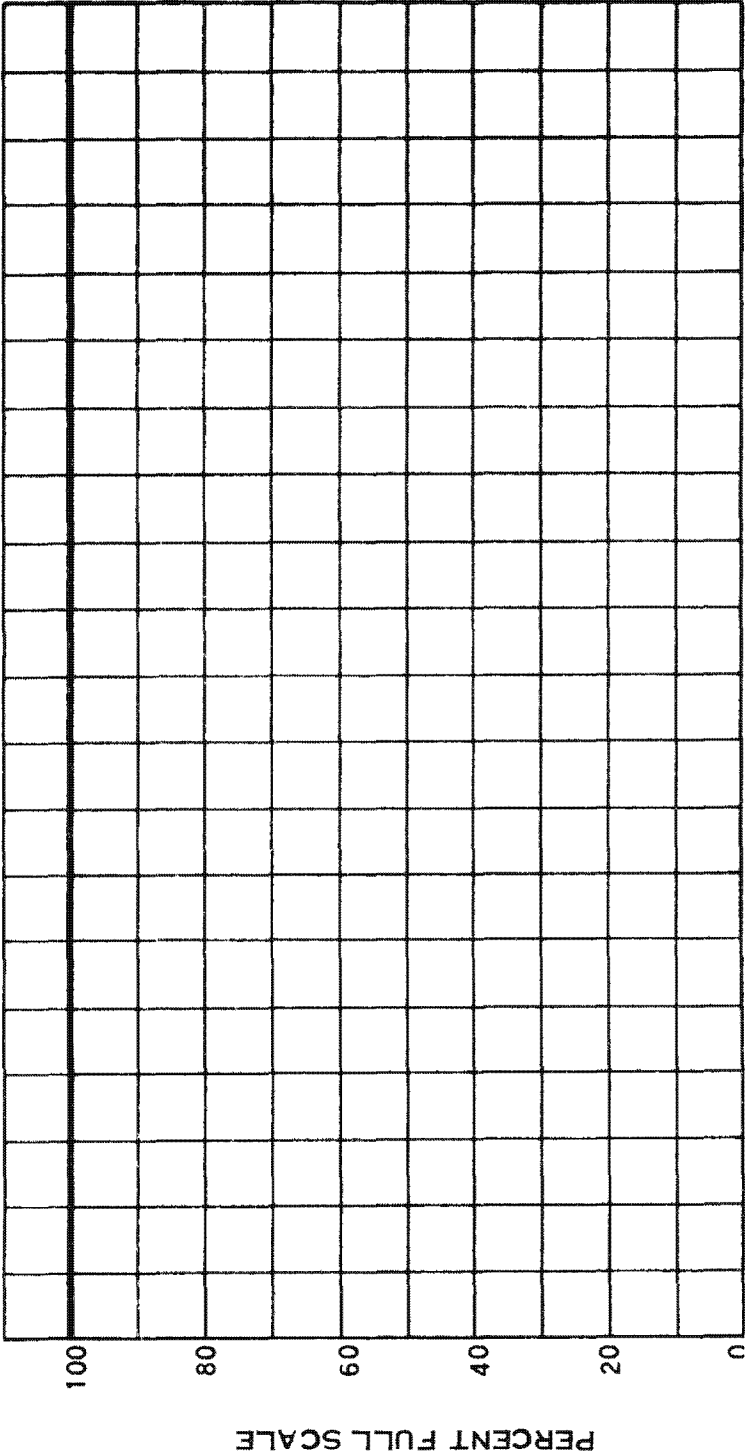
PULSE: 19

EXCITATION:

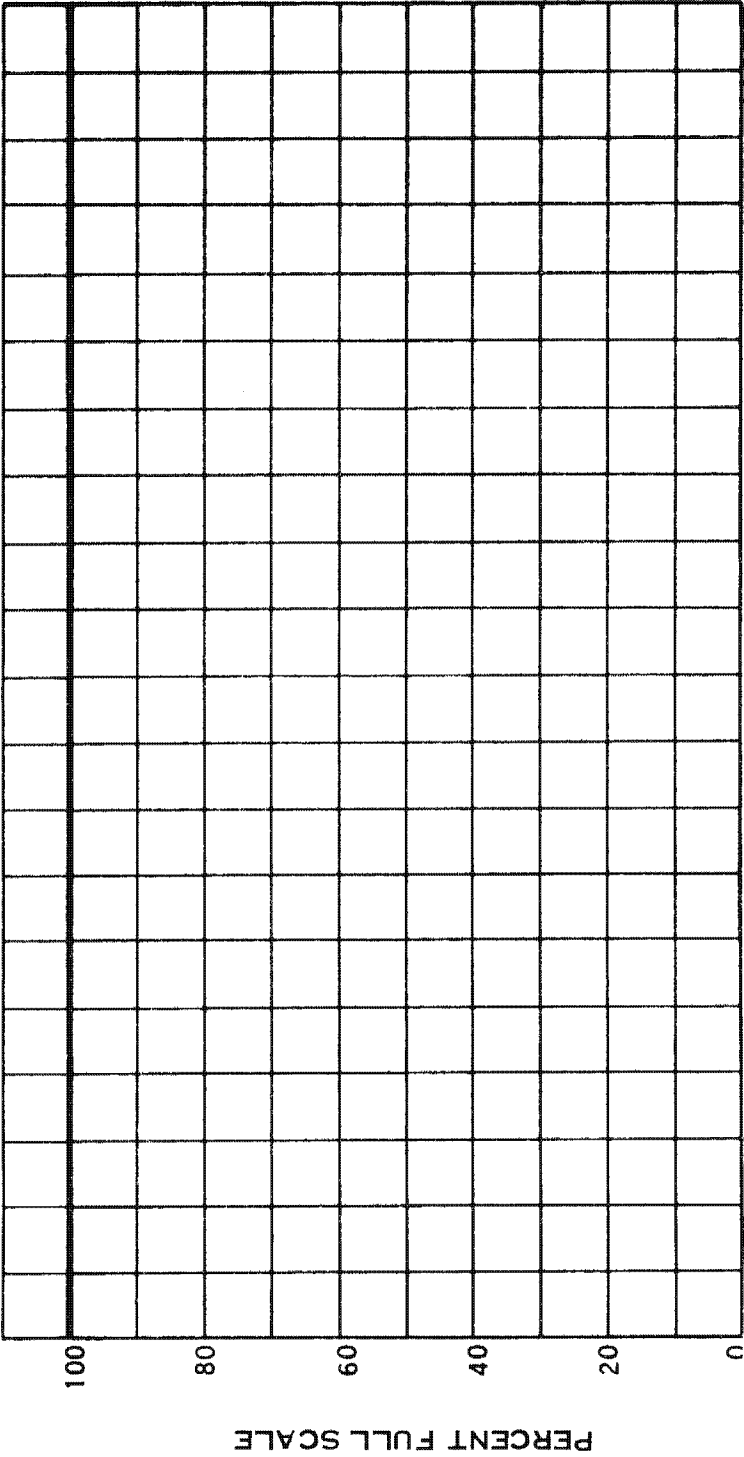
STA/RAD:

SV SECTION:

DATA SOURCE:



FUNCTION:	5 VDC BUS	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	20
"A" NUMBER:		EXCITATION:	



FUNCTION: 5 VDC BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

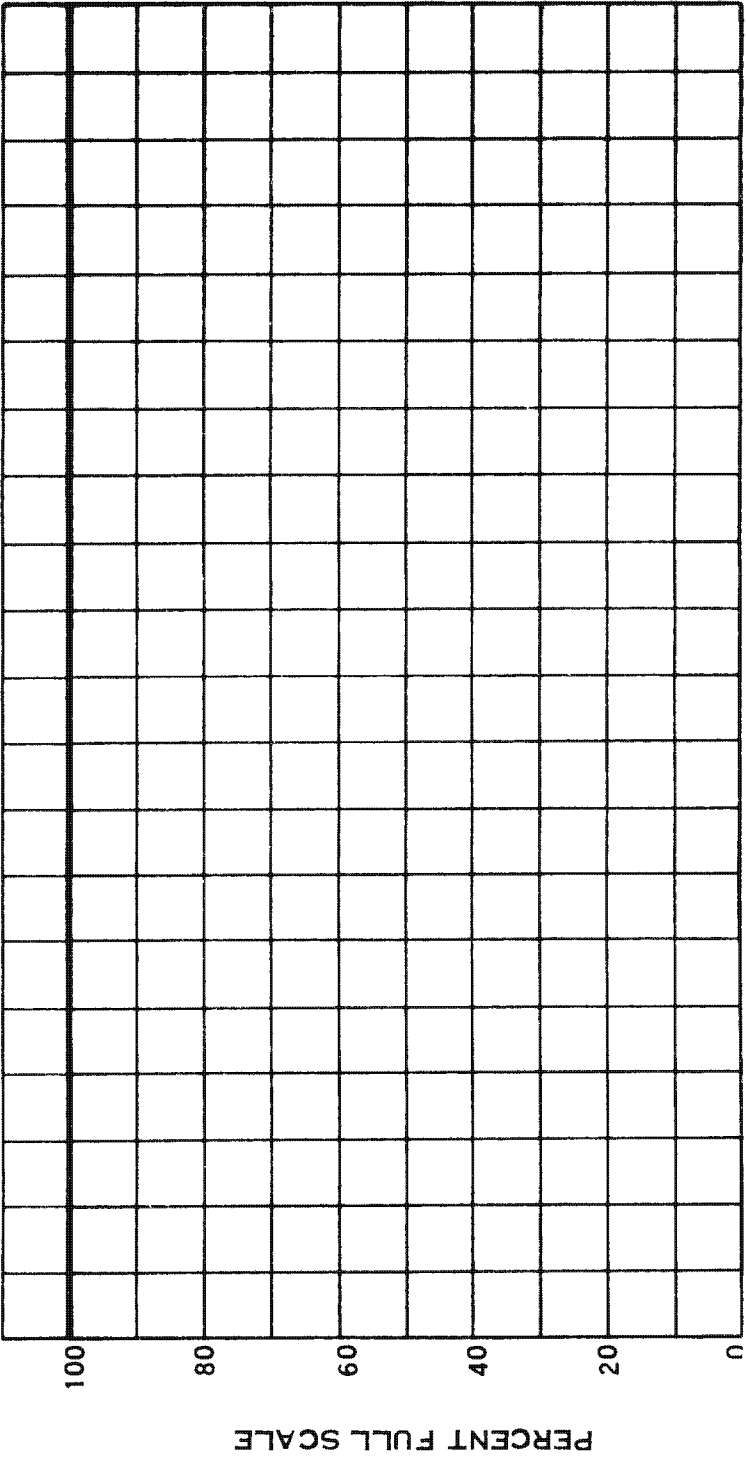
SV SECTION:

PULSE: 21

"A" NUMBER:

DATA SOURCE:

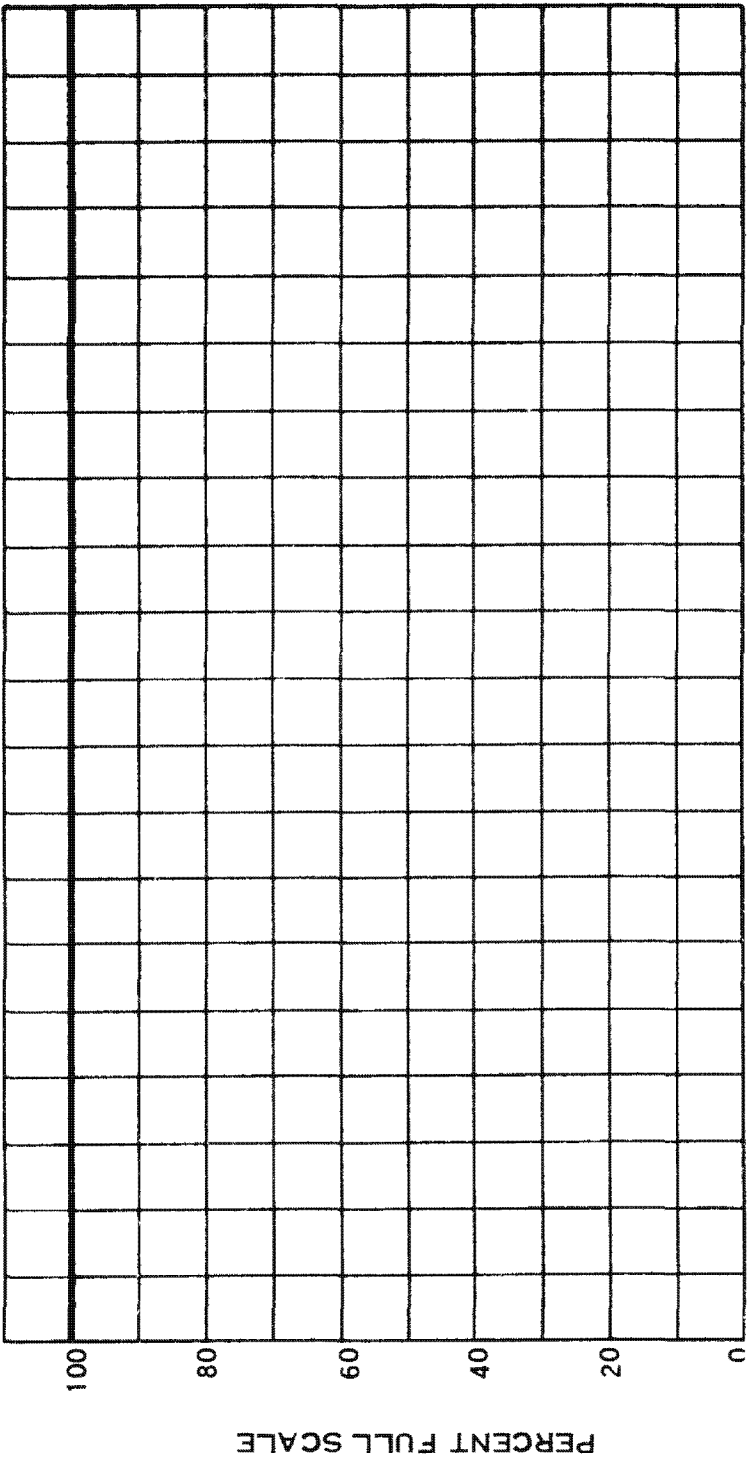
EXCITATION:



FUNCTION:	5 VDC BUS	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	22
"A" NUMBER:		EXCITATION:	

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FUNCTION: 5 VDC BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

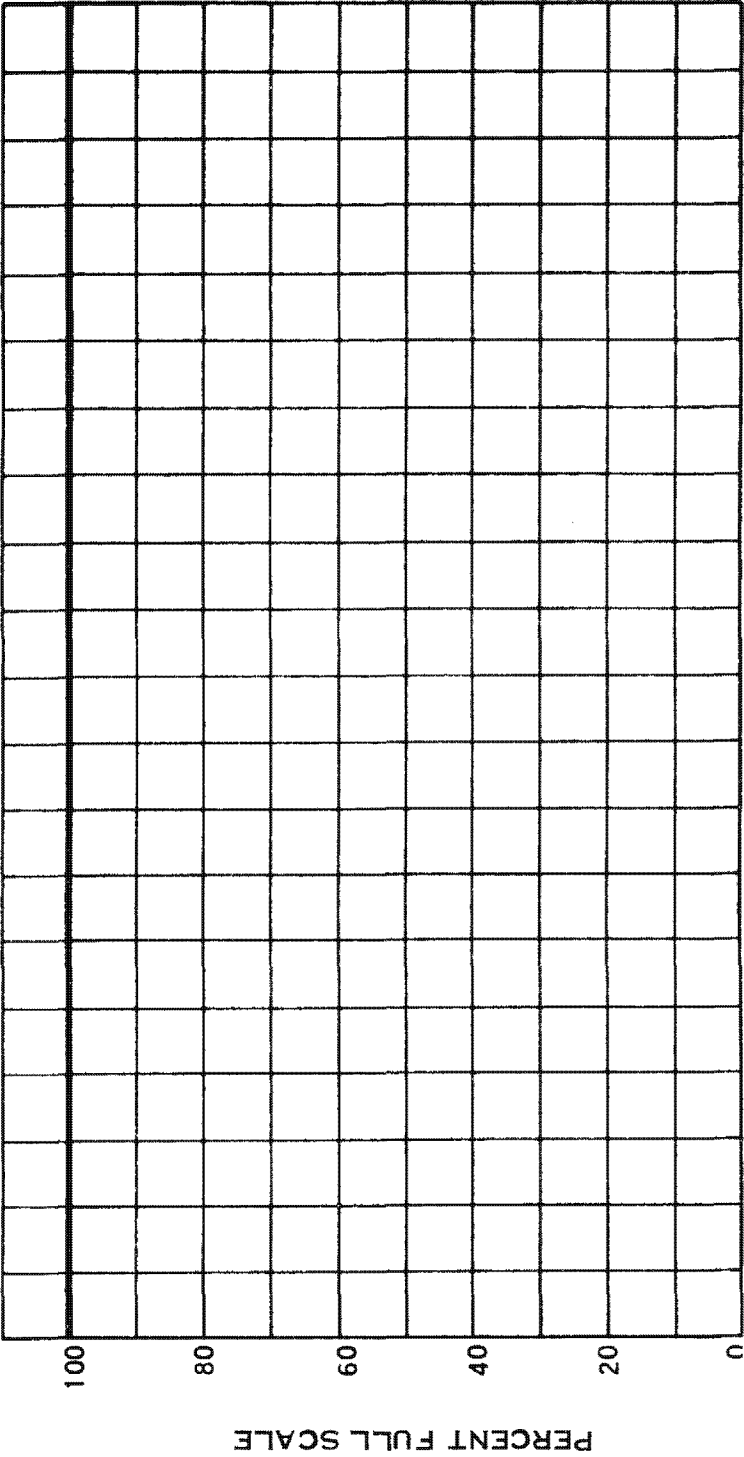
SV SECTION:

PULSE: 23

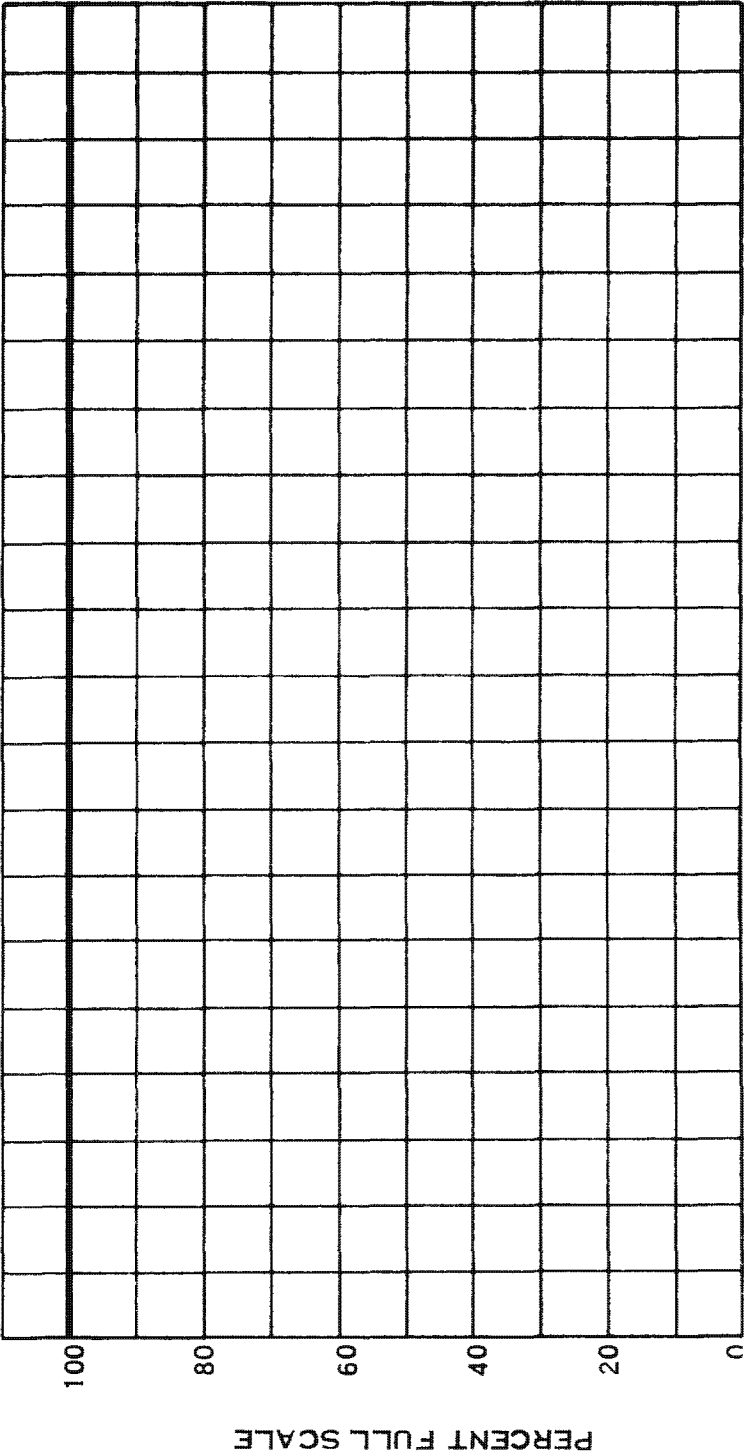
"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION:	5 VDC BUS	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	24
"A" NUMBER:		EXCITATION:	



FUNCTION: 5 VDC BUS

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

STA/RAD:

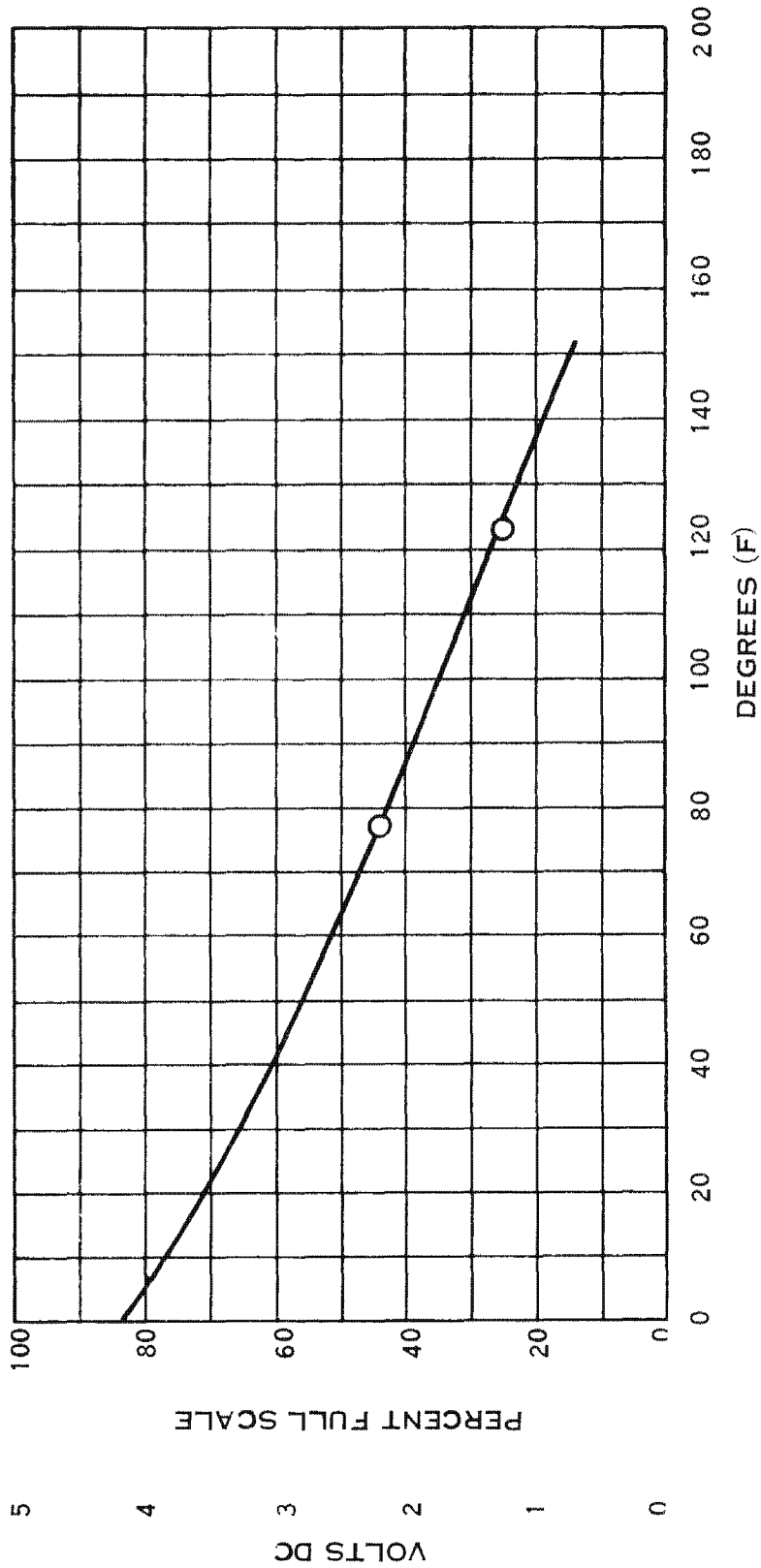
BAND: 10 (5.4 KC)

SV SECTION:

PULSE: 25

DATA SOURCE:

EXCITATION:



FUNCTION: TEMPERATURE, O/A OXIDIZER TANK INT.

VEHICLE: 988

RANGE: 0 TO 150 DEGREES F

BAND: 10 (5.4 KC)

STA/RAD: 146/60°

DRAWING NO: 115C723 1 G1

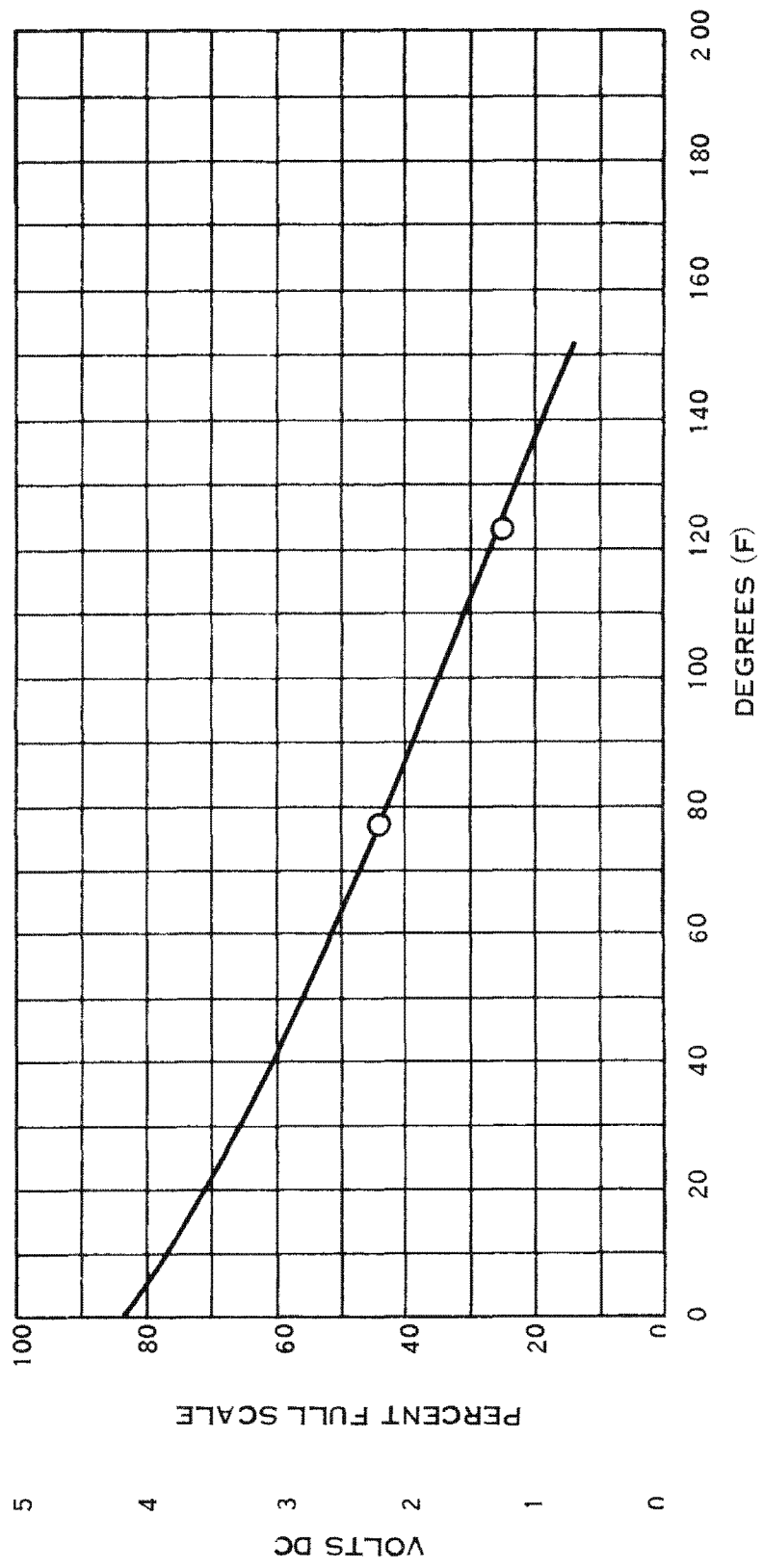
SV SECTION: 6

PULSE: 26

"A" NUMBER: 805

DATA SOURCE: COMPONENT DATA

EXCITATION: 5 VDC



FUNCTION: TEMPERATURE, O/A FUEL TANK INT.

RANGE: 0 TO 150 DEGREES F

STA/RAD: 146/280°

BAND: 10 (5.4 KC)

DRAWING NO: 115C723 1 G1

SV SECTION: 6

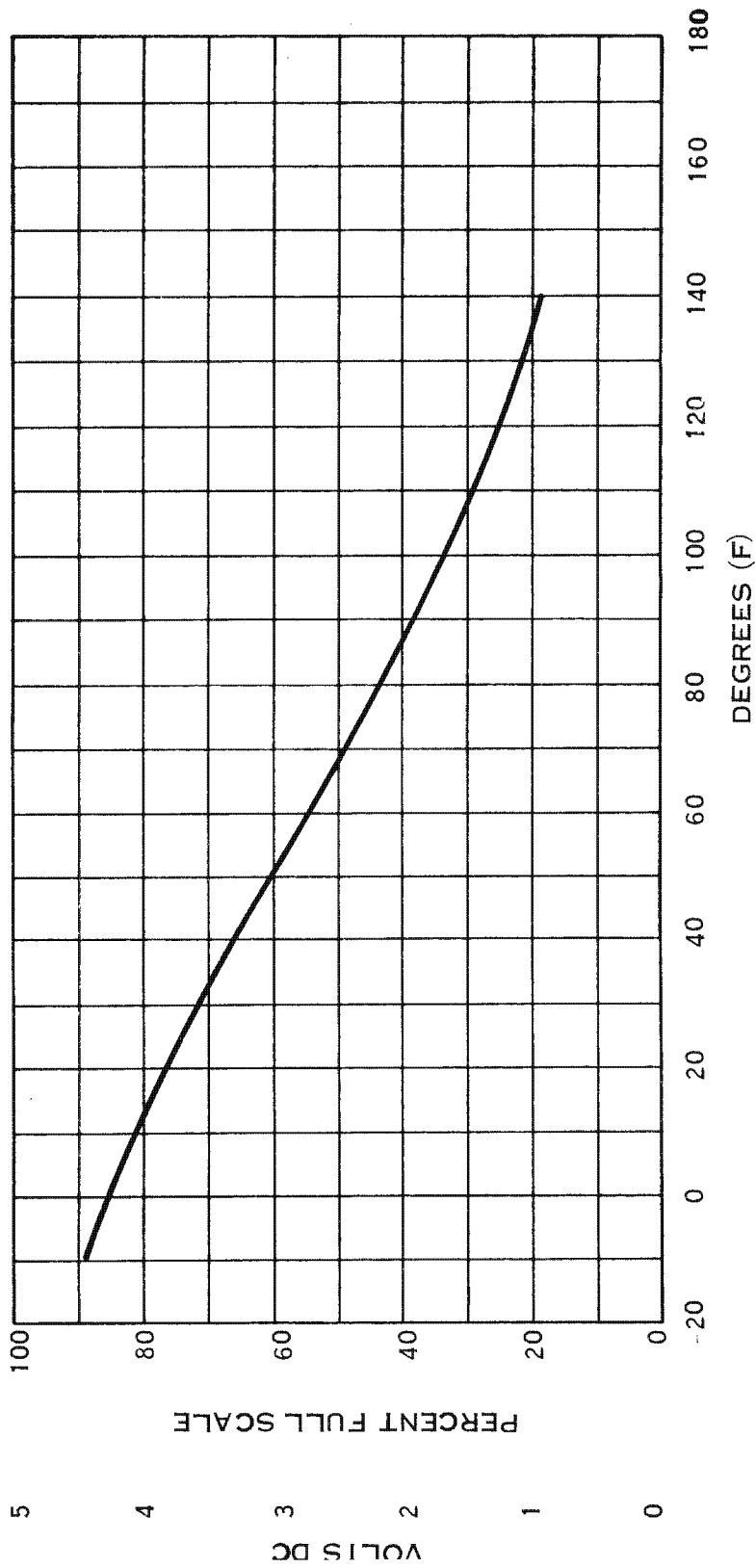
PULSE: 27

"A" NUMBER: 808

DATA SOURCE: COMPONENT DATA

EXCITATION: 5 VDC

VEHICLE: 988



FUNCTION:

RANGE:

DRAWING NO:

"A" NUMBER:

TEMPERATURE, SOLENOID VALVE

0 TO 130 DEGREES F

115C7168 G2

122

VEHICLE:

BAND:

PULSE:

EXCITATION:

988

10 (5.4 KC)

28

5 VDC

STA/RAD:

SV SECTION:

DATA SOURCE:

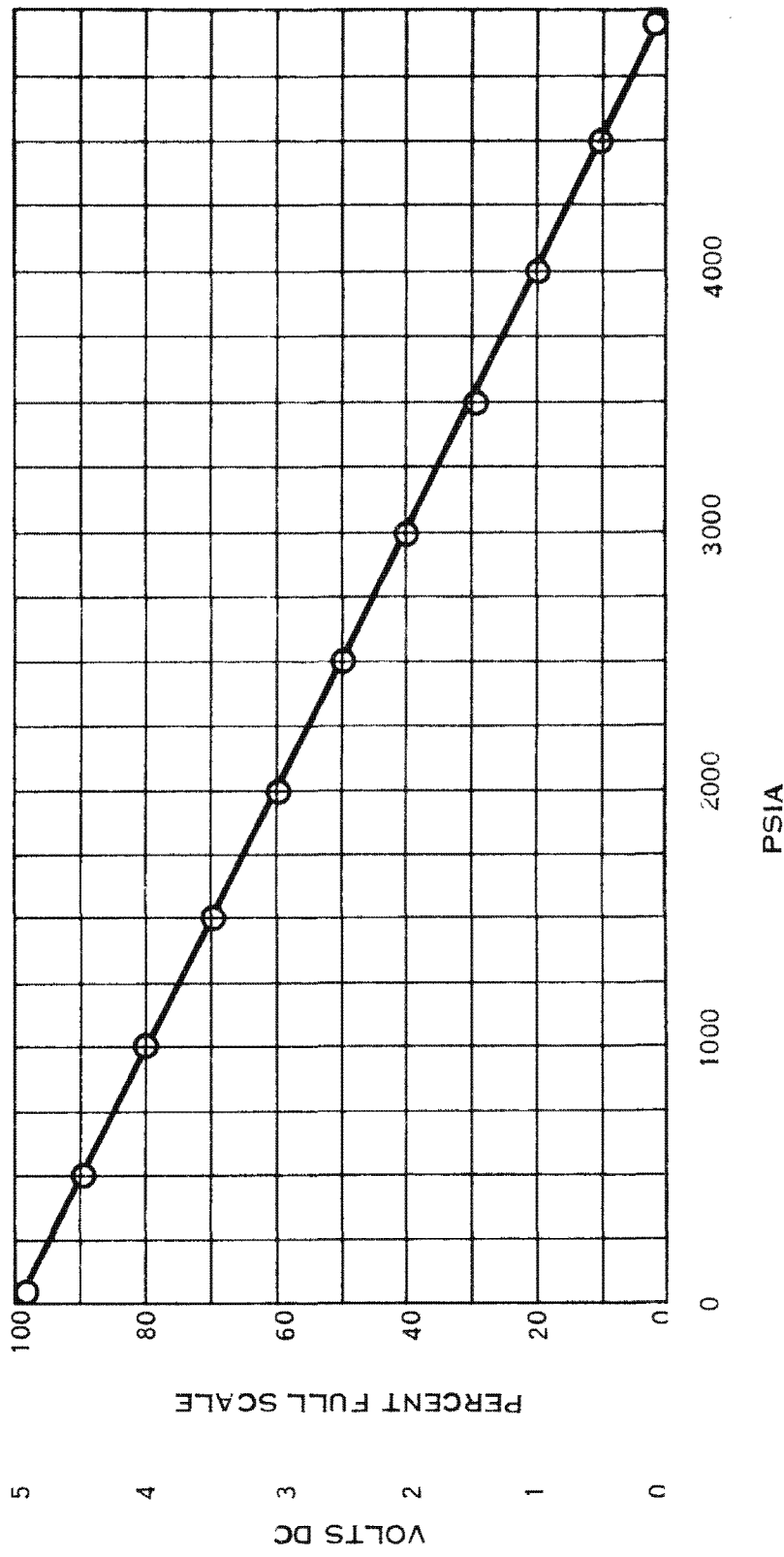
216/360°

6.1

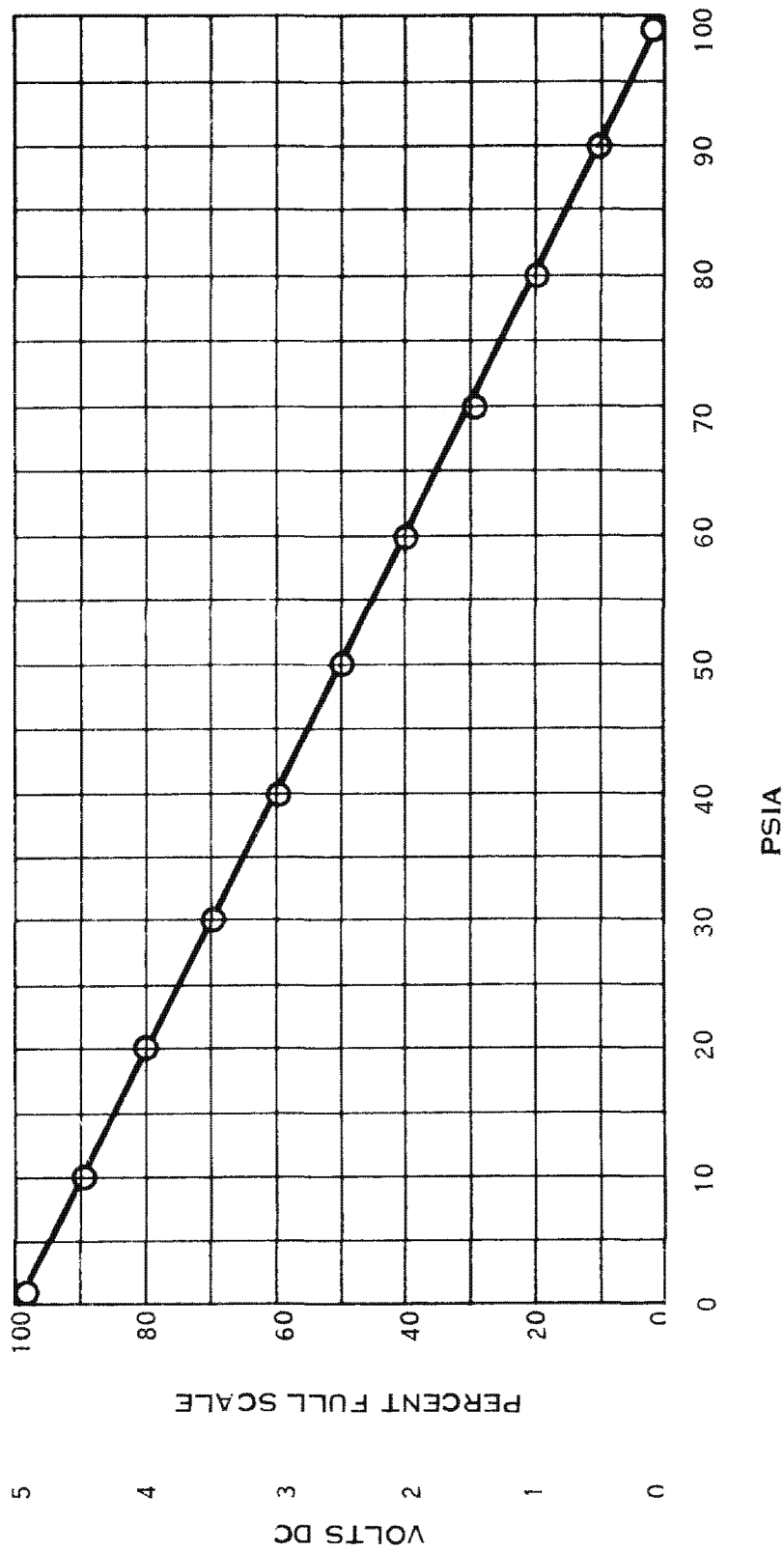
STANDARD CURVE

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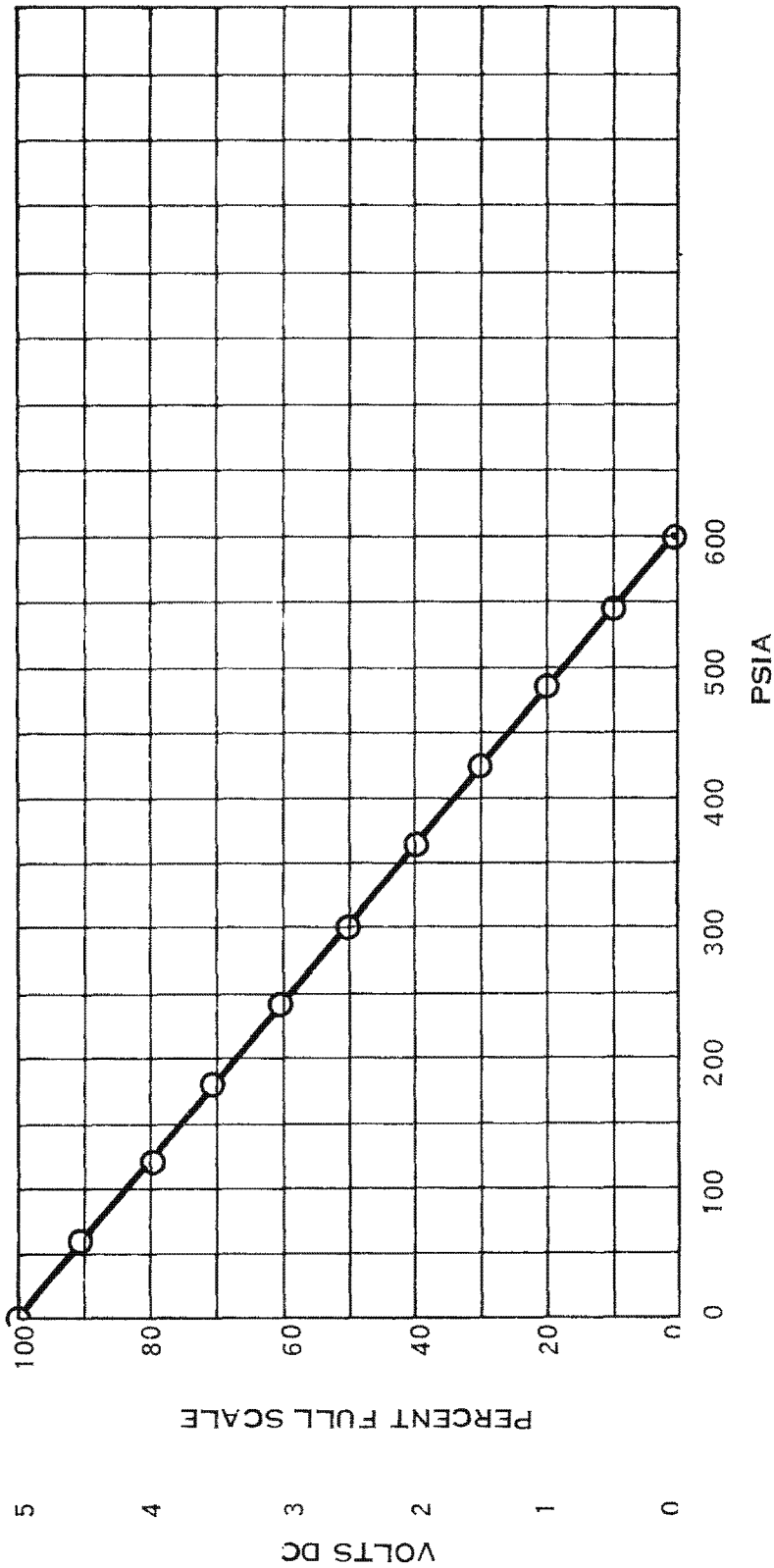
FUNCTION:	PRESSURE, O/A N2 REG. INLET	VEHICLE:	988
RANGE:	0 TO 5000 PSIA	BAND:	10 (5.4 KC)
DRAWING NO:	115C7219 P1	PULSE:	29
"A" NUMBER:	801	EXCITATION:	5 VDC
		DATA SOURCE:	COMPONENT DATA



FUNCTION:	PRESSURE STAB, REG, LOW OUTPUT	VEHICLE:	988
RANGE:	0 TO 100 PSIA	BLKHD AFT /Q IV BAND:	10 (5.4 KC)
DRAWING NO:	108C8818 P1	PULSE:	30
"A" NUMBER:	983	EXCITATION:	5 VDC
		DATA SOURCE:	COMPONENT DATA

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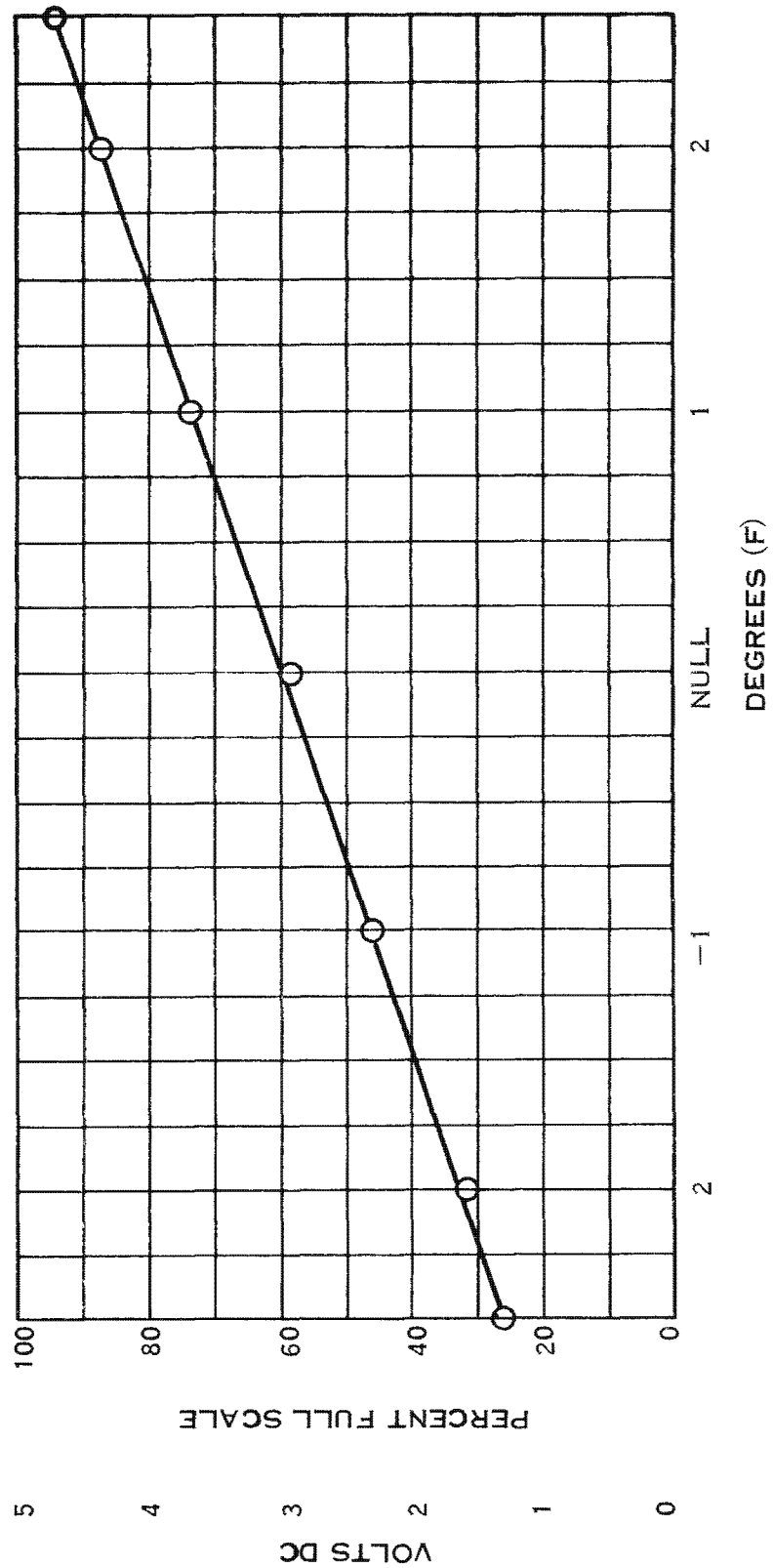


FUNCTION: PRESSURE STAB. REG. HIGH OUTPUT VEHICLE: 988

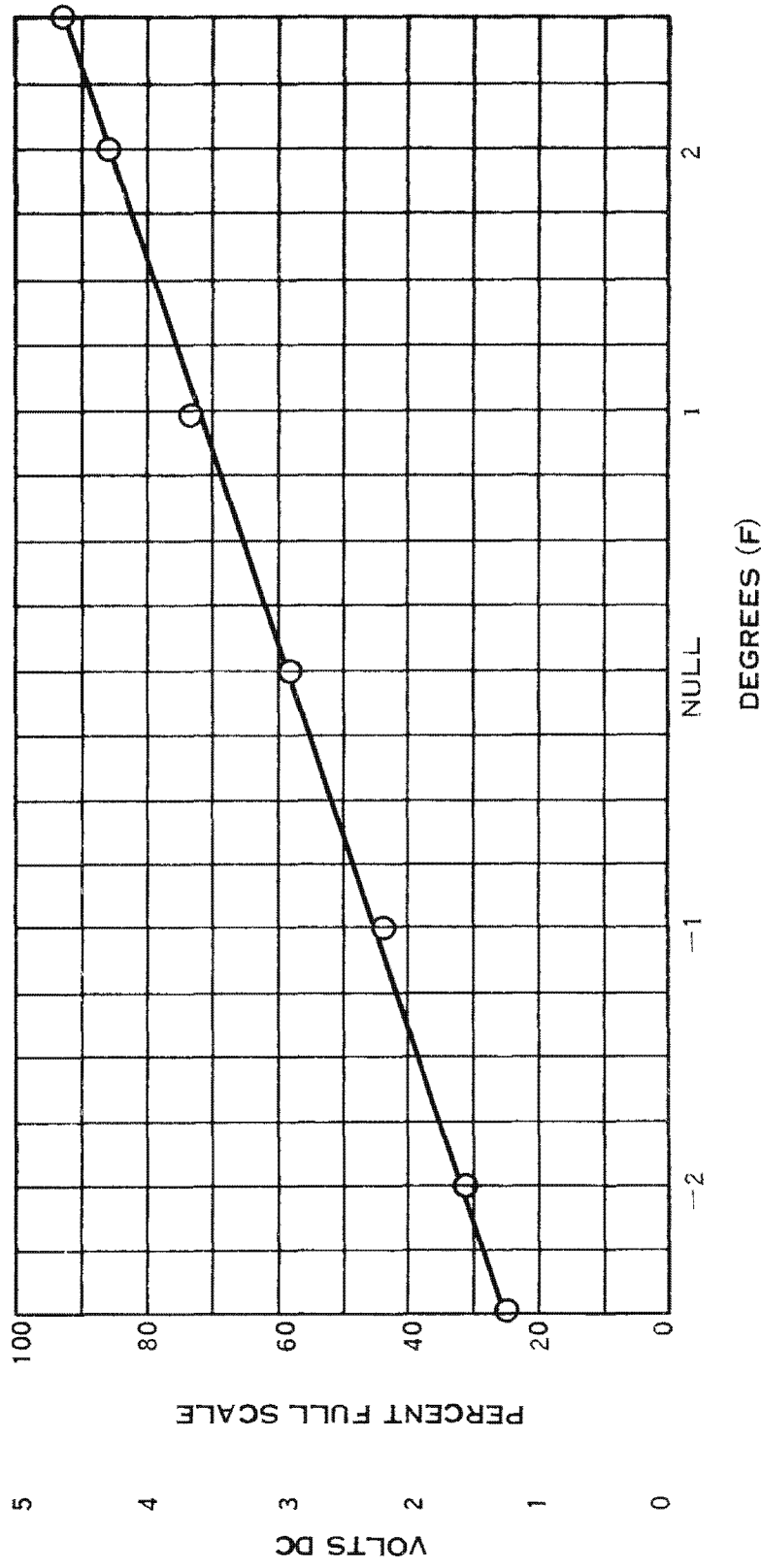
RANGE: 0 TO 600 PSIA STA/RAD: BLKHD AFT/Q 1 BAND: 10 (5.4 KC)

DRAWING NO: 108C8815 P2 SV SECTION: 6.1 PULSE: 31

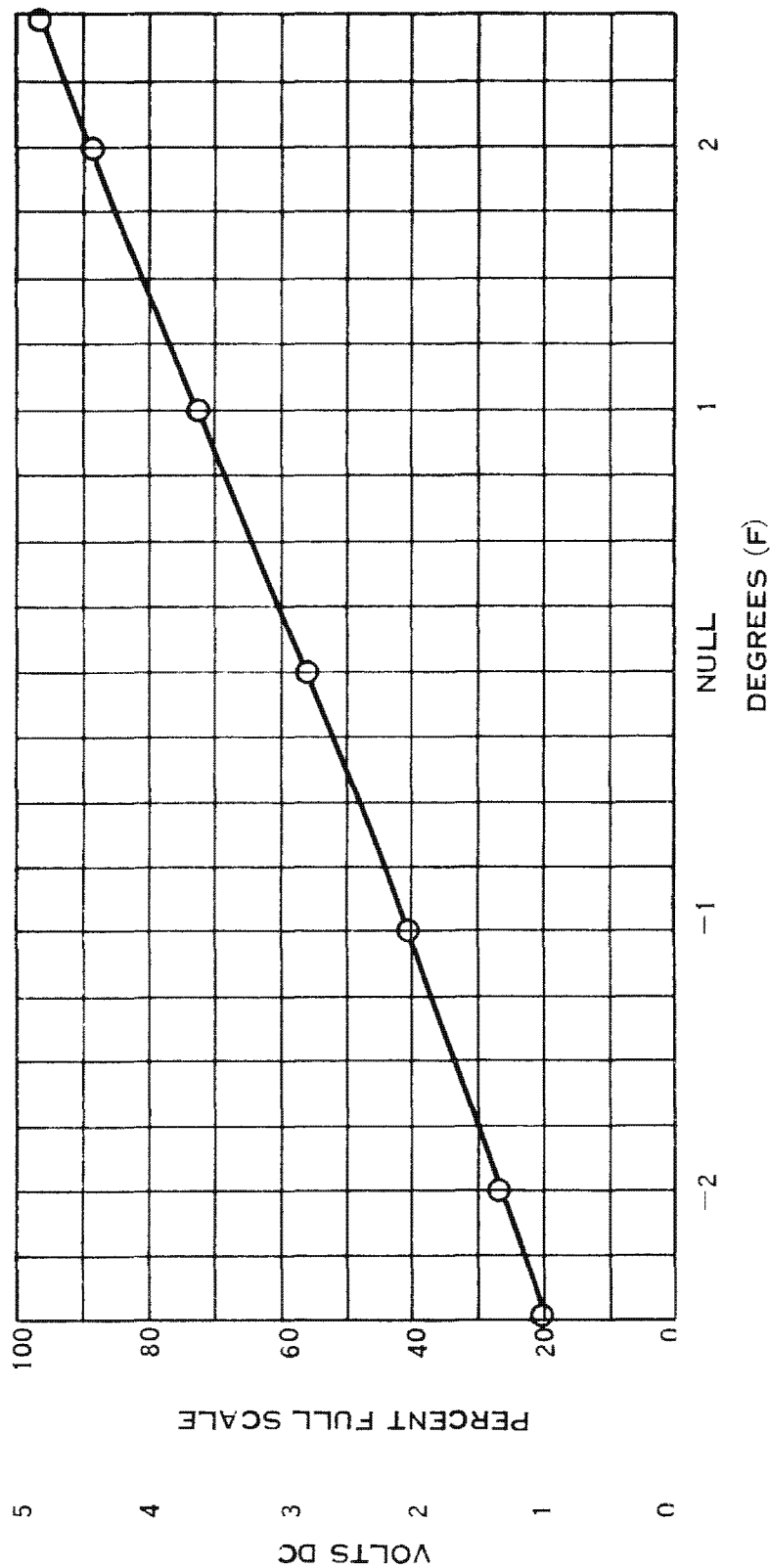
"A" NUMBER: 982 DATA SOURCE: COMPONENT DATA EXCITATION: 5 VDC



FUNCTION:	TEMPERATURE, TARS ROLL GYRO	VEHICLE:	988
RANGE:	-2.5 TO +2.5 DEGREES F STA/RAD:	BAND:	10 (5.4 KC)
DRAWING NO:	134B5049 P9	PULSE:	32
"A" NUMBER:	951	EXCITATION:	28 VDC
	DATA SOURCE: COMPONENT DATA		



FUNCTION: TEMPERATURE, TARS PITCH GYRO VEHICLE: 988
RANGE: -2.5 TO + 2.5 DEGREES F STA/RAD: 226.25/0° BAND: 10 (5.4 KC)
DRAWING NO: 134B5049 P9 SV SECTION: 6.1 PULSE: 33
"A" NUMBER: 951 DATA SOURCE: COMPONENT DATA EXCITATION: 28 VDC



FUNCTION: TEMPERATURE, TARS YAW GYRO

VEHICLE: 988

RANGE: -2.5 TO +2.5 DEGREES F

STA/RAD: 226.25/0°

BAND: 10 (5.4 KC)

DRAWING NO: 134B5049 P9

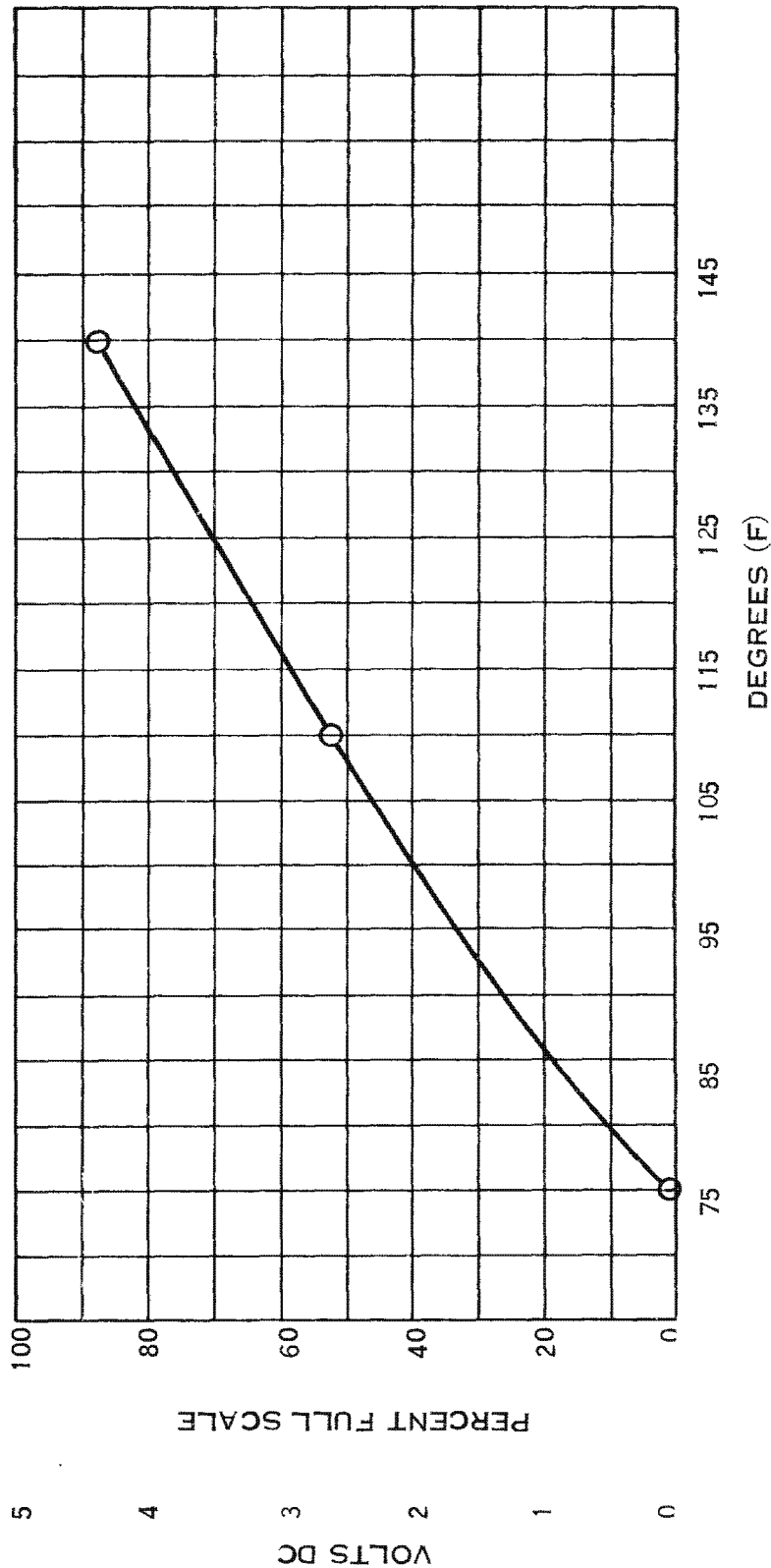
SV SECTION: 6.1

PULSE: 34

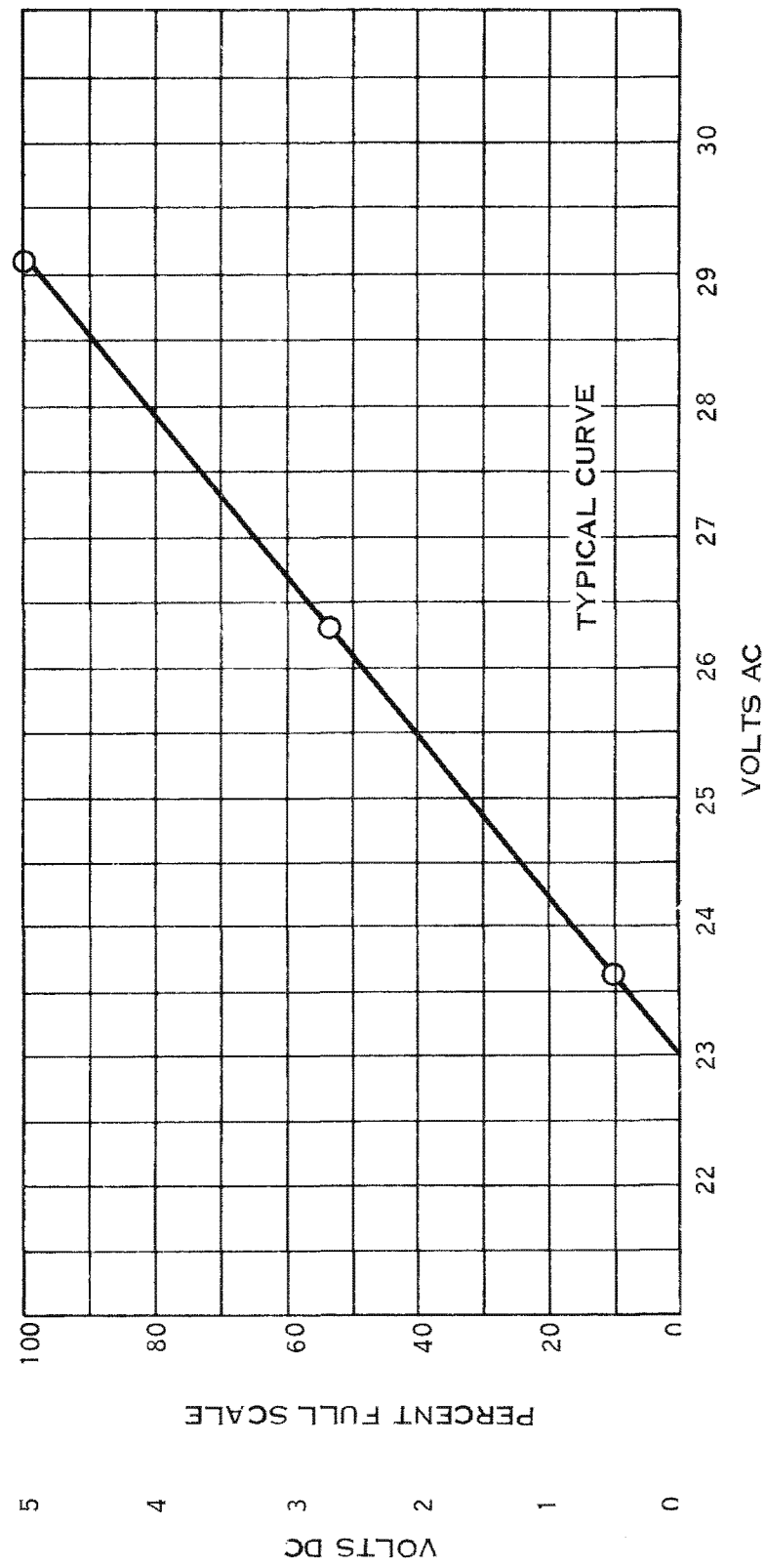
"A" NUMBER: 951

DATA SOURCE: COMPONENT DATA

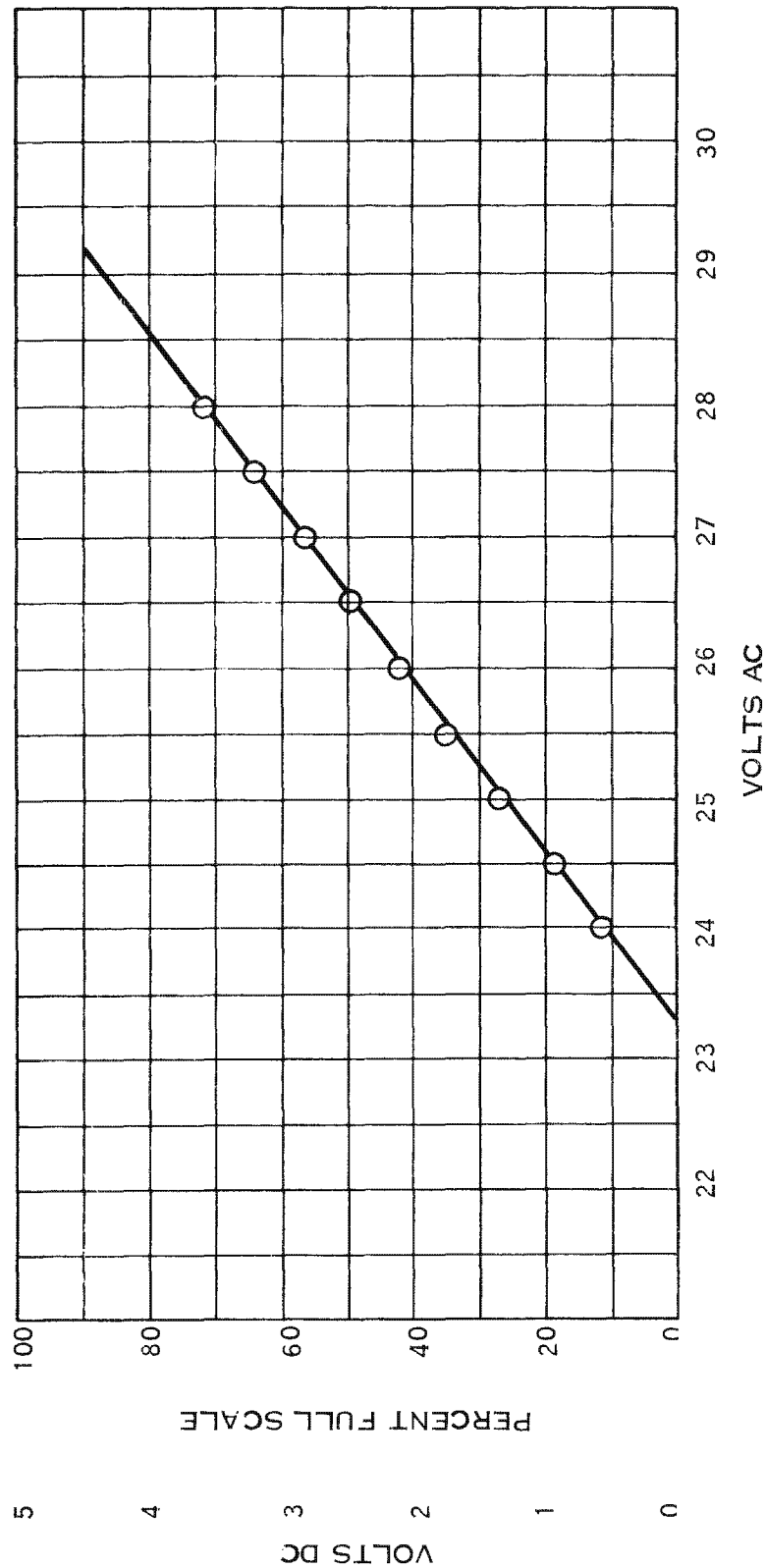
EXCITATION: 28 VDC



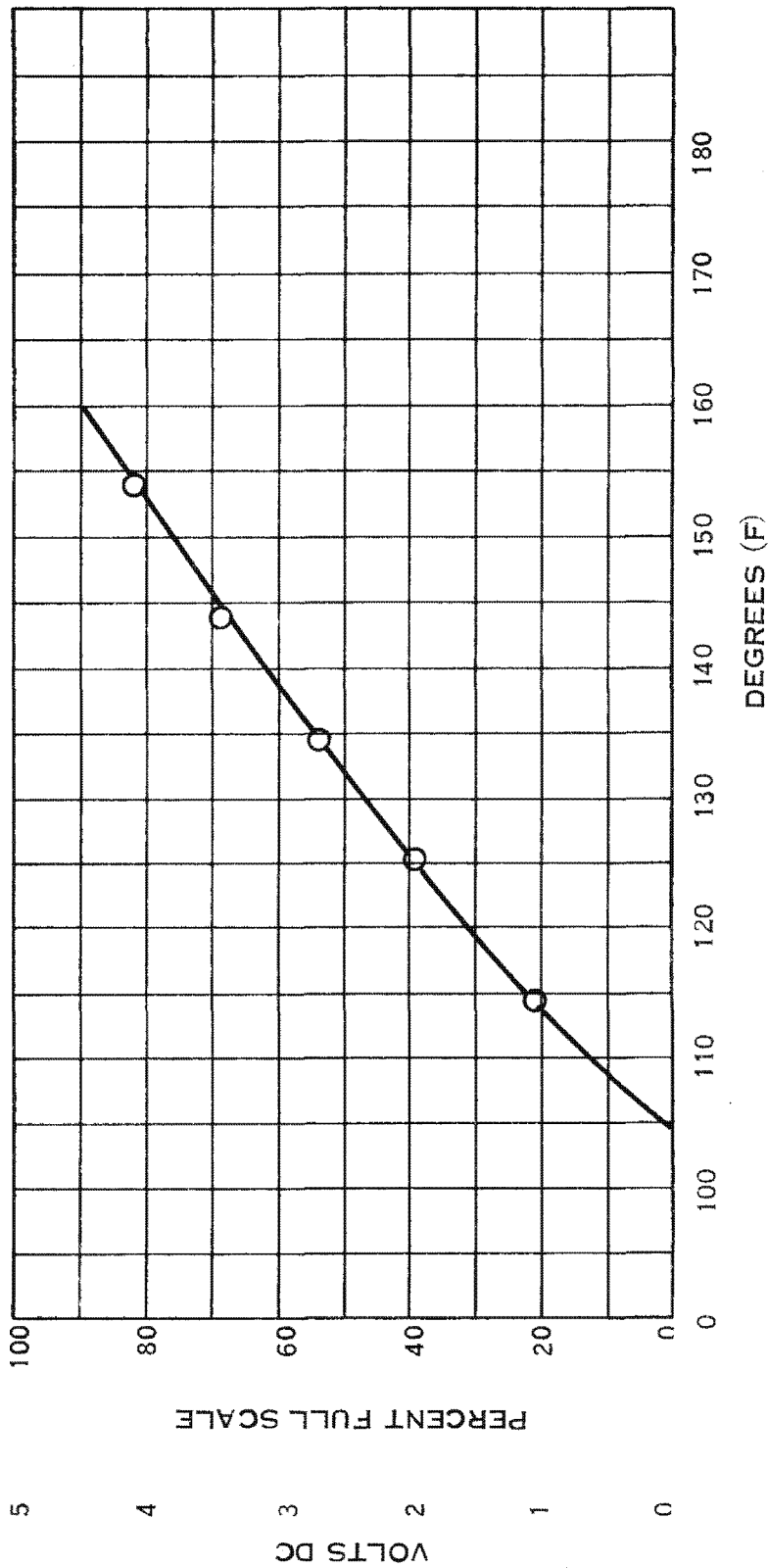
FUNCTION:	TEMP TARS ELECTRONICS-INT	VEHICLE:	988
RANGE:	75 TO 155 DEGREES F	BAND:	10(5.4 KC)
DRAWING NO:	134B5049 P9	PULSE:	35
"A" NUMBER:	951	EXCITATION:	26 VDC REG
		DATA SOURCE:	COMPONENT DATA



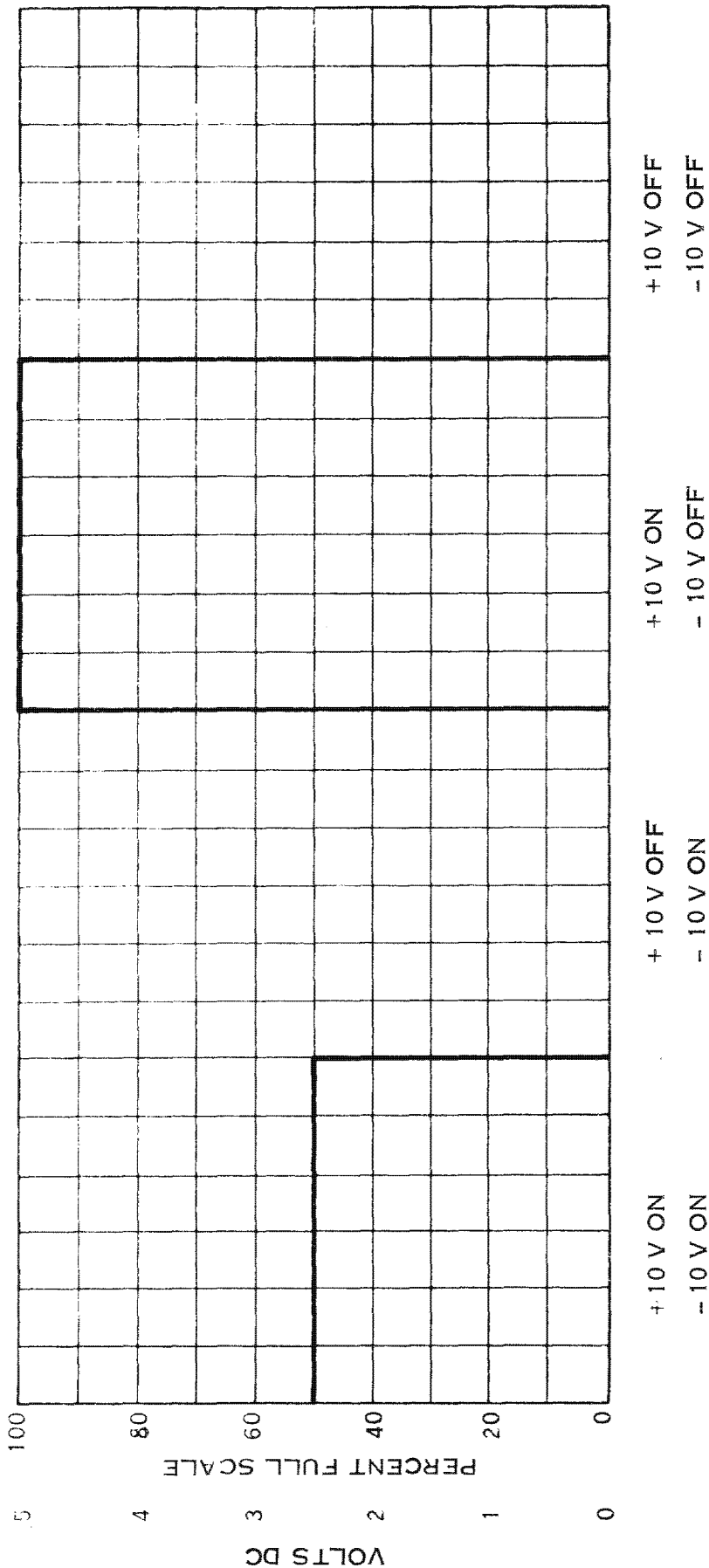
FUNCTION:	VOLTAGE, TARS GYRO 400 CPS	VEHICLE:	988
RANGE:	25 TO 27 VAC	BAND:	10 (5.4 KC)
DRAWING NO:	134B5049 P9	PULSE:	36
"A" NUMBER:	951	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA



FUNCTION: VOLTAGE, RAGS GYRO 400 CPS
RANGE: 22.8 TO 29.2 VAC
DRAWING NO: 111C3776 P10
"A" NUMBER: 952
VEHICLE: 988
BAND: 10 (5.4 KC)
PULSE: 37
STA/RAD: 140/0°
SV SECTION: 6
DATA SOURCE: COMPONENT DATA
EXCITATION: 26 VDC REG



FUNCTION: TEMP RAGS GYRO BLOCK VEHICLE: 988
RANGE: 110 TO 160 DEGREES F STA/RAD: 140/360° BAND: 10(5.4 KC)
DRAWING NO: 111C3776 P10 SV SECTION: 6 PULSE: 38
"A" NUMBER: 952 DATA SOURCE: VENDOR DATA EXCITATION: 26 VDC REG



FUNCTION: D.C.P.S. $\pm$ 10 VOLTS

RANGE:

DRAWING NO: 254E544 G3

"A" NUMBER: 961

VEHICLE: 988

STA/RAD: 209/245°

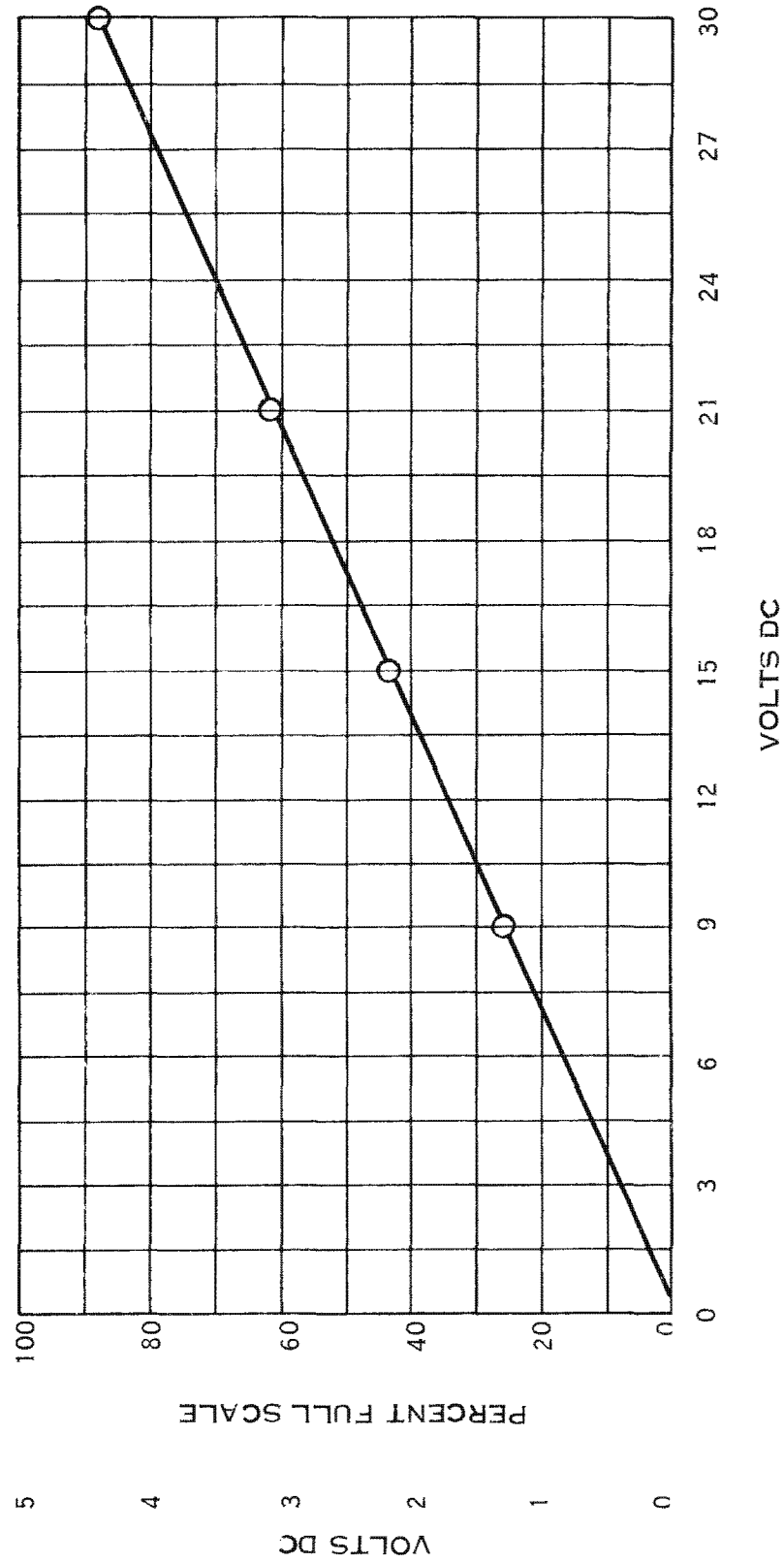
SV SECTION: 6

DATA SOURCE: COMPONENT DATA

BAND: 10 (5.4 KC)

PULSE: 39

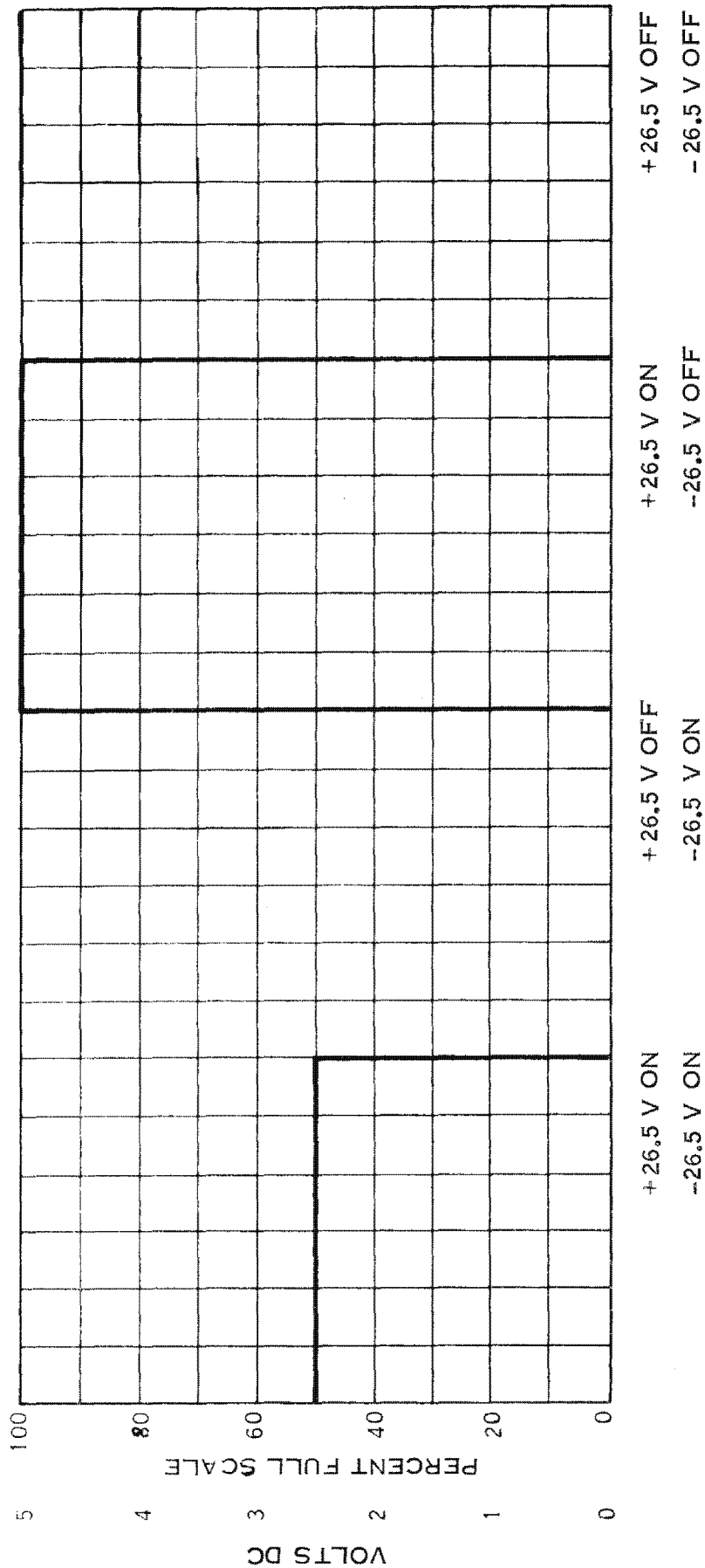
EXCITATION: 28 VDC



FUNCTION:	D.C.P.S. - 28 V OUTPUT	VEHICLE:	988
RANGE:	0 TO 30 VOLTS	BAND:	10 (5.4 KC)
DRAWING NO:	254E544 G3	PULSE:	40
"A" NUMBER:	961	EXCITATION:	28 VDC
		DATA SOURCE:	COMPONENT DATA

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FUNCTION: DC POWER SUPPLY $\pm$ 26.5 VDC

RANGE:

STA/RAD: 209/245°

VEHICLE: 988

BAND: 10 (5.4 KC)

DRAWING NO: 254E544 G3

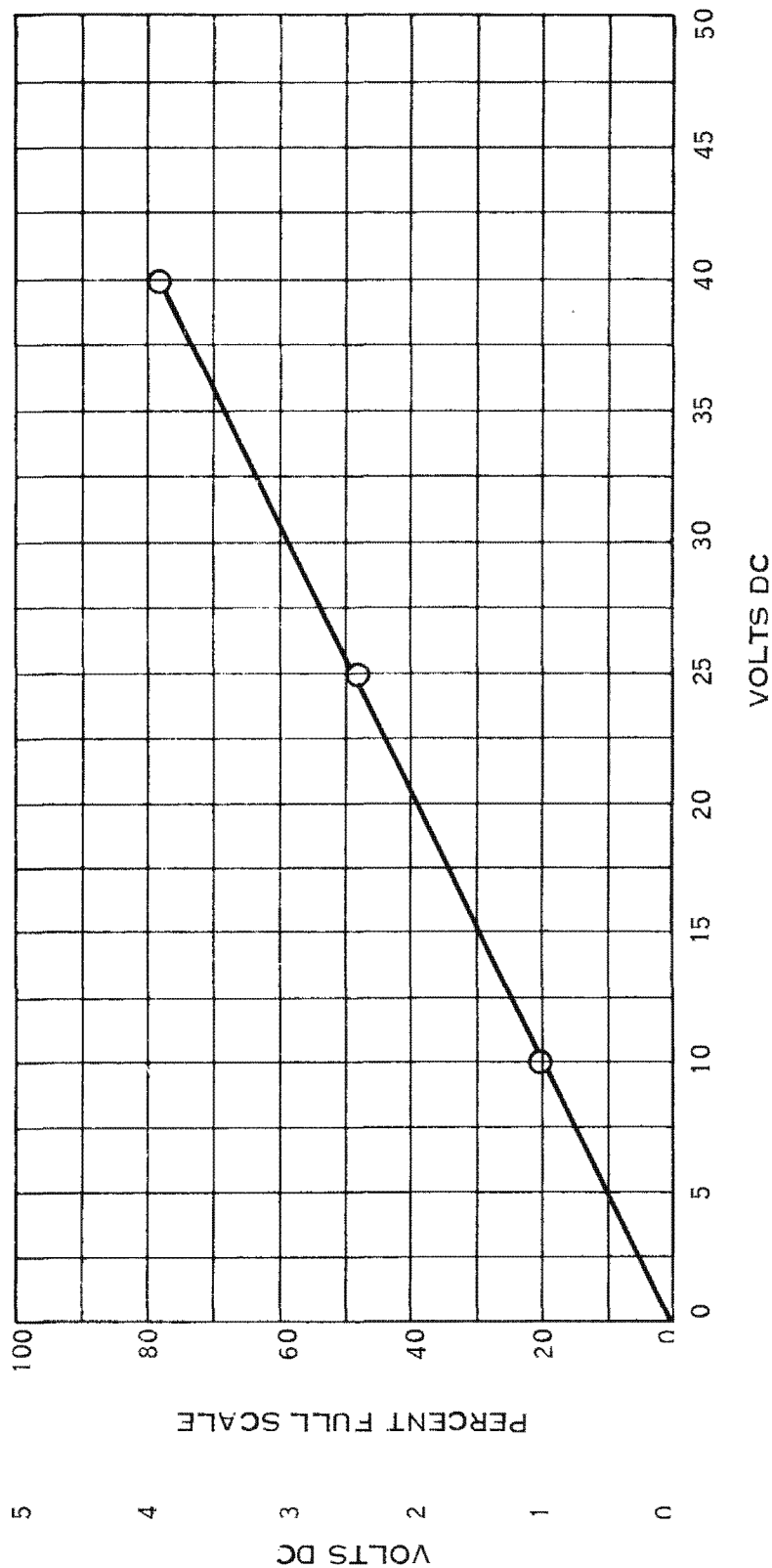
SV SECTION: 6

PULSE: 41

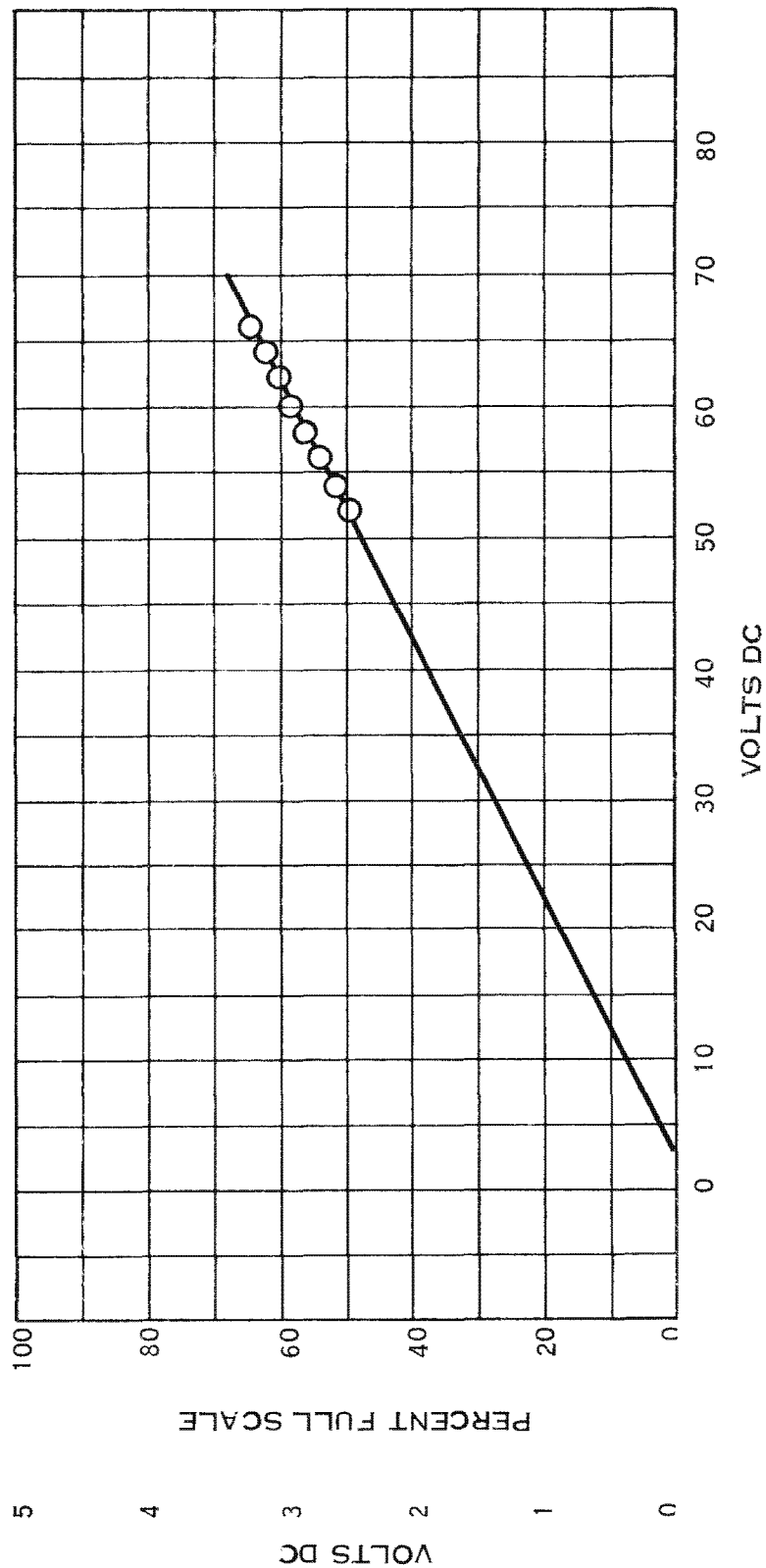
"A" NUMBER: 961

DATA SOURCE: COMPONENT DATA

EXCITATION: 28 VDC



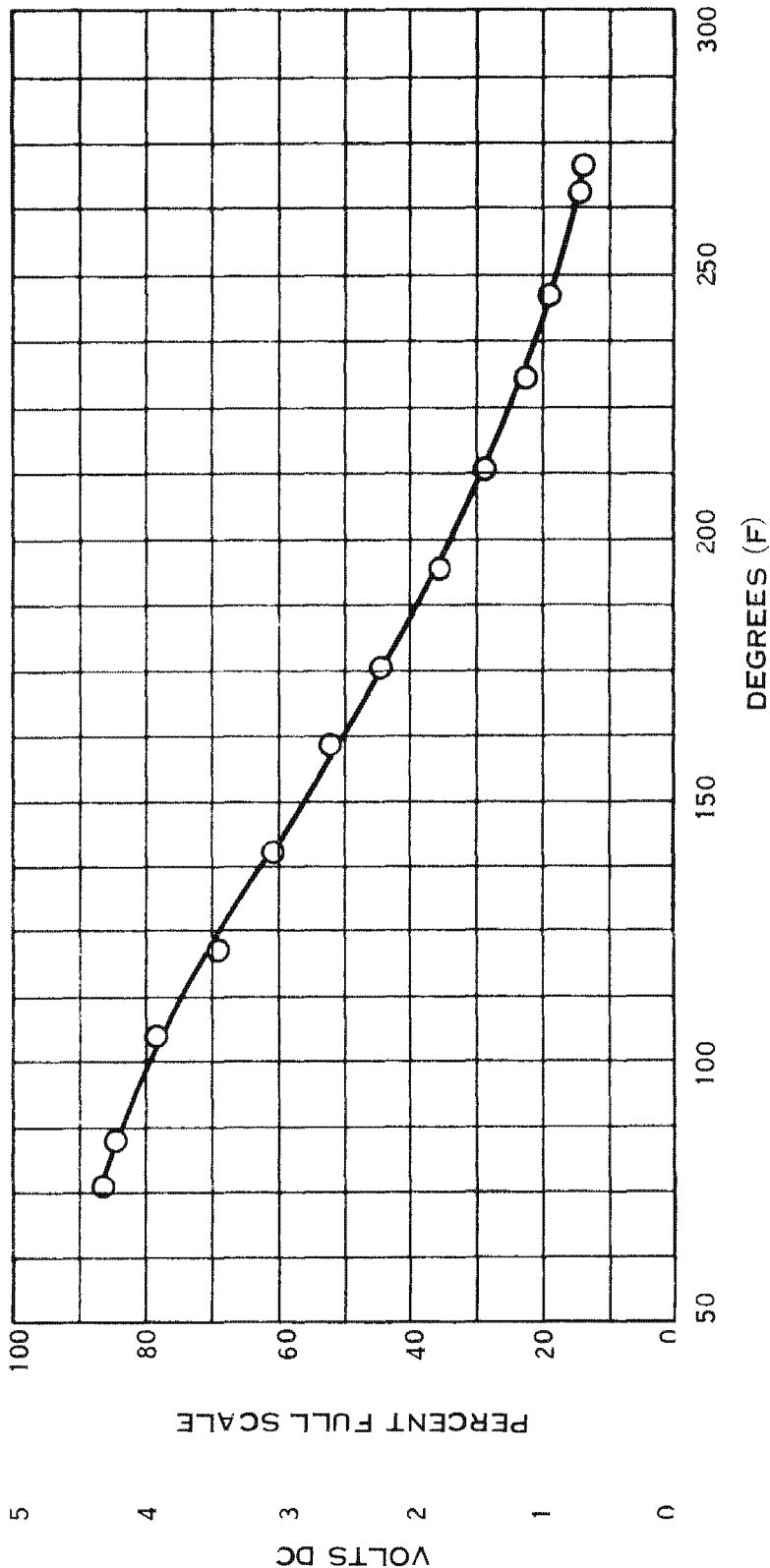
FUNCTION:	D.C.P.S. +36 VOLTS	VEHICLE:	988
RANGE:	0 TO 40 VOLTS	BAND:	10 (5.4 KC)
DRAWING NO:	254E544 G3	PULSE:	42
"A" NUMBER:	961	EXCITATION:	28 VDC
		DATA SOURCE:	COMPONENT DATA



FUNCTION:	DC POWER SUPPLY Q4 PEAK DETECTOR	VEHICLE:	988
RANGE:	0 TO 70 VOLTS DC	BAND:	10(5.4 KC)
DRAWING NO:	254E544 G3	PULSE:	43
"A" NUMBER:	961	EXCITATION:	28 VDC
		DATA SOURCE:	COMPONENT DATA

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FUNCTION: D.C.P.S. Q3 TEMPERATURE

VEHICLE: 988

RANGE: 70 TO 300 DEGREES F STA/RAD: 209/245°

BAND: 10 (5.4 KC)

DRAWING NO: 254E544 G3

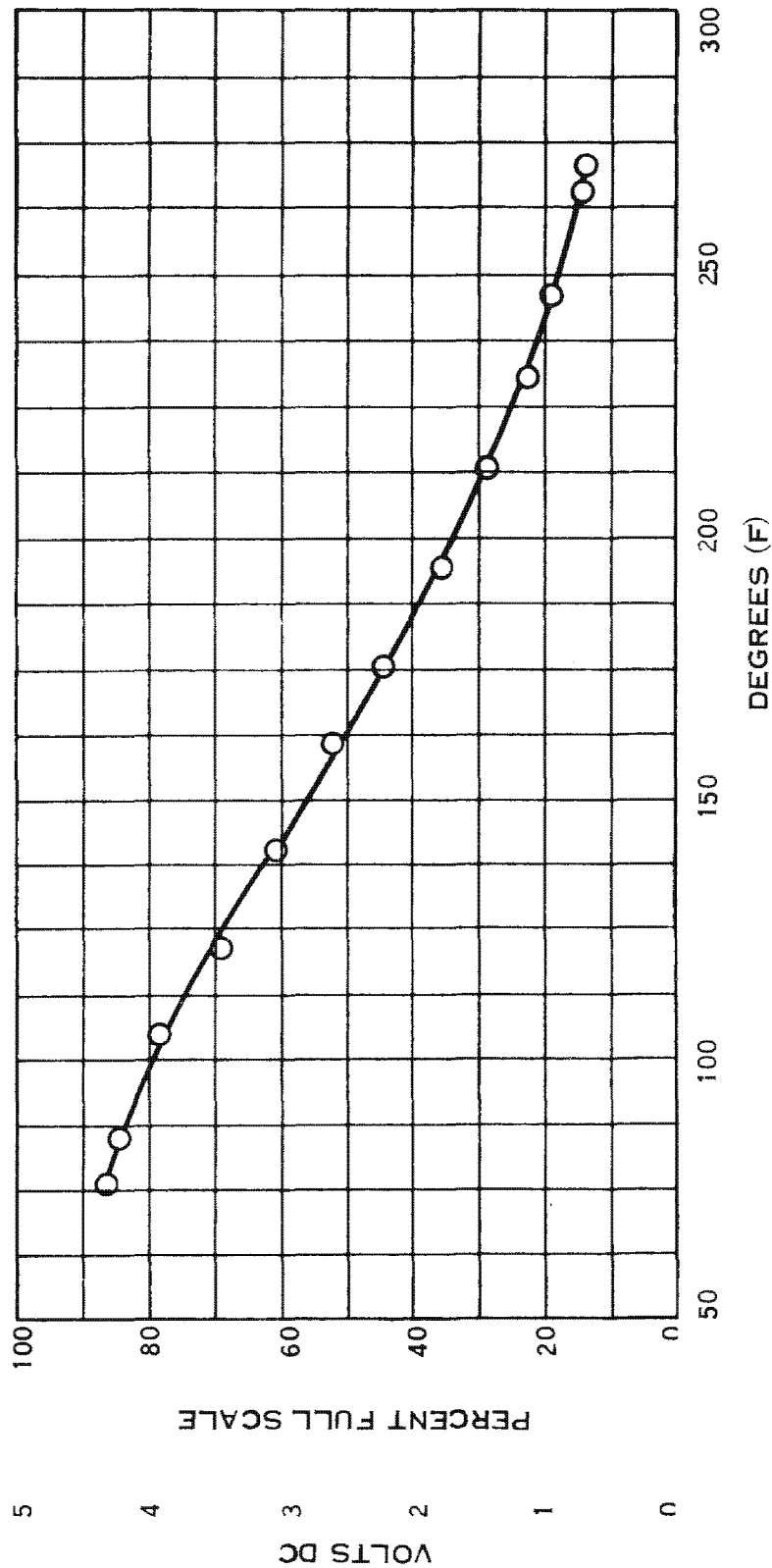
SV SECTION: 6

PULSE: 44

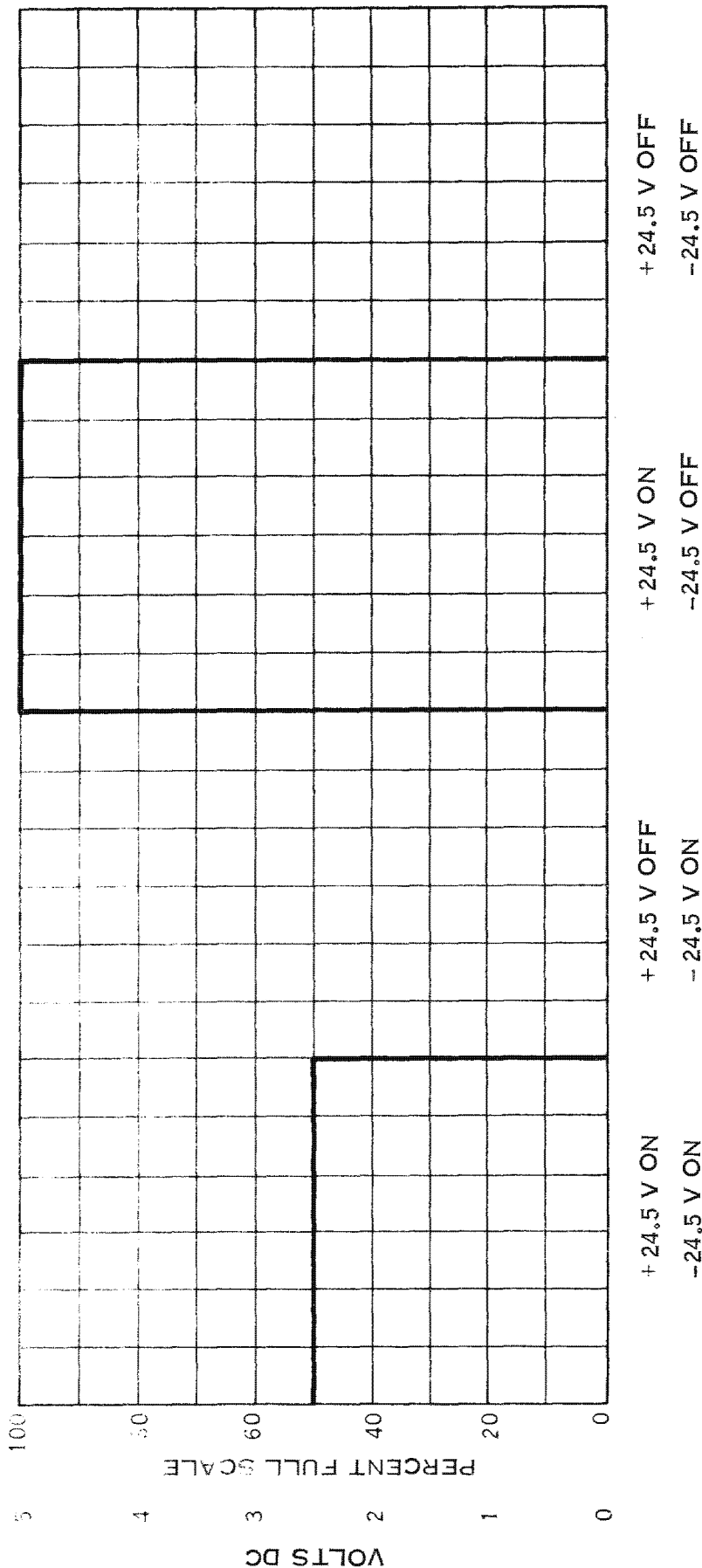
"A" NUMBER: 961

DATA SOURCE: COMPONENT DATA

EXCITATION: 28 VDC



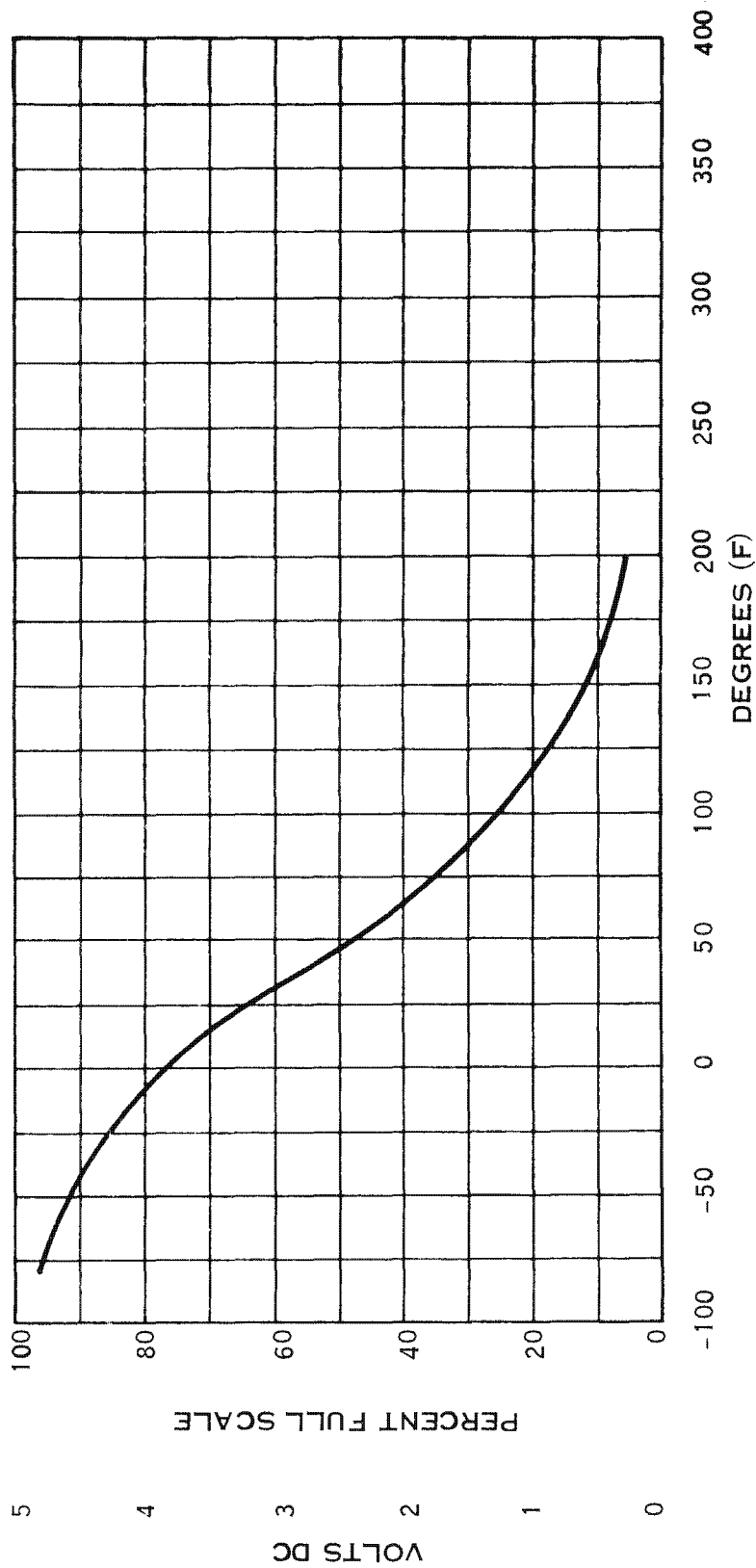
FUNCTION: D.C.P.S. Q4 TEMPERATURE VEHICLE: 988
RANGE: 70 TO 300 DEGREES F STA/RAD: 209/245° BAND: 10 (5.4 KC)
DRAWING NO: 254E544 G3 SV SECTION: 6 PULSE: 45
"A" NUMBER: 961 DATA SOURCE: COMPONENT DATA
EXCITATION: 28 VDC



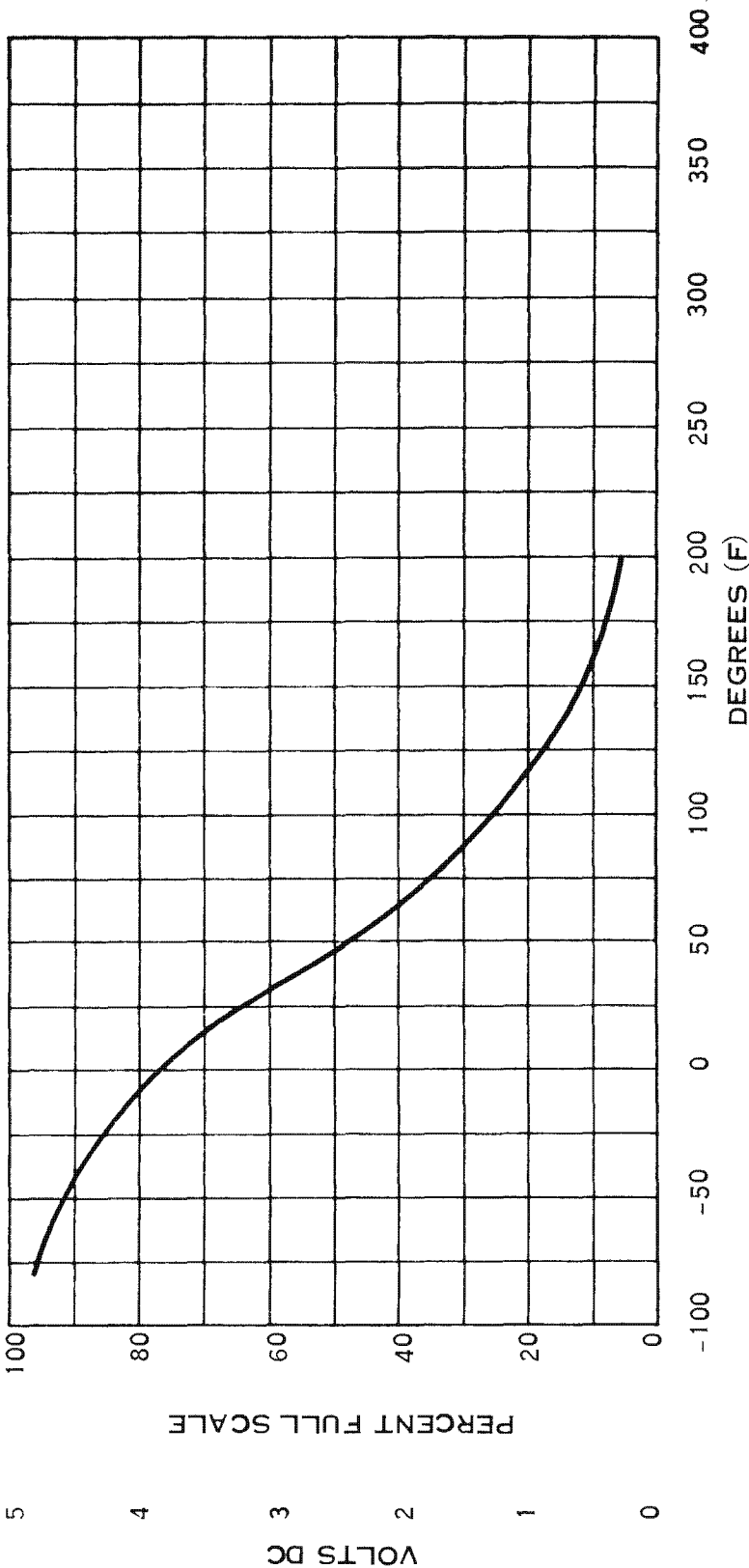
FUNCTION:	DC POWER SUPPLY $\pm$ 24.5 VDC	VEHICLE:	988
RANGE:	STA/RAD: 209/245°	BAND:	10 (5.4 KC)
DRAWING NO:	254E544 G3	PULSE:	46
"A" NUMBER:	961	EXCITATION:	28 VDC
	DATA SOURCE: COMPONENT DATA		

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FUNCTION:	D.C.P.S. INTERNAL TEMPERATURE		VEHICLE:	988	
RANGE:	-80 TO 200 DEGREES F	STA/RAD:	209/245°	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	SV SECTION:	6	PULSE:	47
"A" NUMBER:	DATA SOURCE: STANDARD CURVE		EXCITATION: 5 VDC		



FUNCTION: 6V P.S. BASE PLATE TEMP.

VEHICLE: 988

RANGE: -80 TO 200 DEG. F

STA/RAD: 164/315°

BAND: 10 (5.4 KC)

DRAWING NO: 115C7168 G1

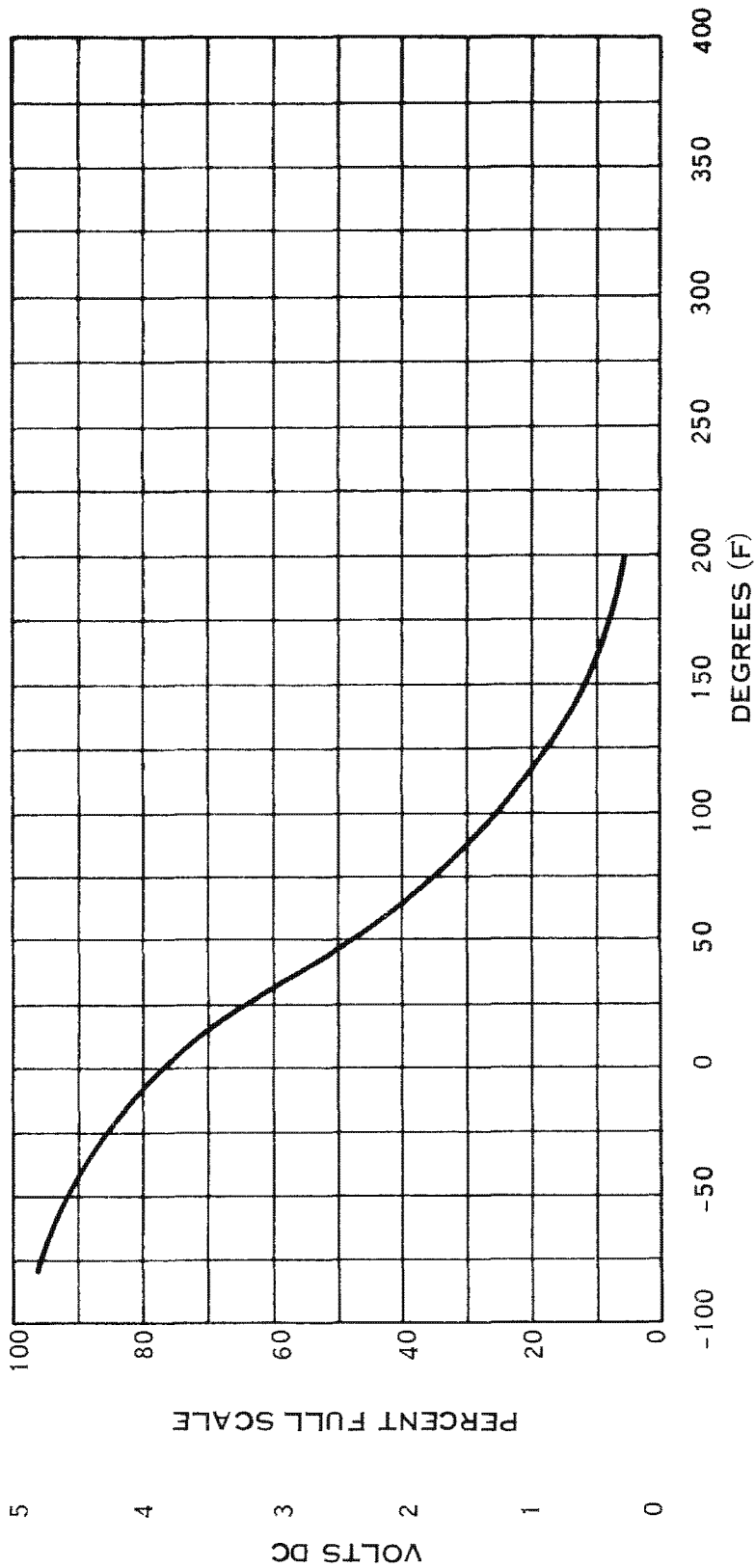
SV SECTION: 6

PULSE: 48

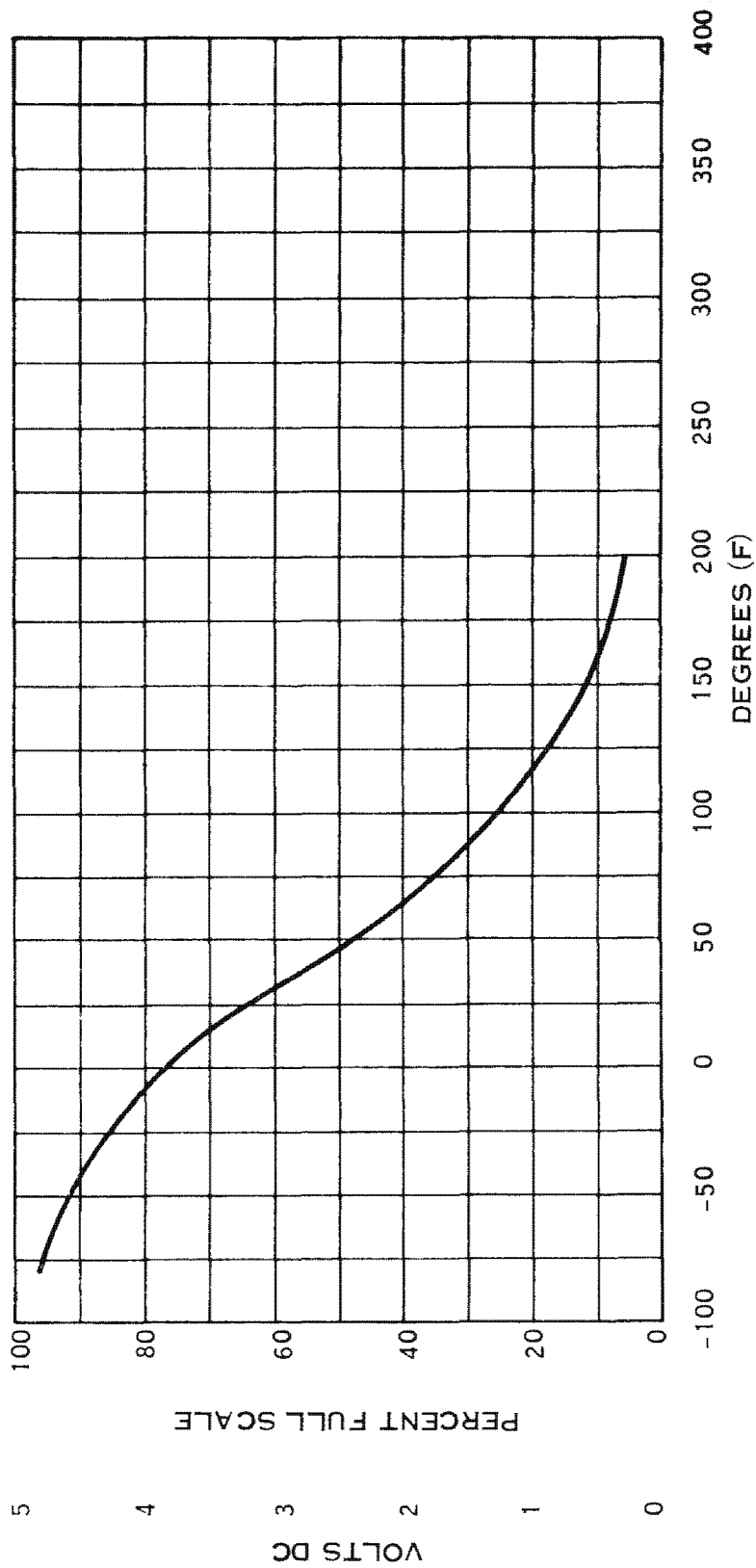
"A" NUMBER: 119

DATA SOURCE: STANDARD CURVE

EXCITATION: 5 VDC



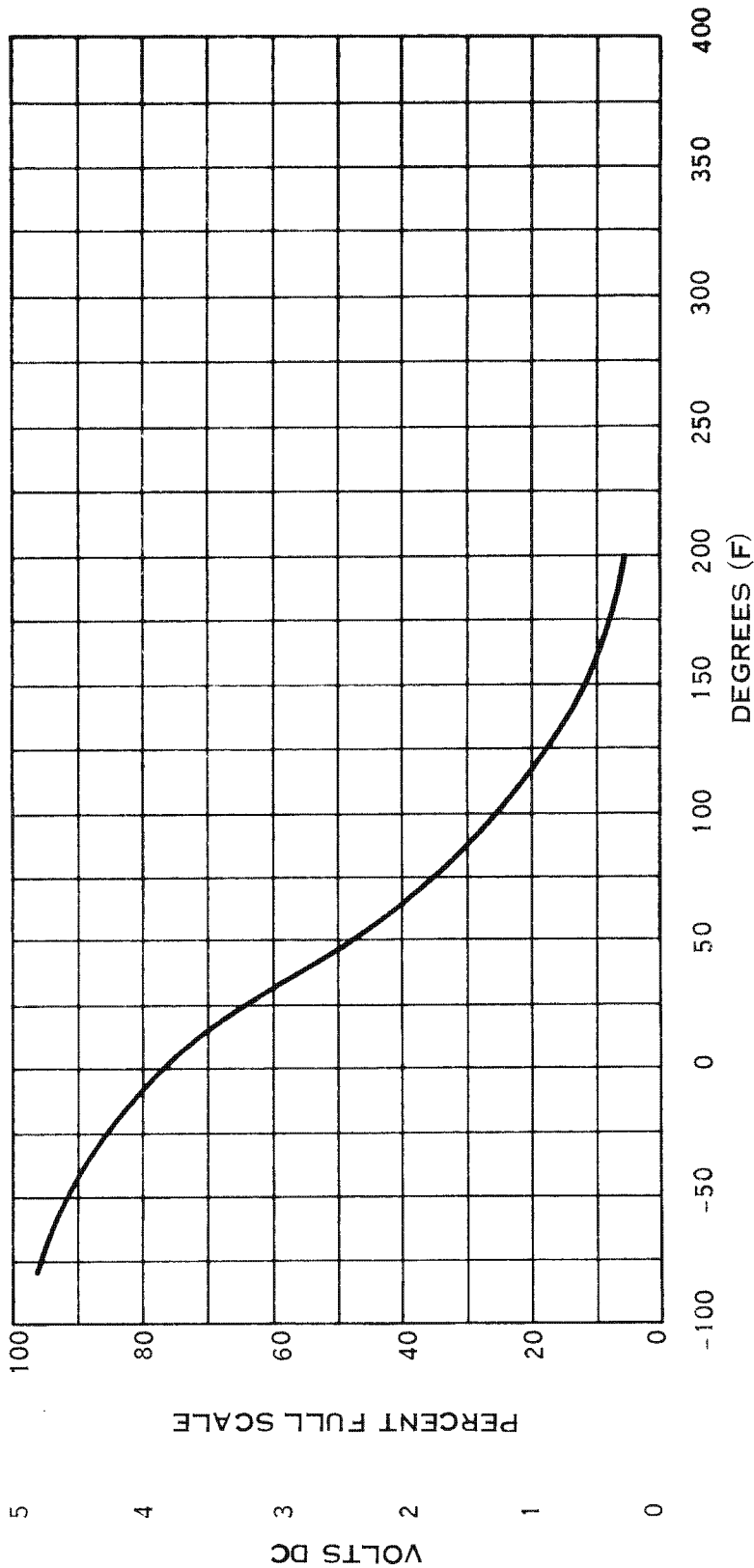
FUNCTION: TEMPERATURE, LINER STA. 190 AT 240° VEHICLE: 988
RANGE: -80 TO 200 DEGREES F STA/RAD: 190/240° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G1 SV SECTION: 6 PULSE: 49
"A" NUMBER: 125 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



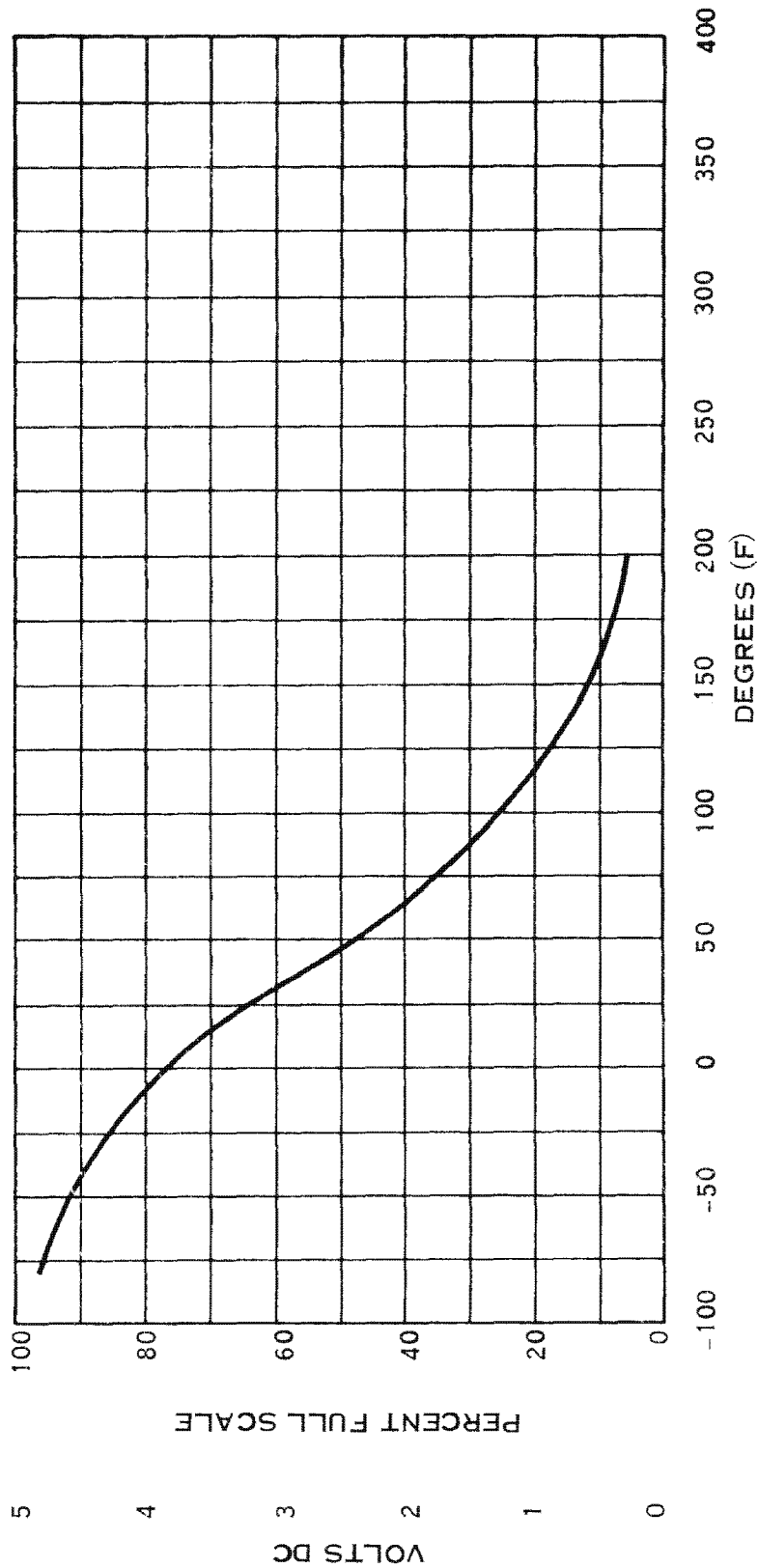
FUNCTION:	TEMPERATURE, LINER STA. 190 AT 300°	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	50
"A" NUMBER:	126	EXCITATION:	5 VDC

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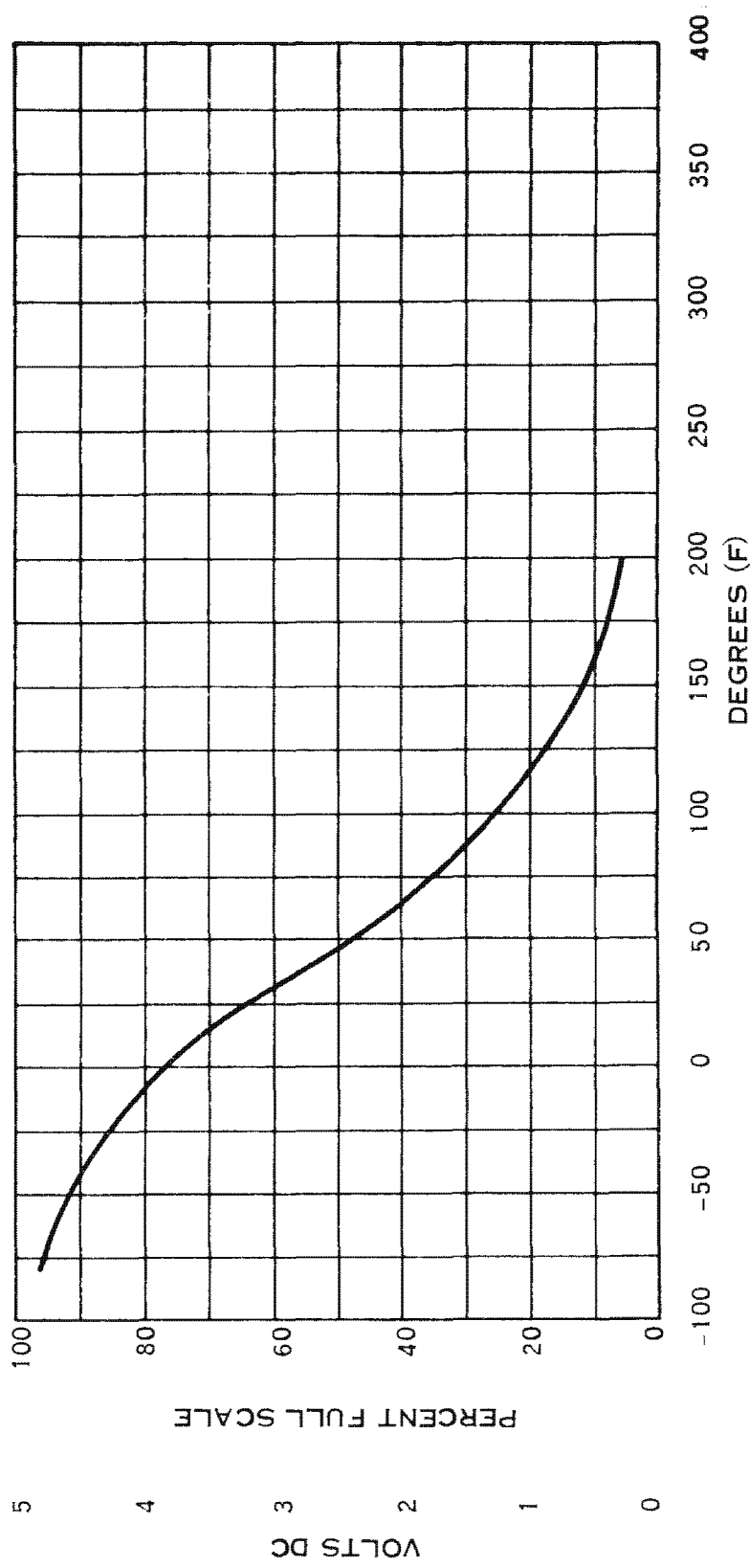
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FUNCTION: TEMPERATURE, LINER STA. 184 AT 350° VEHICLE: 988
RANGE: -80 TO 200 DEGREES F STA/RAD: 184/350° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G1 SV SECTION: 6 PULSE: 51
"A" NUMBER: 71 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



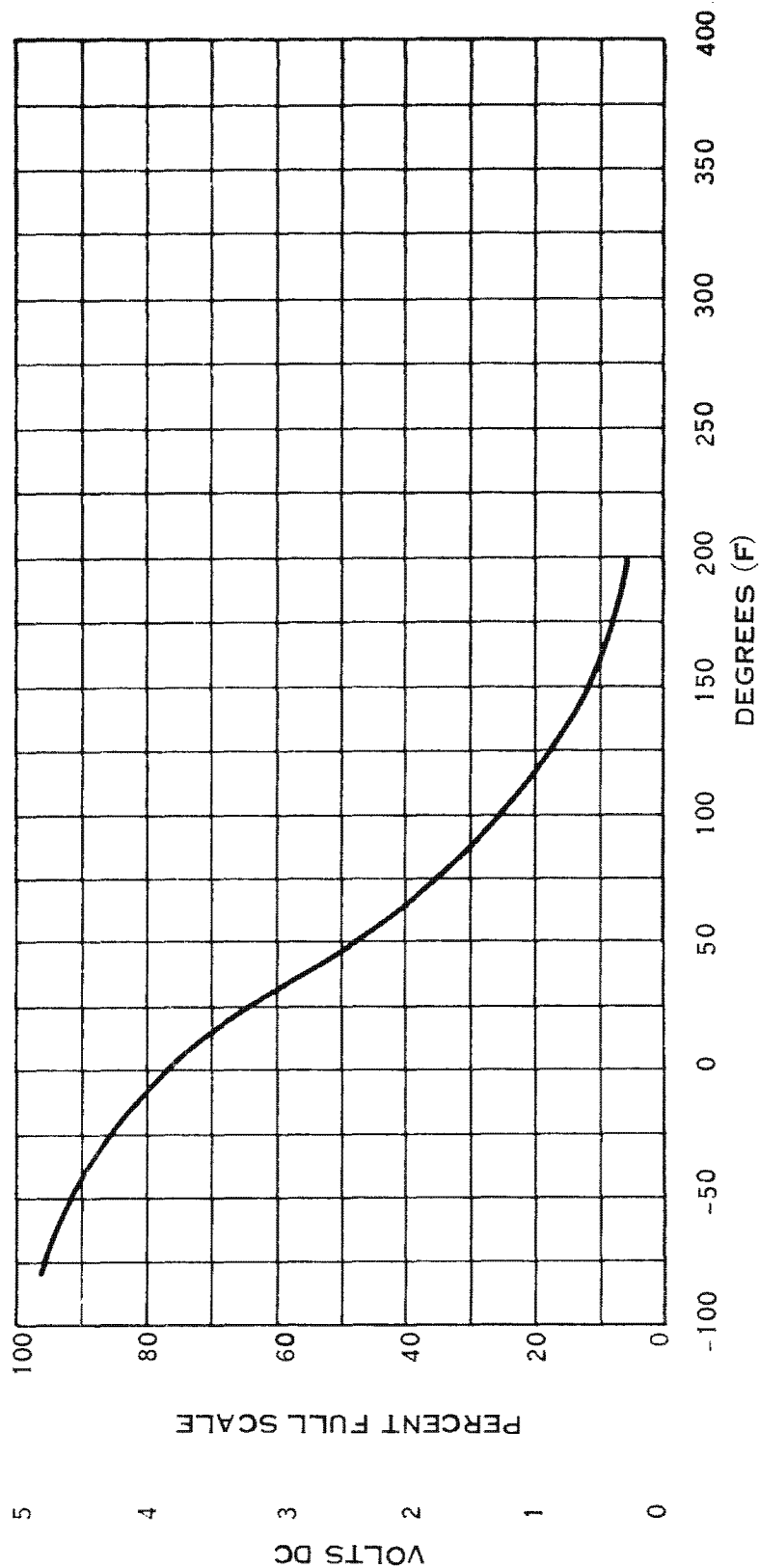
FUNCTION:	TEMPERATURE, OCV SKIN STA. 190 AT 60°	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	52
"A" NUMBER:	123	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



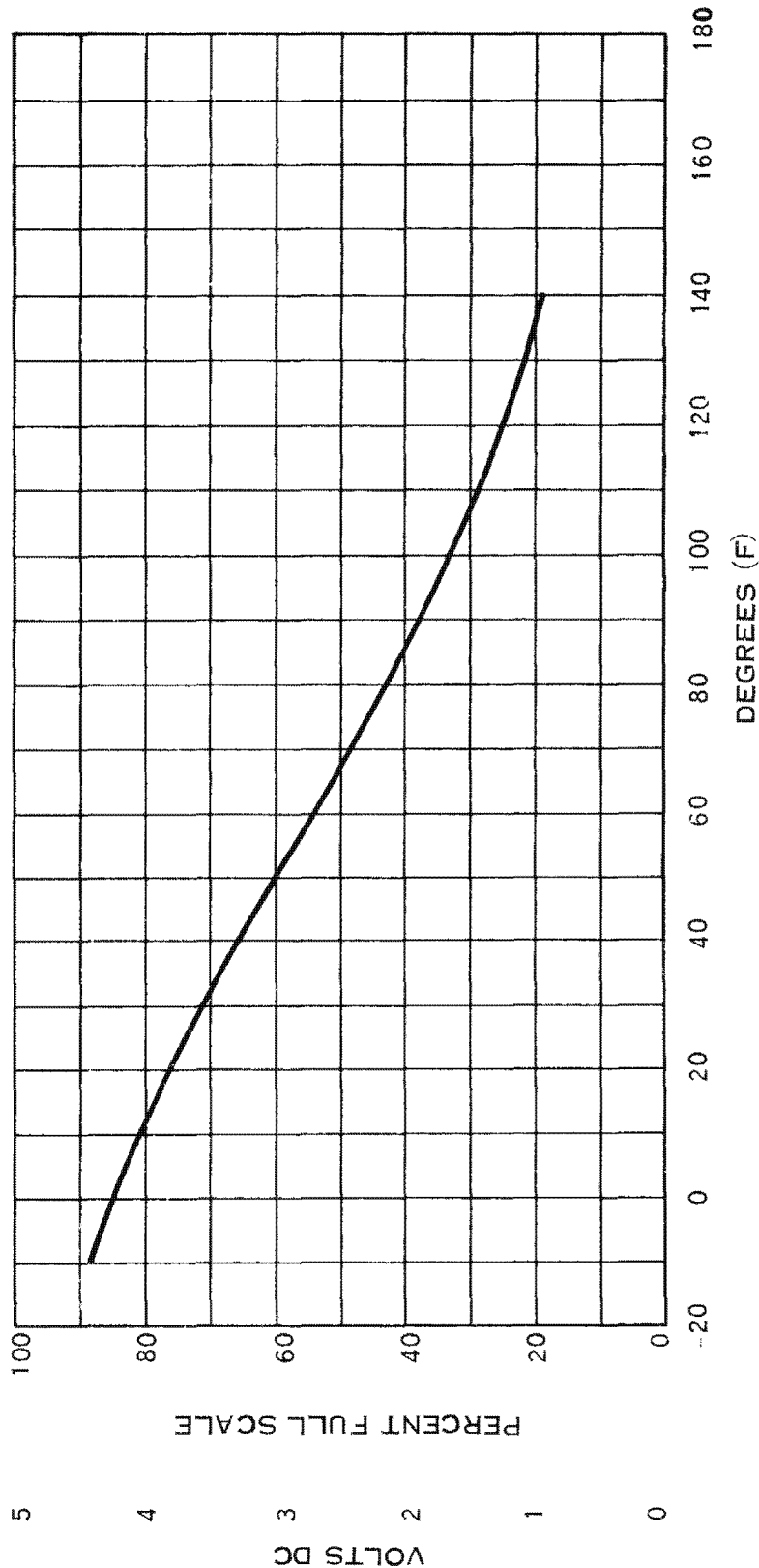
FUNCTION:	TEMPERATURE, OCV SKIN STA. 190 AT 120	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	53
"A" NUMBER:	124	EXCITATION:	5 VDC

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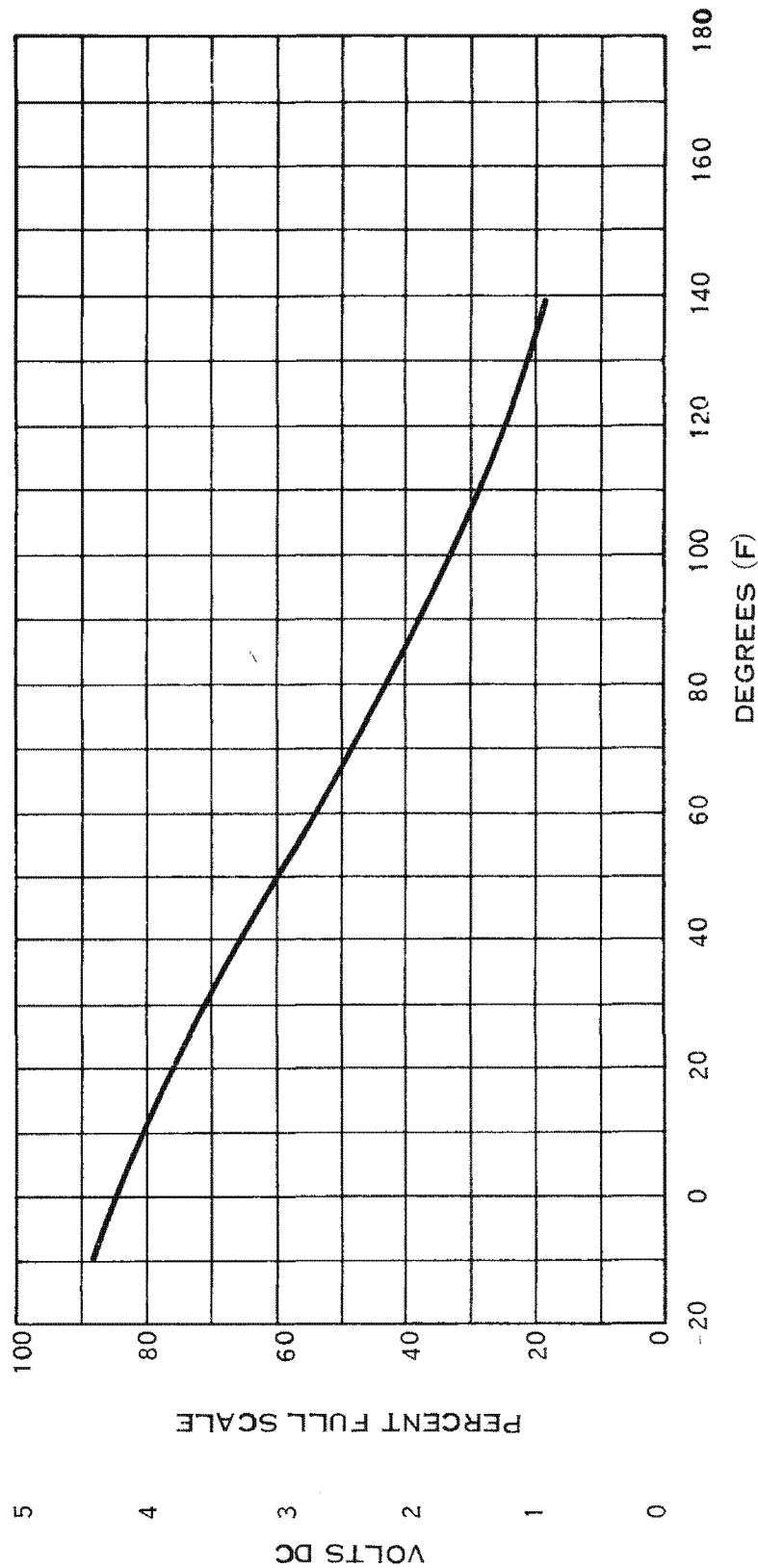
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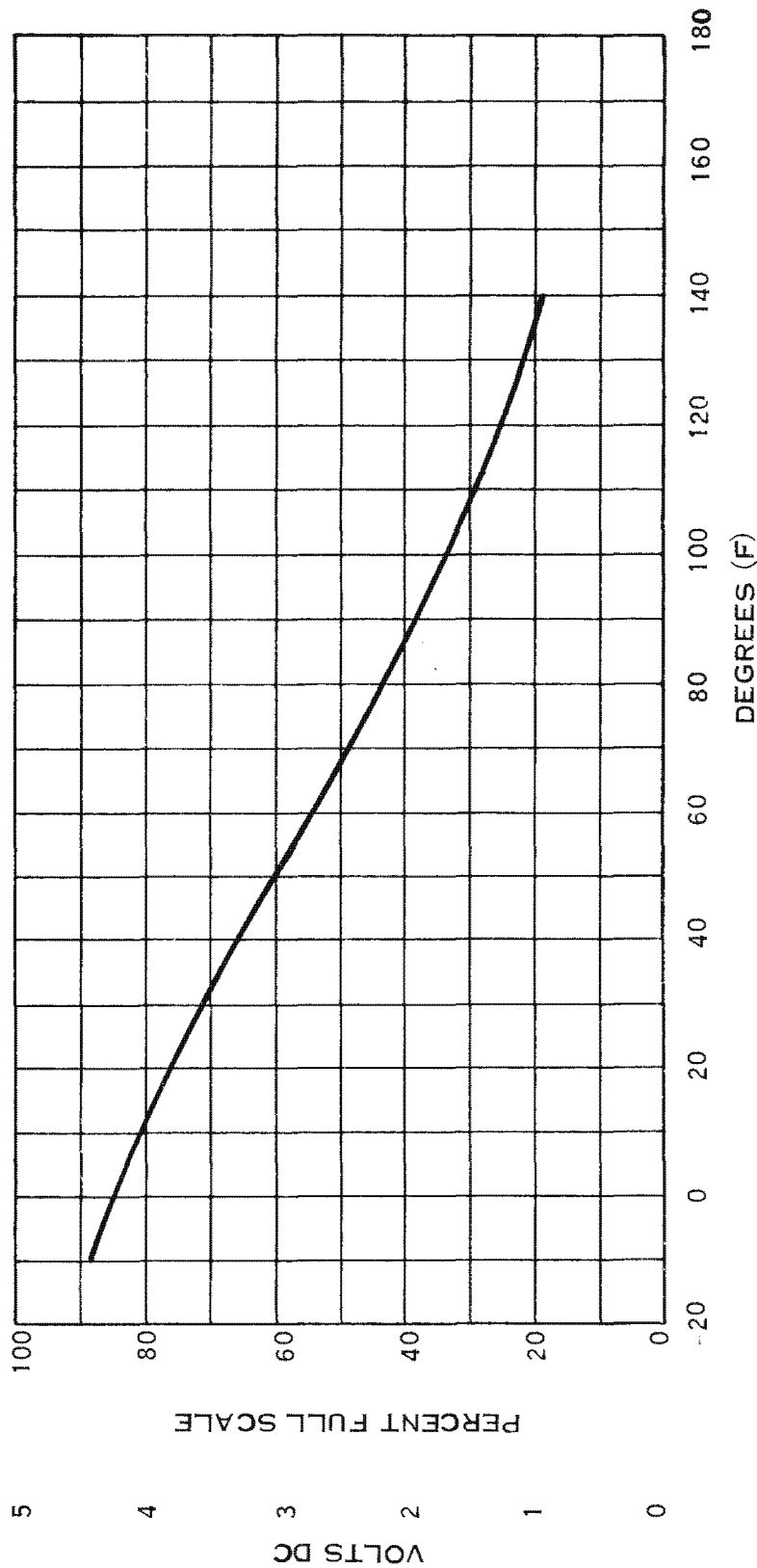
FUNCTION:	TEMPERATURE, LINER STA. 190 AT 182°	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	54
"A" NUMBER:	72	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



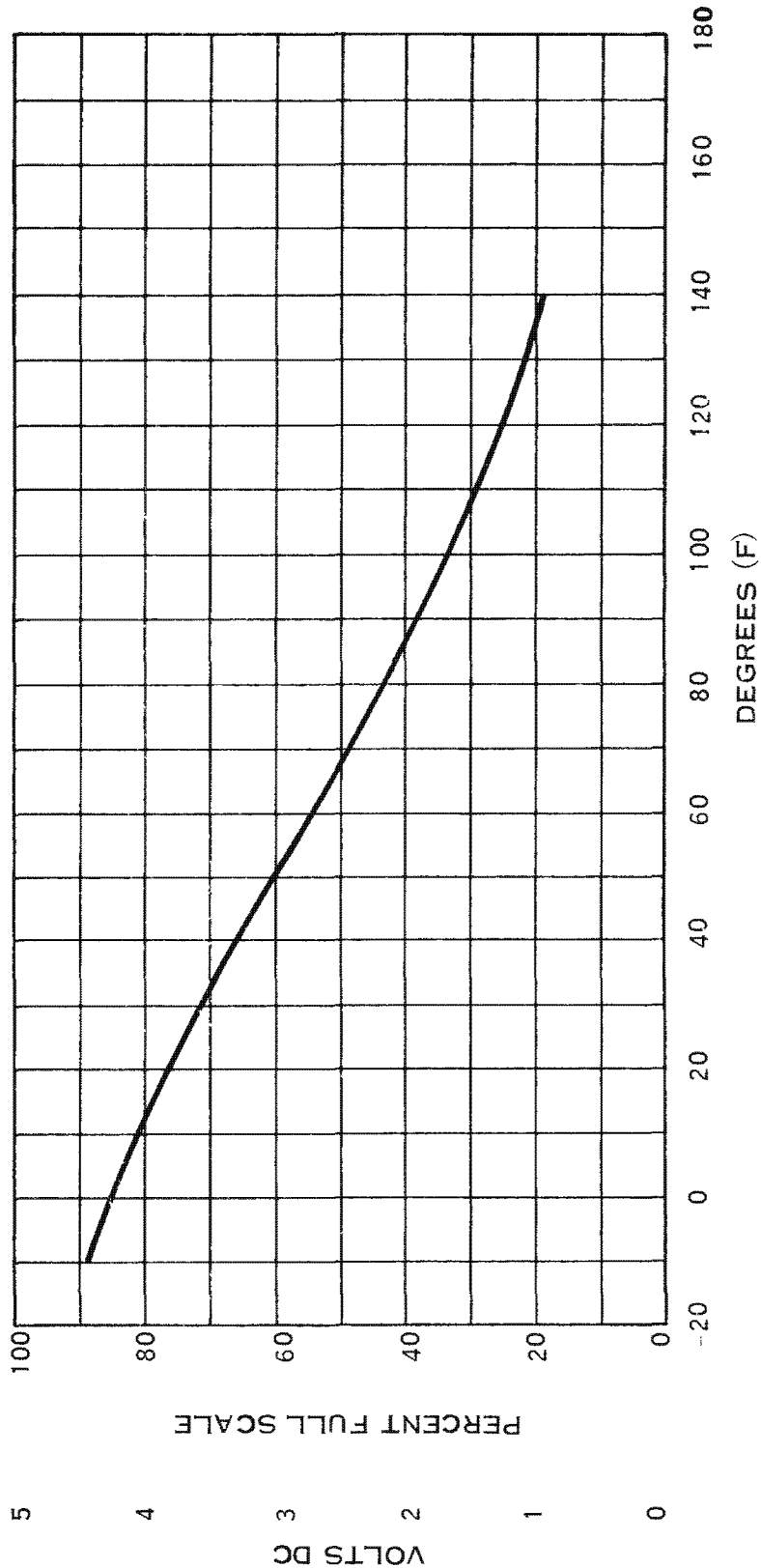
FUNCTION: TEMPERATURE, INSIDE INSULATION STA. 190 AT 60° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 190/60° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 6 PULSE: 55
"A" NUMBER: 149 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



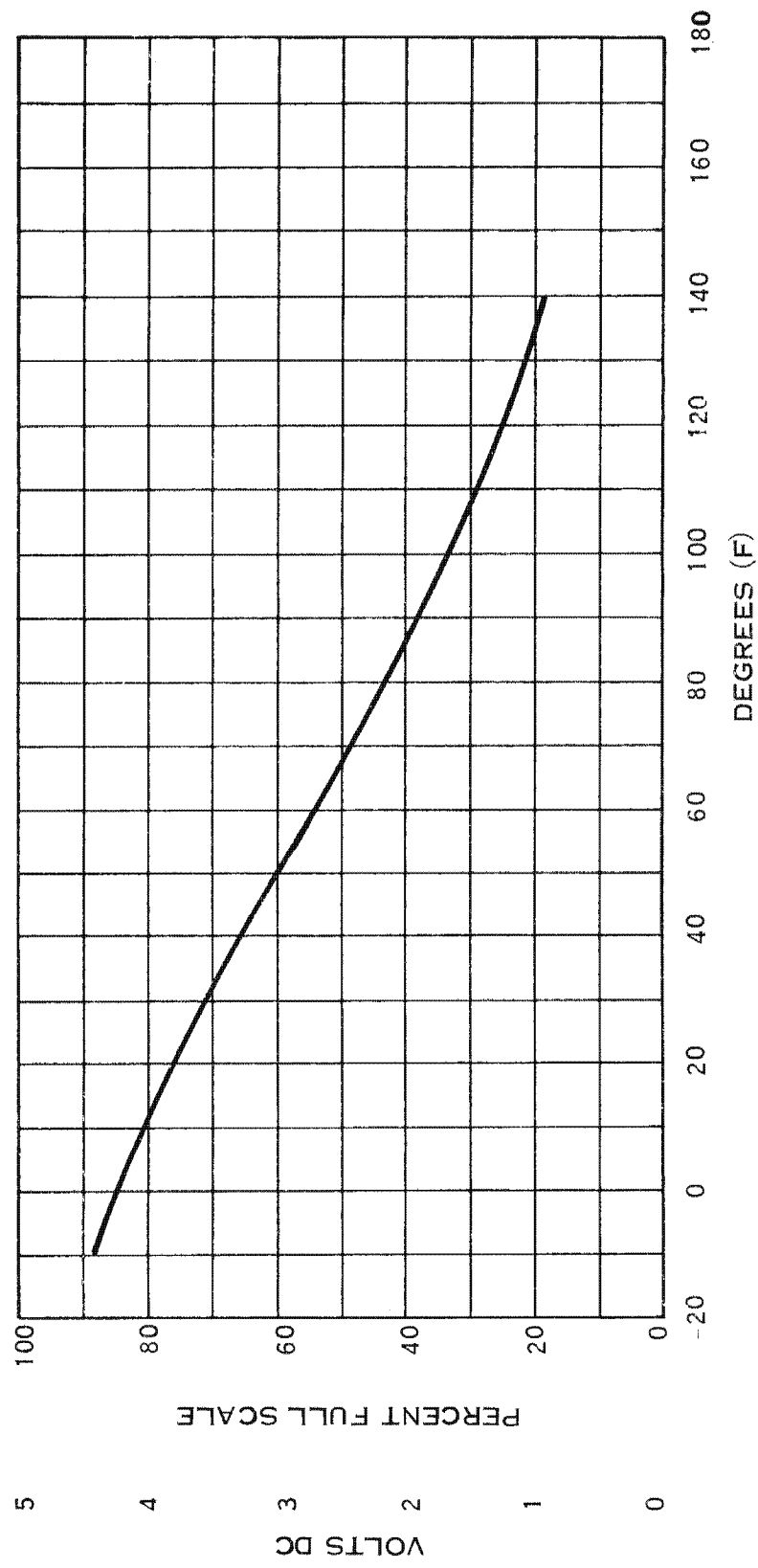
FUNCTION: TEMPERATURE, INSIDE INSULATION STA. 190 AT 180° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 190/180° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 6 PULSE: 56
"A" NUMBER: 148 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



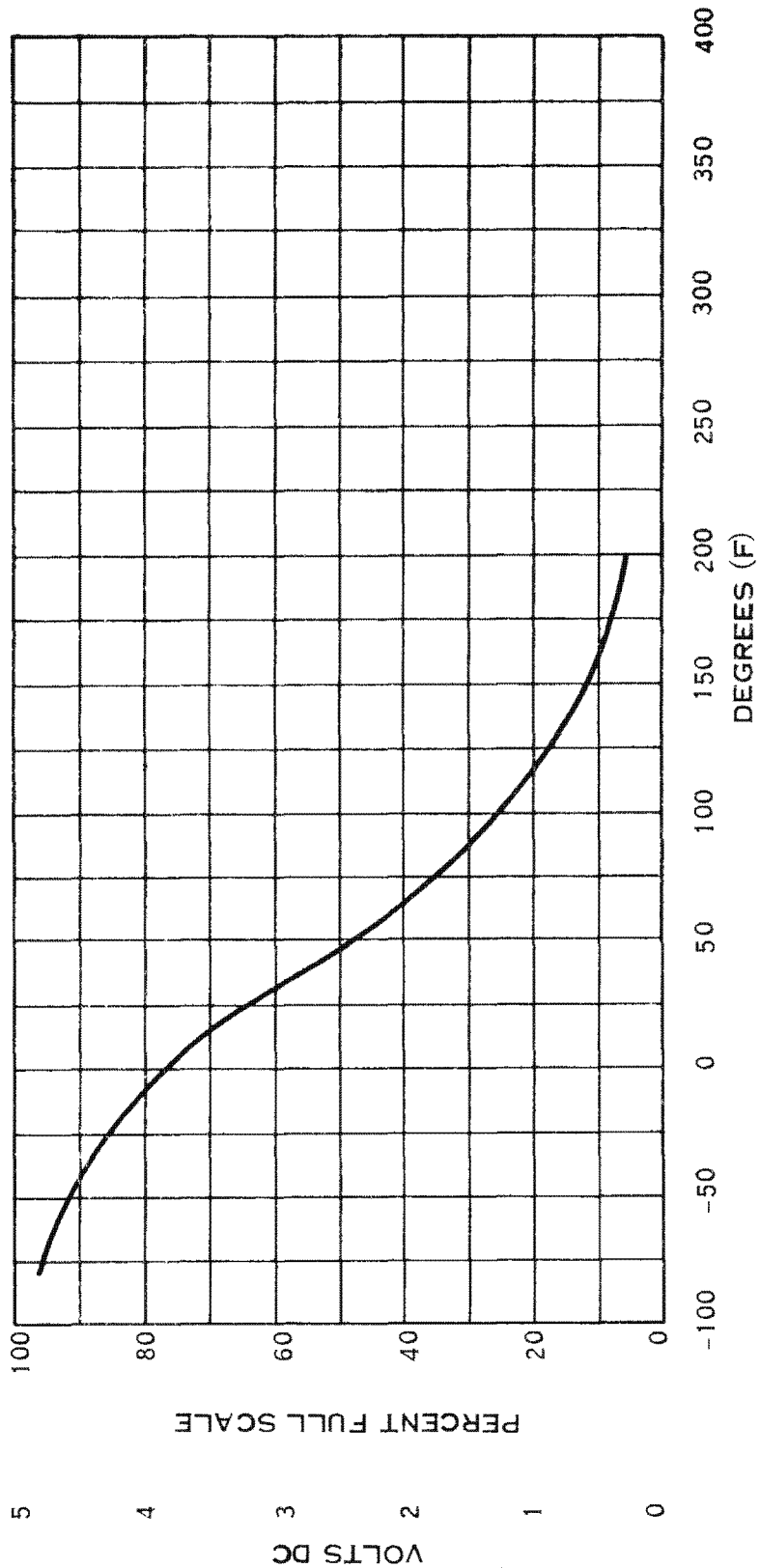
FUNCTION: TEMPERATURE, INSIDE INSULATION STA. 190 AT 300° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 190/300° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 6 PULSE: 57
"A" NUMBER: 150 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



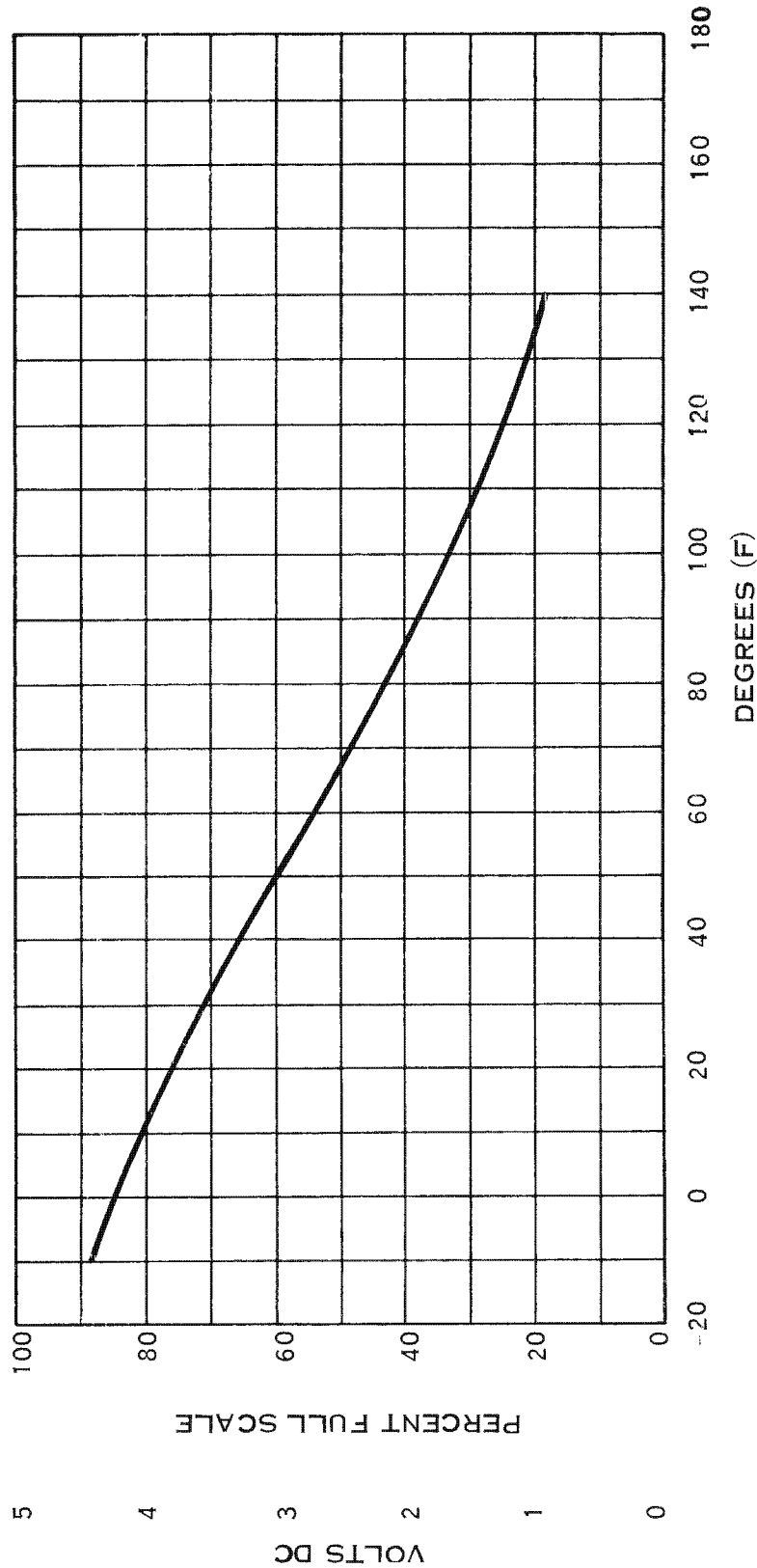
FUNCTION: TEMPERATURE, VEHICLE STRUCTURE STA. 127 AT 185° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 127/185° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 6 PULSE: 58
"A" NUMBER: 162 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



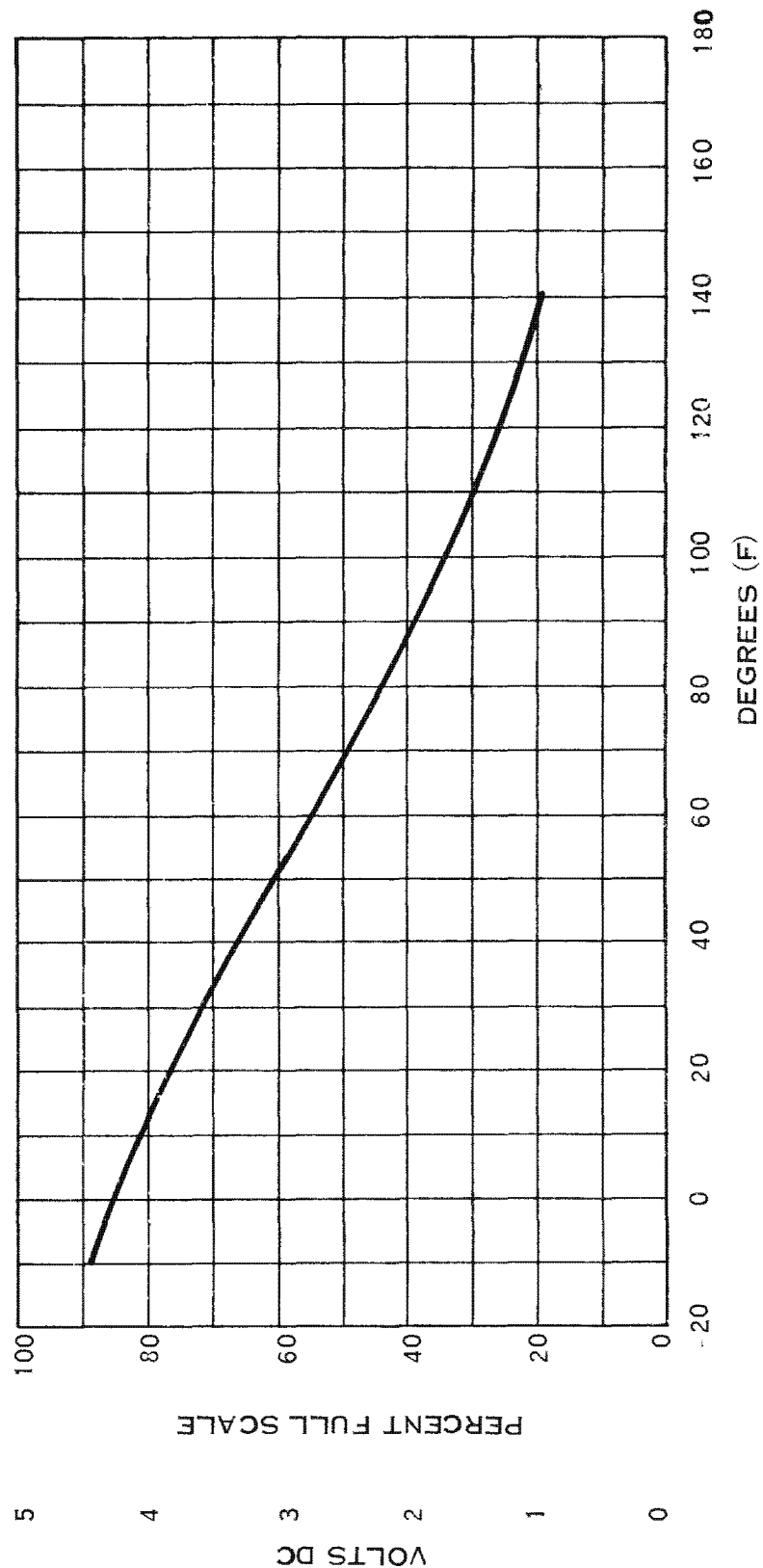
FUNCTION: TEMPERATURE, DECODER PROGRAMMER PLATE VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 192/356° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 6 PULSE: 59
"A" NUMBER: 106 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



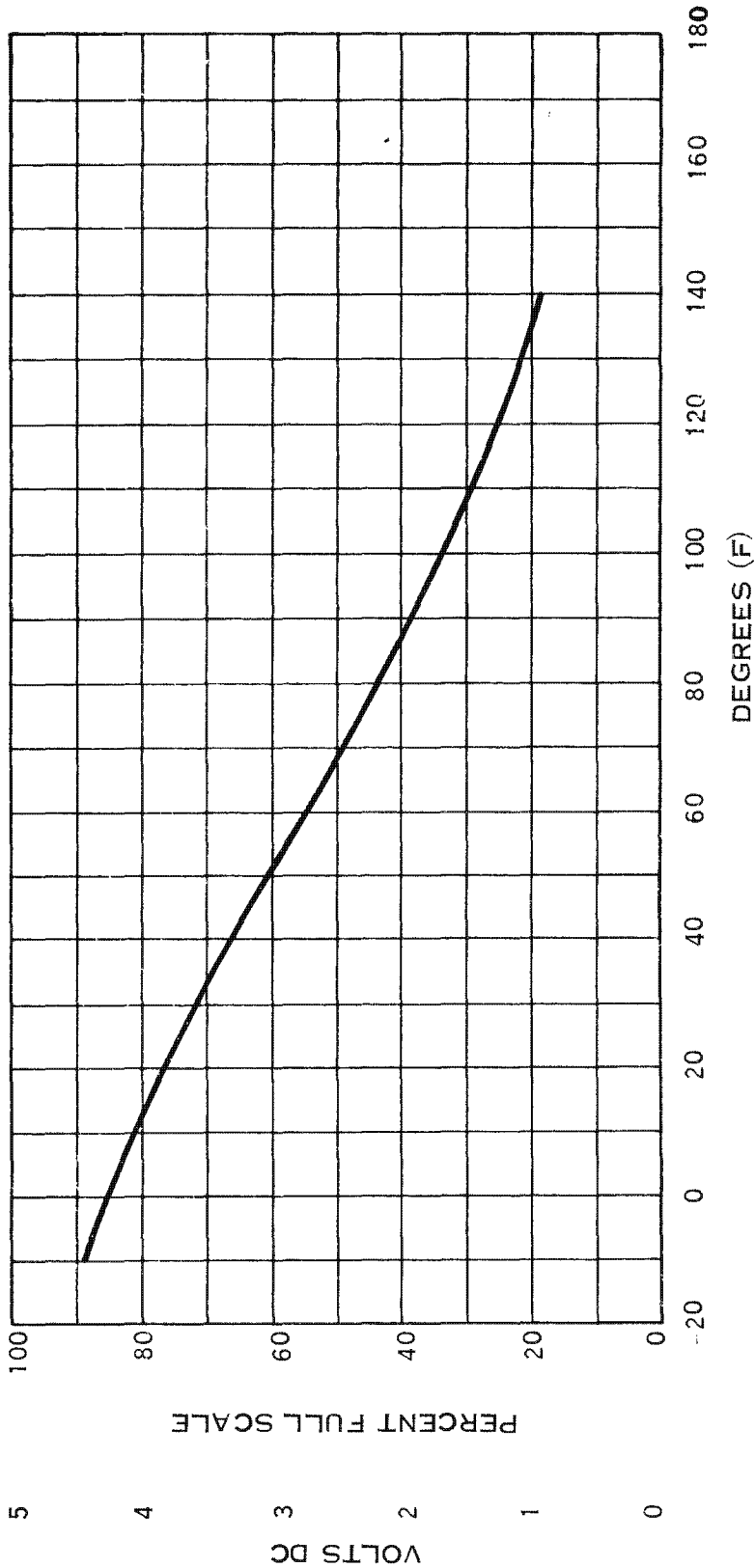
FUNCTION:	TEMPERATURE, OUTSIDE INSUL.	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	60
"A" NUMBER:	165	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



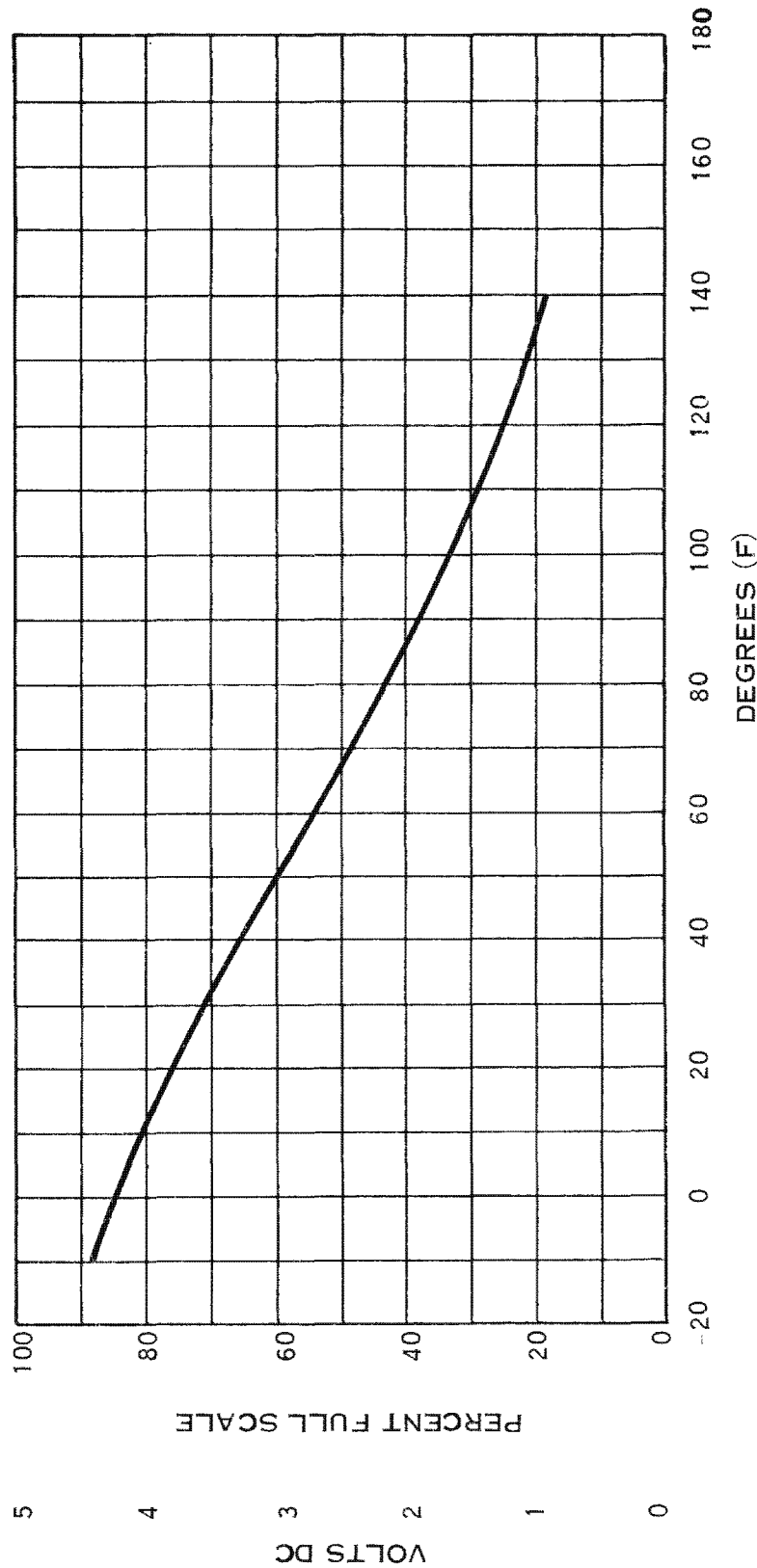
FUNCTION: TEMPERATURE, SECTION 5 HEATER STA. 84 AT 180° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 84/180° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 5 PULSE: 61
"A" NUMBER: 156 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



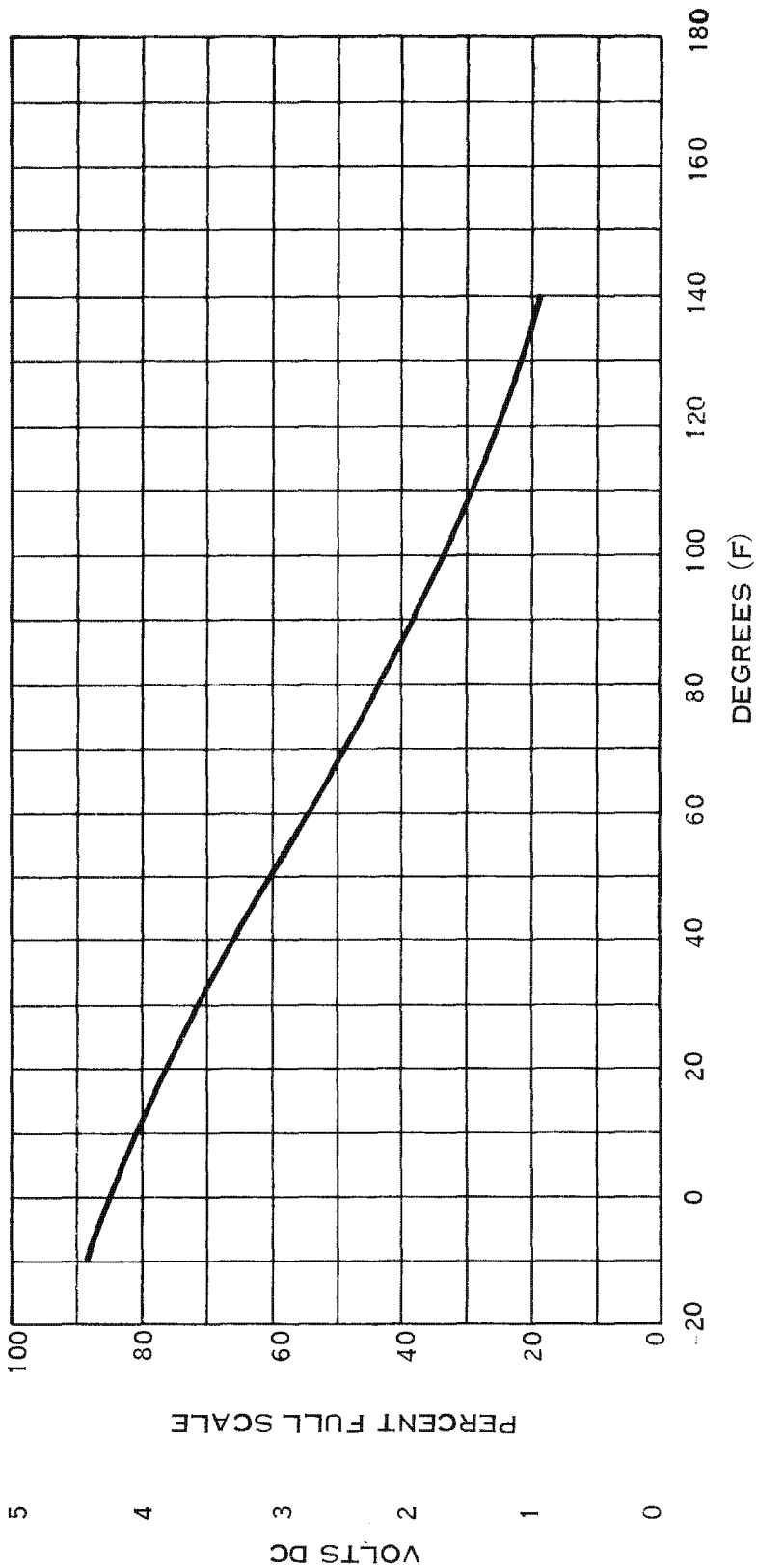
FUNCTION: TEMPERATURE, SECTION 5 HEATER STA. 104 AT 15° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 104/15° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 5 PULSE: 62
"A" NUMBER: 159 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



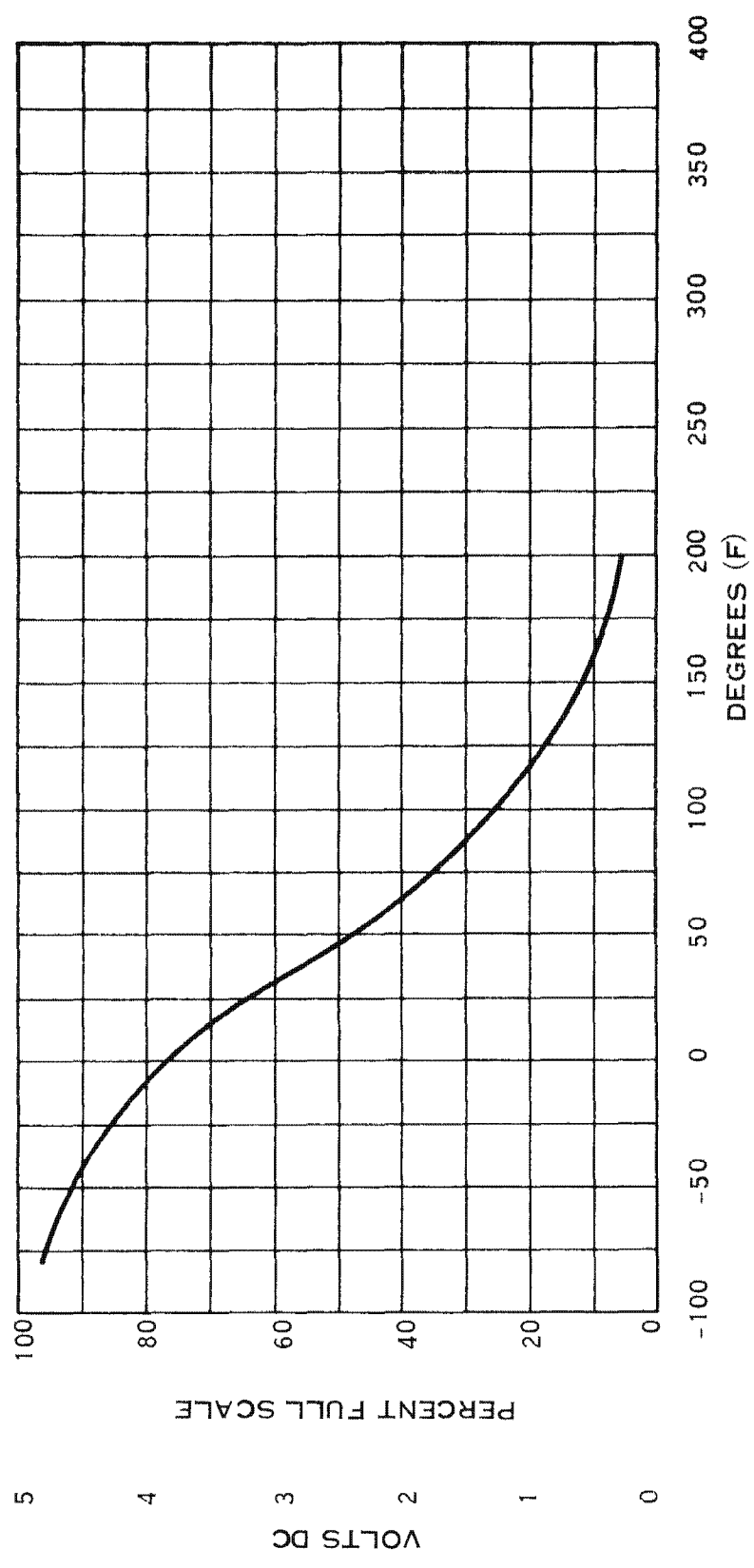
FUNCTION: TEMPERATURE, SECTION 5 HEATER STA. 104 AT 90° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 104/90° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 5 PULSE: 63
"A" NUMBER: 157 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



FUNCTION: TEMPERATURE, SECTION 5 HEATER STA. 104 AT 180° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 104/180° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 5 PULSE: 64
"A" NUMBER: 160 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



FUNCTION: TEMPERATURE, SECTION 5 HEATER STA. 104 AT 270° VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 104/270° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G2 SV SECTION: 5 PULSE: 65
"A" NUMBER: 158 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



FUNCTION: TEMPERATURE, STA. 69 AT 0 DEGREES

RANGE: -80 TO 200 DEGREES F

DRAWING NO: 115C7168 G1

"A" NUMBER: 109

VEHICLE: 988

BAND: 10 (5.4 KC)

PULSE: 66

EXCITATION: 5 VDC

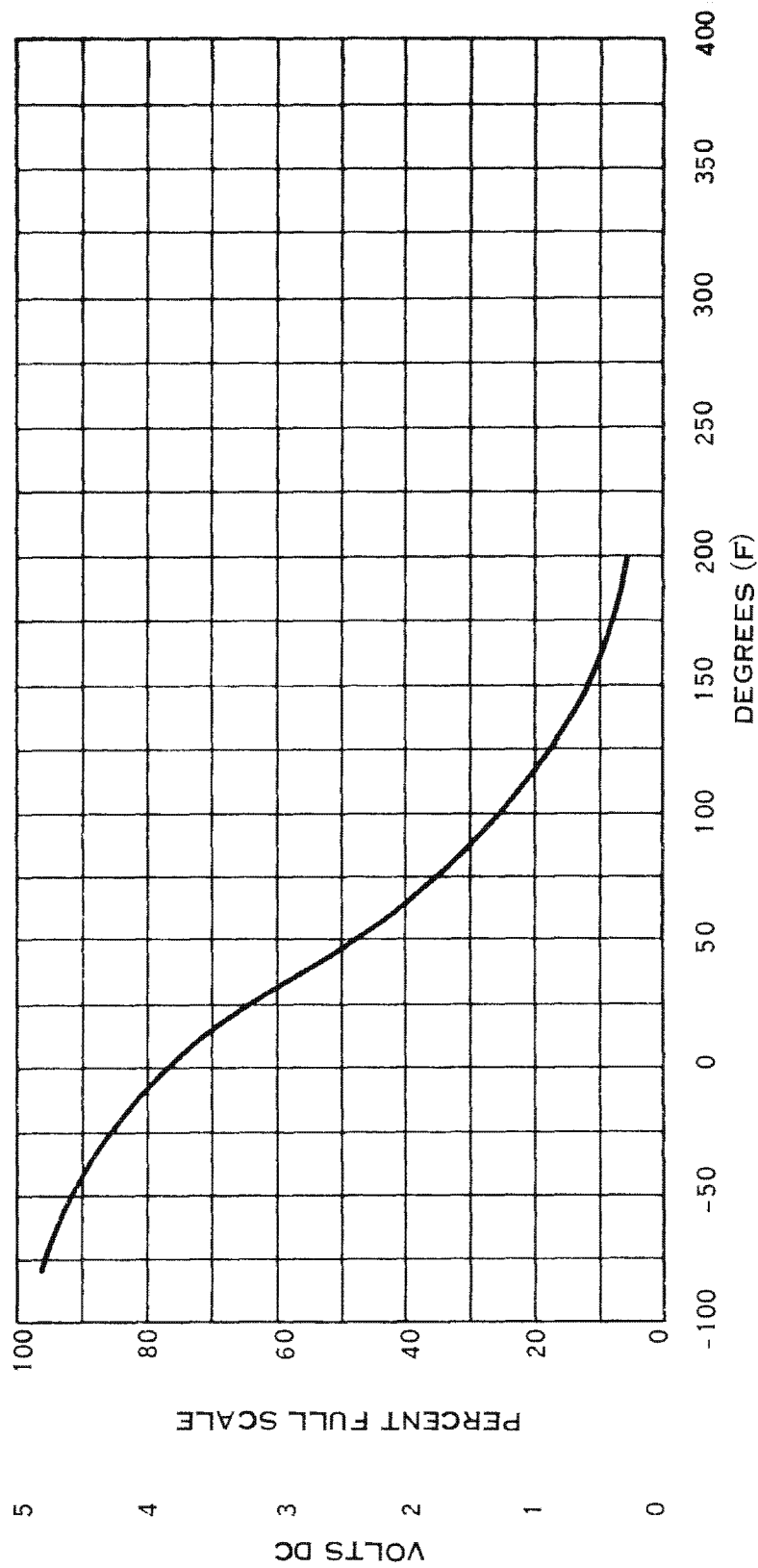
STA/RAD: 69/360°

SV SECTION: 4

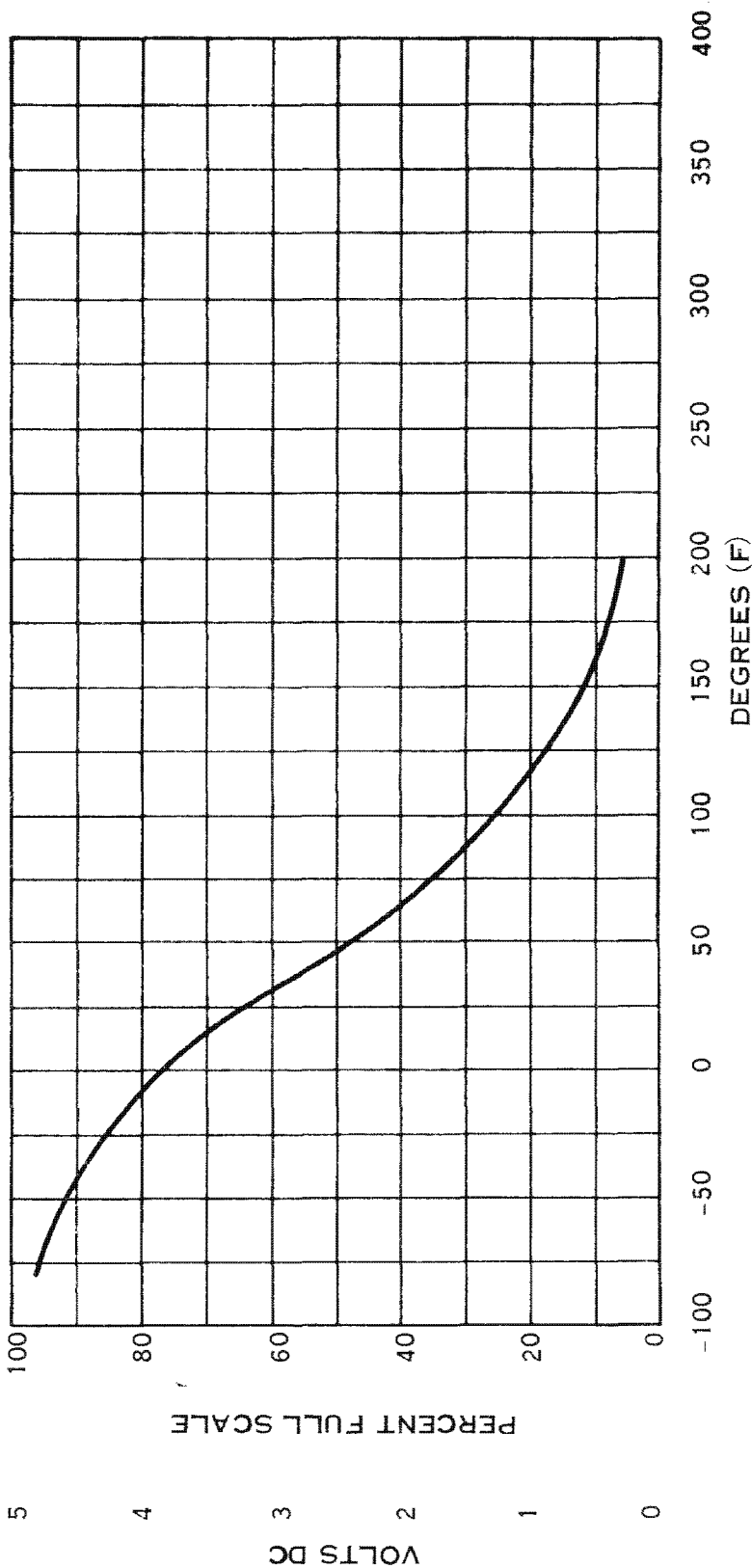
DATA SOURCE: STANDARD CURVE

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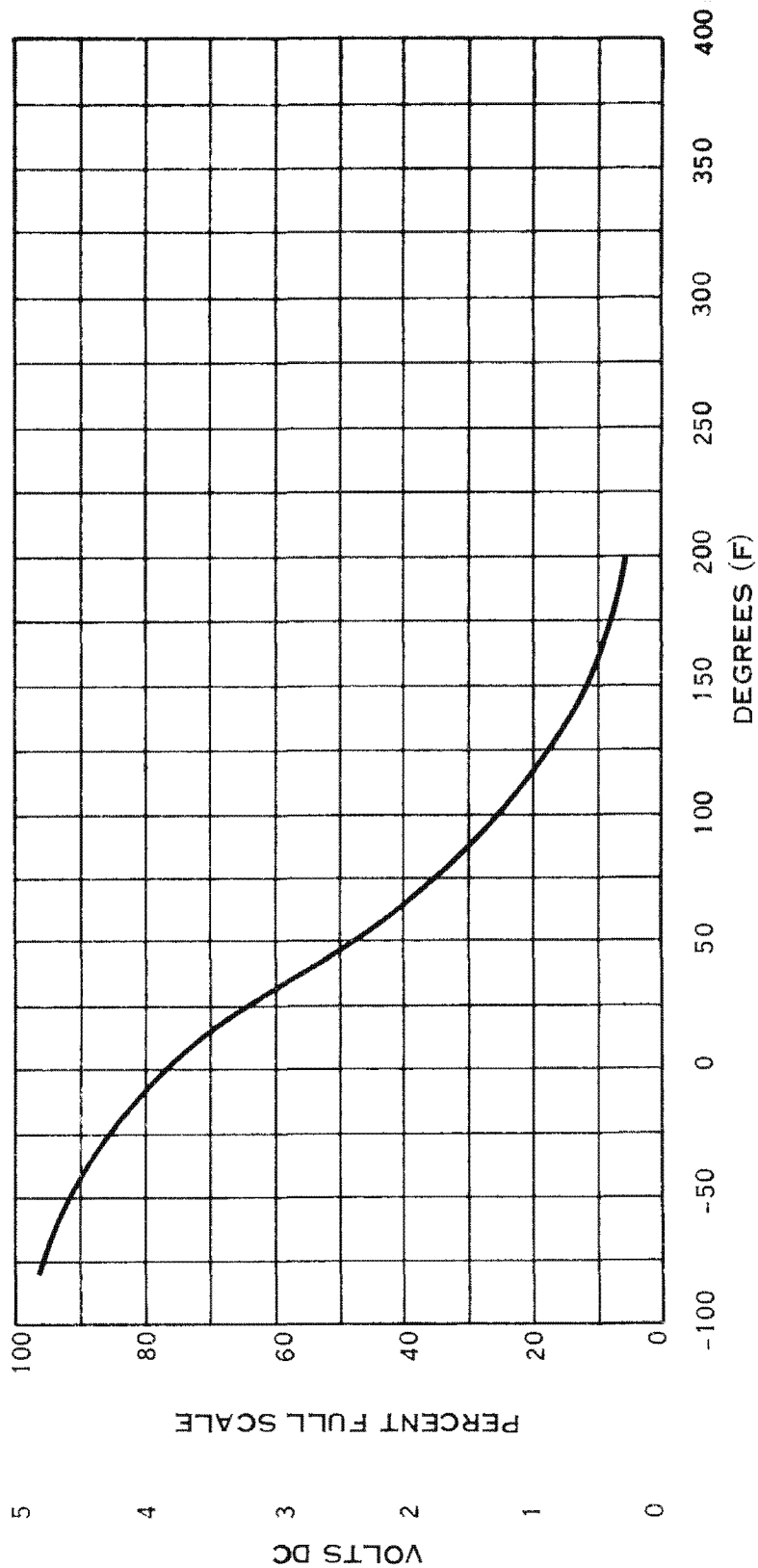
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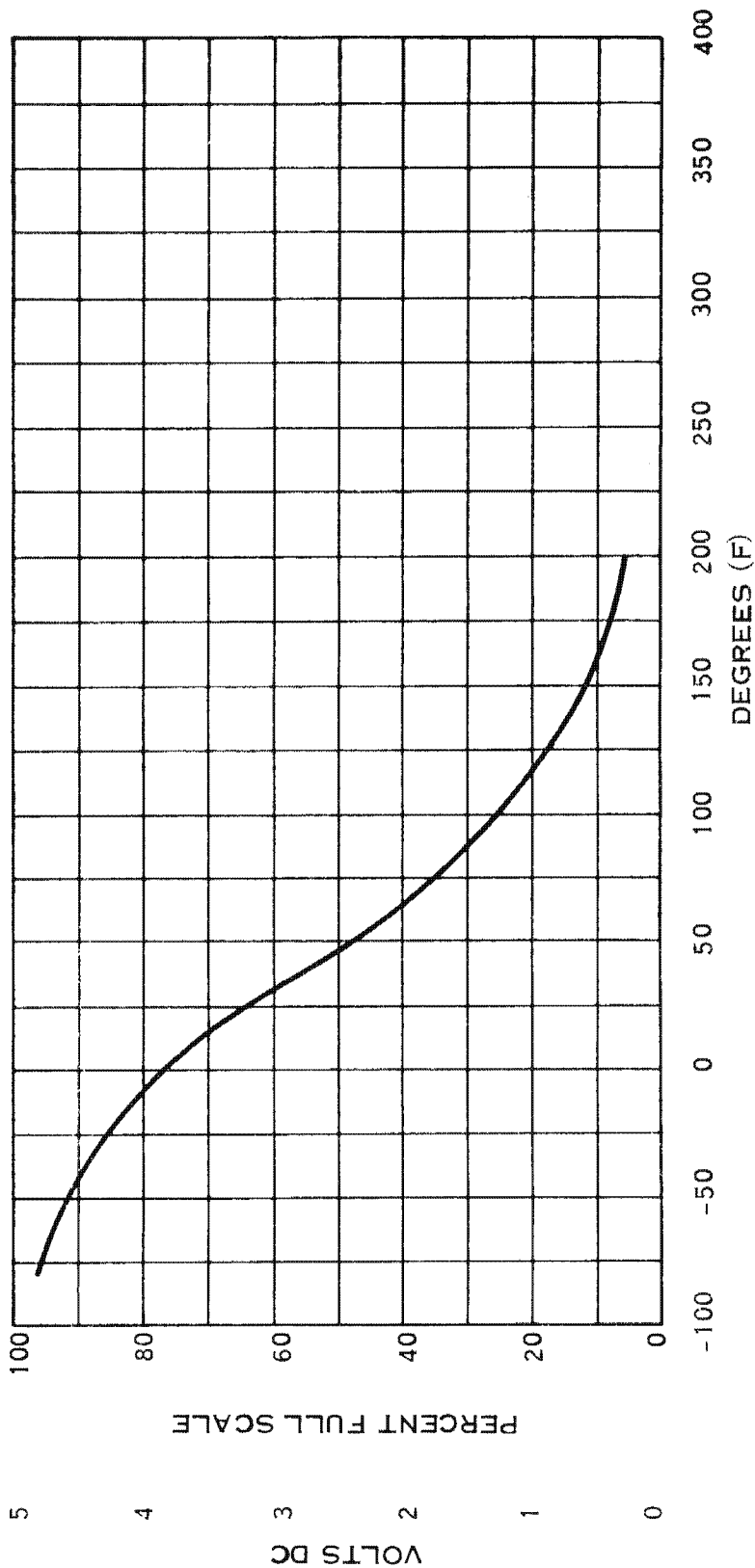
FUNCTION:	TEMPERATURE, STA. 68 TO 55 DEGREES	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	67
"A" NUMBER:	110	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



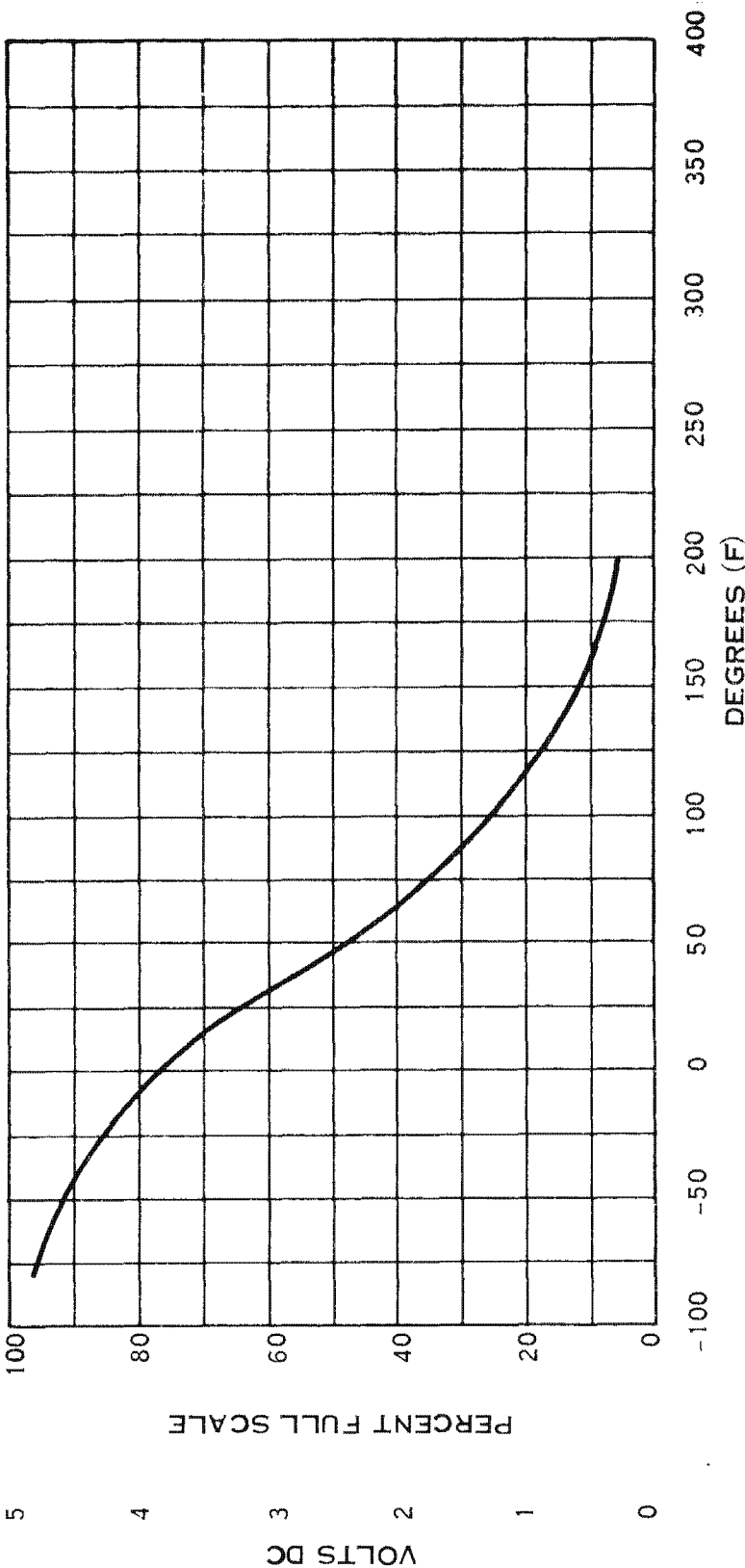
FUNCTION:	TEMPERATURE, STA. 68 AT 115 DEGREES	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	68
"A" NUMBER:	111	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



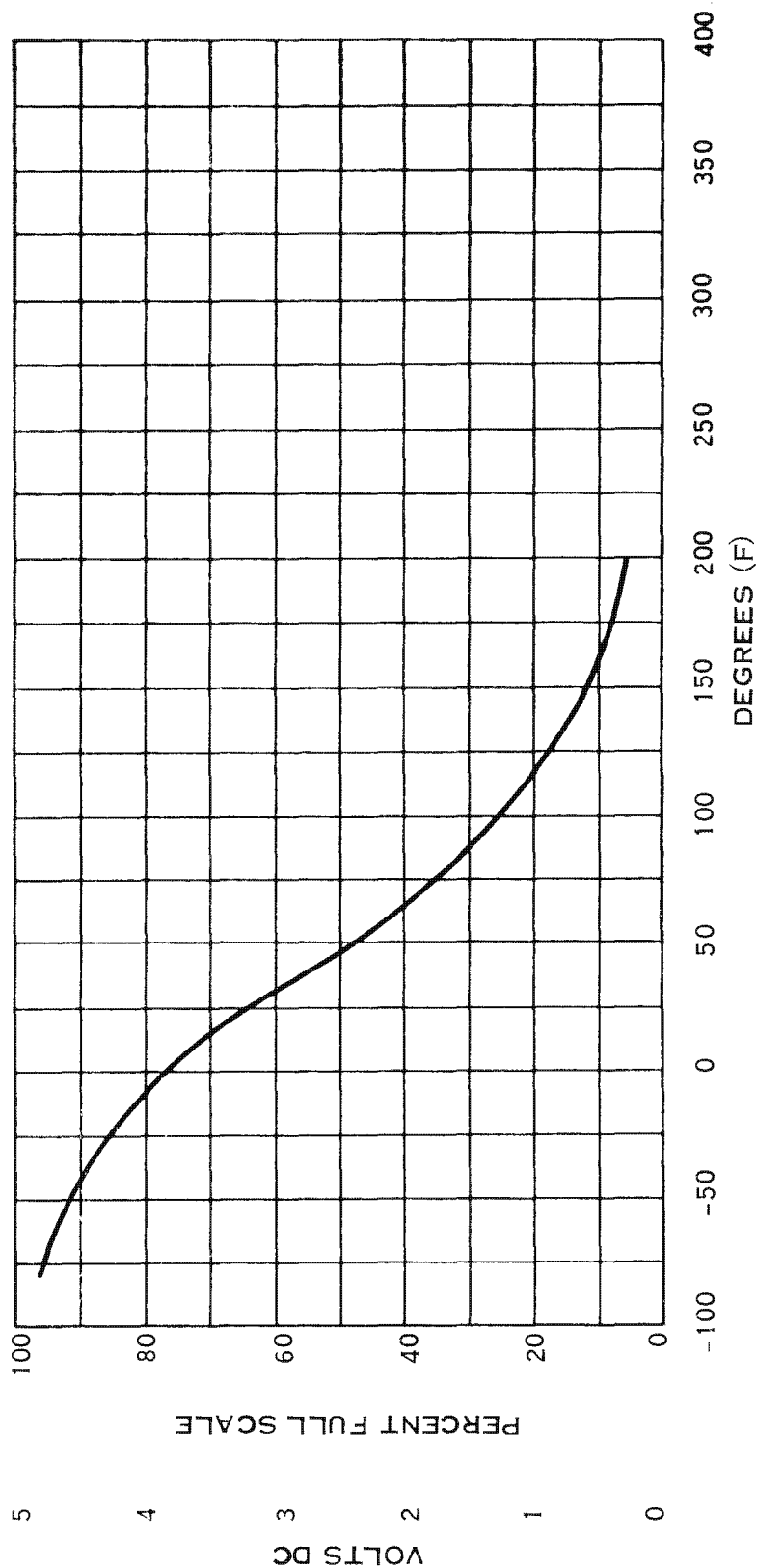
FUNCTION:	TEMPERATURE, STA. 64 AT 180°	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	69
"A" NUMBER:	169	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



FUNCTION:	TEMPERATURE, STA. 64 AT 240 DEGREES	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	70
"A" NUMBER:	113	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



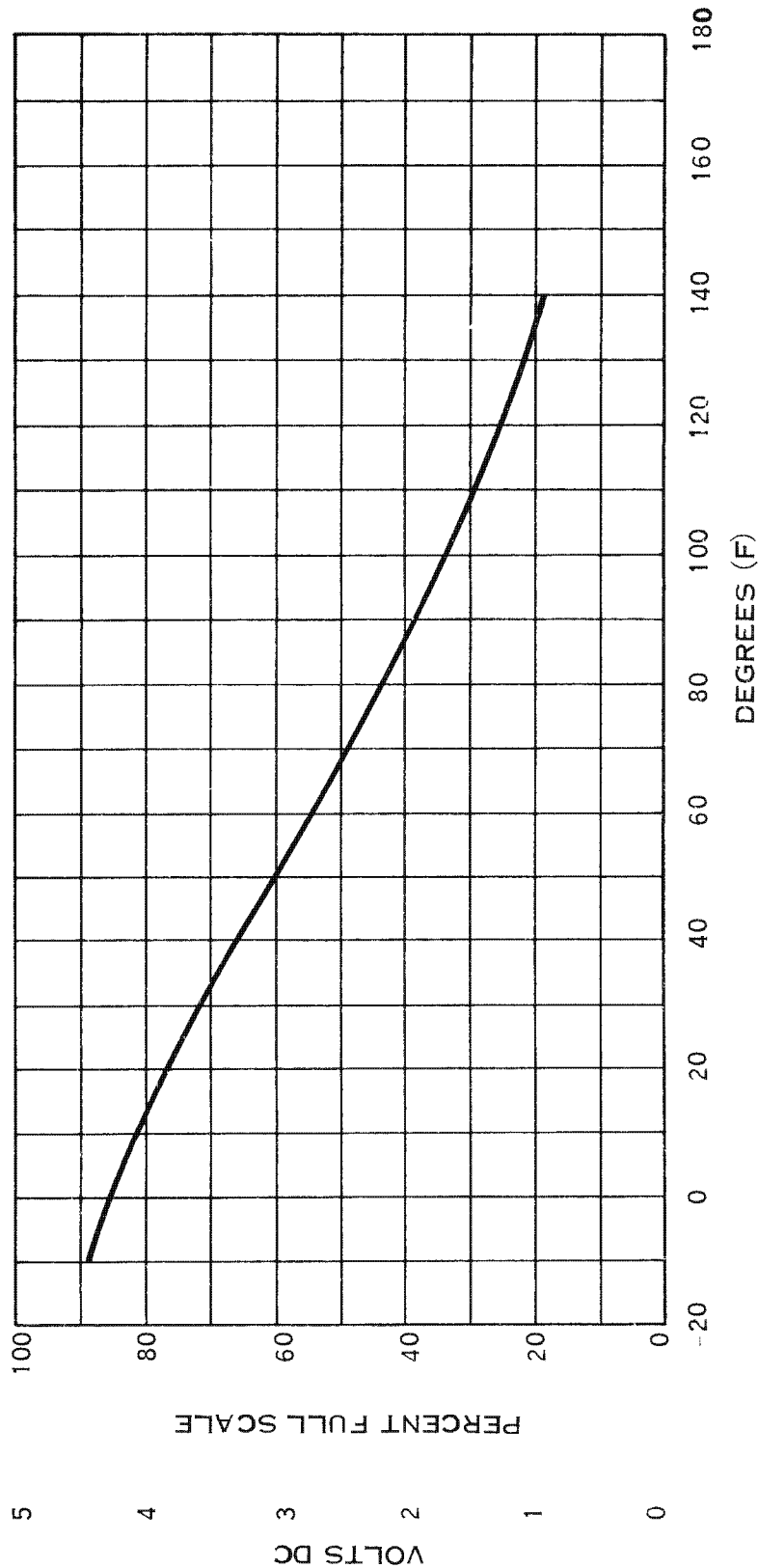
FUNCTION: TEMPERATURE, STA. 68 AT 295 DEGREES VEHICLE: 988
RANGE: -80 TO 200 DEGREES F STA/RAD: 68/295° BAND: 10 (5.4 KC)
DRAWING NO: 115C7168 G1 SV SECTION: 4 PULSE: 71
"A" NUMBER: 114 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



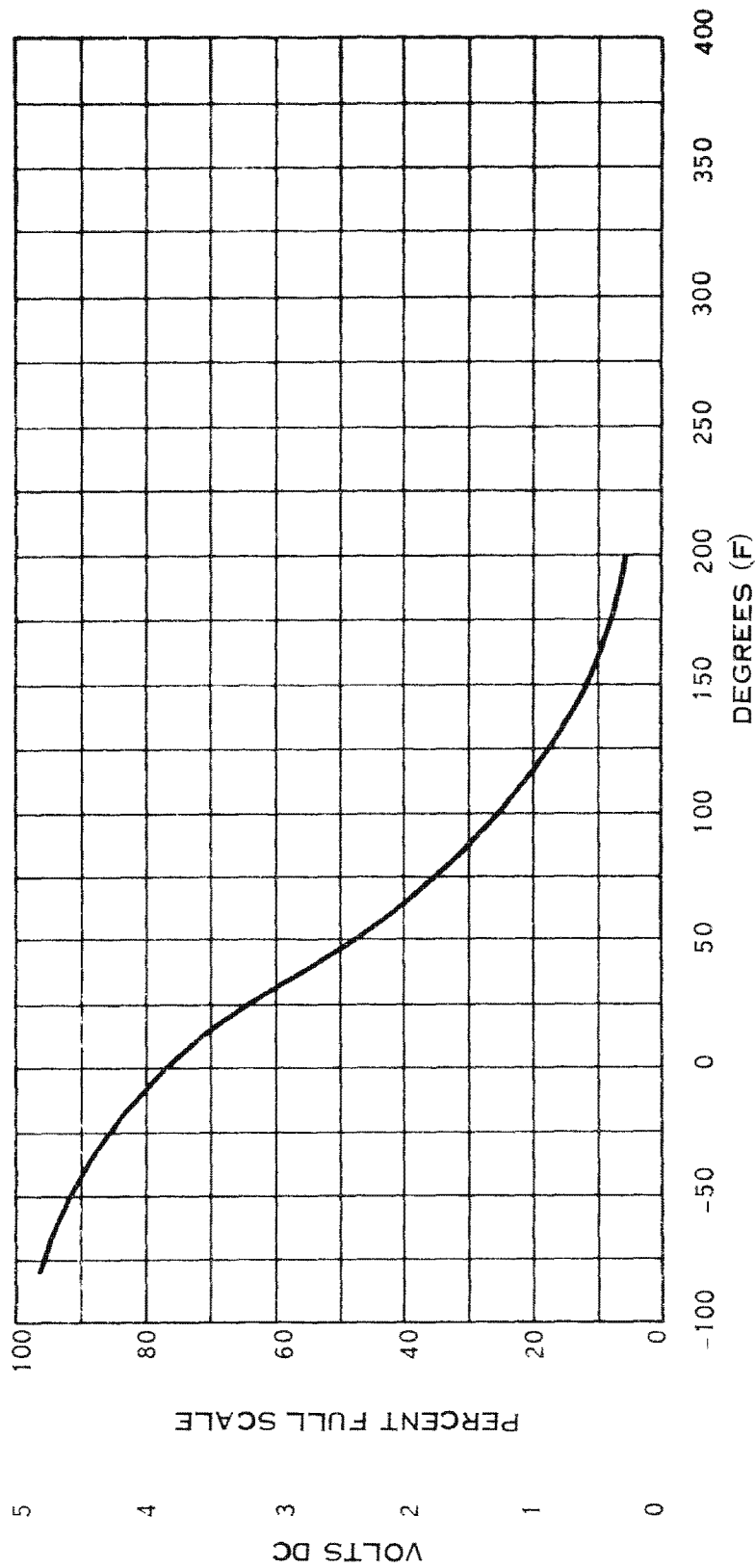
FUNCTION:	TEMPERATURE, AFT EQUIPMENT STRUCTURE	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	72
"A" NUMBER:	168	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE

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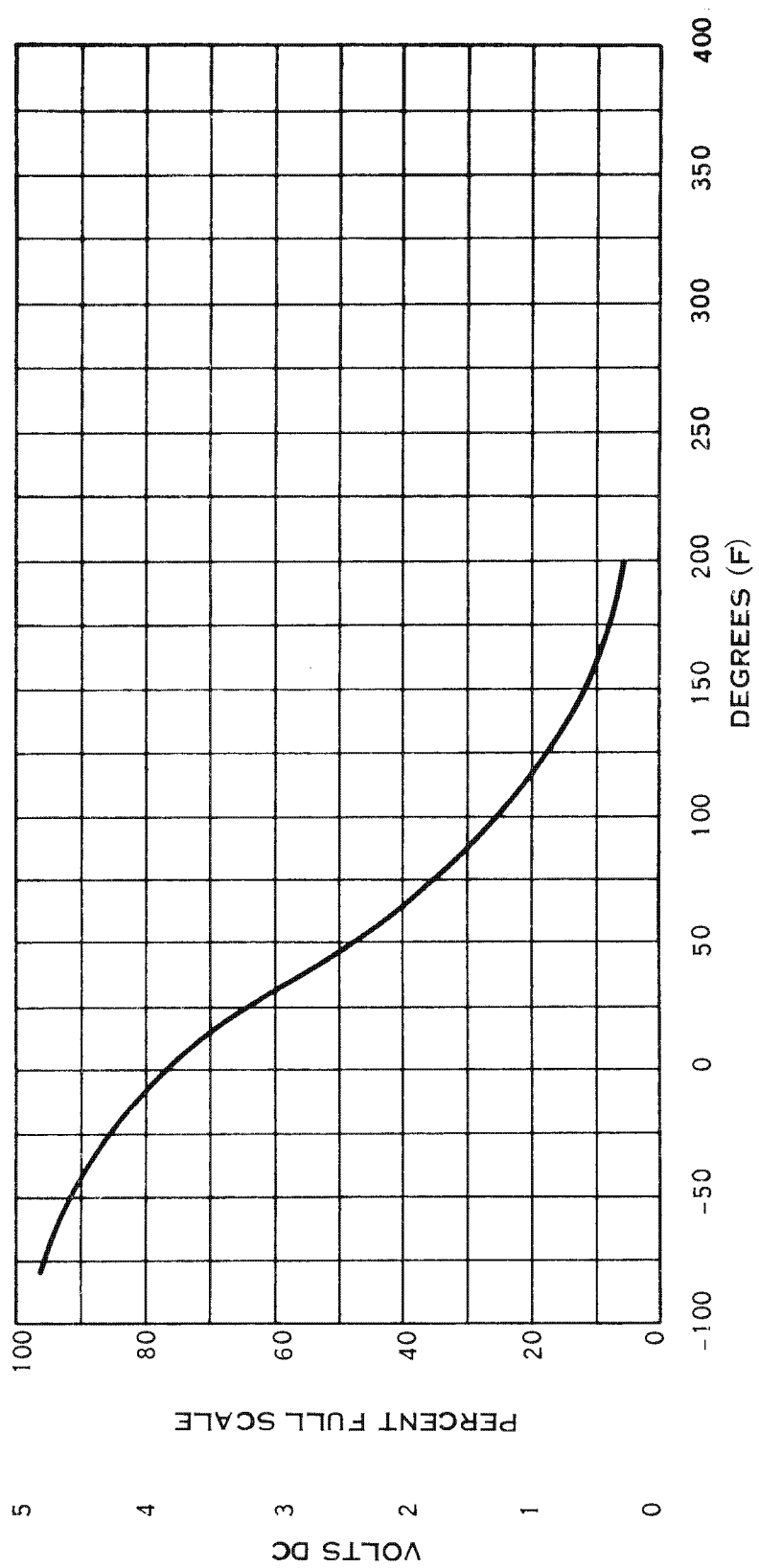
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FUNCTION:	TEMPERATURE ADAPTER STRUCTURE			VEHICLE:	988
RANGE:	0 TO 130 DEGREES F	STA/RAD:	78/360°	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G2	SV SECTION:	4	PULSE:	73
"A" NUMBER:	166	DATA SOURCE:	STANDARD CURVE	EXCITATION:	5 VDC



FUNCTION:	PIGGYBACK NO. 6	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	74
"A" NUMBER:	112	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE

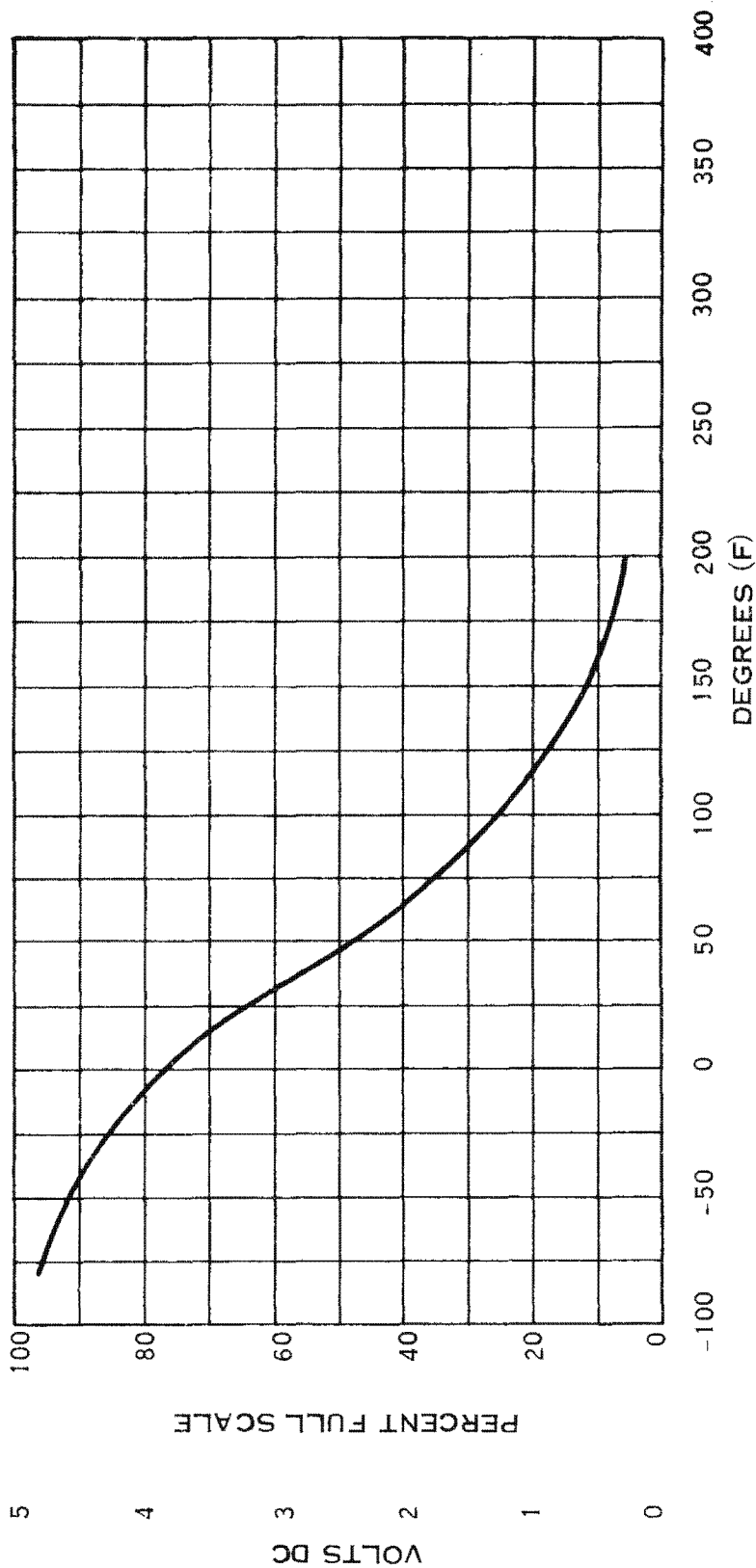


FUNCTION: TEMPERATURE, DELTA 111 TRANS. MOUNTING PLATE VEHICLE: 988

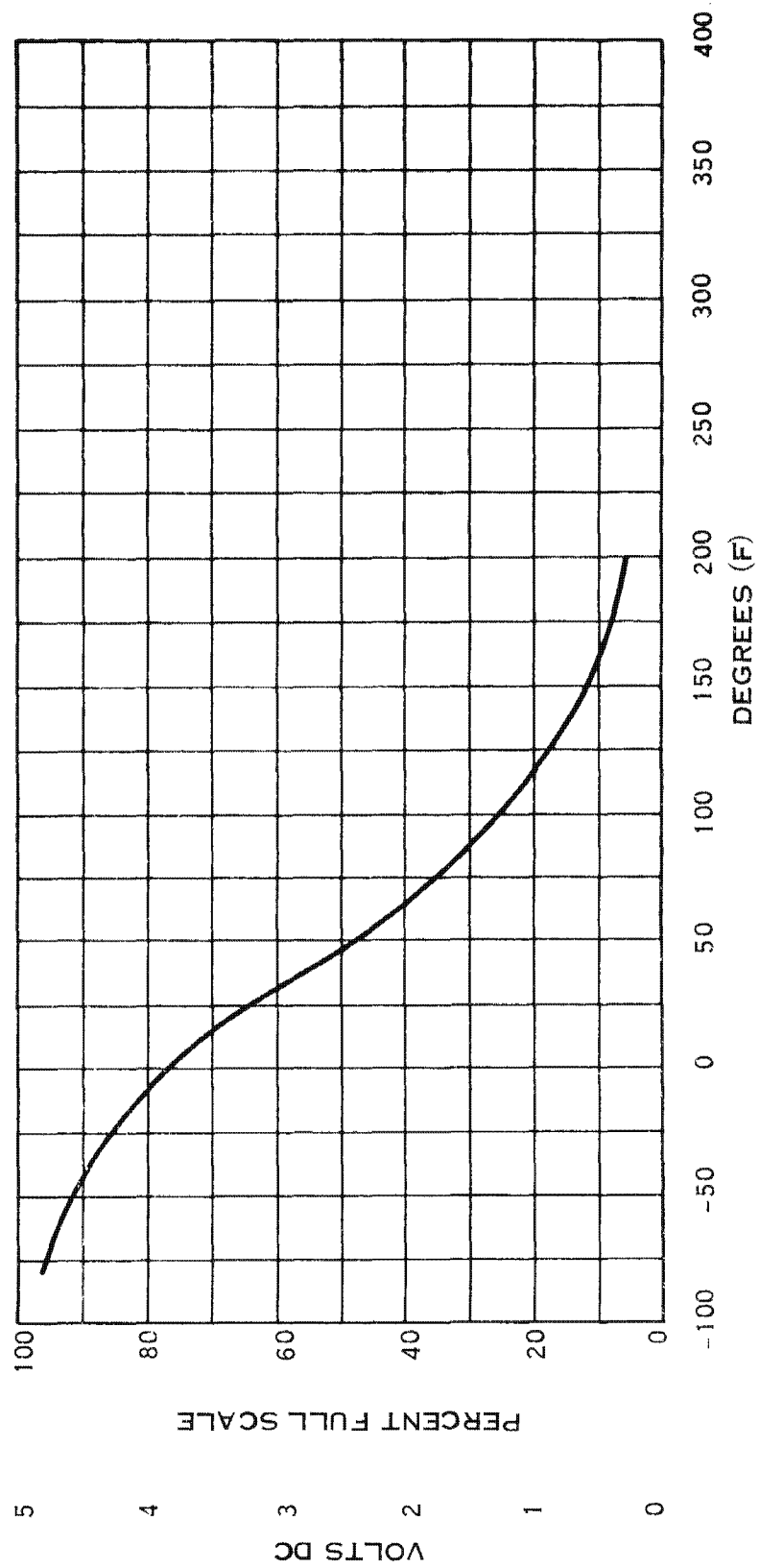
RANGE: -80 TO 200 DEGREES F STA/RAD: 75/155° BAND: 10 (5.4 KC)

DRAWING NO: 115C7168 G1 SV SECTION: 4 PULSE: 75

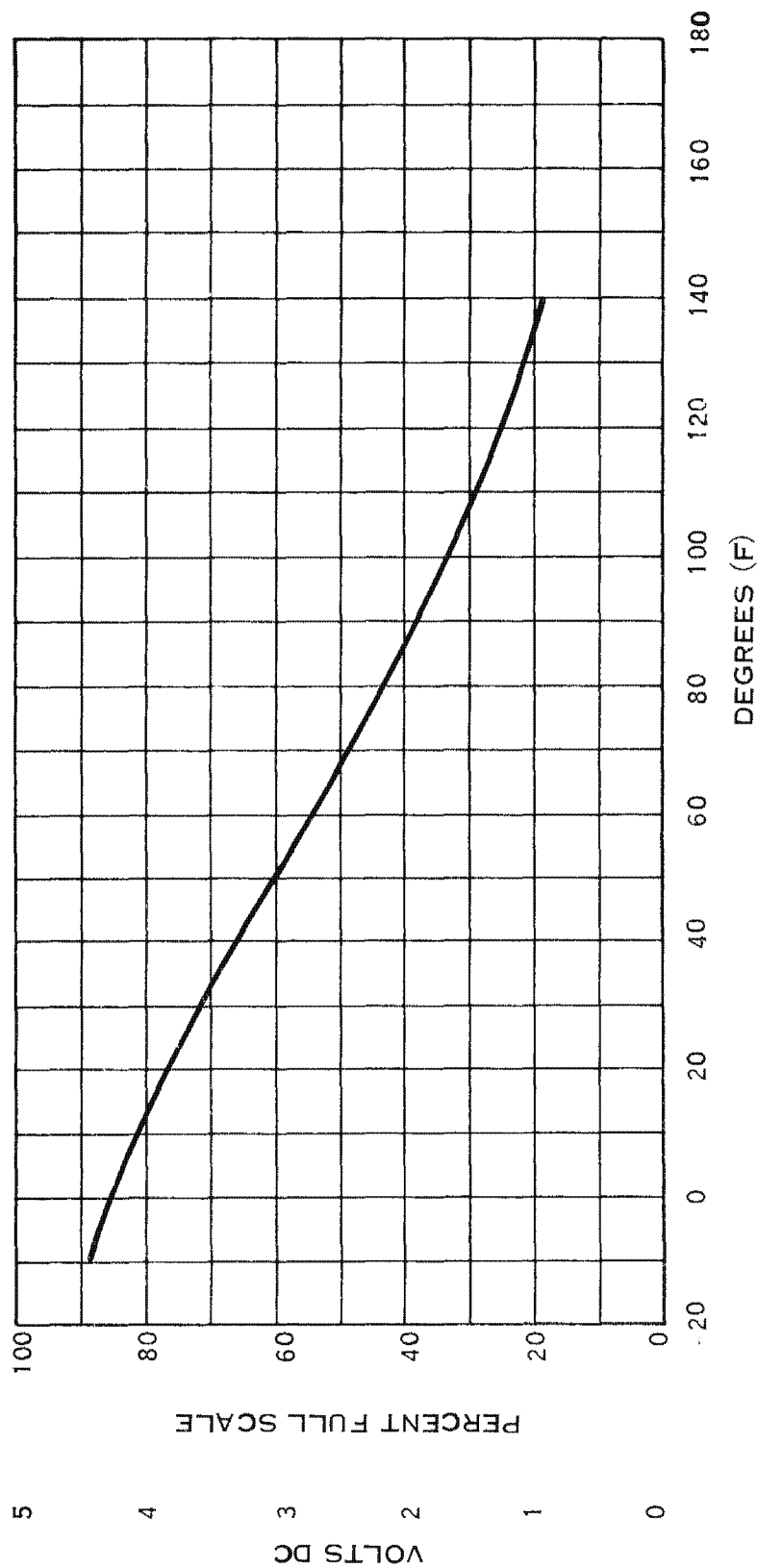
"A" NUMBER: 167 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



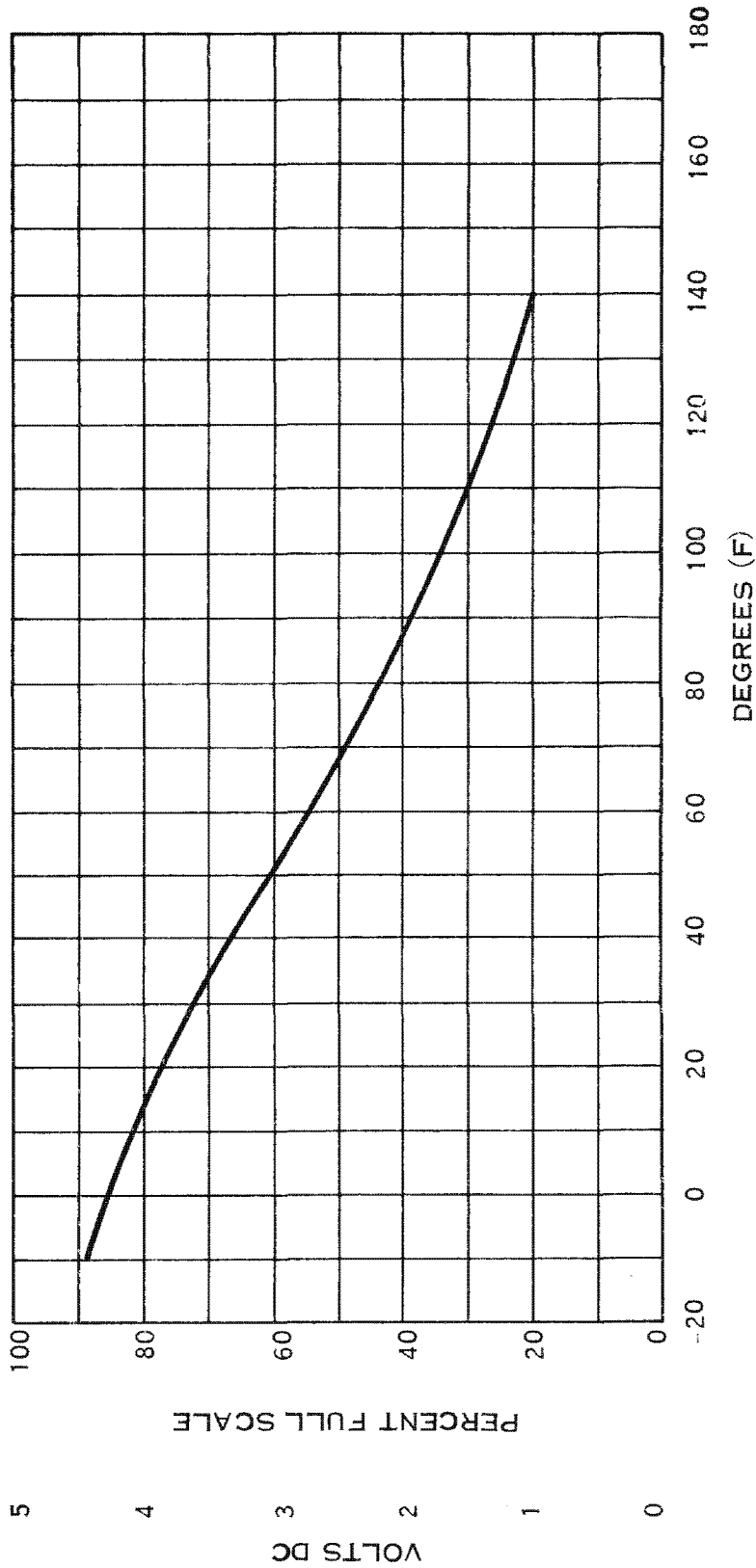
FUNCTION:	TEMPERATURE, SIGNAL DATA RECORDER	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G1	PULSE:	76
"A" NUMBER:	173	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



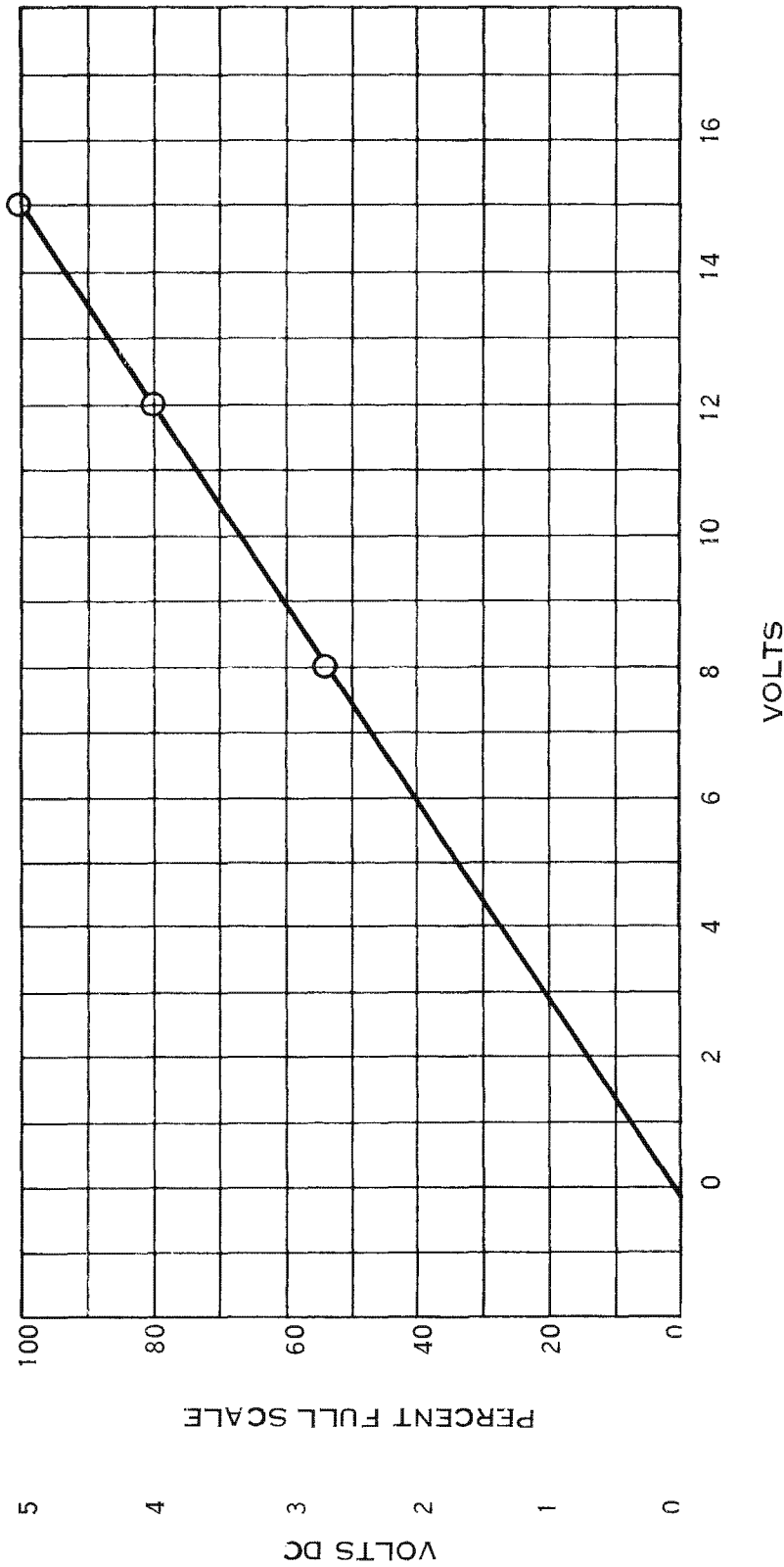
FUNCTION:	TEMPERATURE, THRUST CONE	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	111C4999 P1	PULSE:	77
"A" NUMBER:	1809	EXCITATION:	5 VDC
		DATA SOURCE:	RSD CALIBRATION



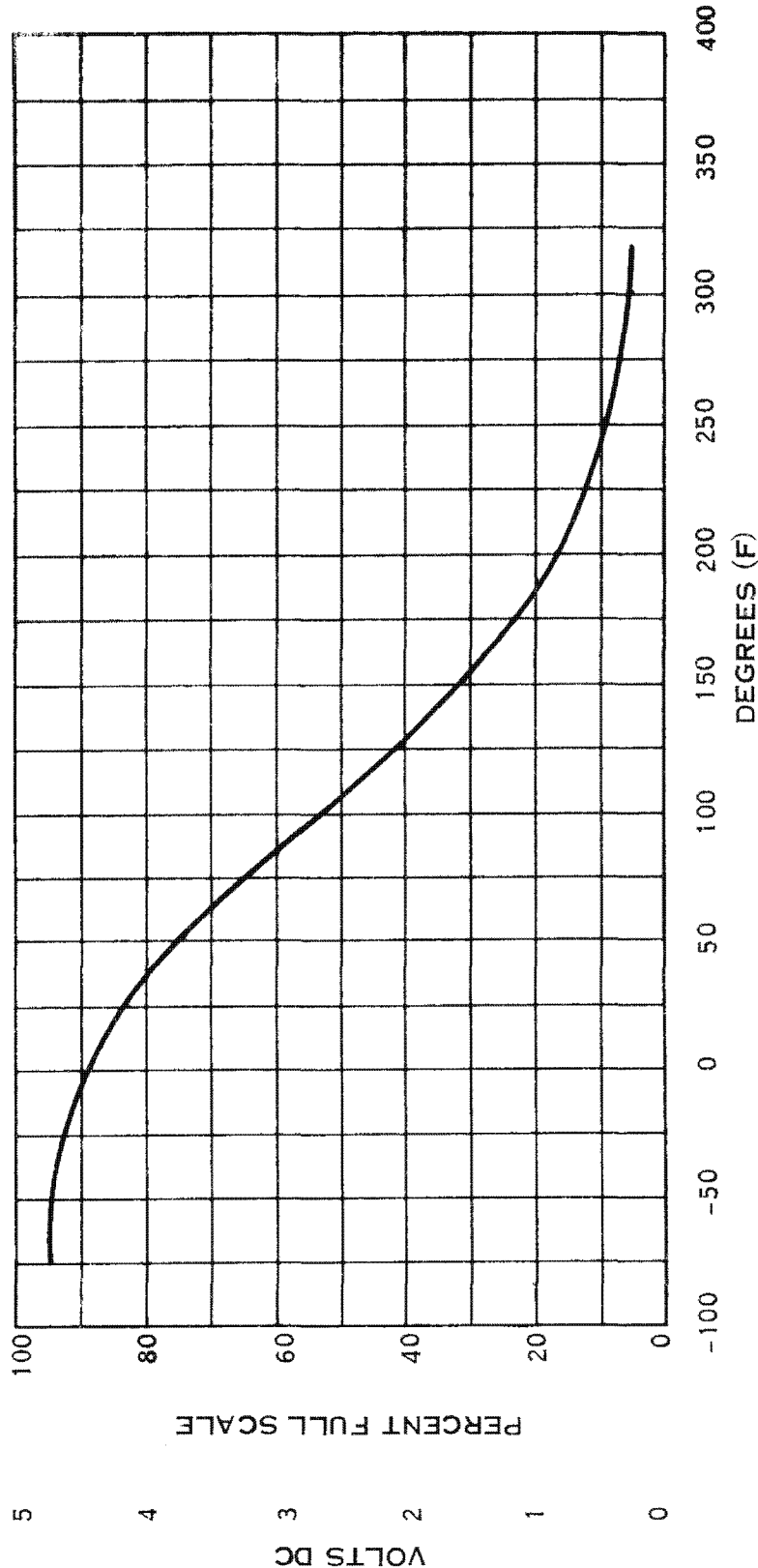
FUNCTION: TEMPERATURE, CAPSULE VEHICLE: 988
RANGE: 0 TO 130 DEGREES F STA/RAD: 19/186° BAND: 10 (5.4 KC)
DRAWING NO: 111C5833 P3 SV SECTION: SRV PULSE: 78
"A" NUMBER: 1816 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



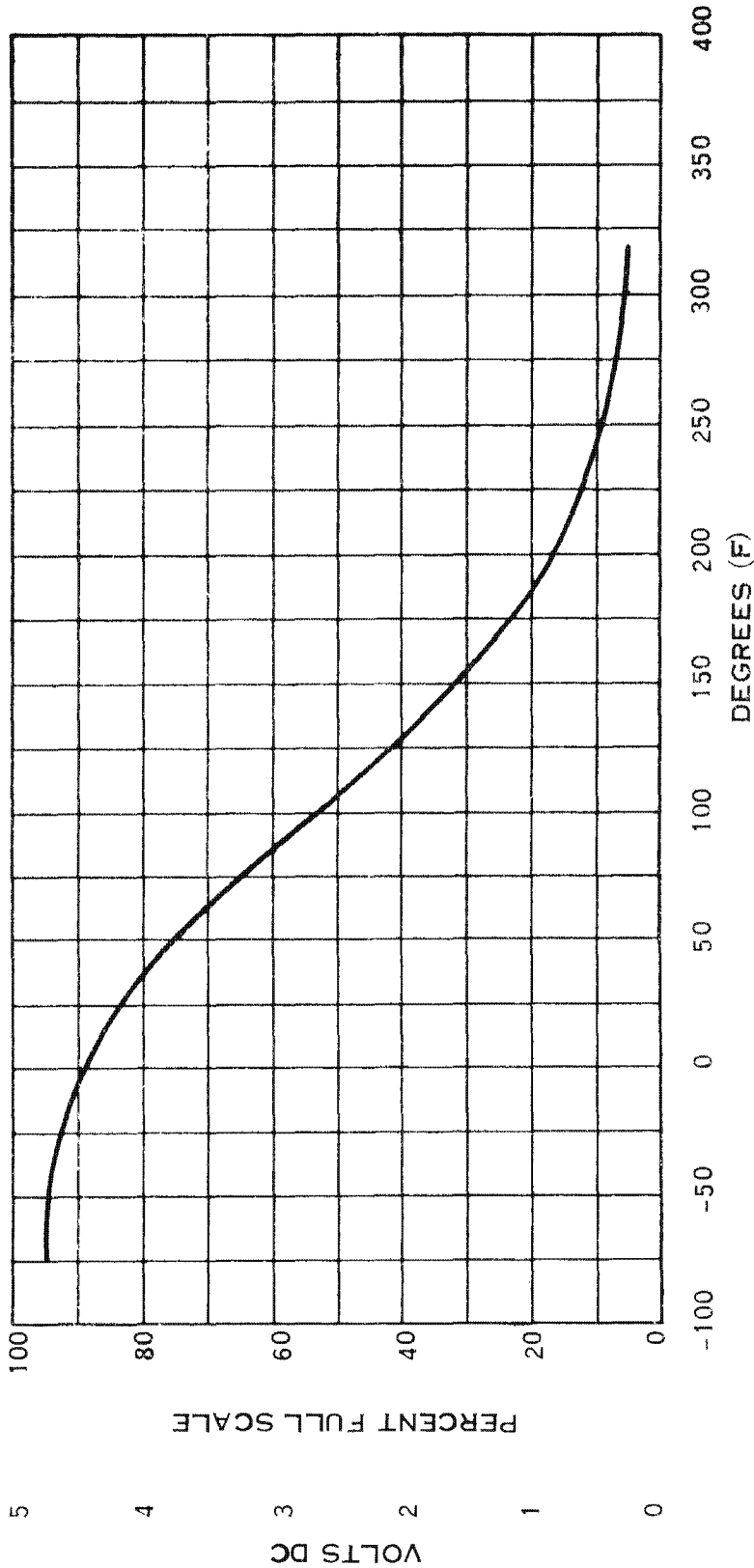
FUNCTION:	TEMPERATURE, RECOVERY BATTERY	VEHICLE:	988
RANGE:	0 TO 130 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	111C5833 P3B	PULSE:	79
"A" NUMBER:	1815	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



FUNCTION:	VOLTAGE RECOVERY BATT. NO. 1	VEHICLE:	988
RANGE:	0 TO 15.5 VOLTS	BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	80
"A" NUMBER:		EXCITATION:	
		SV SECTION:	SRV
		DATA SOURCE:	



FUNCTION:	TEMP. OPER. BATT. NO. 1	VEHICLE:	988
RANGE:	-76 TO +320 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G7	PULSE:	81
"A" NUMBER:	108	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



FUNCTION: TEMP. OPER. BATT. NO. 2

VEHICLE: 988

RANGE: -76 TO +320 DEGREES F

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO: 115C7168 G7

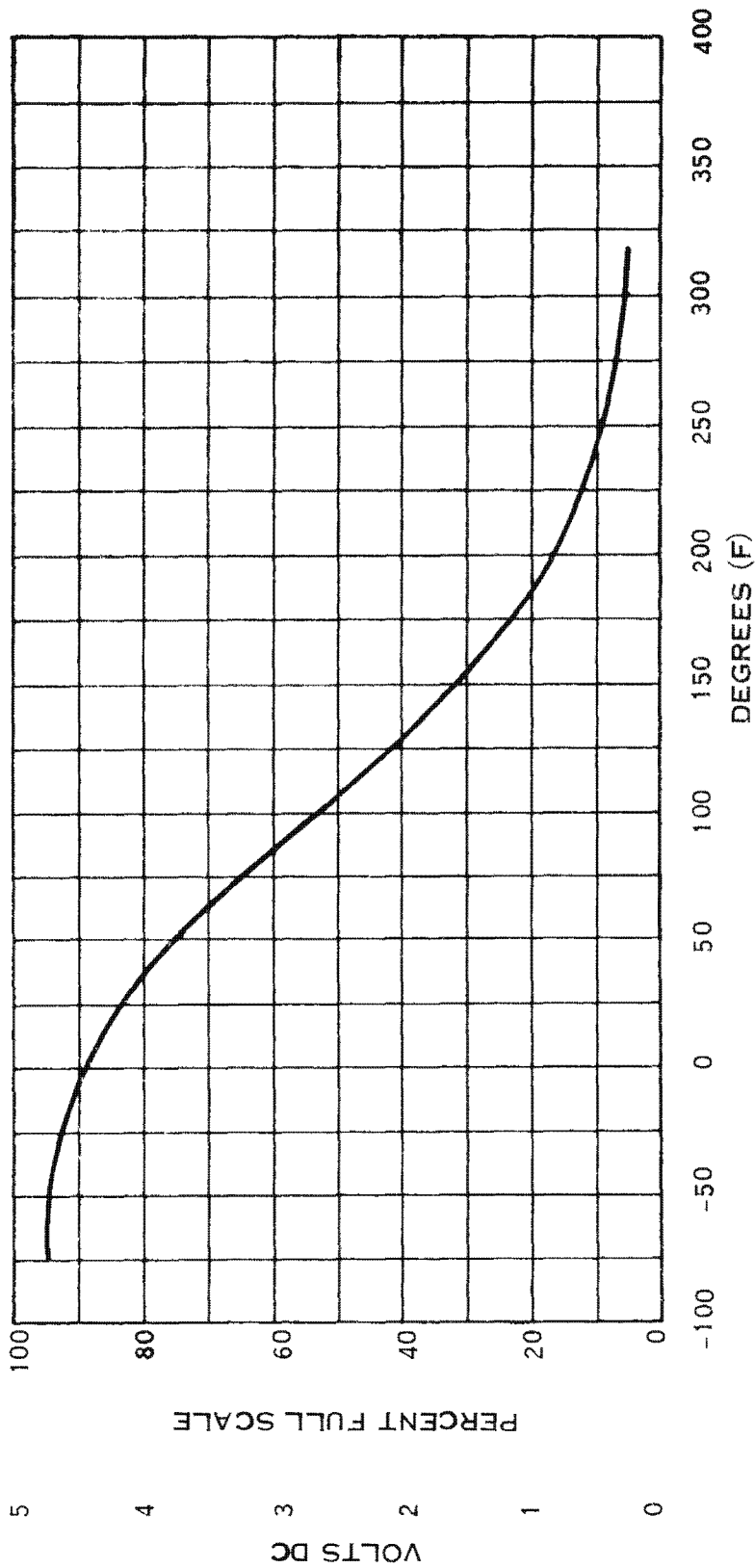
SV SECTION:

PULSE: 82

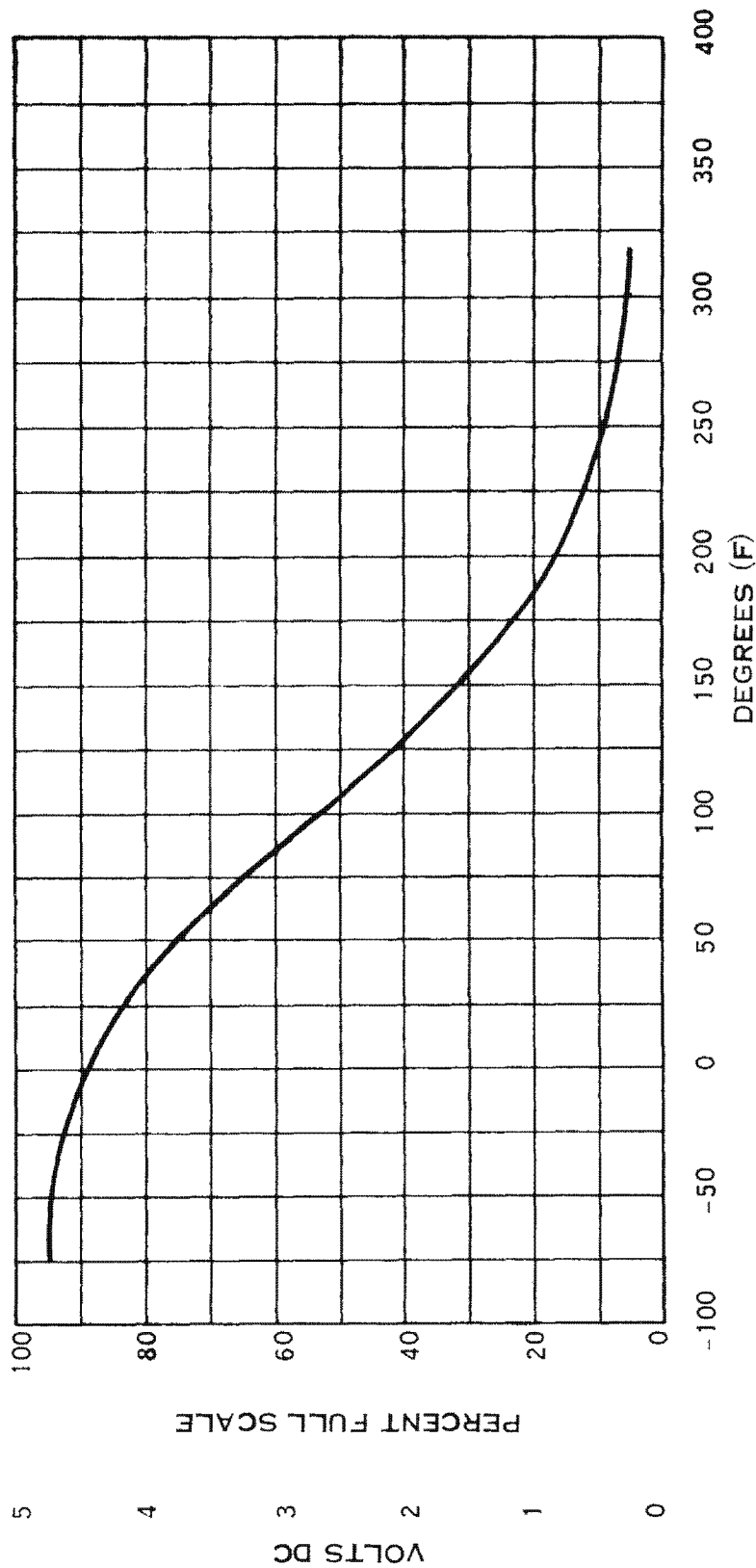
"A" NUMBER: 174

DATA SOURCE: STANDARD CURVE

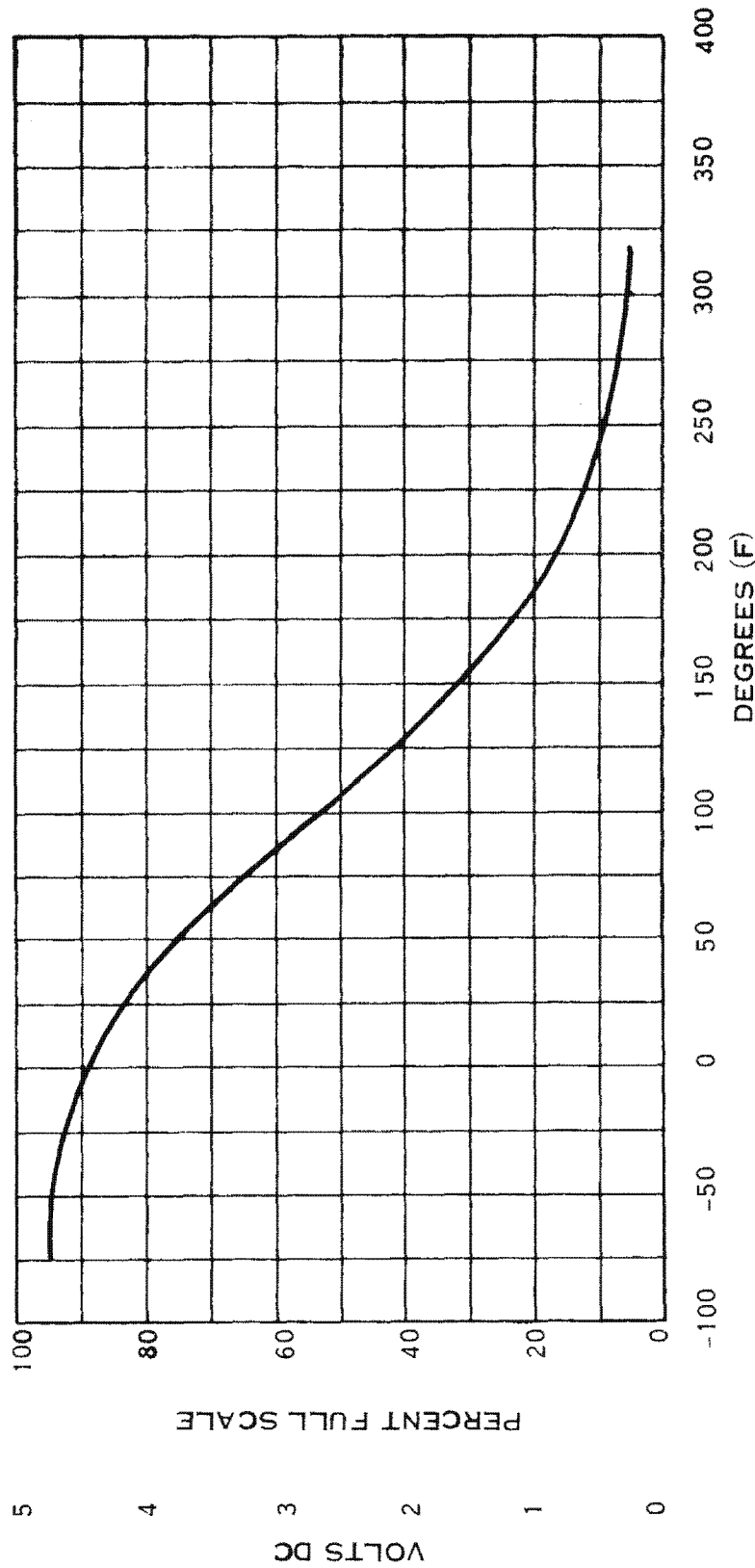
EXCITATION: 5 VDC



FUNCTION:	TEMP. OPER. BATT. NO. 3	VEHICLE:	988
RANGE:	-76 TO +320 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G7	PULSE:	83
"A" NUMBER:	175	EXCITATION:	5 VDC
			STANDARD CURVE



FUNCTION:	TEMP. OPER. BATT. NO. 4	VEHICLE:	988
RANGE:	-76 TO +320 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G7	PULSE:	84
"A" NUMBER:	176	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



FUNCTION: TEMP. OPER. BATT. NO. 5

VEHICLE: 988

RANGE: -76 TO +320 DEGREES F STA/RAD:

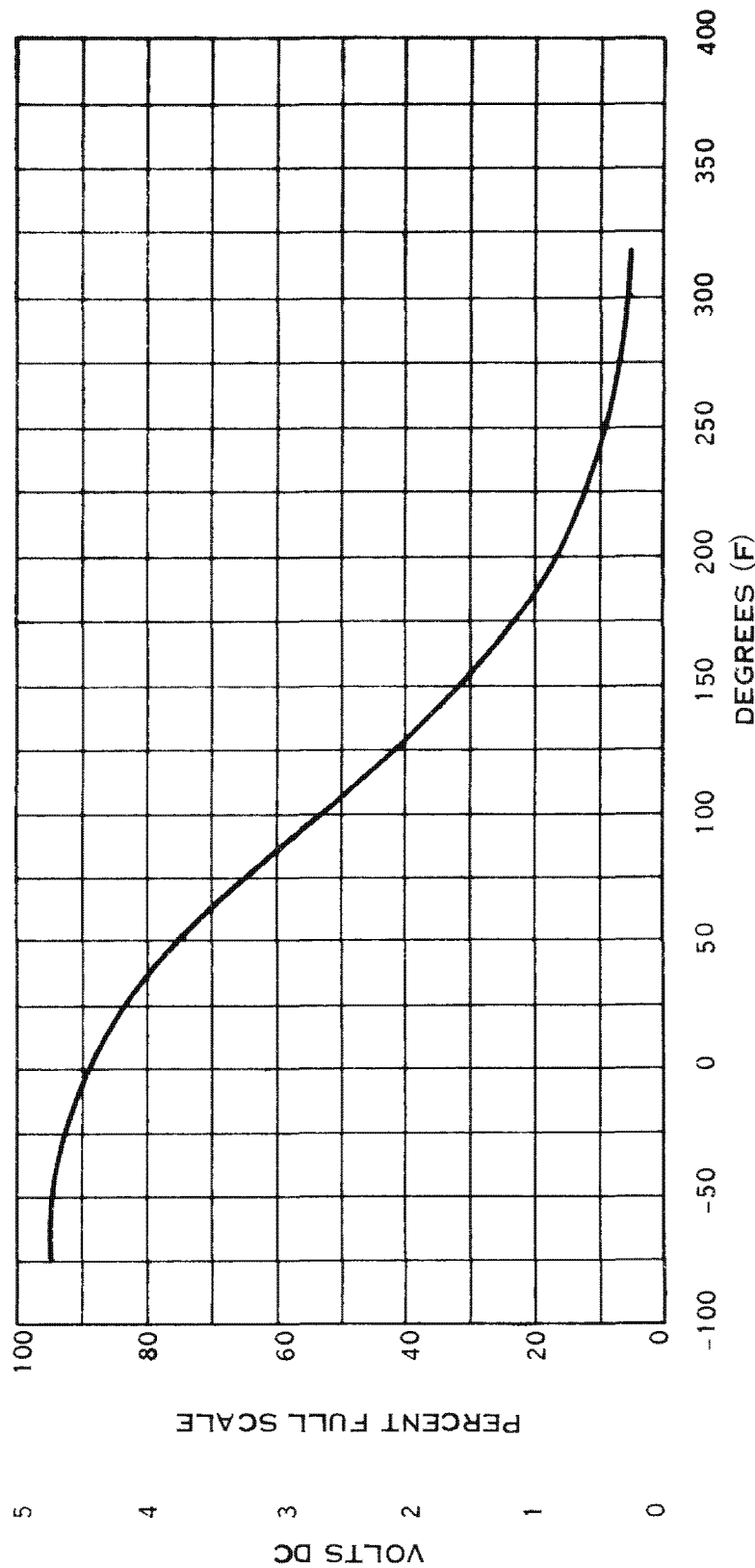
BAND: 10 (5.4 KC)

DRAWING NO: 115C7168 G7

PULSE: 85

"A" NUMBER: 177

DATA SOURCE: STANDARD CURVE
EXCITATION: 5 VDC



FUNCTION: TEMP. OPER. BATT. NO. 6

VEHICLE: 988

RANGE: -76 TO +320 DEGREES F STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO: 115C7168 G7

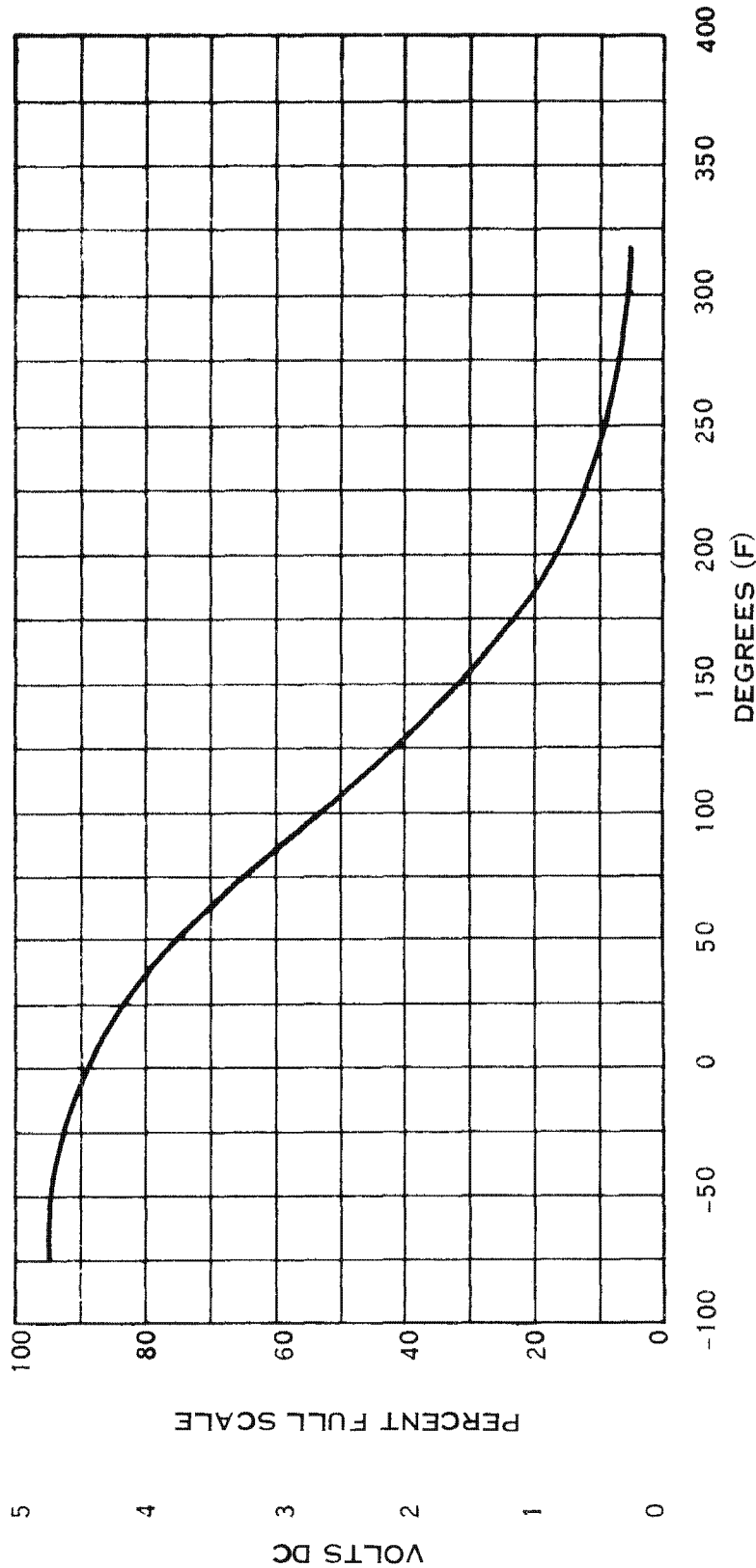
SV SECTION: 6

PULSE: 86

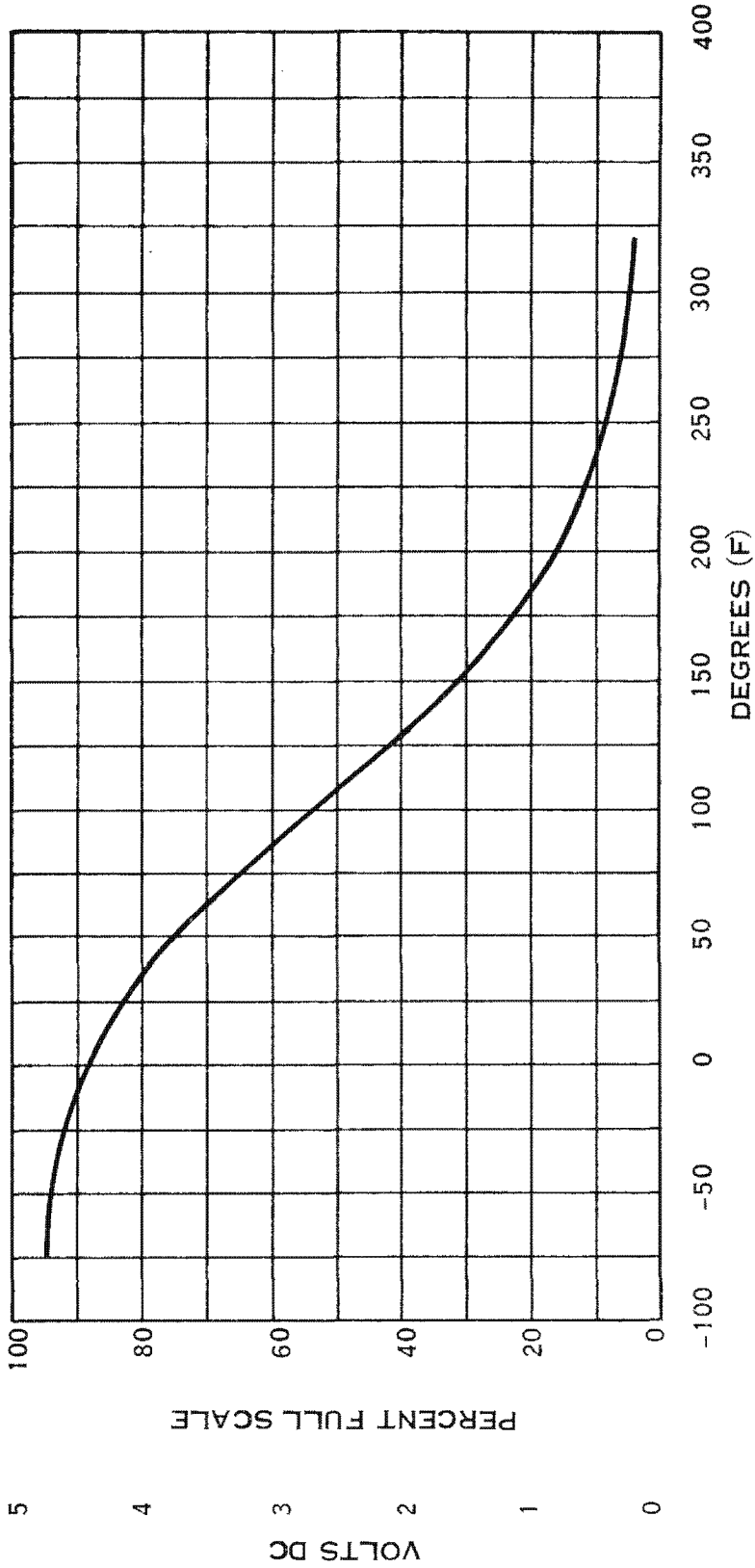
"A" NUMBER: 206

DATA SOURCE: STANDARD CURVE

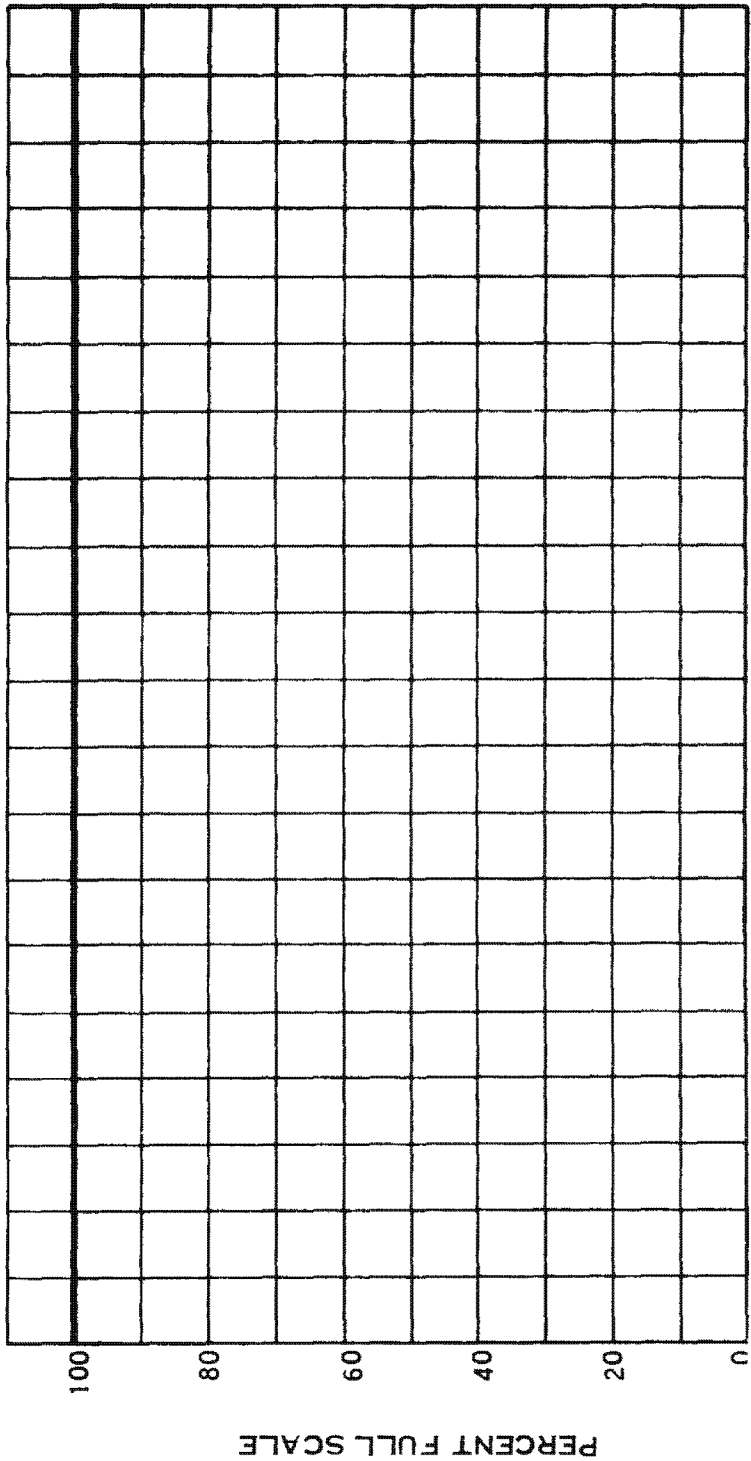
EXCITATION: 5 VDC



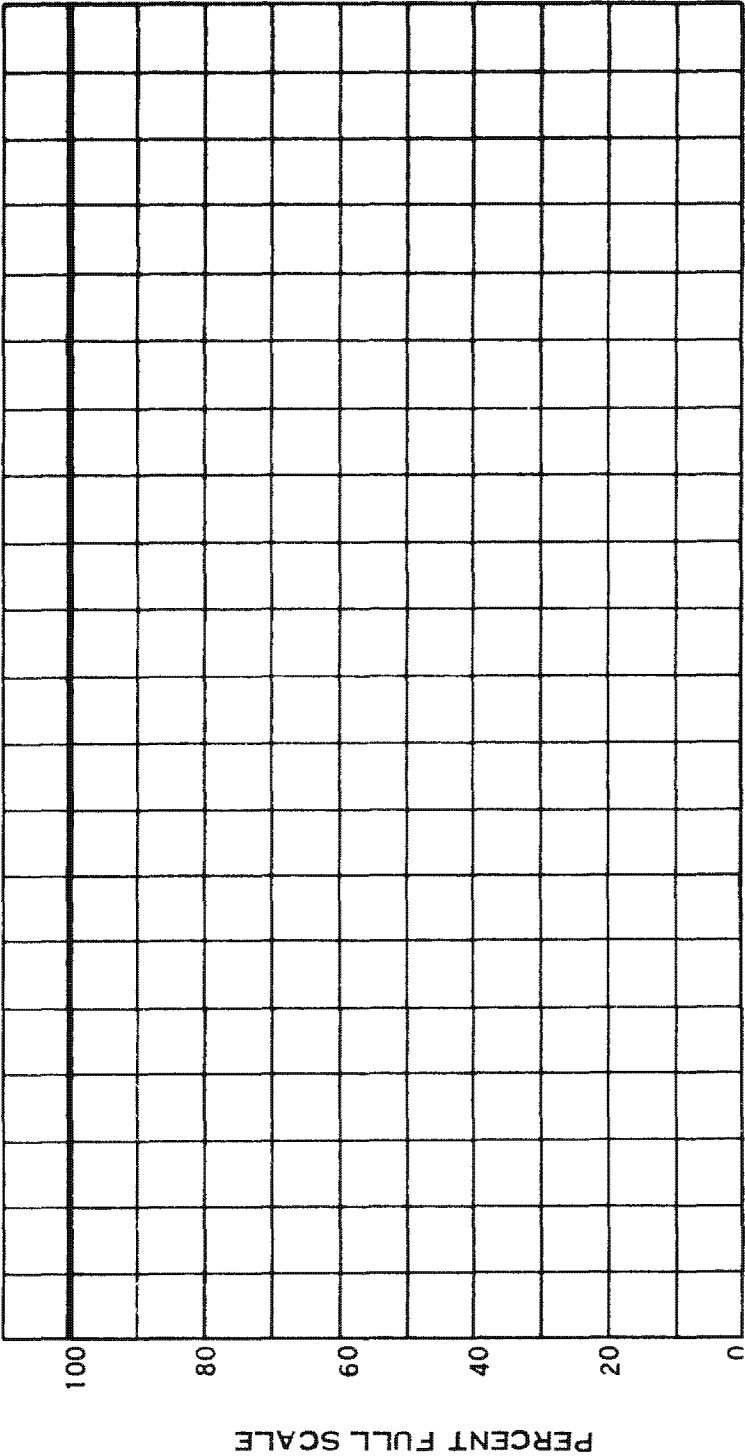
FUNCTION:	TEMP. OPER. BATT. NO. 7	VEHICLE:	988
RANGE:	-76 TO +320 DEGREES F	BAND:	10 (5.4 KC)
DRAWING NO:	115C71 68 G7	PULSE:	87
"A" NUMBER:	2270	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



FUNCTION:	TEMP. OPER. BATT. NO. 8	VEHICLE:	988
RANGE:	76 TO +320 DEGREES F STA/RAD:	BAND:	10 (5.4 KC)
DRAWING NO:	115C7168 G7	PULSE:	88
"A" NUMBER:	2271	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



FUNCTION:	FRAME SYNC	VEHICLE:	988
RANGE:		BAND:	10 (5.4 KC)
DRAWING NO:		PULSE:	89
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION: FRAME SYNC

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

SV SECTION:

PULSE: 90

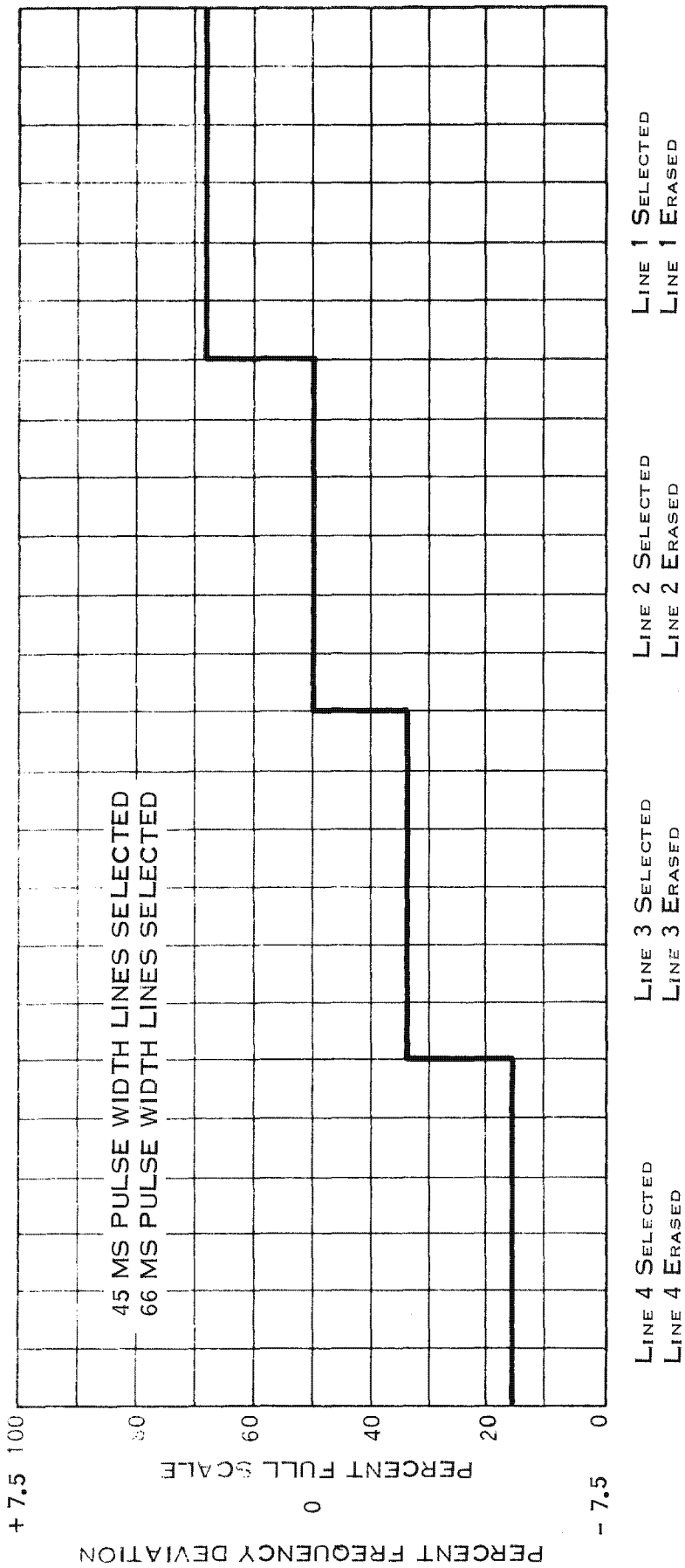
"A" NUMBER:

DATA SOURCE:

EXCITATION:

BAND 11

7.35 KC

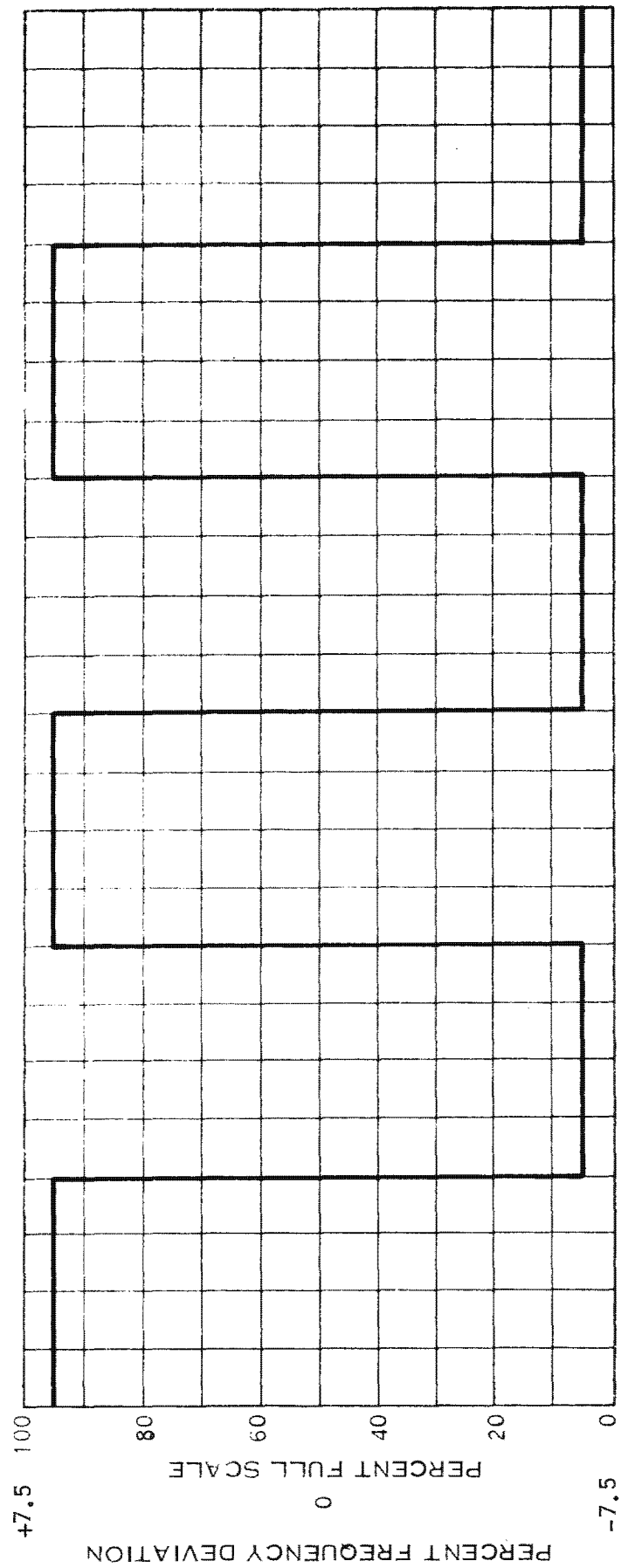


FUNCTION: DELAY LINE ERASE/PROGRAM WORD LINE MONITOR VEHICLE: 988

RANGE: STA/RAD: 173/360° BAND: 11 (7.35 KC)

DRAWING NO: 103C4975 P3 SV SECTION: 6 PULSE: CONTINUOUS

"A" NUMBER: 359 DATA SOURCE: SYSTEMS DATA EXCITATION: 6 VDC REG.



FUNCTION: L.H. PRE-AMP

RANGE: 11 (7.35 KC)

DRAWING NO: 895D742 P2

"A" NUMBER: 1016

STA/RAD: 216/205°

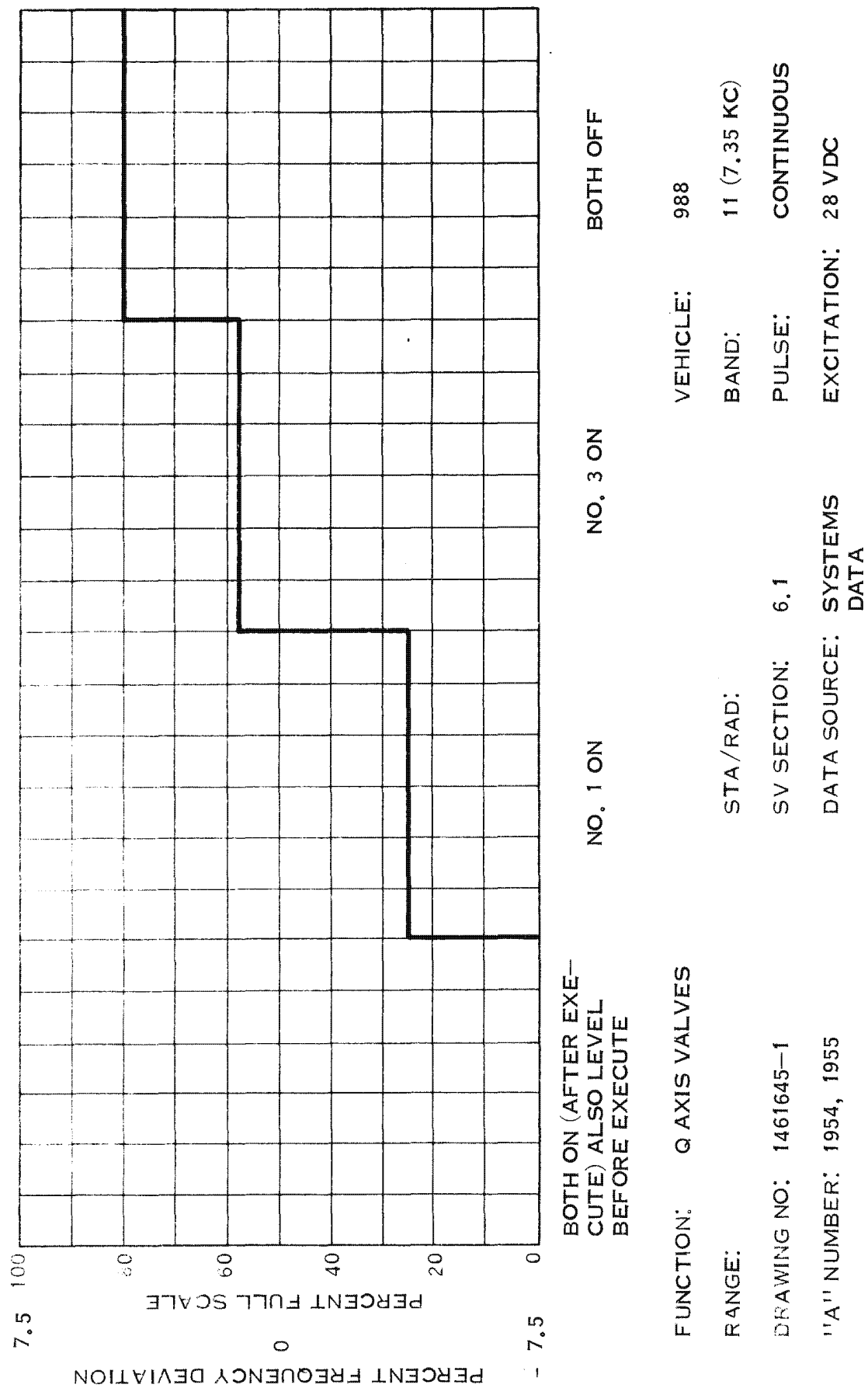
SV SECTION: 6.1

DATA SOURCE: COMPONENT DATA

VEHICLE: 988

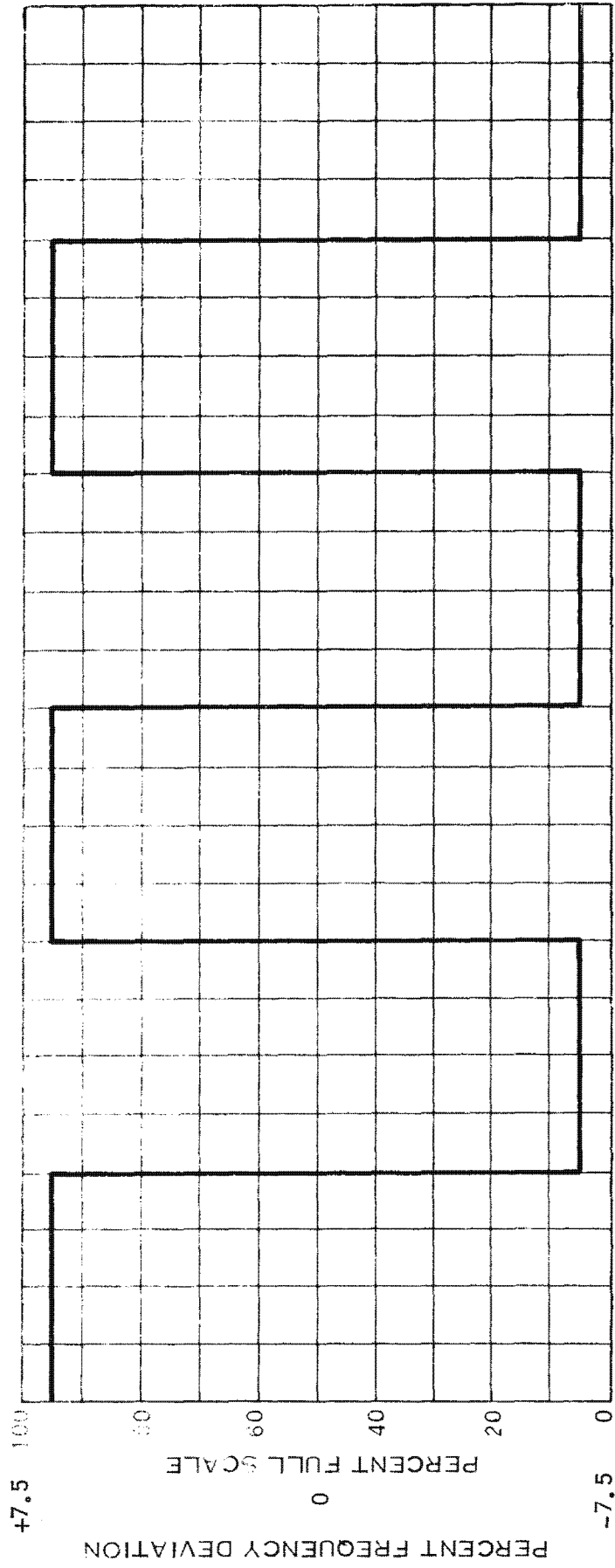
PULSE: CONTINUOUS

EXCITATION: 26 VDC REG.

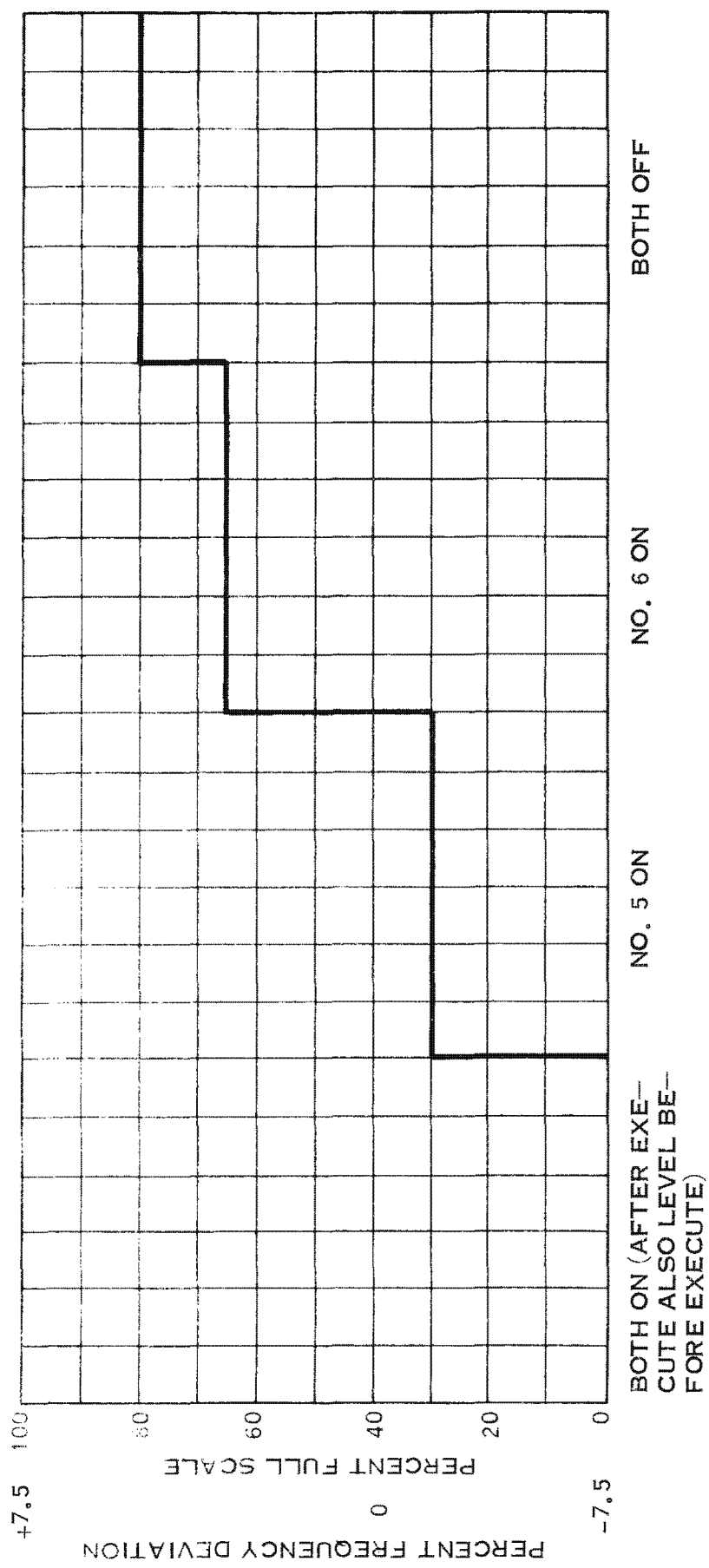


BAND 12
10.5 KC

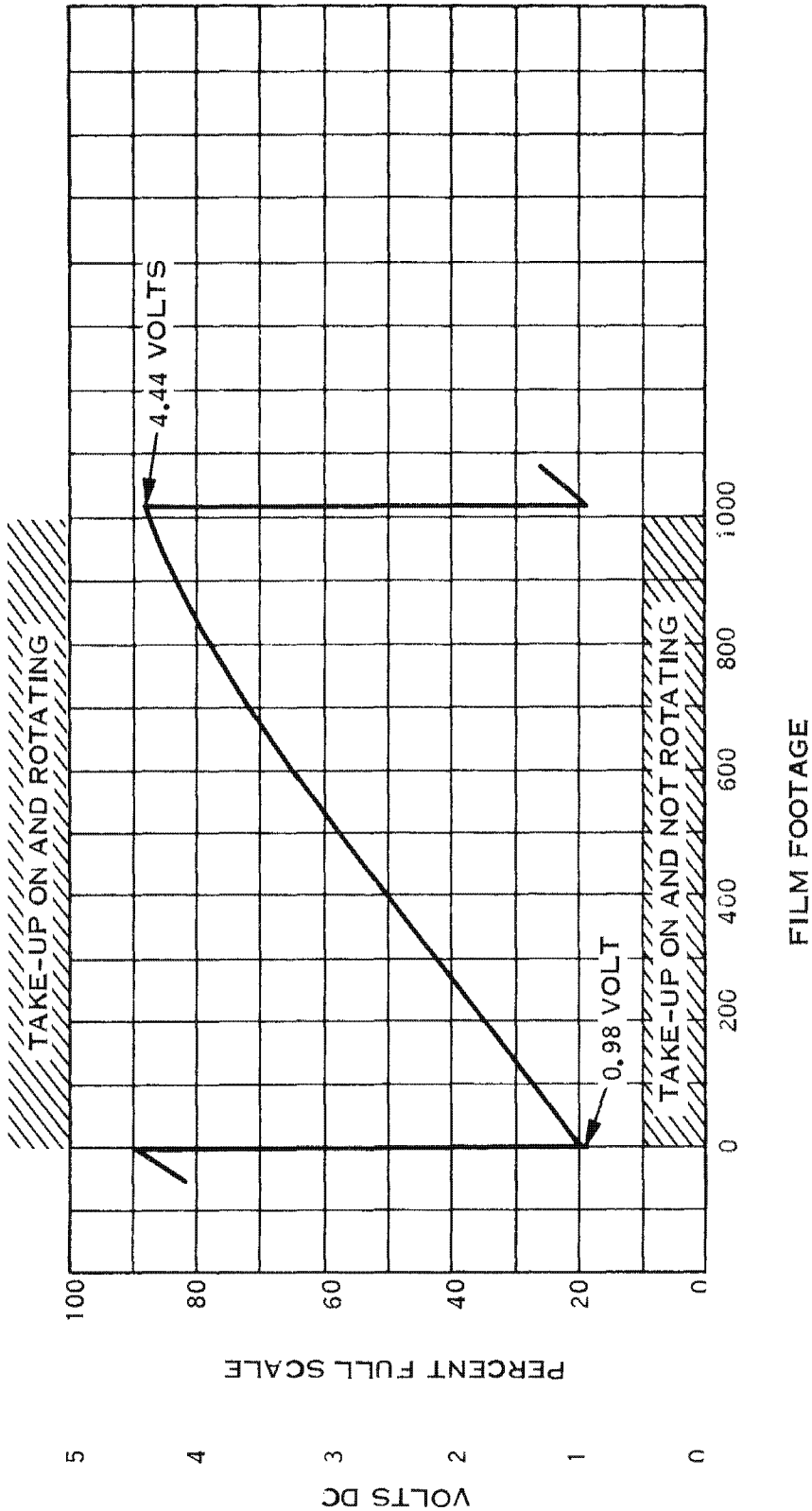
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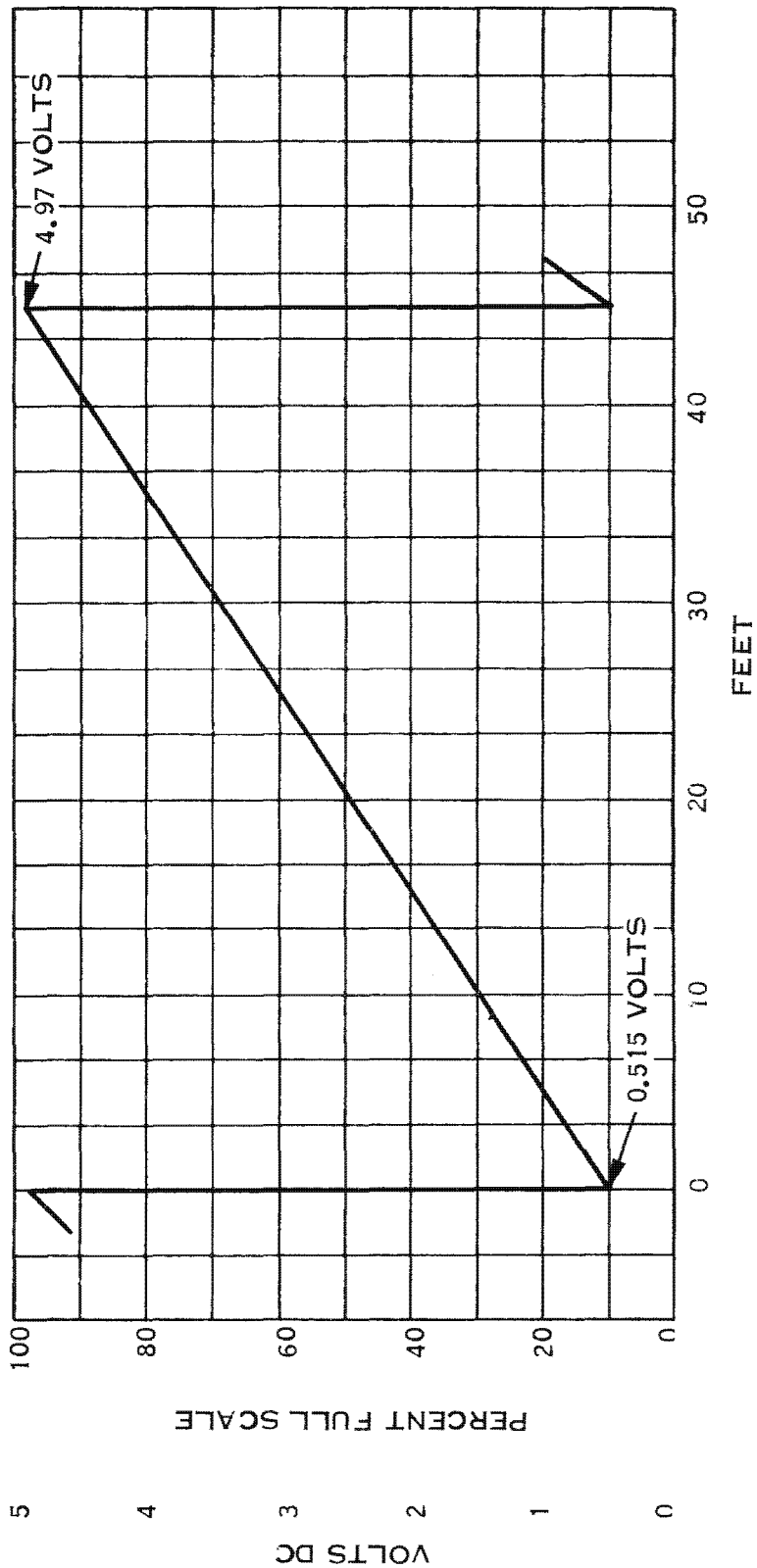
FUNCTION:	R.H. PRE-AMP	INHIBIT LEVELS	HIGH	8.5 V _{PP} = 129 %	VEHICLE:	988
RANGE:			LOW	0.45 V _{PP} = 7 %	BAND:	12 (10.5 KC)
DRAWING NO:	895D742 P2				PULSE:	CONTINUOUS
"A" NUMBER:	1016				EXCITATION:	26 VDC REG.
					DATA SOURCE:	COMPONENT DATA



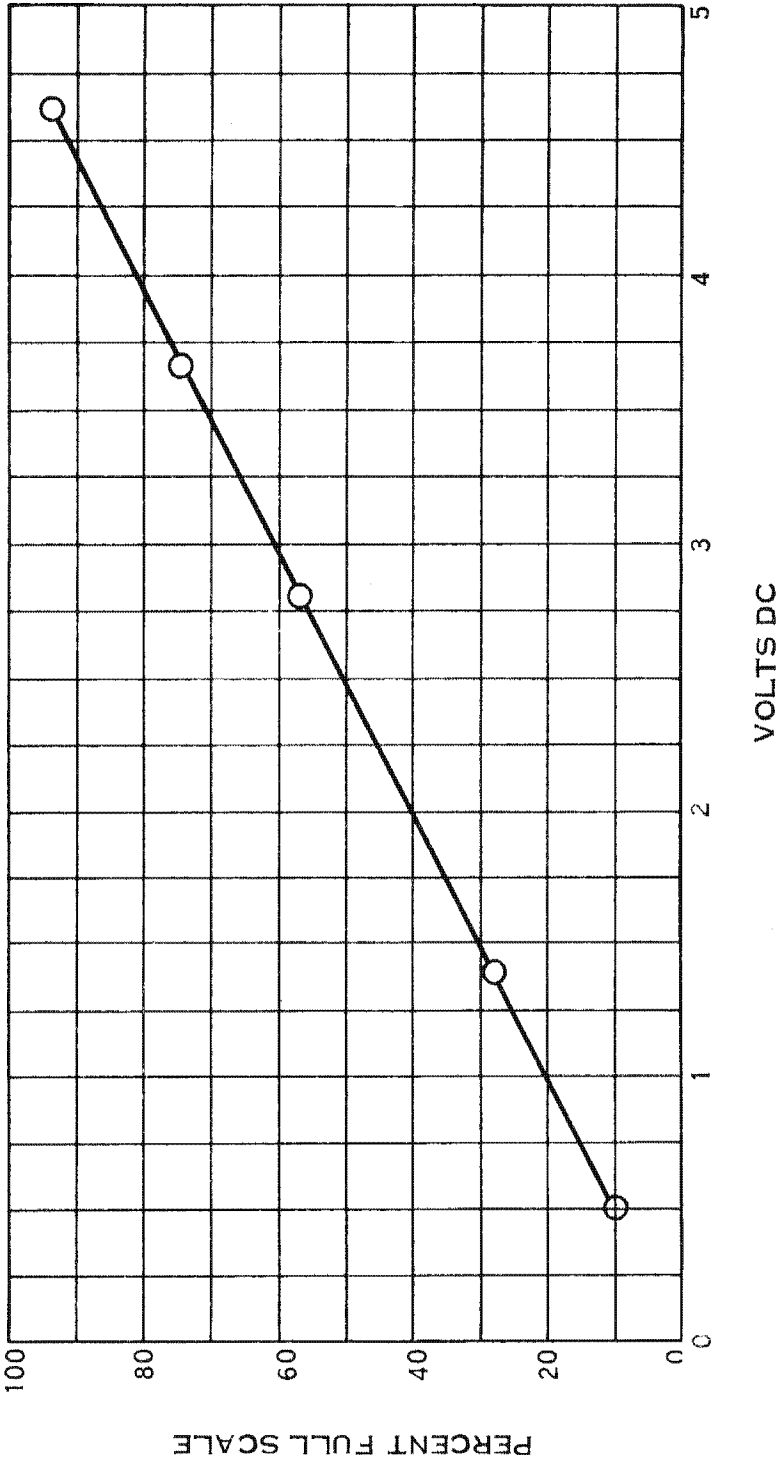
FUNCTION:	R AXIS VALVES	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:	1461645-1	PULSE:	CONTINUOUS
"A" NUMBER:	1958, 1959	EXCITATION:	28 VDC
		STA/RAD:	146/315°
		SV SECTION:	6
		DATA SOURCE:	SYSTEMS DATA



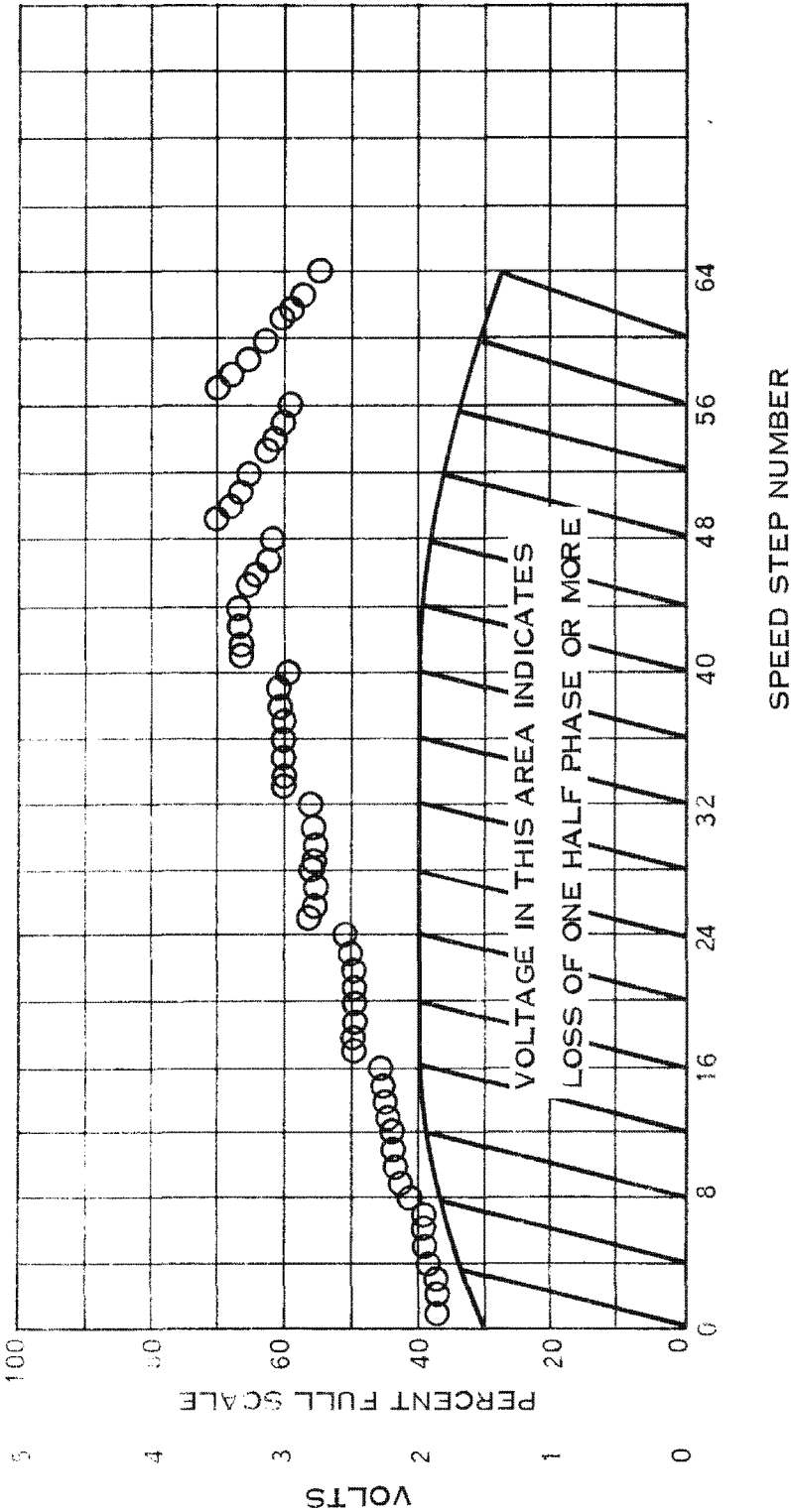
FUNCTION:	GFE 2-15	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	1
"A" NUMBER:		EXCITATION:	



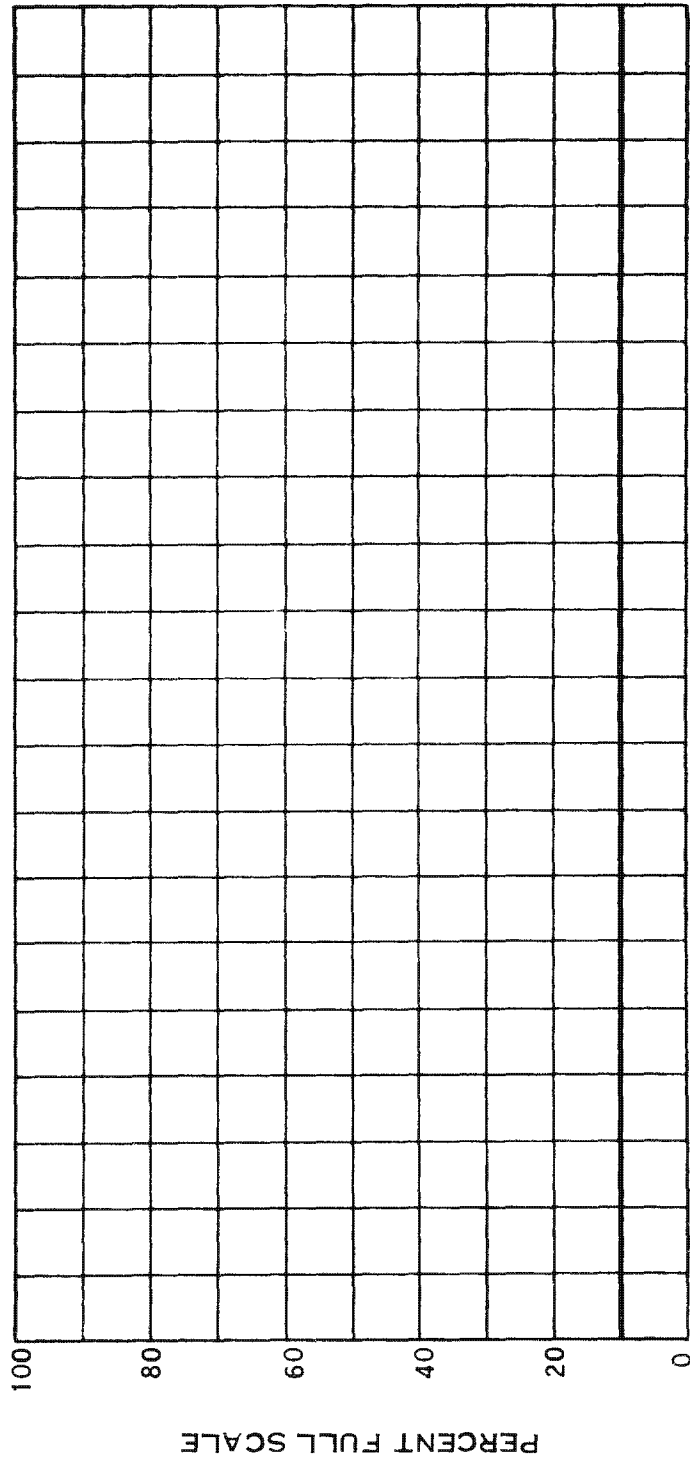
FUNCTION:	GFE 1-16	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	2
"A" NUMBER:		EXCITATION:	



FUNCTION:	GFE 1-29	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	3
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION:	GFE 1-18	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	4
"A" NUMBER:		EXCITATION:	



FUNCTION: CALIBRATION — 10 PERCENT

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 12 (10.5 KC)

DRAWING NO:

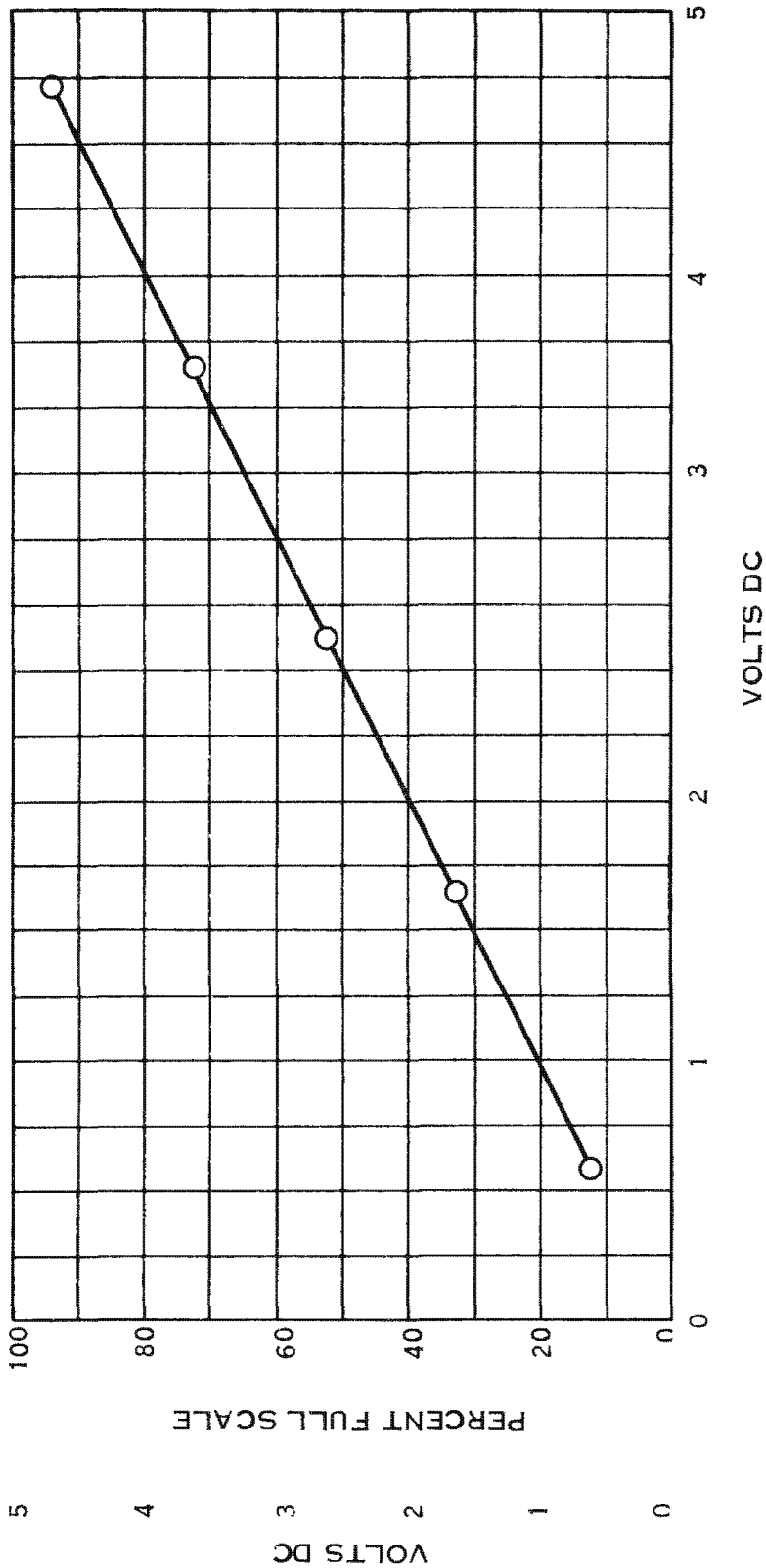
SV SECTION:

PULSE: 5

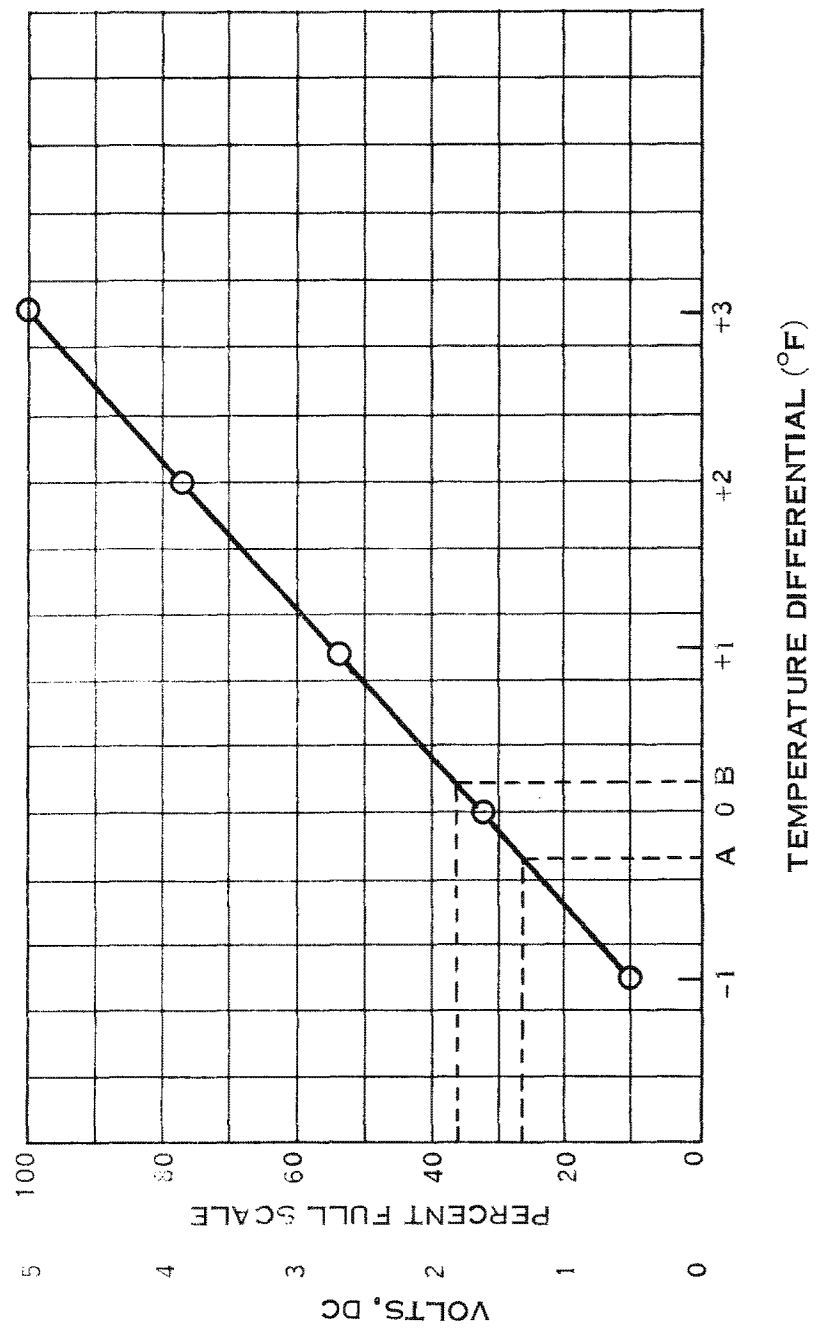
"A" NUMBER:

DATA SOURCE:

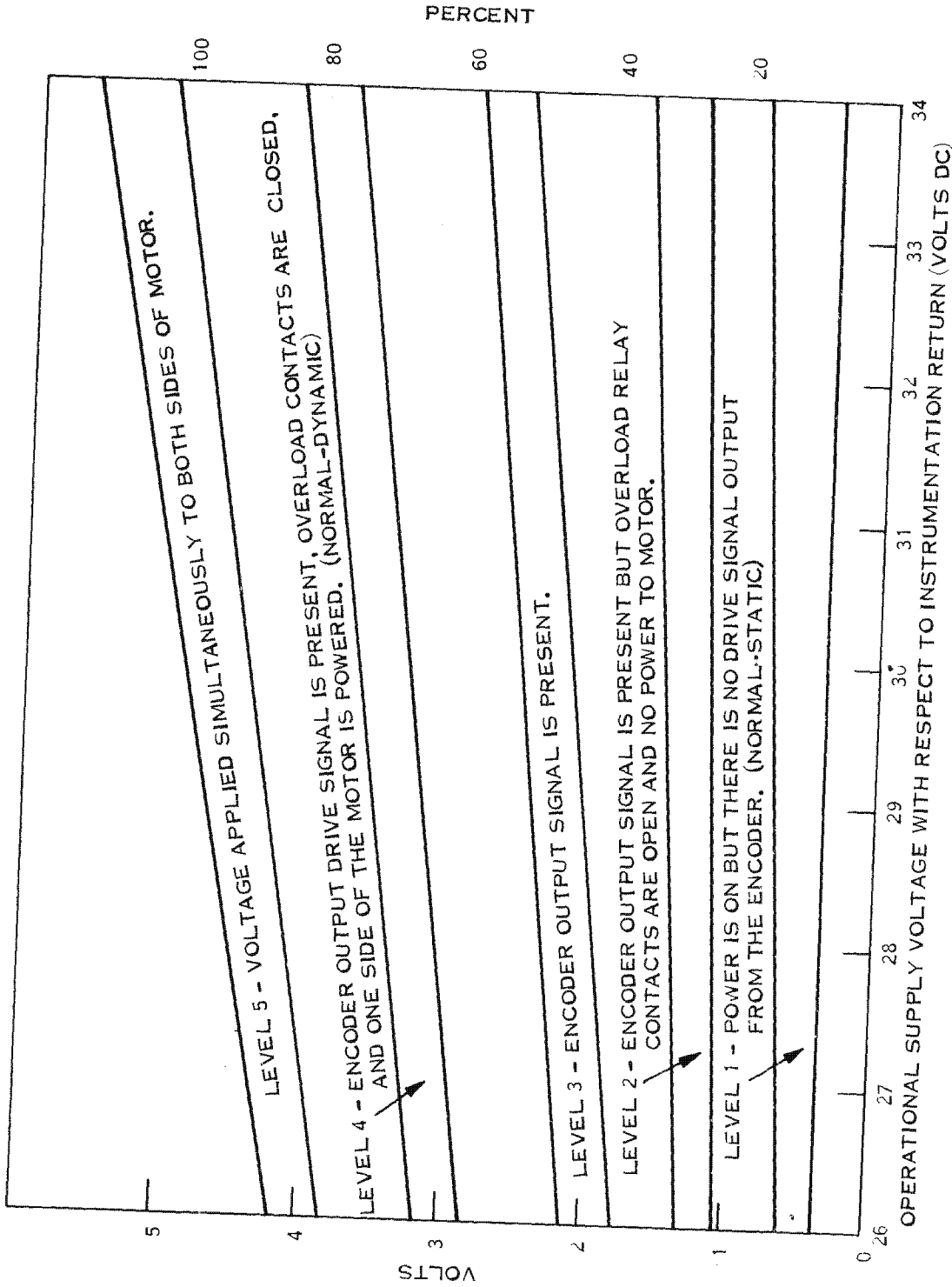
EXCITATION:



FUNCTION:	GFE 1-12	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	6
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION:	GFE1-3	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	7
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION: GFE 1-33

RANGE:

DRAWING NO:

"A" NUMBER:

STA/RAD:

SV SECTION:

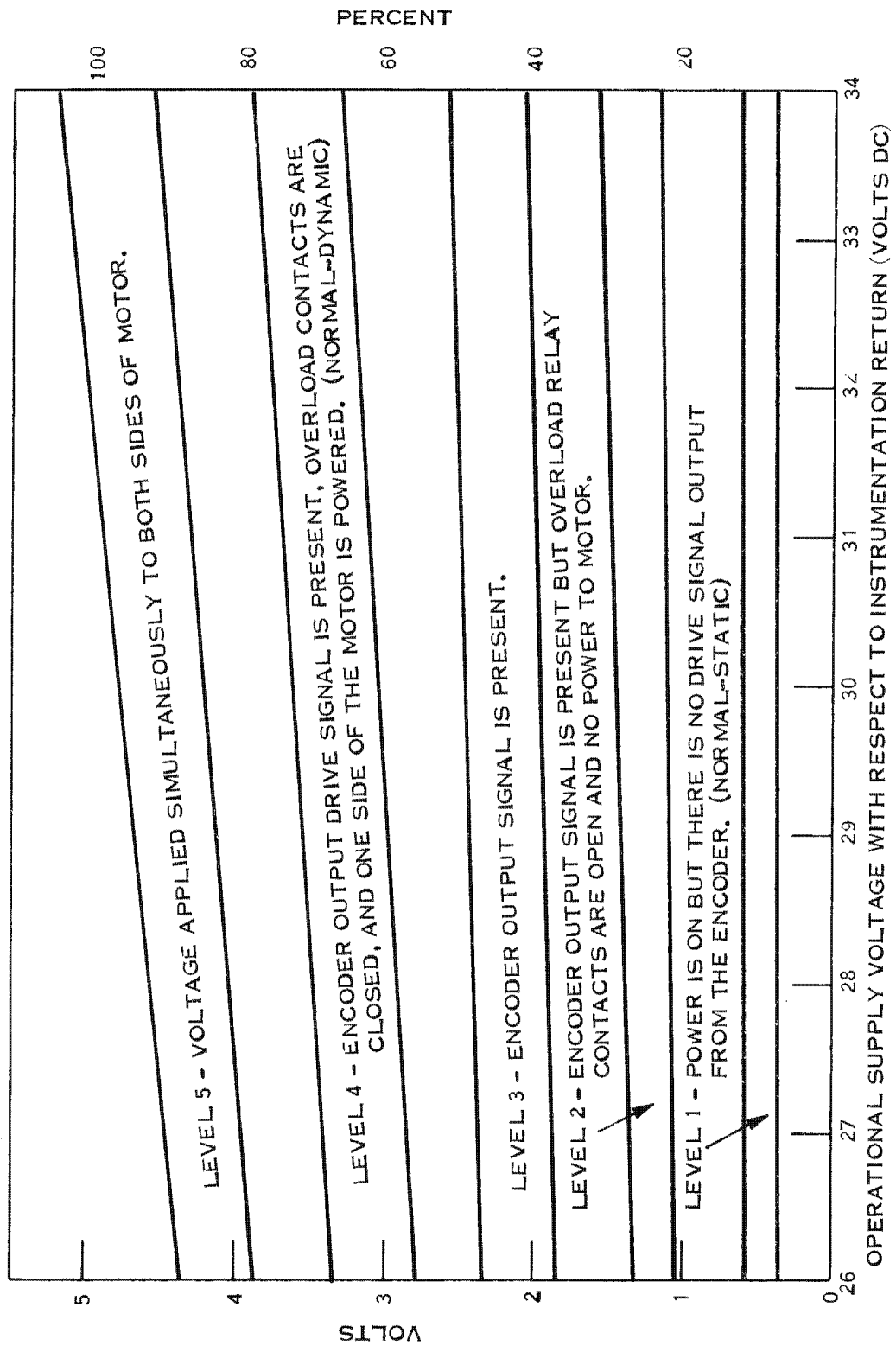
DATA SOURCE:

VEHICLE: 988

BAND: 12 (10.5 KC)

PULSE: 8

EXCITATION:



FUNCTION: GFE 1-34

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

BAND: 12 (10.5 KC)

PULSE: 9

EXCITATION:

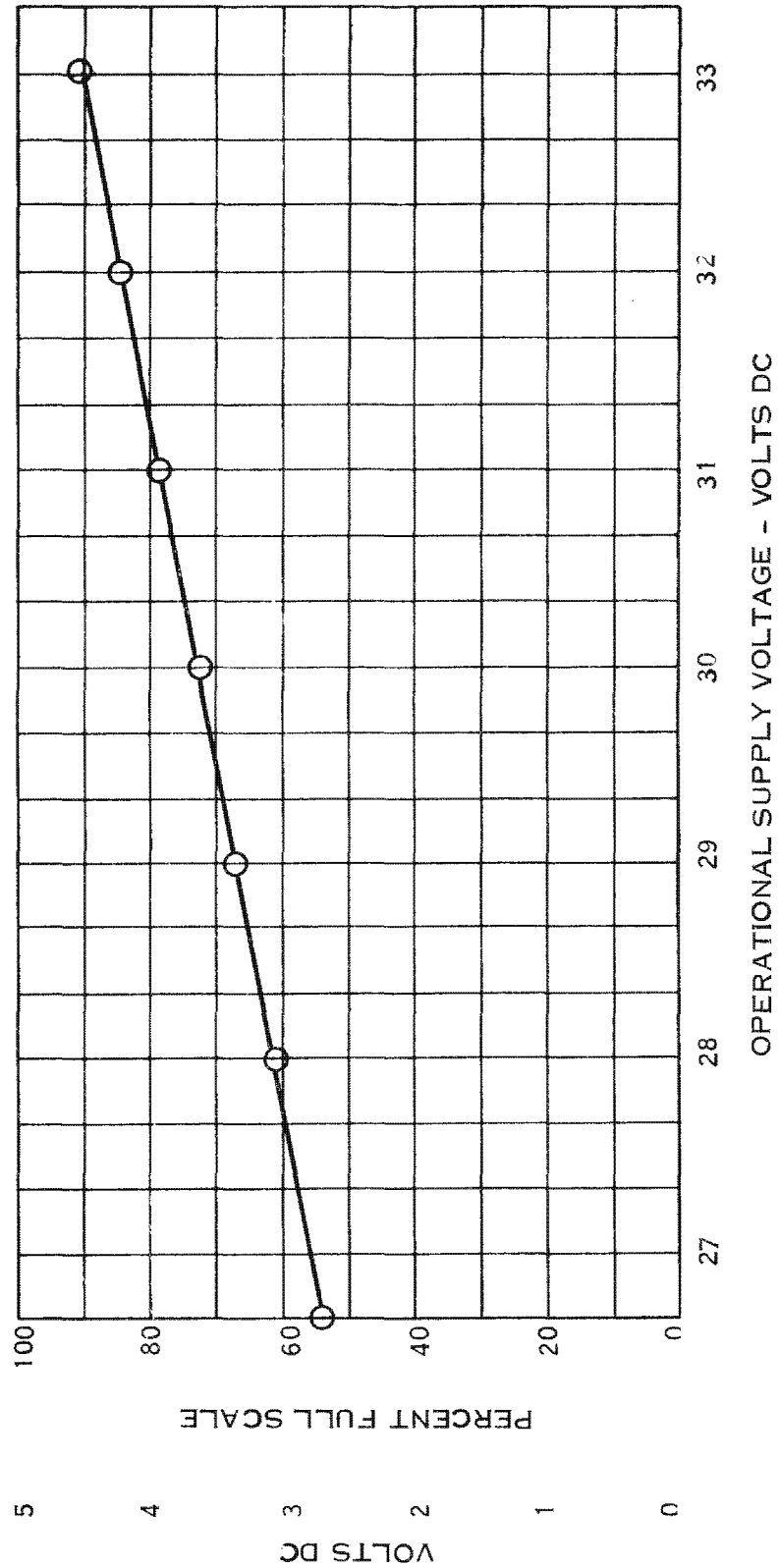
STA/RAD:

SV SECTION:

DATA SOURCE:

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FUNCTION: GFE 1-35

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 12 (10.5 KC)

DRAWING NO:

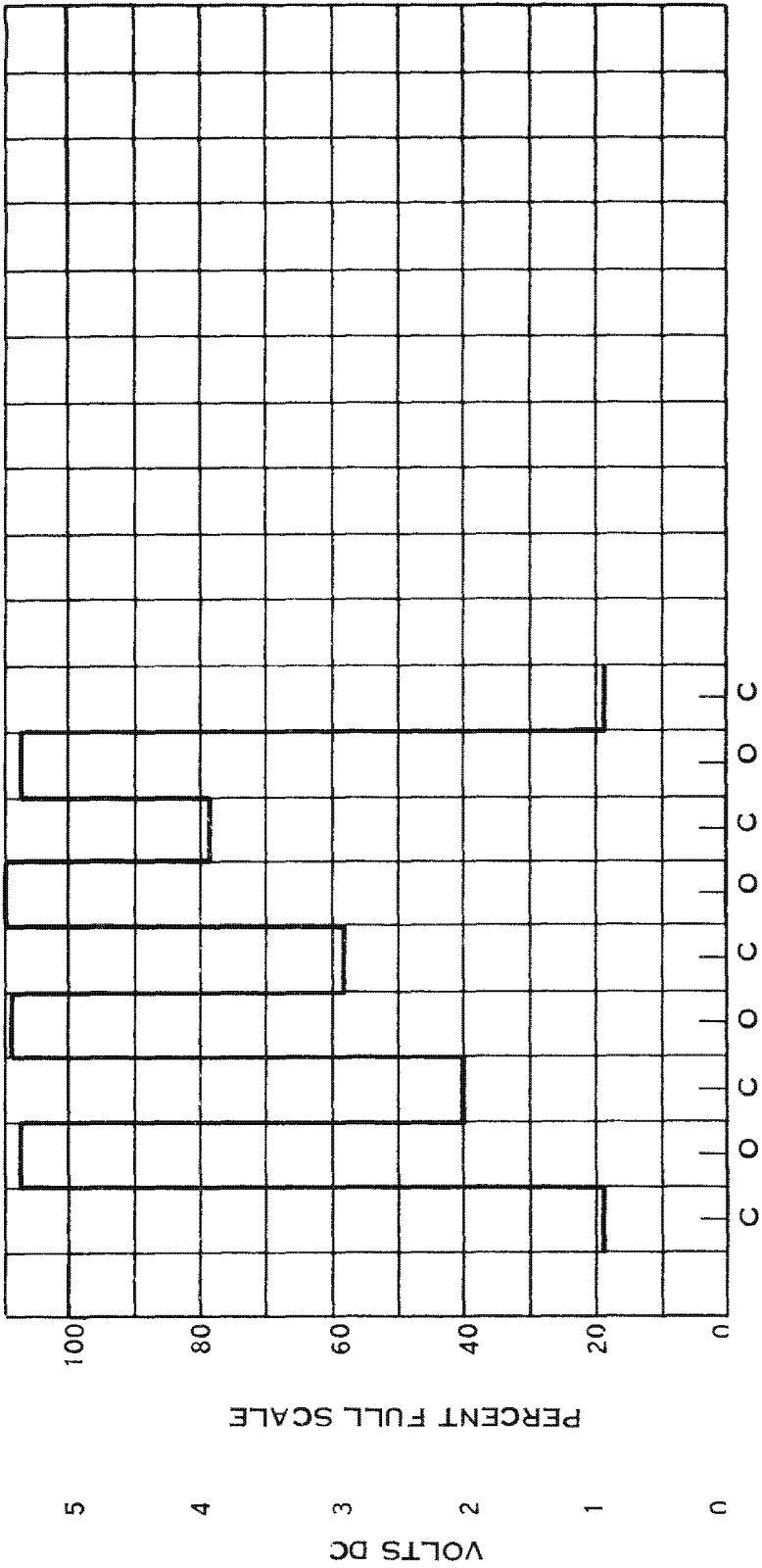
SV SECTION:

PULSE: 10

"A" NUMBER:

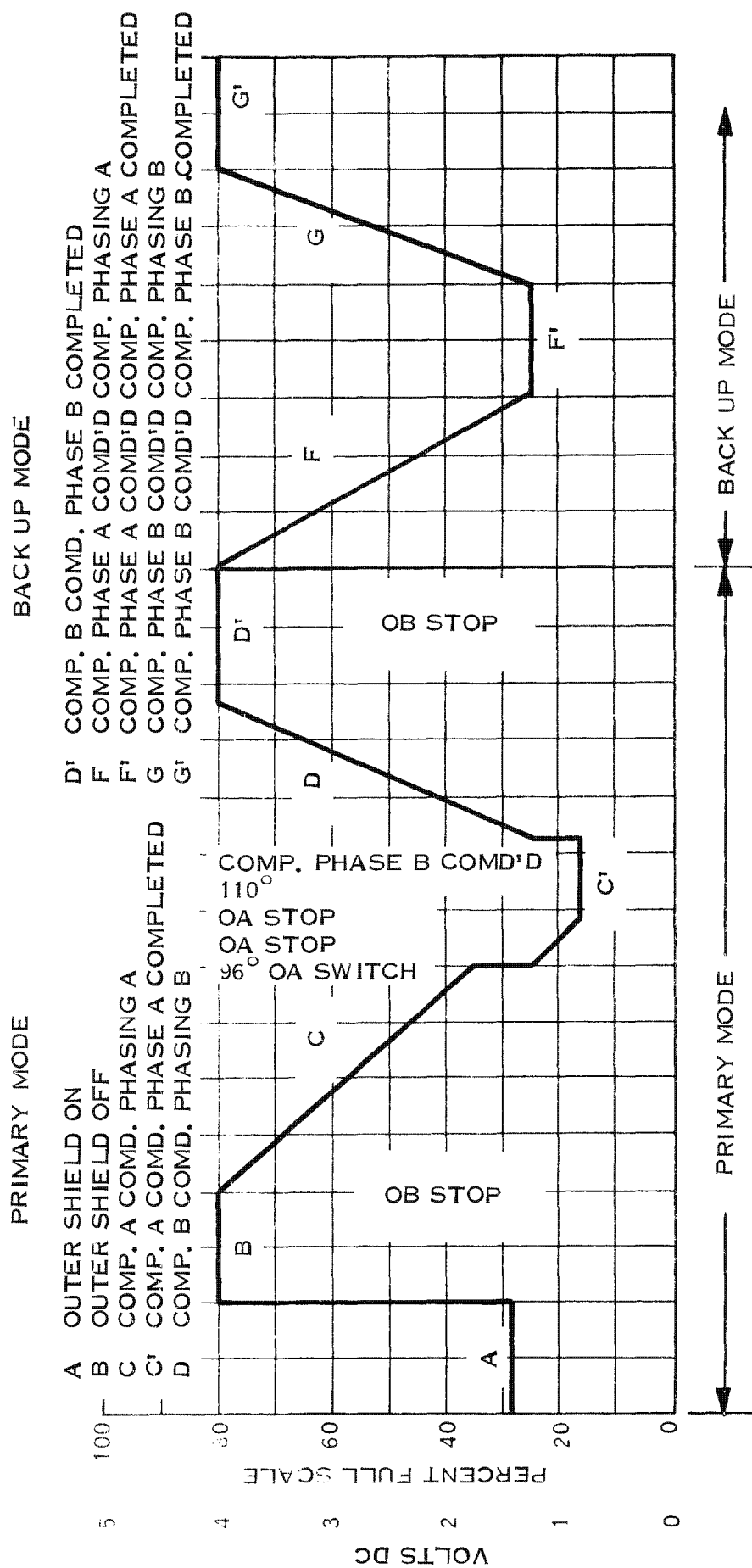
DATA SOURCE:

EXCITATION:



DOOR OPERATIONS
O = OPEN
C = CLOSED

FUNCTION: GFE 1-25
RANGE:
DRAWING NO:
"A" NUMBER:
VEHICLE: 988
BAND: 12 (10.5 KC)
PULSE: 11
EXCITATION:
STA/RAD:
SV SECTION:
DATA SOURCE:



FUNCTION: COMPUTER PHASING

VEHICLE: 988

RANGE:

STA/RAD: 120/190°

BAND: 12 (10.5 KC)

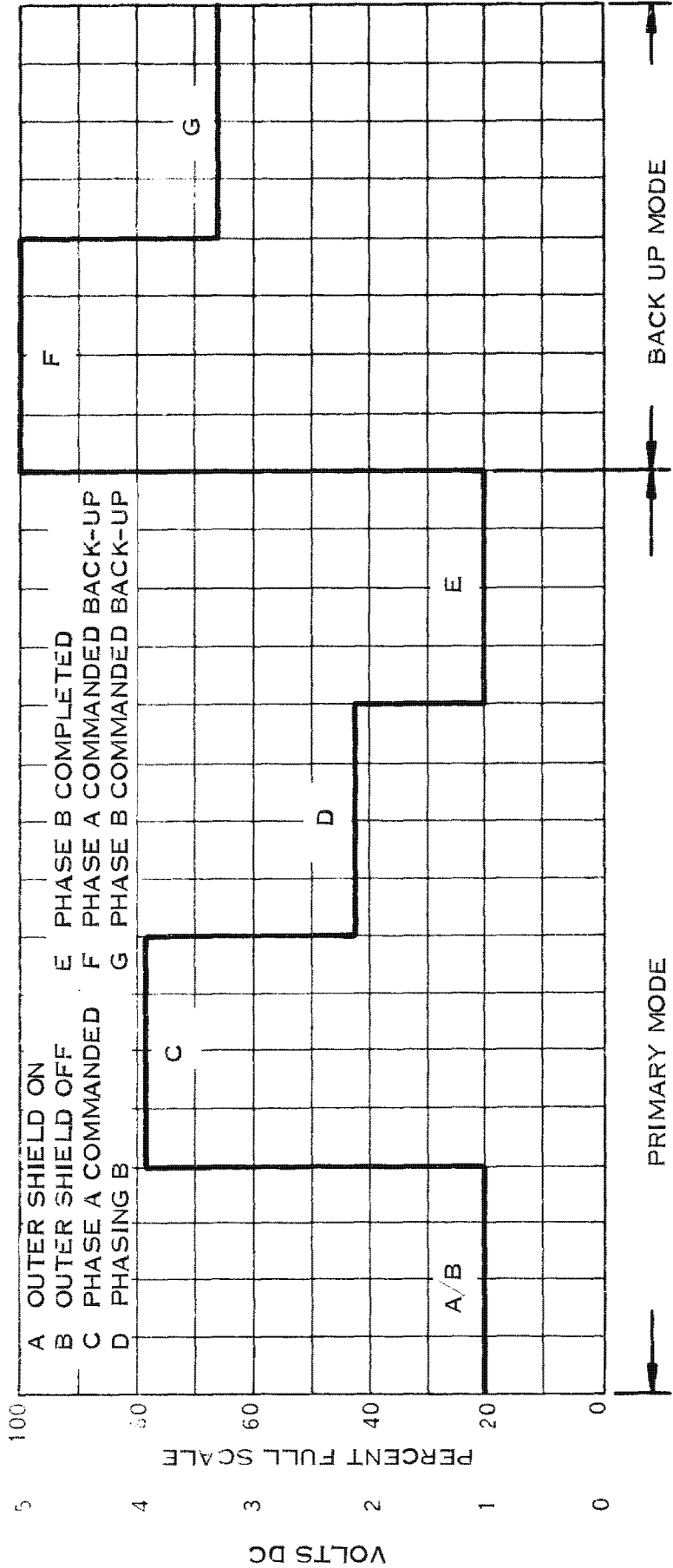
DRAWING NO: 895D900 G6

SV SECTION: 5 PULSE:

PULSE: 12

"A" NUMBER: 1396

DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC



FUNCTION: COMPUTER EVENTS

VEHICLE: 988

RANGE:

STA/RAD: 120/190°

BAND: 12 (10.5 KC)

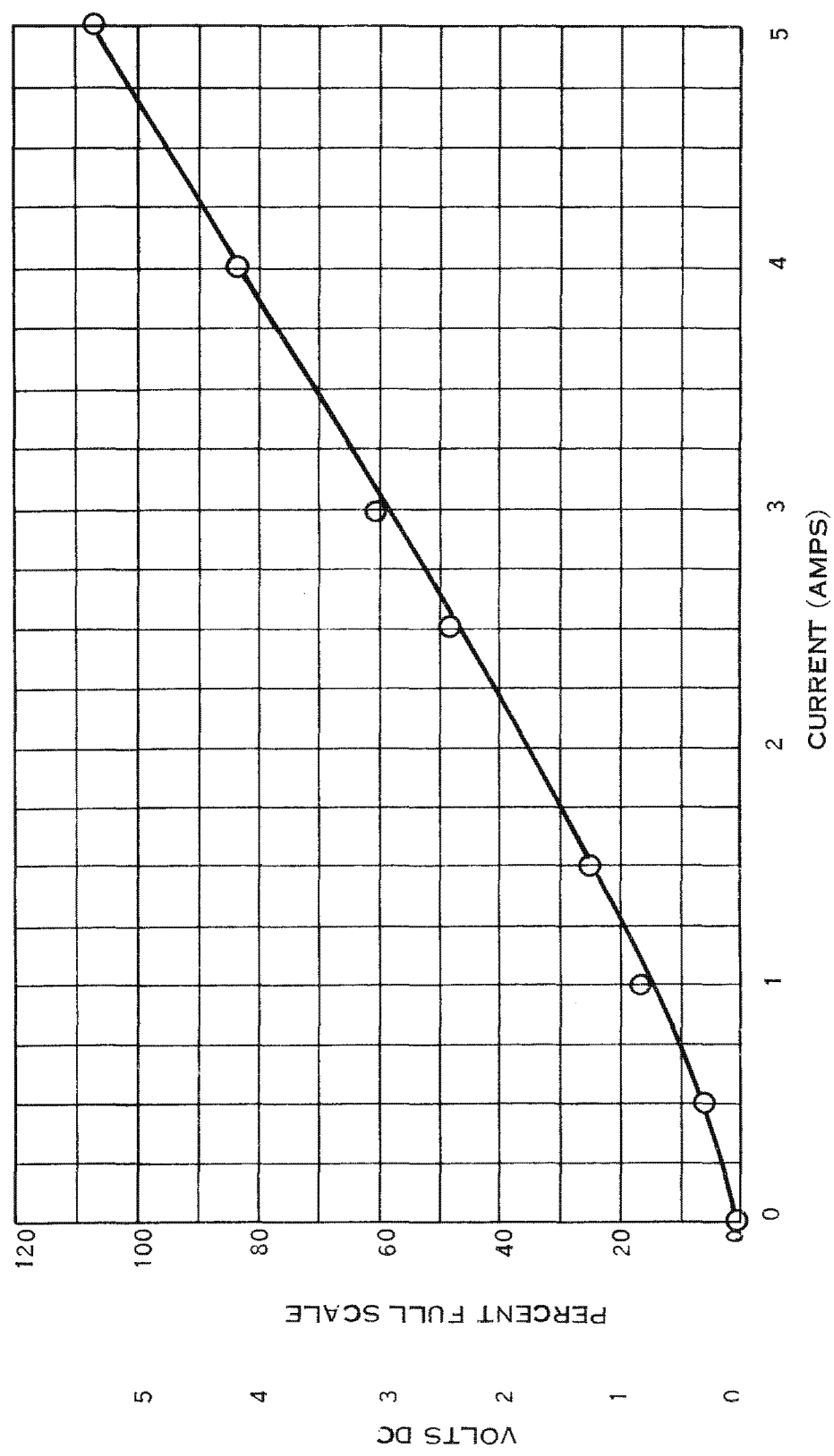
DRAWING NO: 895D900 G6

SV SECTION: 5

PULSE: 13

"A" NUMBER: 1396

DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC

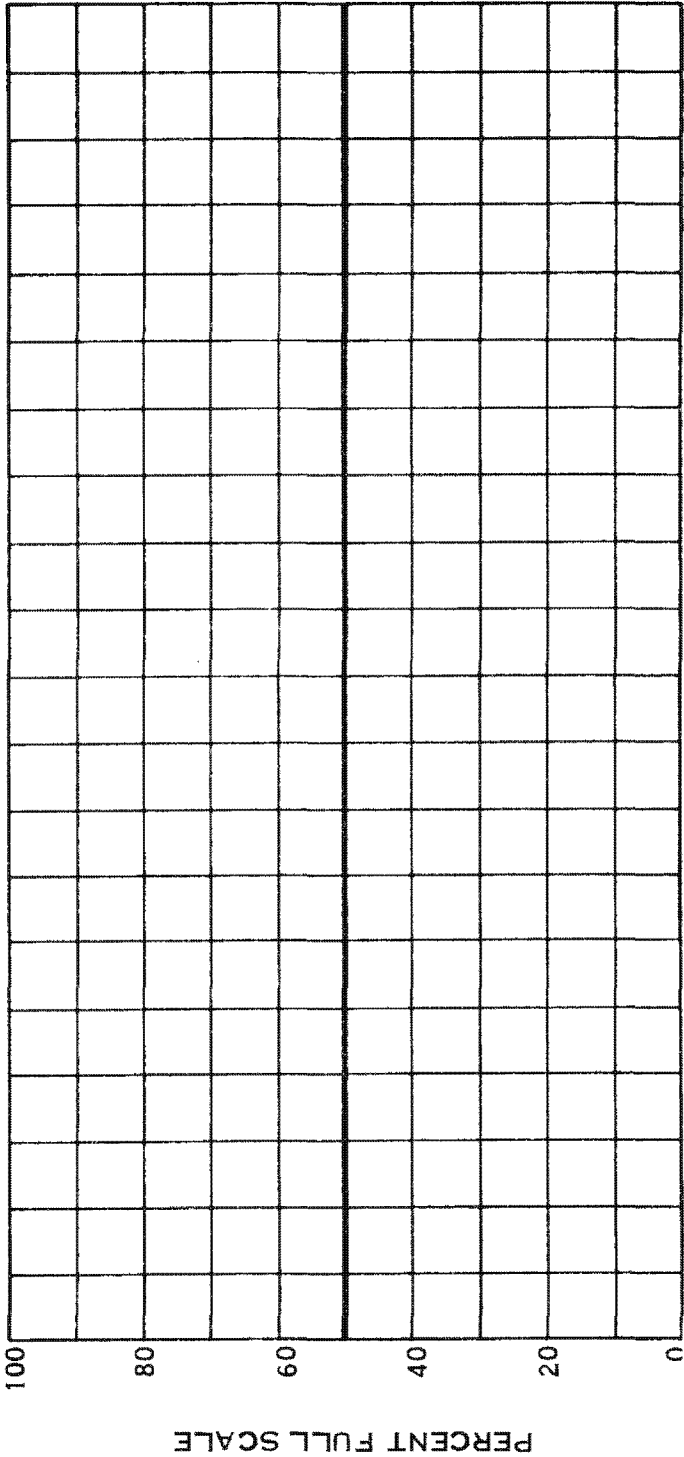


FUNCTION:	CURRENT COMMAND SUBSYSTEM	VEHICLE:	988
RANGE:	0 TO 5 AMPS	BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	14
"A" NUMBER:		EXCITATION:	

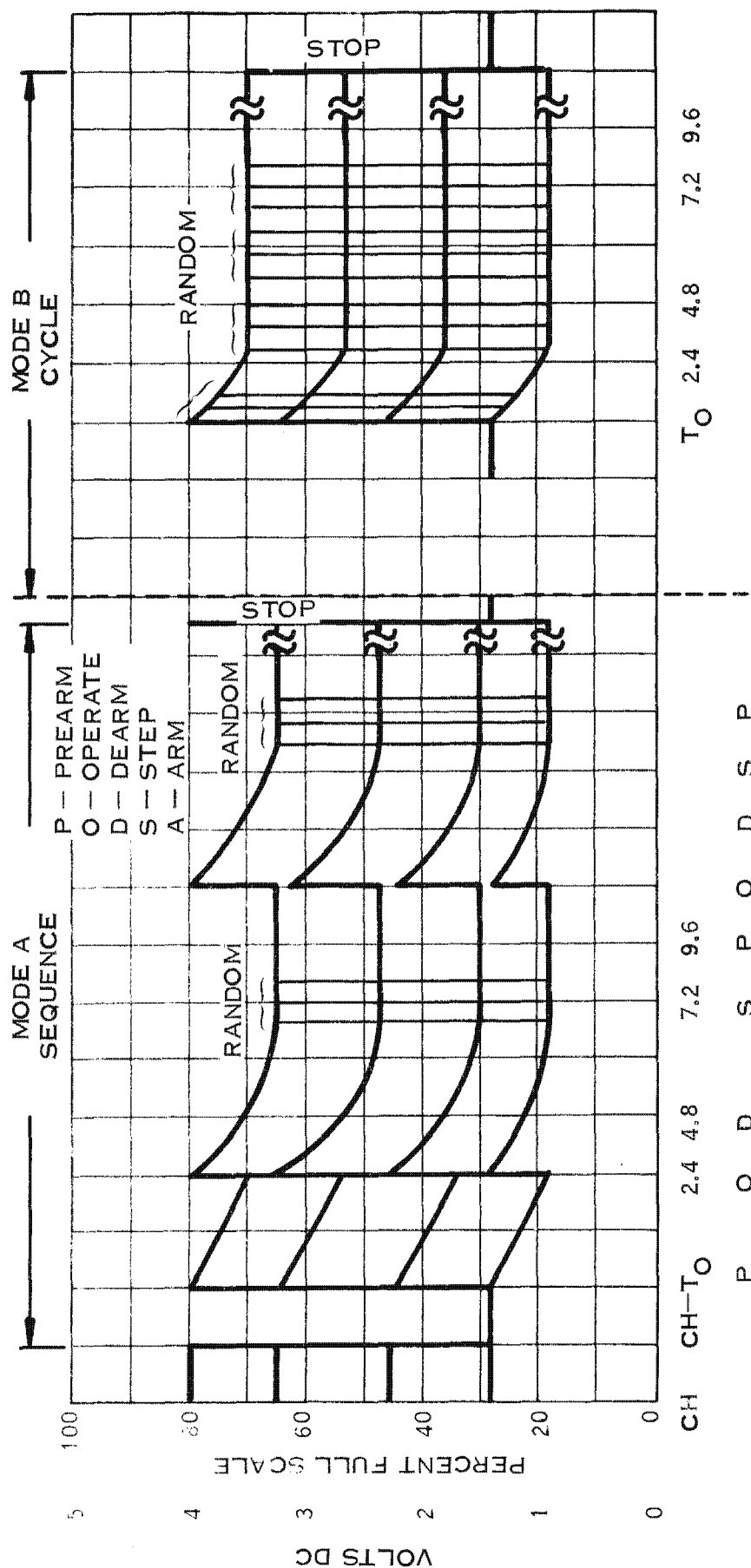
DATA SOURCE: SYSTEMS DATA

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FUNCTION:	CALIBRATION — 50 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	12 (10.5 KC)
DRAWING NO:	SV SECTION:	PULSE:	15
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION: PIGGYBACK NO. 1

VEHICLE: 988

RANGE:

BAND: 12 (10.5 KC)

DRAWING NO:

PULSE: 16

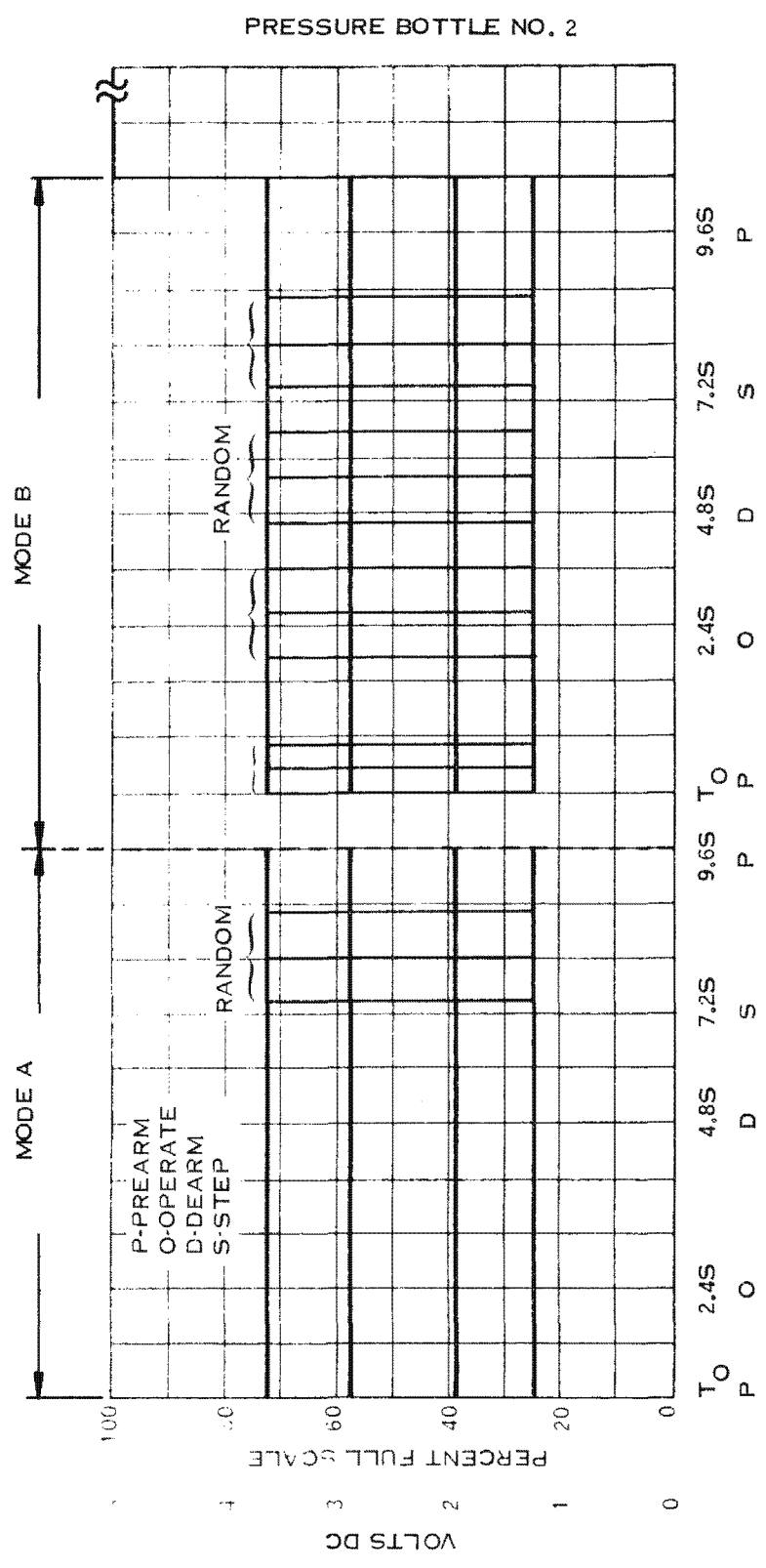
"A" NUMBER:

EXCITATION:

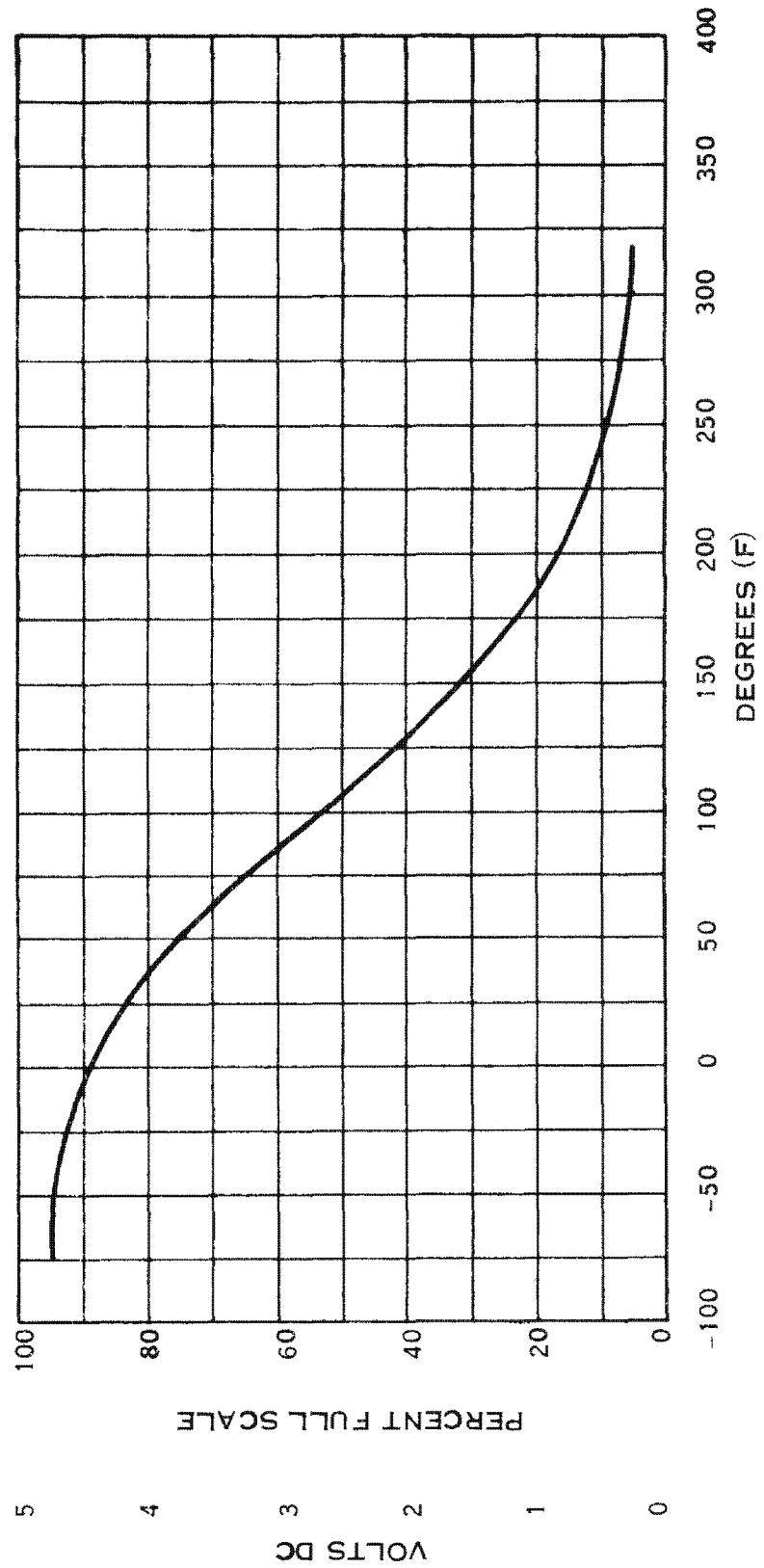
STA/RAD:

SV SECTION:

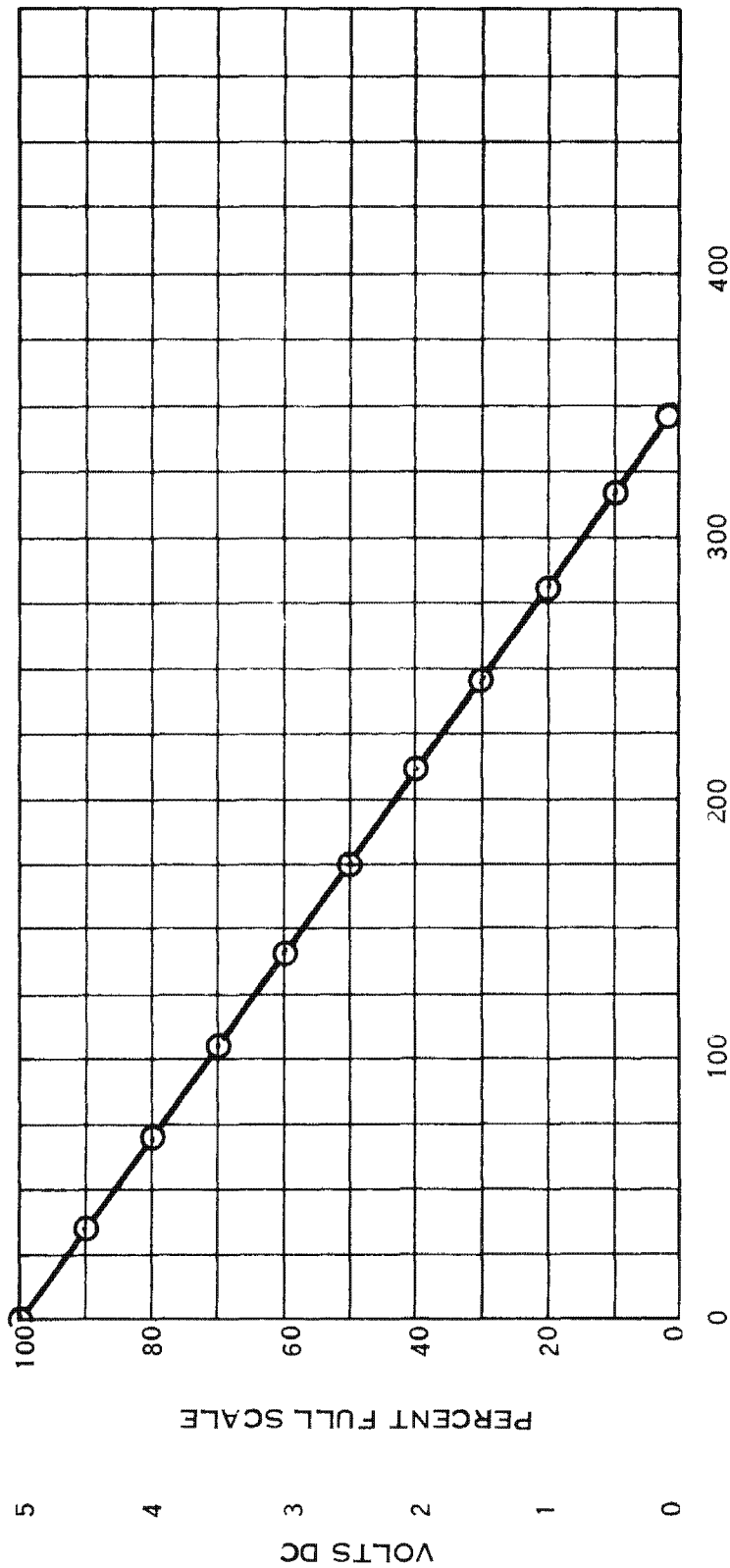
DATA SOURCE:



FUNCTION:	PIGGYBACK NO. 2	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	17
"A" NUMBER:		EXCITATION:	
		STA /RAD:	
		SV SECTION:	
		DATA SOURCE:	



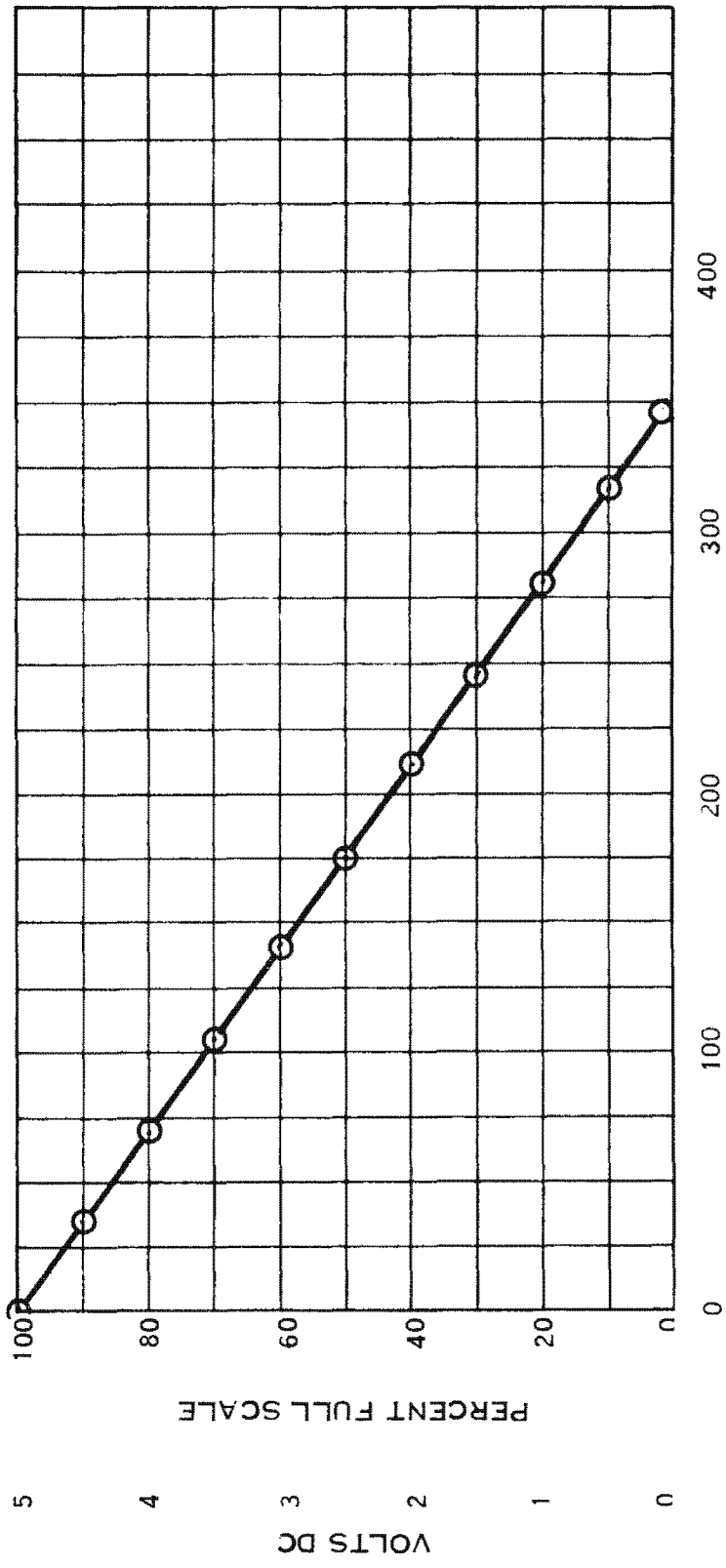
FUNCTION:	TEMP. STAG. POINT AT 70 DEGREES F	VEHICLE:	988
RANGE:	-76 TO +320 DEGREES F	BAND:	12 (10.5 KC)
DRAWING NO:	111C5833 P2	PULSE:	18
"A" NUMBER:	1814	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



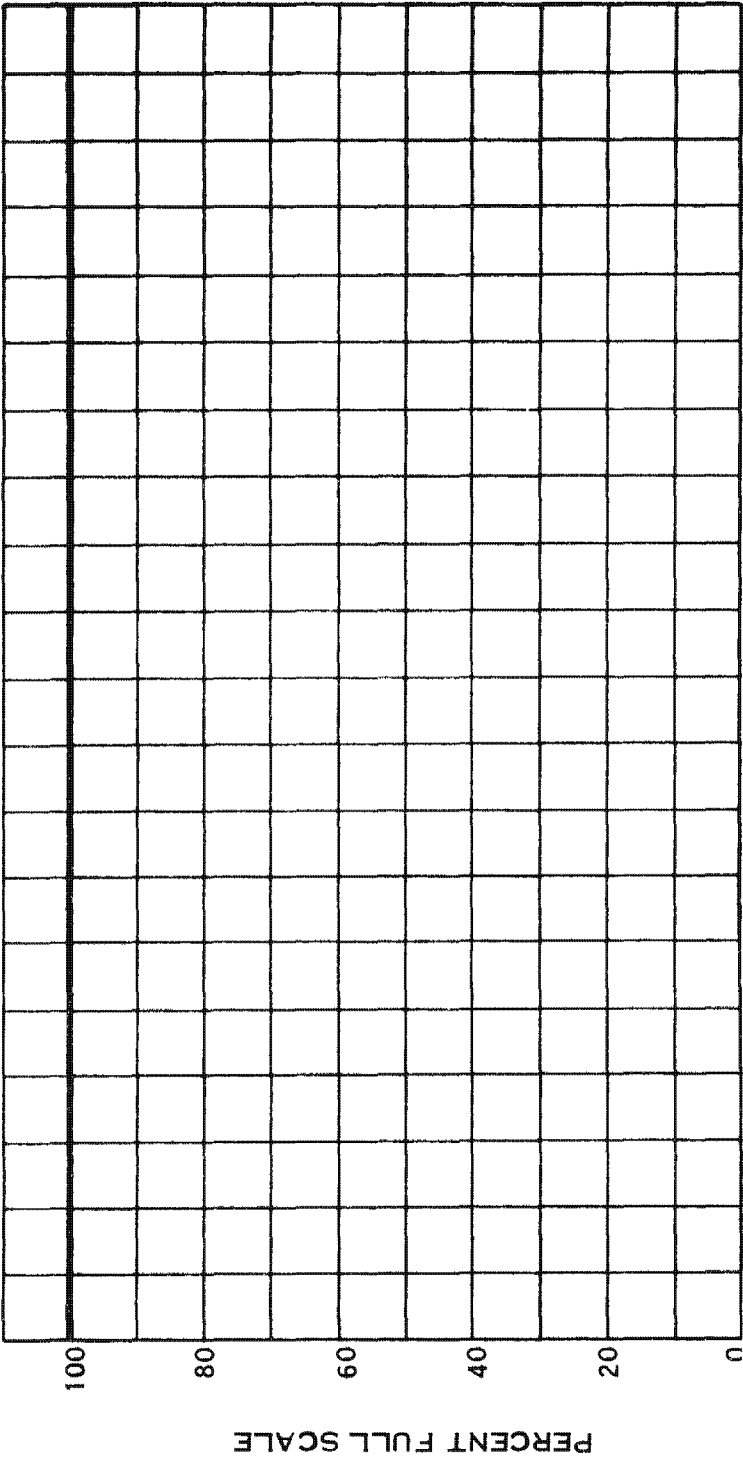
FUNCTION: PRESSURE, OCV OXIDIZER
RANGE: 0 TO 350 PSIA
DRAWING NO: 115C7219 PI
"A" NUMBER: 804

VEHICLE: 988
BAND: 12(10.5 KC)
PULSE: 19
EXCITATION: 5 VDC

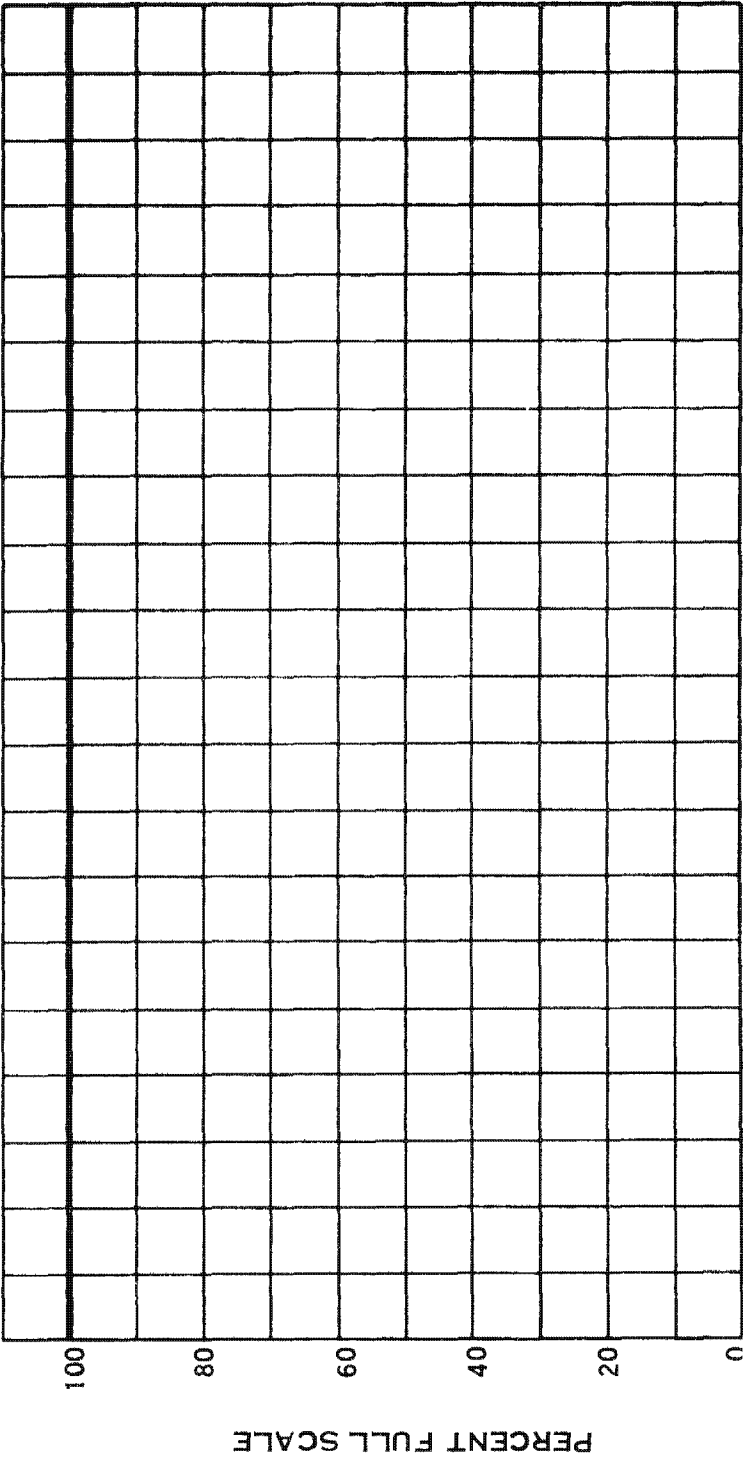
STA/RAD: 146/280°
SV SECTION: 6
DATA SOURCE: COMPONENT DATA



FUNCTION:	PRESSURE, OCV FUEL	VEHICLE:	988
RANGE:	0 TO 350 PSIA	BAND:	12(10.5KC)
DRAWING NO:	115C7218 PI	PULSE:	20
"A" NUMBER:	807	EXCITATION:	5 VDC
		DATA SOURCE:	COMPONENT DATA



FUNCTION:	5 VDC BUS	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	21
"A" NUMBER:		EXCITATION:	



FUNCTION: 5 VDC BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 12 (10.5 KC)

DRAWING NO:

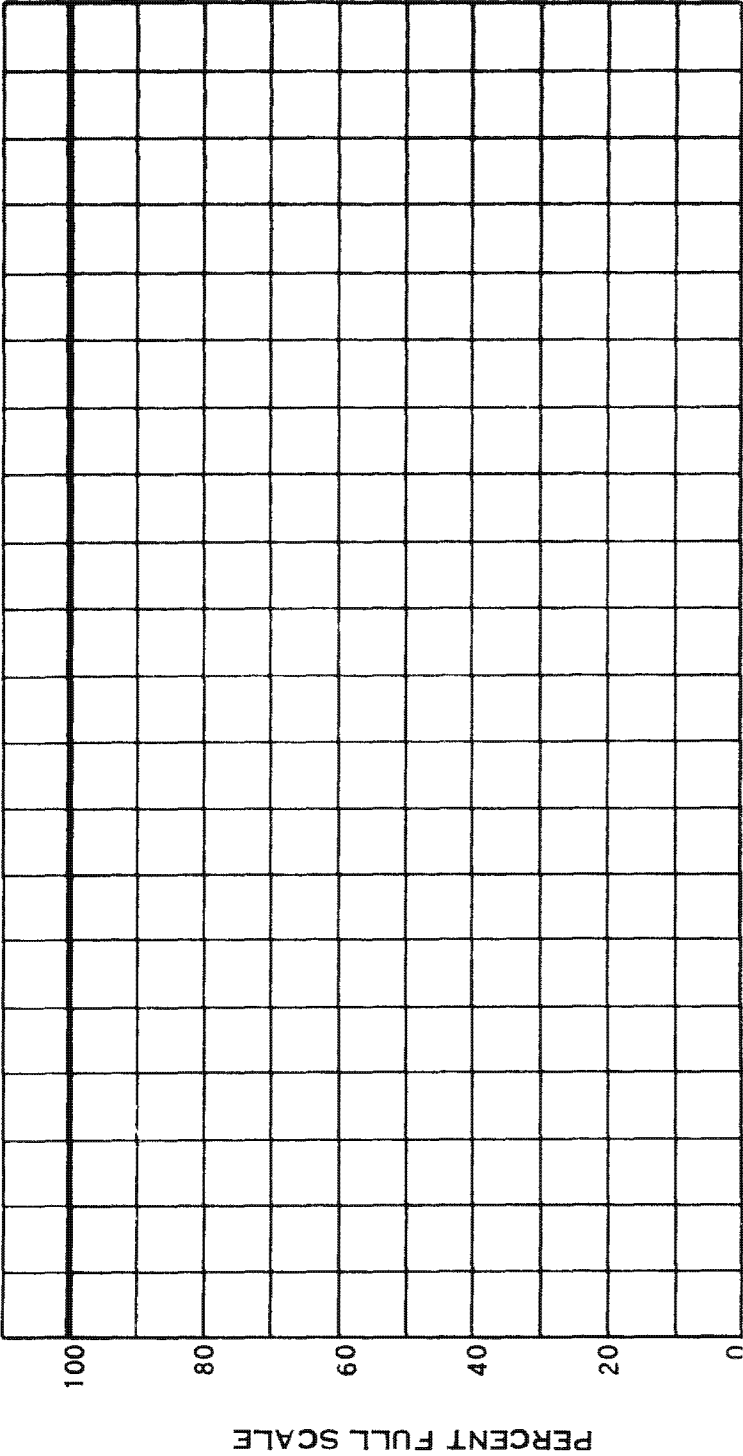
SV SECTION:

PULSE: 22

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: 5 VDC BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 12 (10.5 KC)

DRAWING NO:

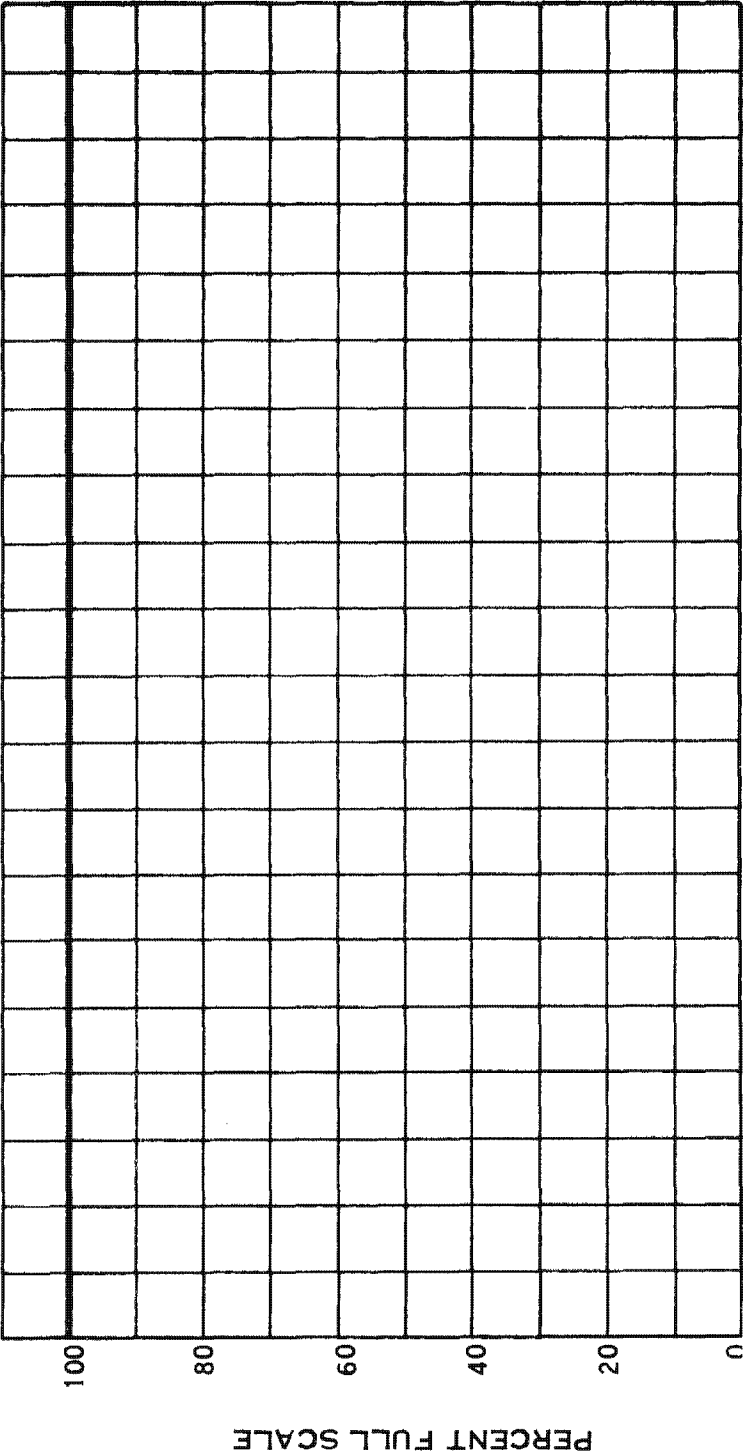
SV SECTION:

PULSE: 23

"A" NUMBER:

DATA SOURCE:

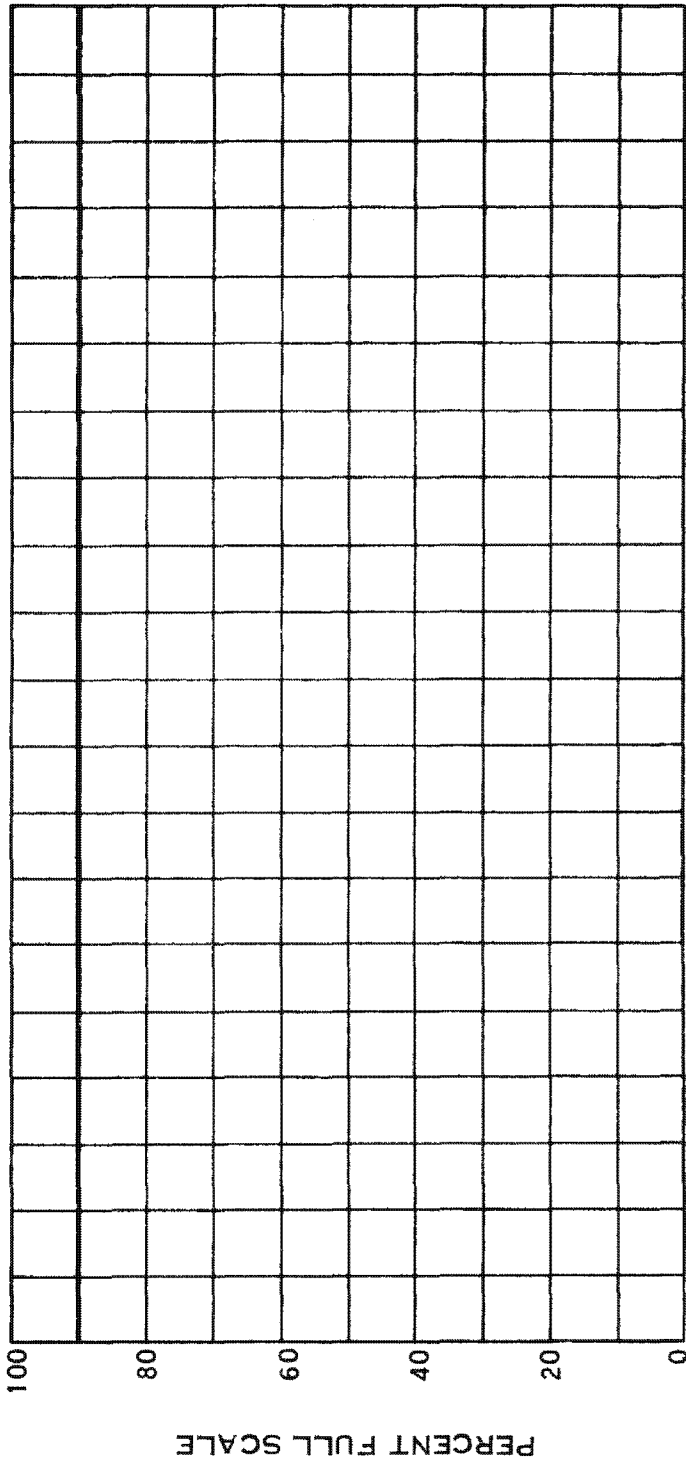
EXCITATION:



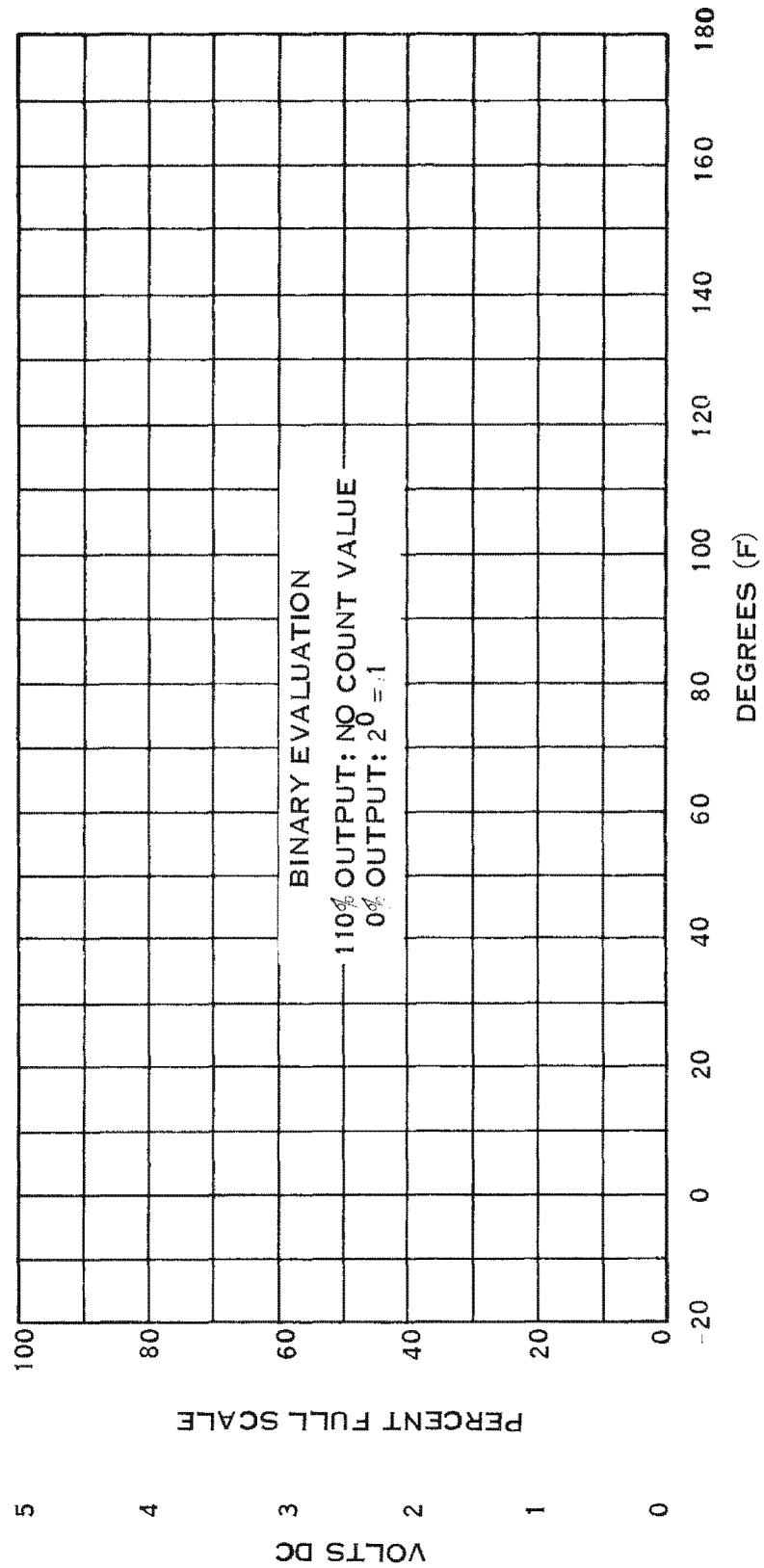
FUNCTION:	5 VDC BUS	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	24
"A" NUMBER:		EXCITATION:	

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FUNCTION:	CALIBRATION -- 90 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	12 (10.5 KC)
DRAWING NO:	SV SECTION:	PULSE:	25
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



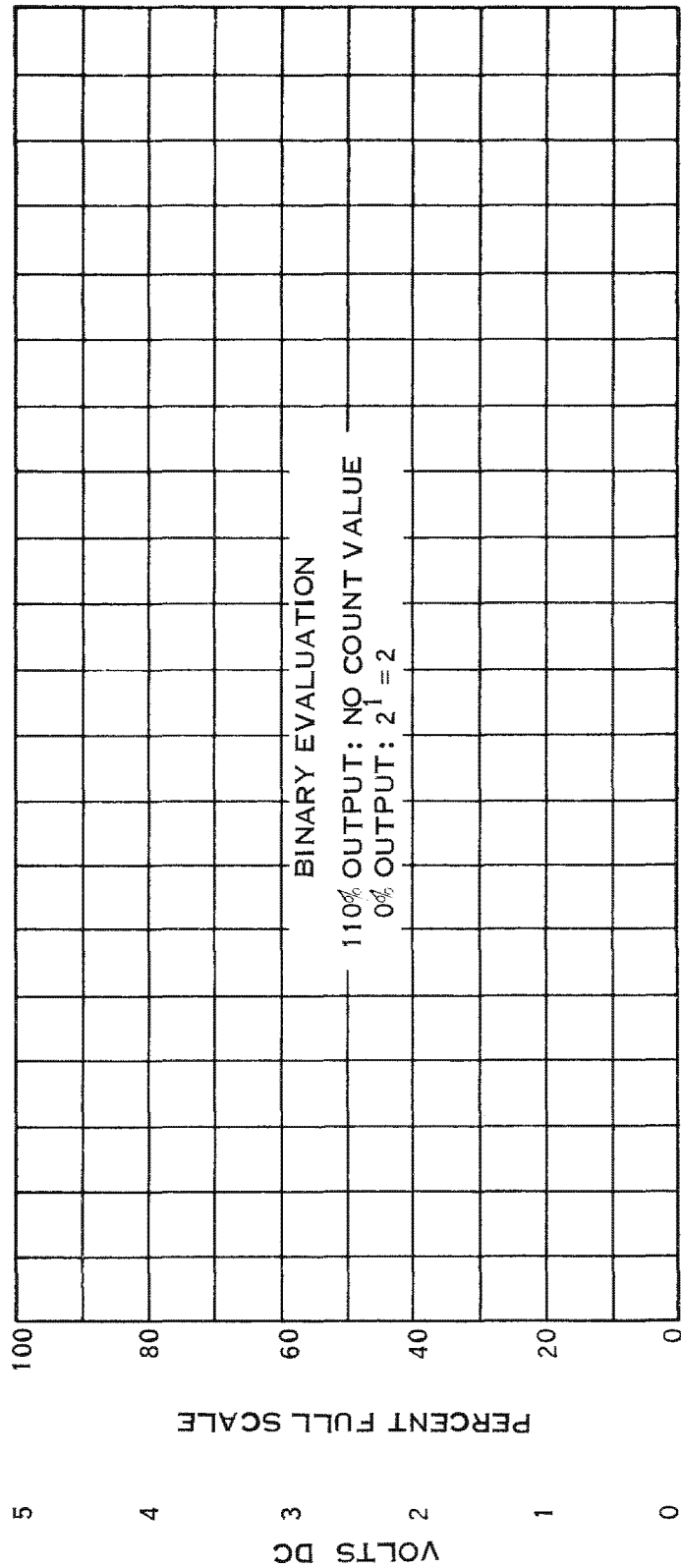
FUNCTION: RECORDER COUNTER - LSD VEHICLE: 988

RANGE: 0 OR 5 VOLTS STA/RAD: 154/O° BAND: 12 (10.5 KC)

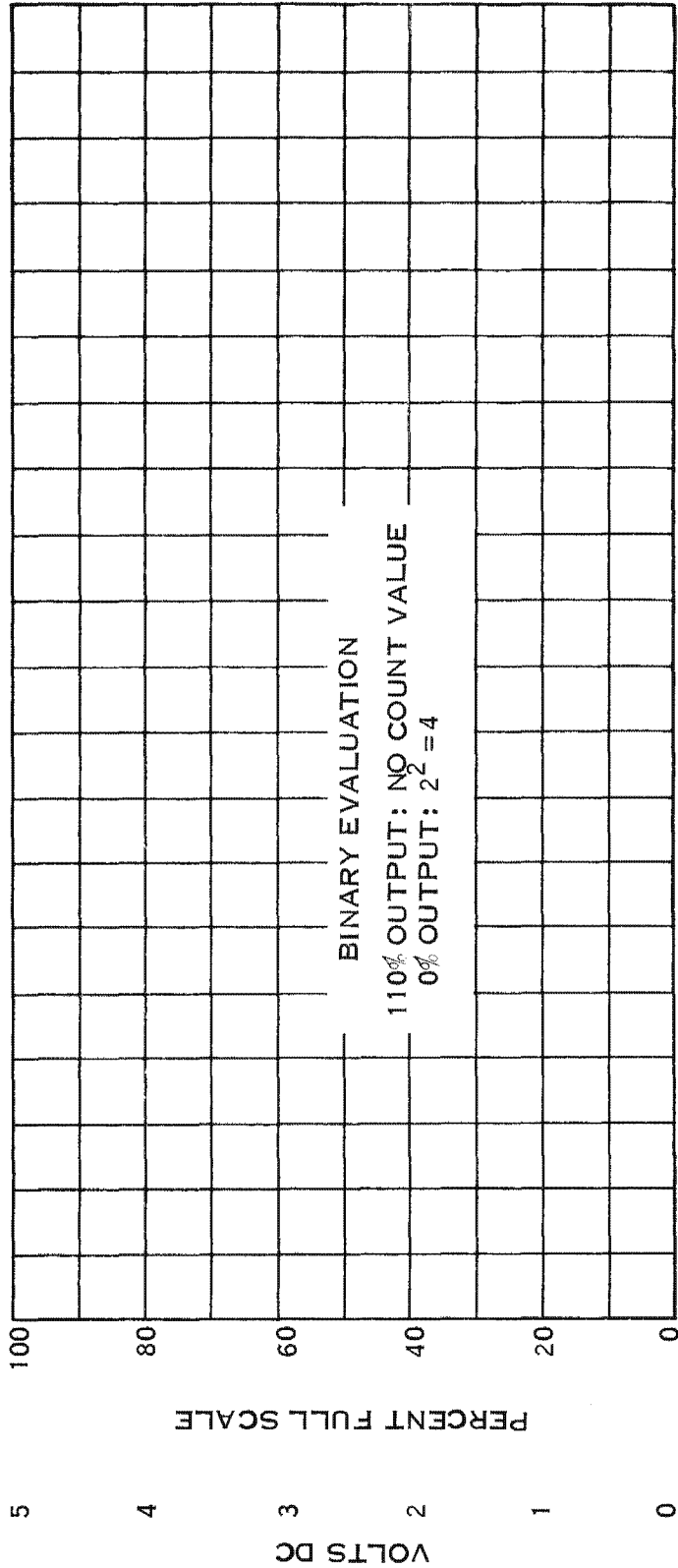
DRAWING NO: 893D834 G3 SV SECTION: 6 PULSE: 26

"A" NUMBER: 130 DATA SOURCE: EXCITATION: 28 VDC

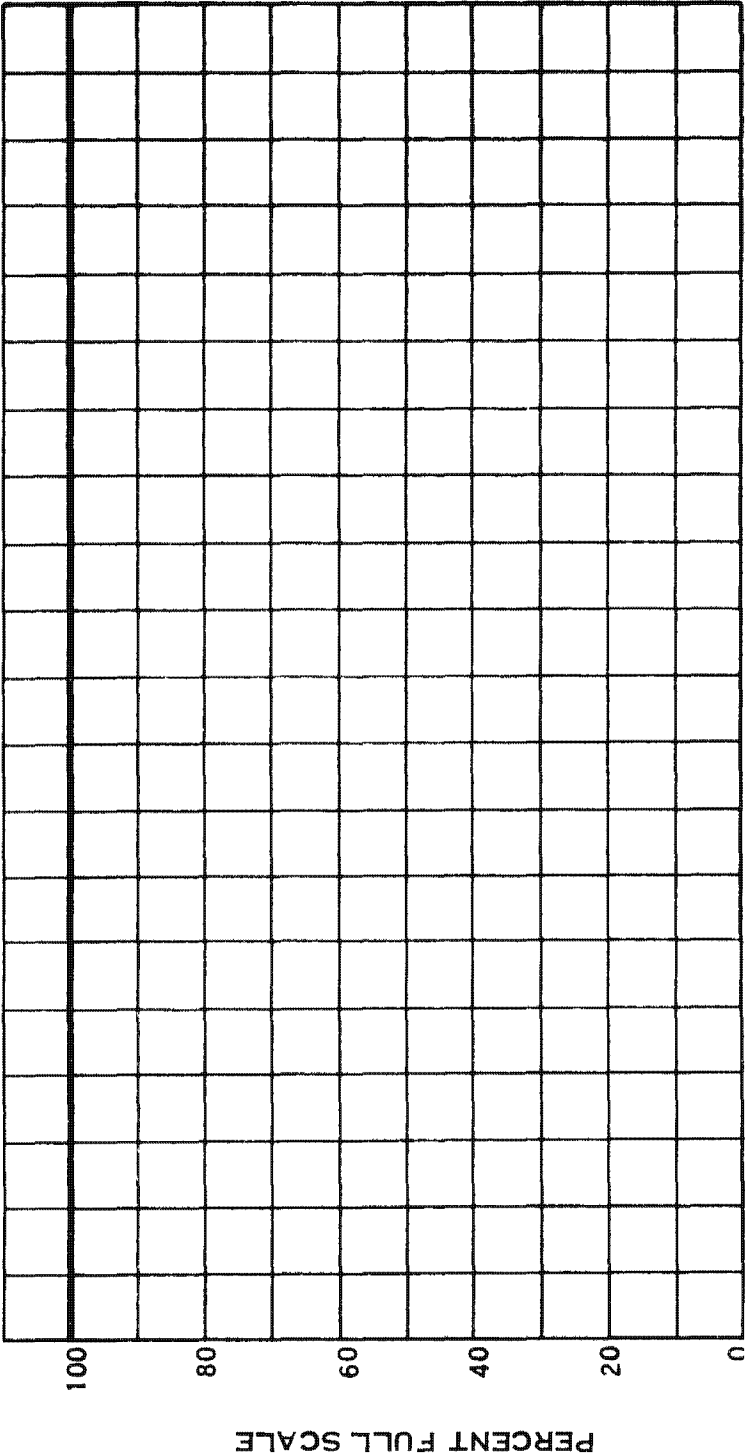
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FUNCTION:	RECORDER COUNTER	VEHICLE:	988
RANGE:	0 OR 5 VOLTS	BAND:	12 (10.5 KC)
DRAWING NO:	893D834 G3	PULSE:	27
"A" NUMBER:	130	EXCITATION:	28 VDC
		STA/RAD:	154 / 0°
		SV SECTION:	6
		DATA SOURCE:	



FUNCTION:	RECORDER COUNTER (MSD)	VEHICLE:	988
RANGE:	0 OR 5 VOLTS	BAND:	12 (10.5 KC)
DRAWING NO:	893D834 G3	PULSE:	28
"A" NUMBER:	130	EXCITATION:	28 VDC
		DATA SOURCE:	



FUNCTION: FRAME SYNC

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 12 (10.5 KC)

DRAWING NO:

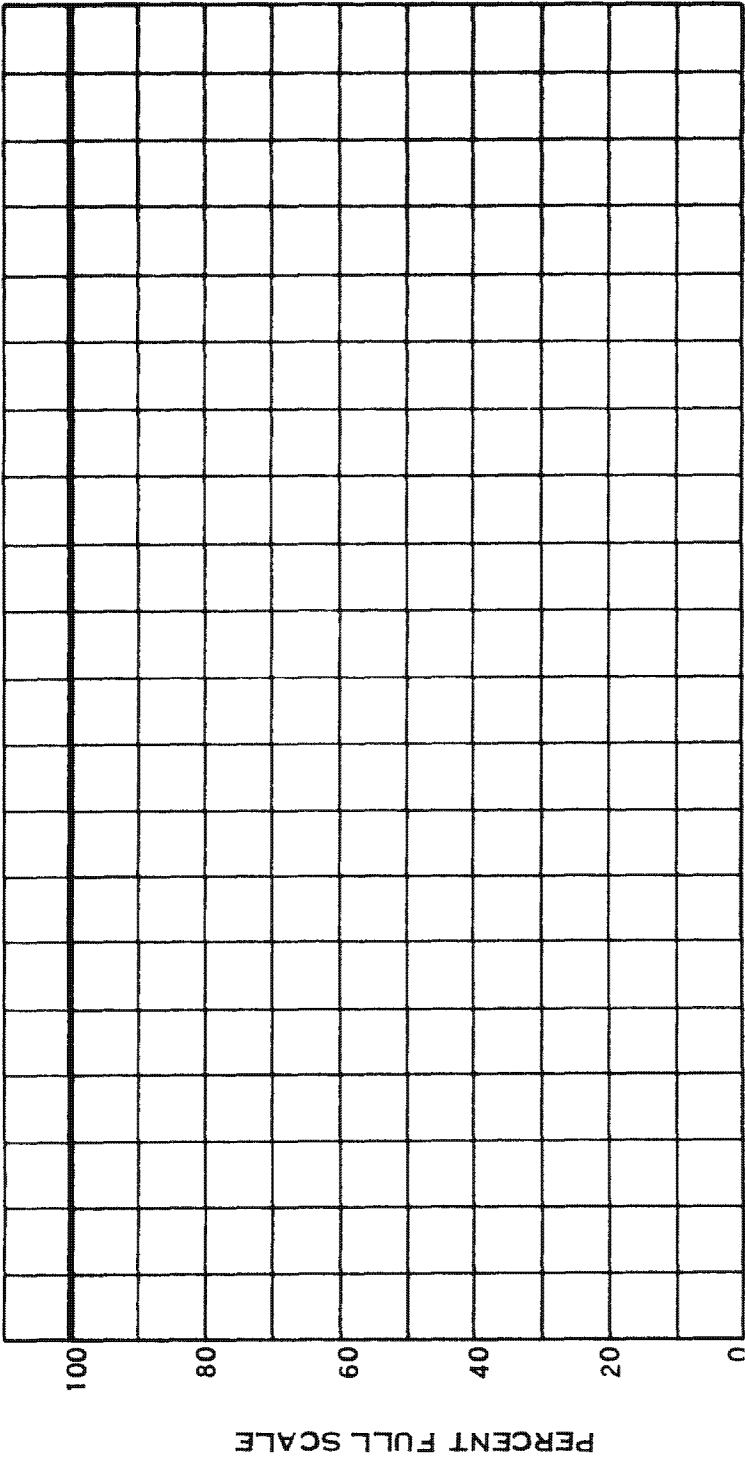
SV SECTION:

PULSE: 29

"A" NUMBER:

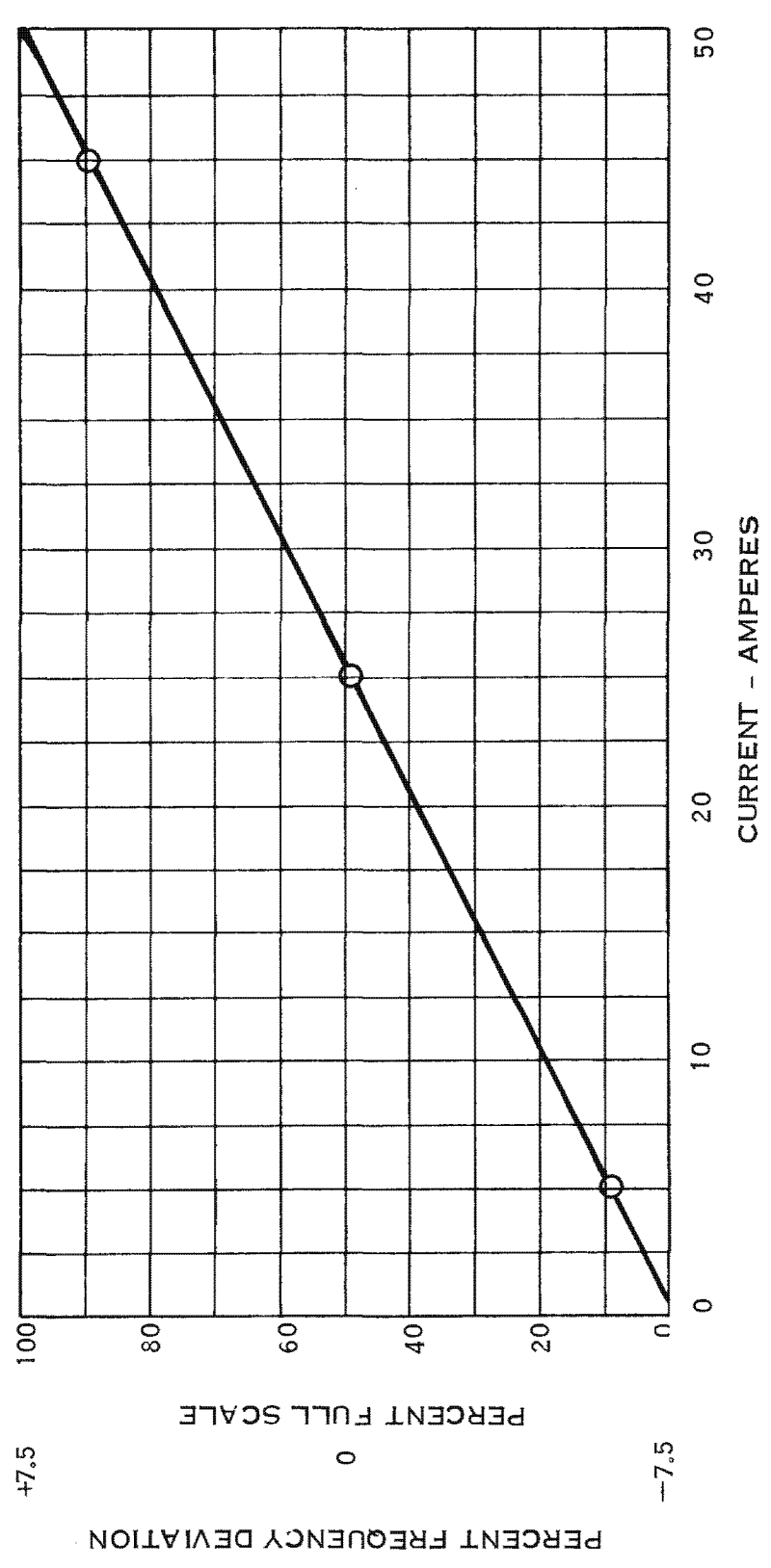
DATA SOURCE:

EXCITATION:

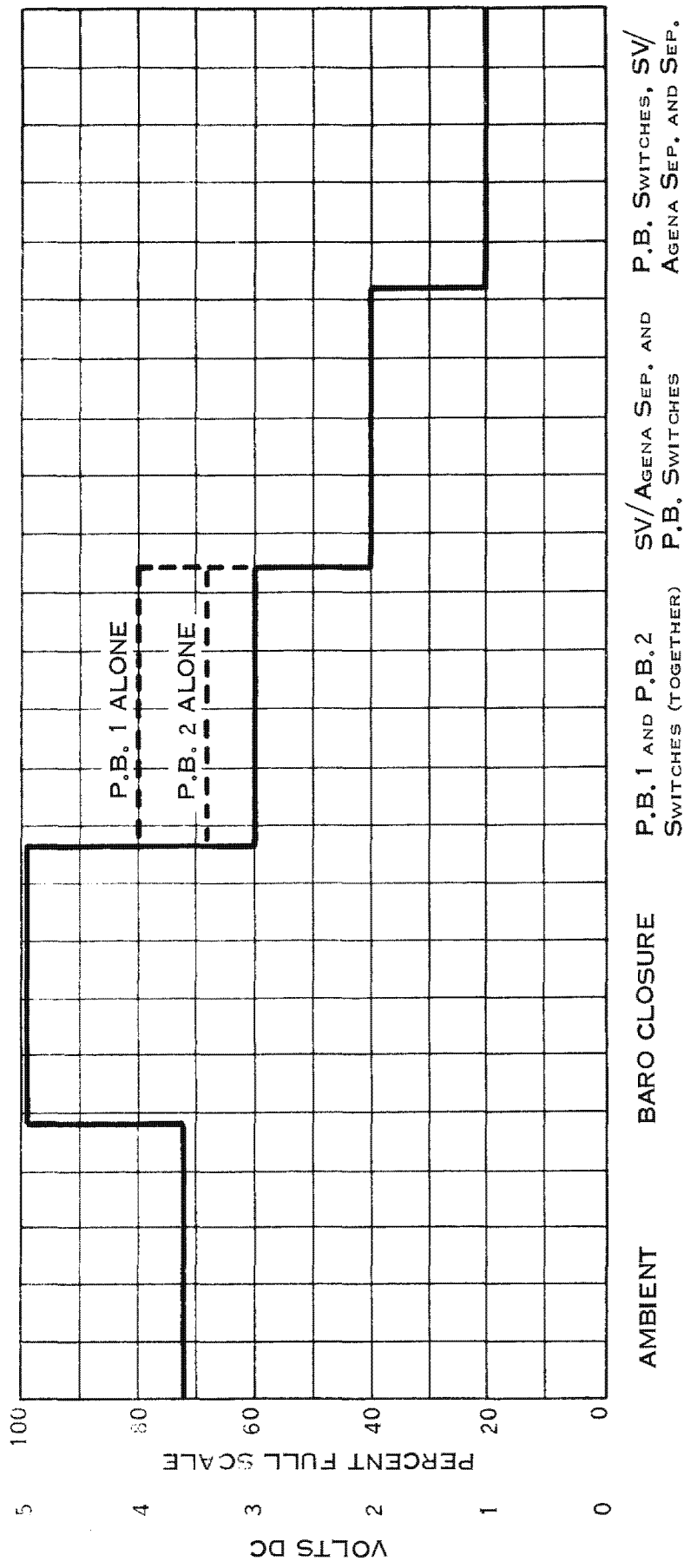


FUNCTION:	FRAME SYNC	VEHICLE:	988
RANGE:		BAND:	12 (10.5 KC)
DRAWING NO:		PULSE:	30
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	

BAND 13
14.5 KC



FUNCTION:	CURRENT OPERATIONAL BATTERY - TOTAL	VEHICLE:	988
RANGE:	0 TO 50 AMPS.	BAND:	11 (7.35 KC) 13 (14.5 KC)
DRAWING NO:	725E280 G1	PULSE:	CONTINUOUS
"A" NUMBER:	2241	EXCITATION:	28 VDC

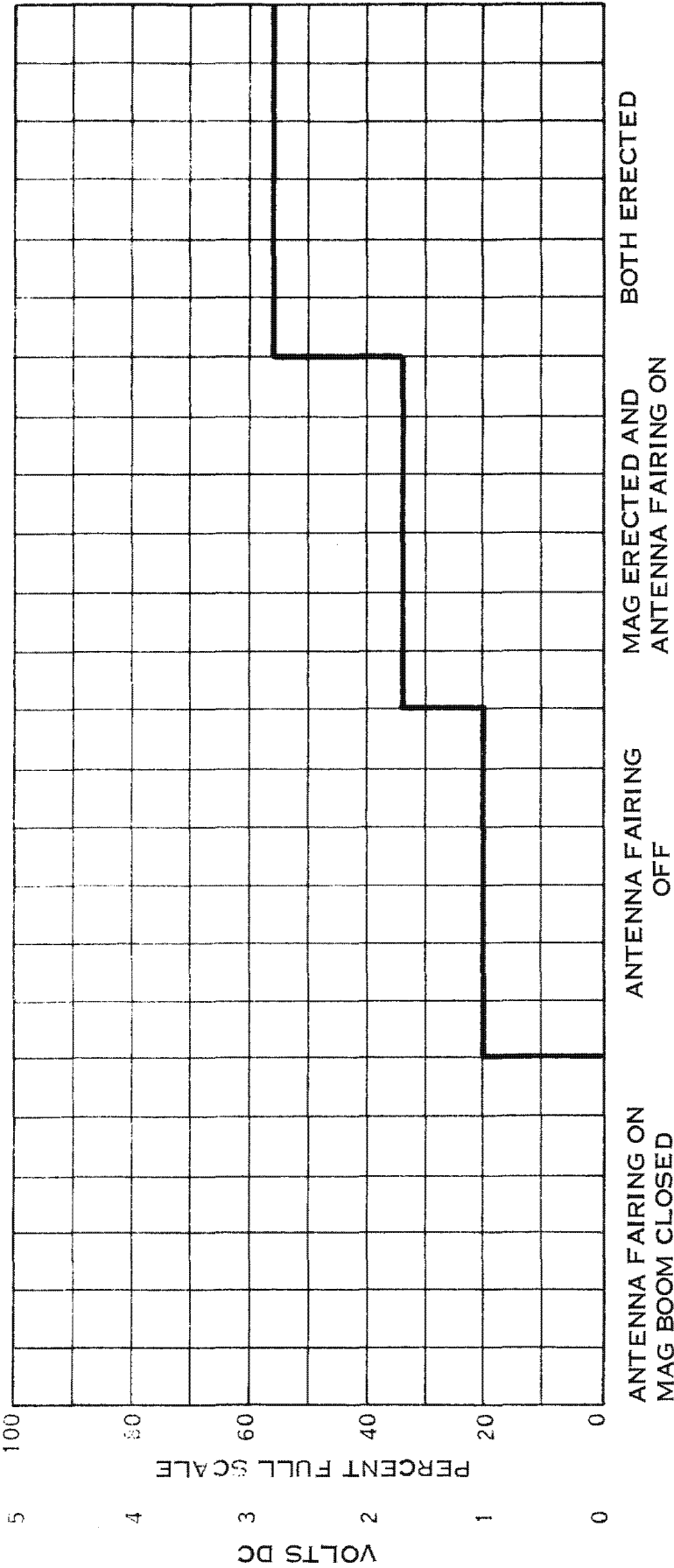


FUNCTION: SEPARATION MONITOR NO. 3 VEHICLE: 988

RANGE: STA/RAD: 78/170° BAND: 13 (14.5 KC)

DRAWING NO: 725E788 G2 SV SECTION: 4 PULSE: 1

"A" NUMBER: 760 DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC

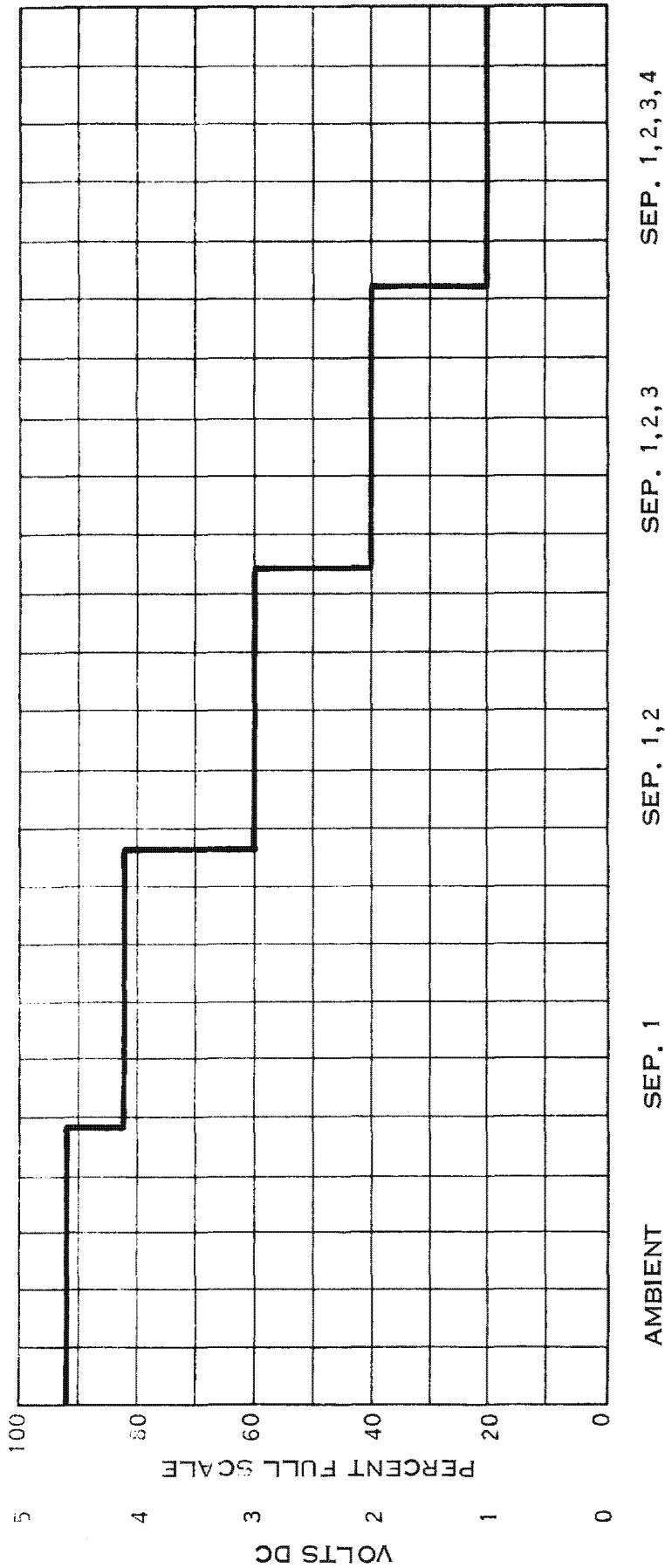


FUNCTION: ANTENNA/MAGNETOMETER ERECTION VEHICLE: 988

RANGE: STA/RAD: BAND: 13 (14.5 KC)

DRAWING NO: SV SECTION: 6 PULSE: 2

"A" NUMBER: 1976/1978 DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC

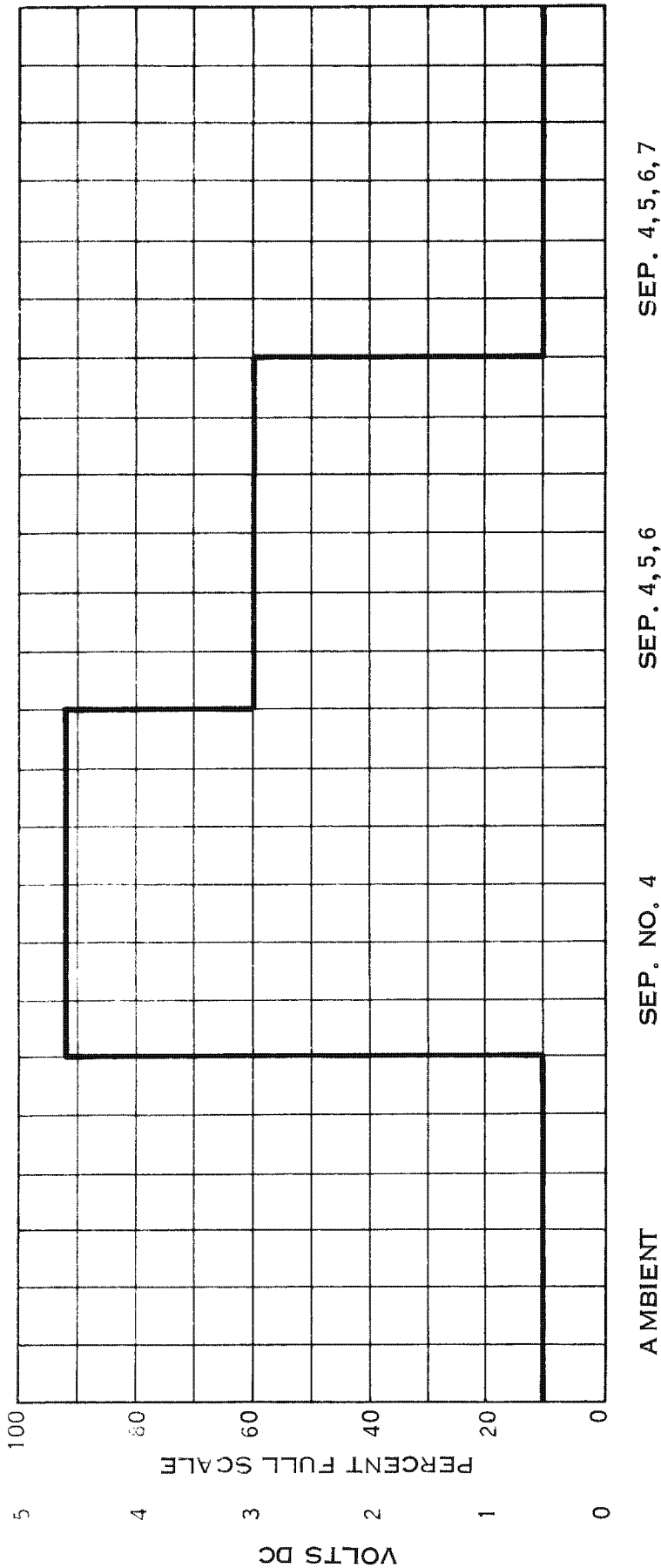


FUNCTION: SEPARATION MONITOR NO. 2 VEHICLE: 988

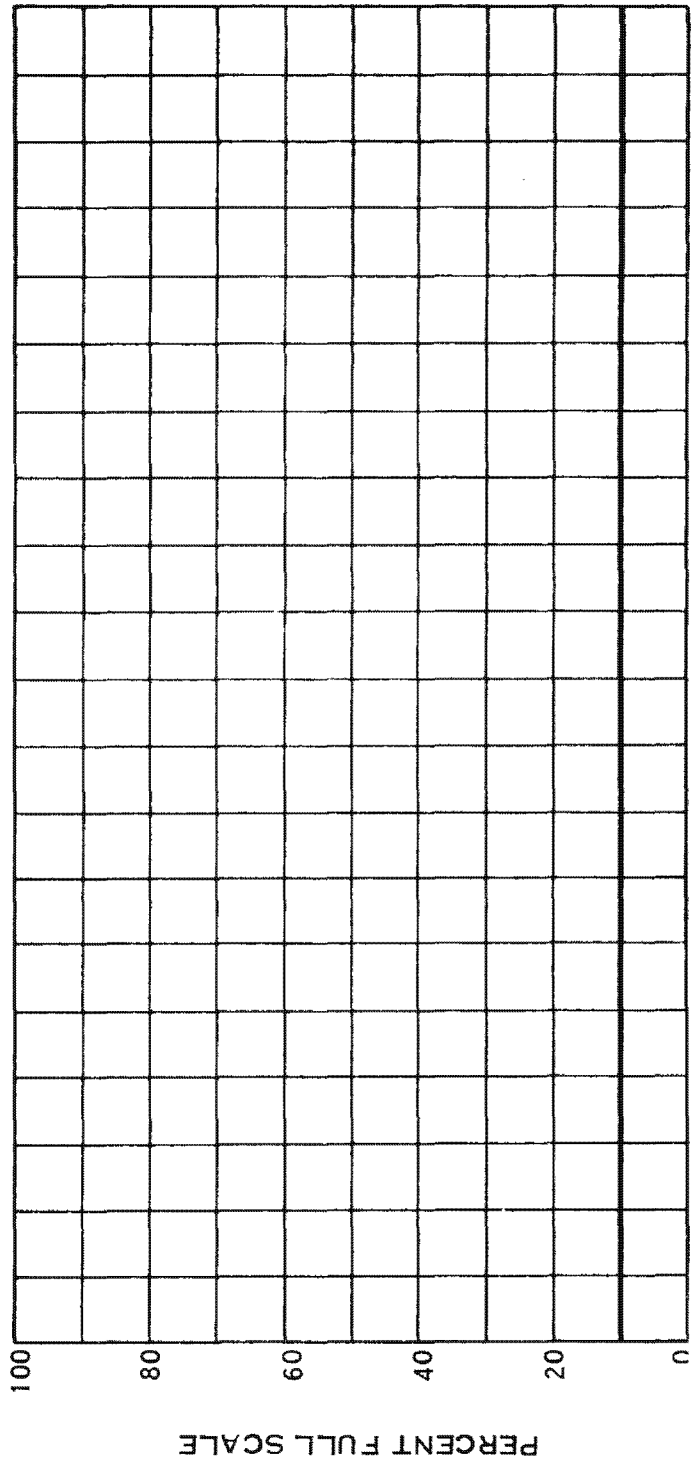
RANGE: STA/RAD: 78/170° BAND: 13 (14.5 KC)

DRAWING NO: 725E288 G2 SV SECTION: 4 PULSE: 3

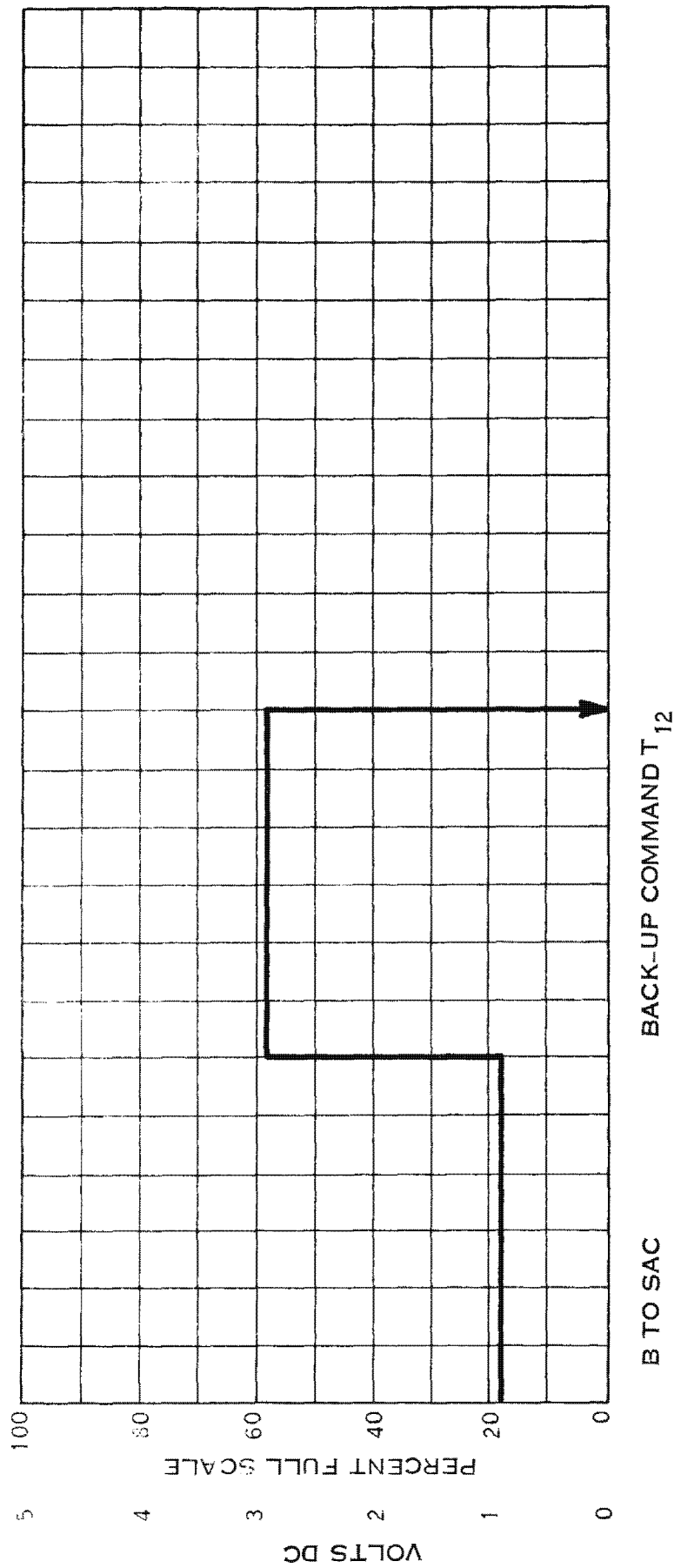
"A" NUMBER: 760 DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC



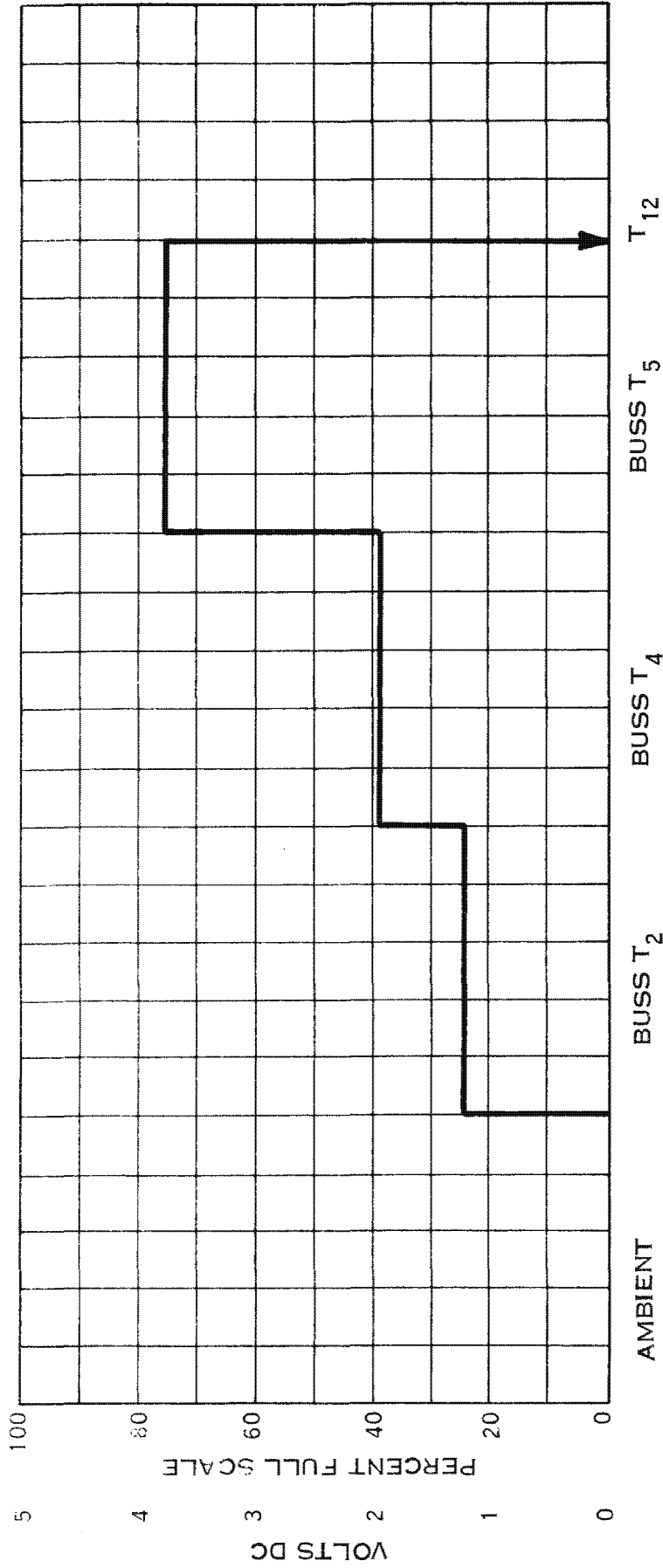
FUNCTION:	SEPARATION MONITOR NO. 4	VEHICLE:	988
RANGE:	STA/RAD: 78/170°	BAND:	13 (14.5 KC)
DRAWING NO:	725E288 G2	PULSE:	4
"A" NUMBER:	760	EXCITATION:	28 VDC
		DATA SOURCE:	SYSTEMS DATA



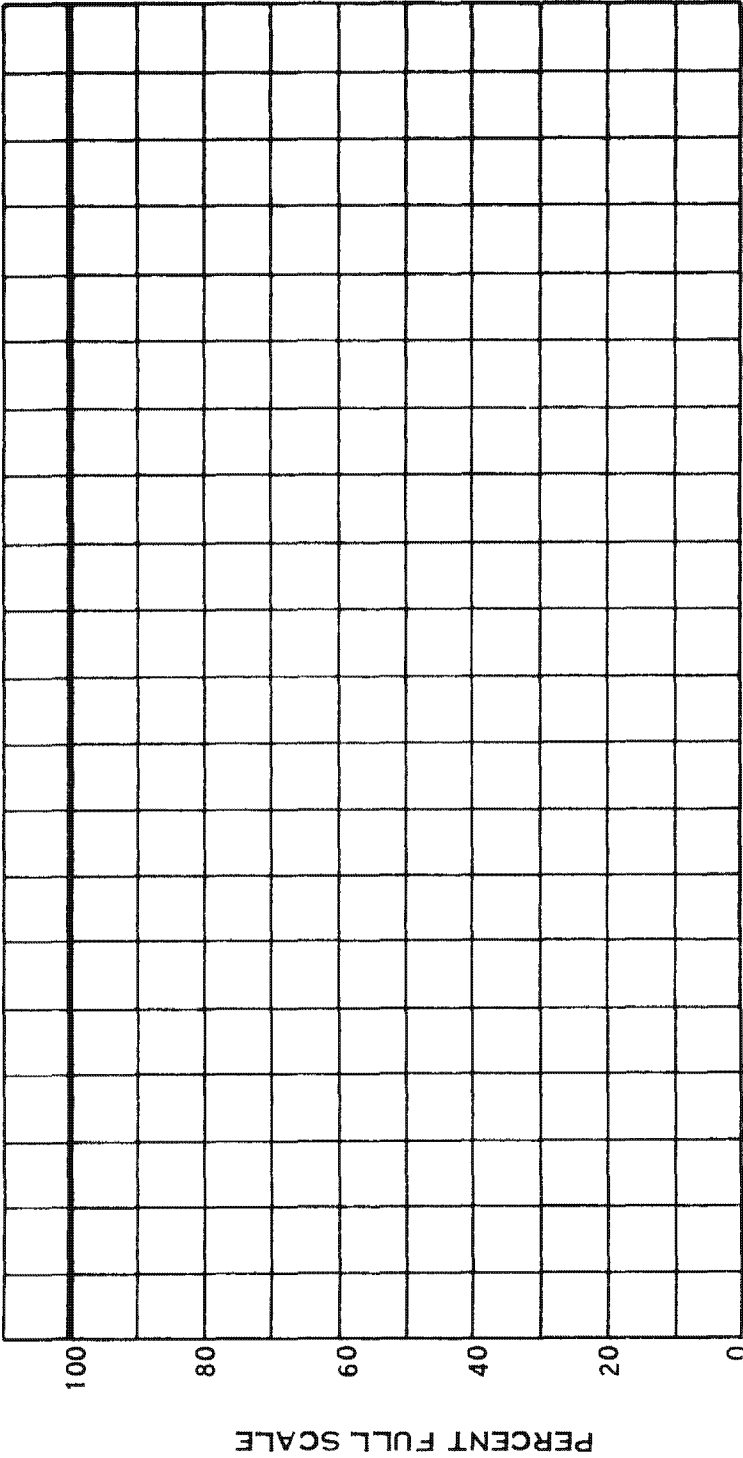
FUNCTION:	CALIBRATION -- 10 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	13 (14.5 KC)
DRAWING NO:	SV SECTION:	PULSE:	5
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION: SEPARATION MONITOR NO. 6 VEHICLE: 988
RANGE: STA/RAD: 154/172° BAND: 13 (14.5 KC)
DRAWING NO: 894D930 G9 SV SECTION: 6 PULSE: 6
"A" NUMBER: 1980 DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC



FUNCTION:	SEPARATION MONITOR NO. 7	VEHICLE:	988
RANGE:	STA/RAD: 154/172°	BAND:	13 (14.5 KC)
DRAWING NO:	894D930 G9	PULSE:	7
"A" NUMBER:	1980	EXCITATION:	28 VDC
	DATA SOURCE: SYSTEMS DATA		



FUNCTION: +5V BUS

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

BAND: 13 (14.5 KC)

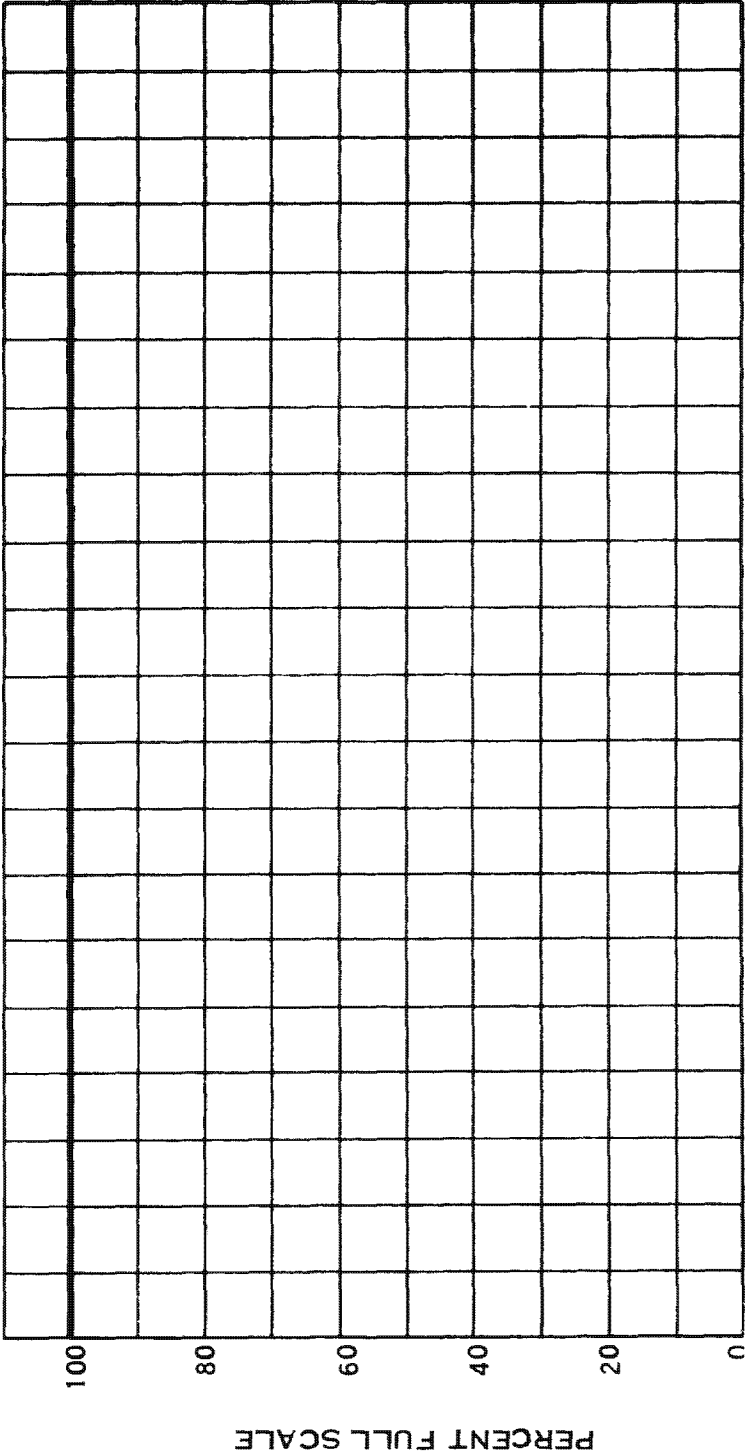
PULSE: 8

EXCITATION:

STA/RAD:

SV SECTION:

DATA SOURCE:



FUNCTION: + 5V BUS

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

BAND: 13 (14.5 KC)

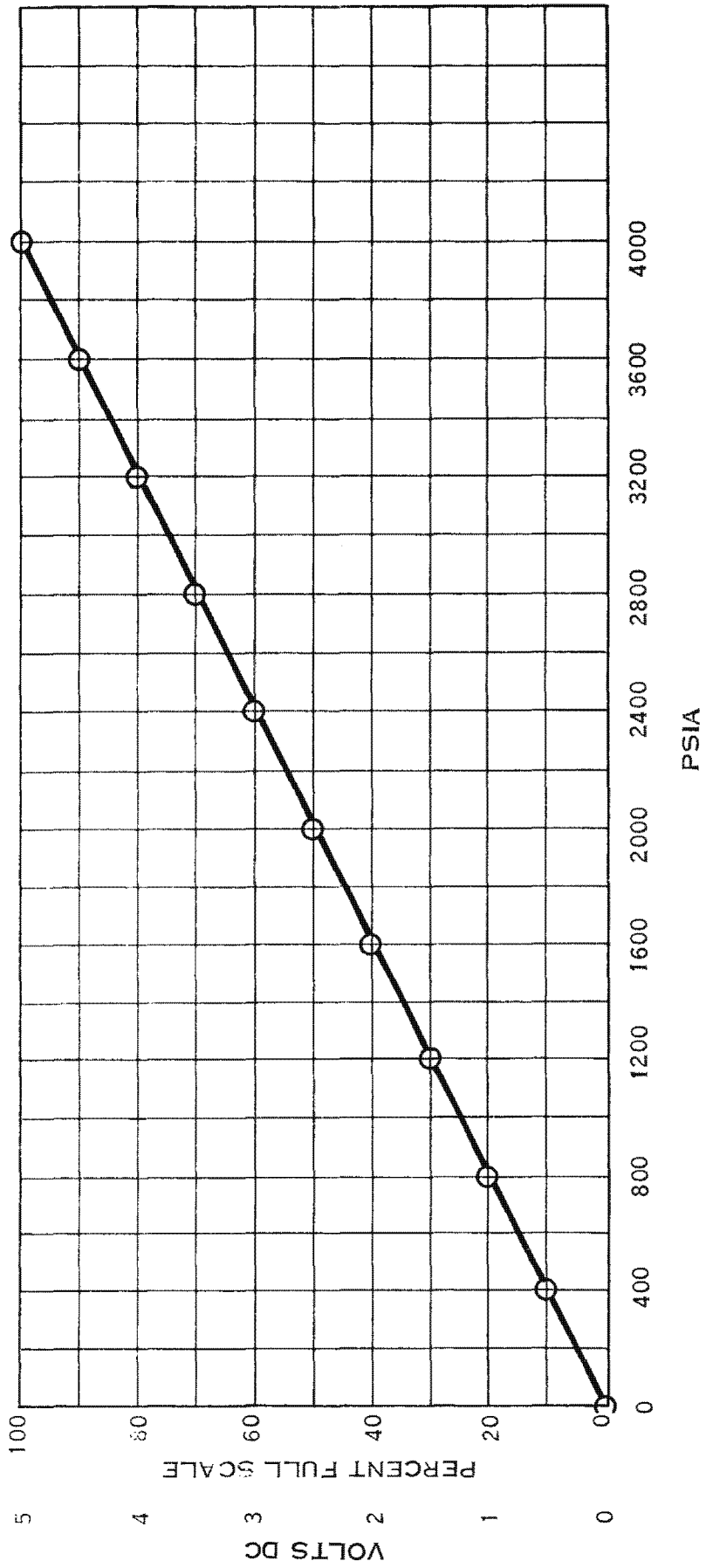
PULSE: 9

EXCITATION:

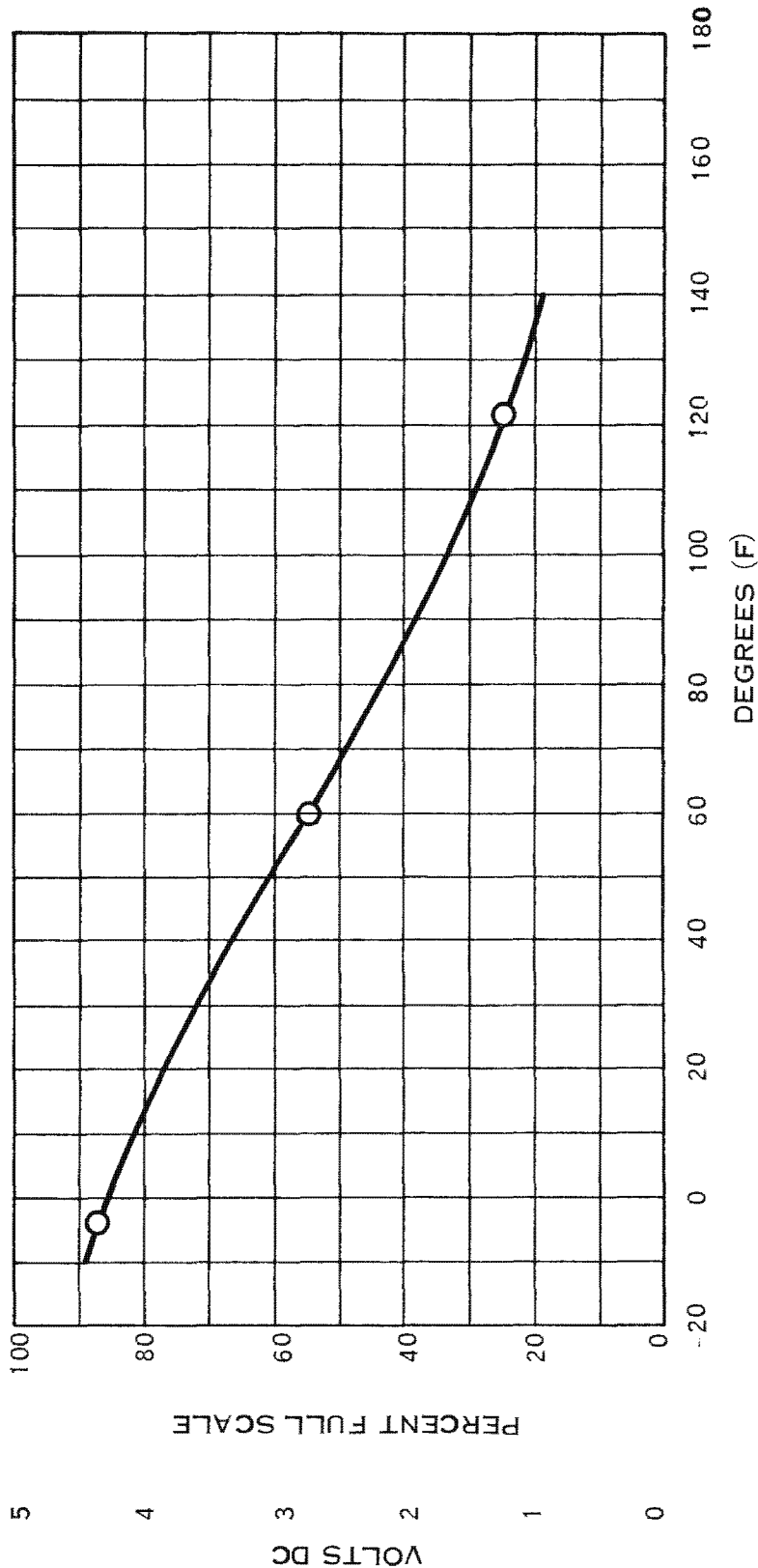
STA/RAD:

SV SECTION:

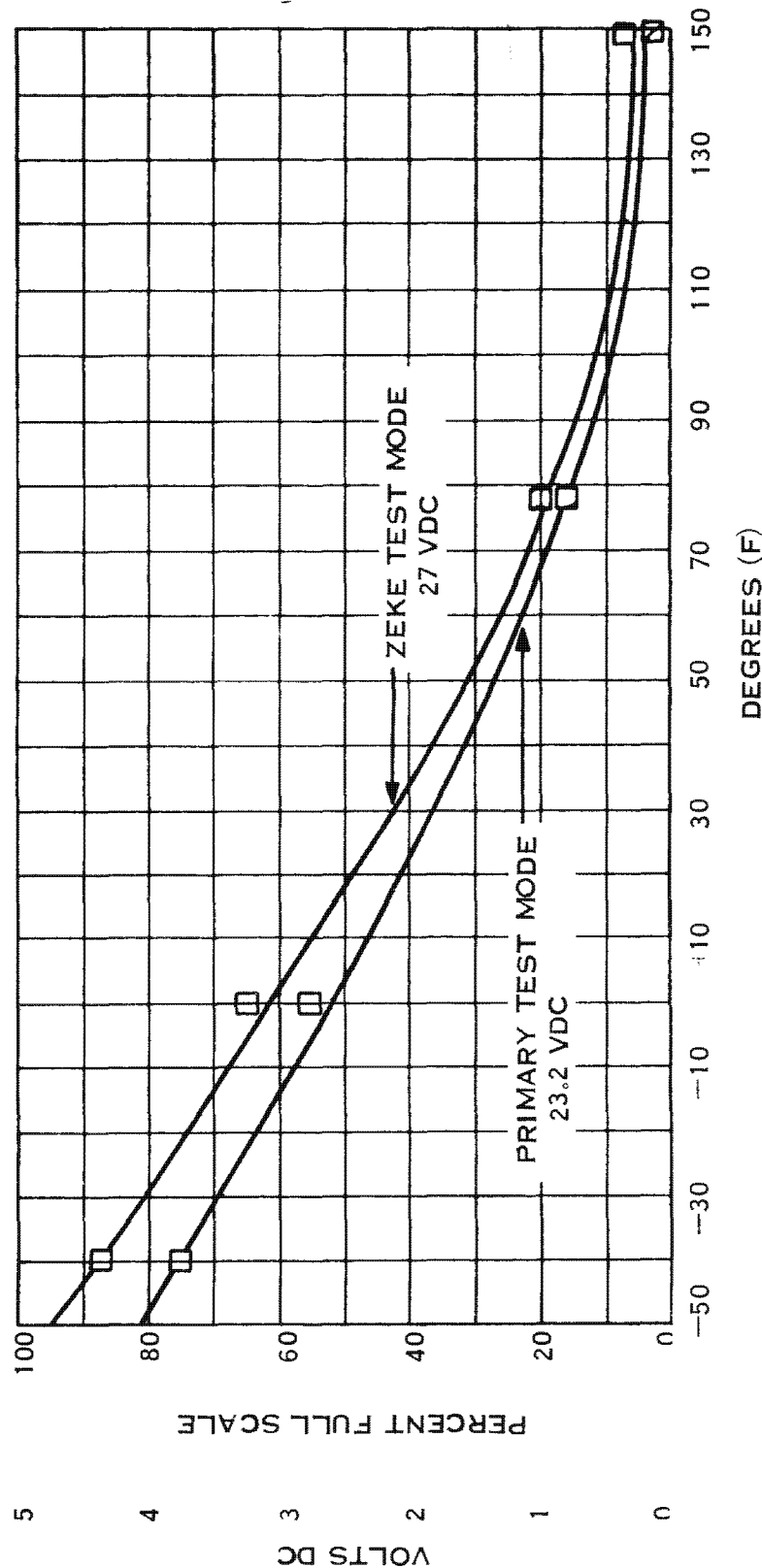
DATA SOURCE:



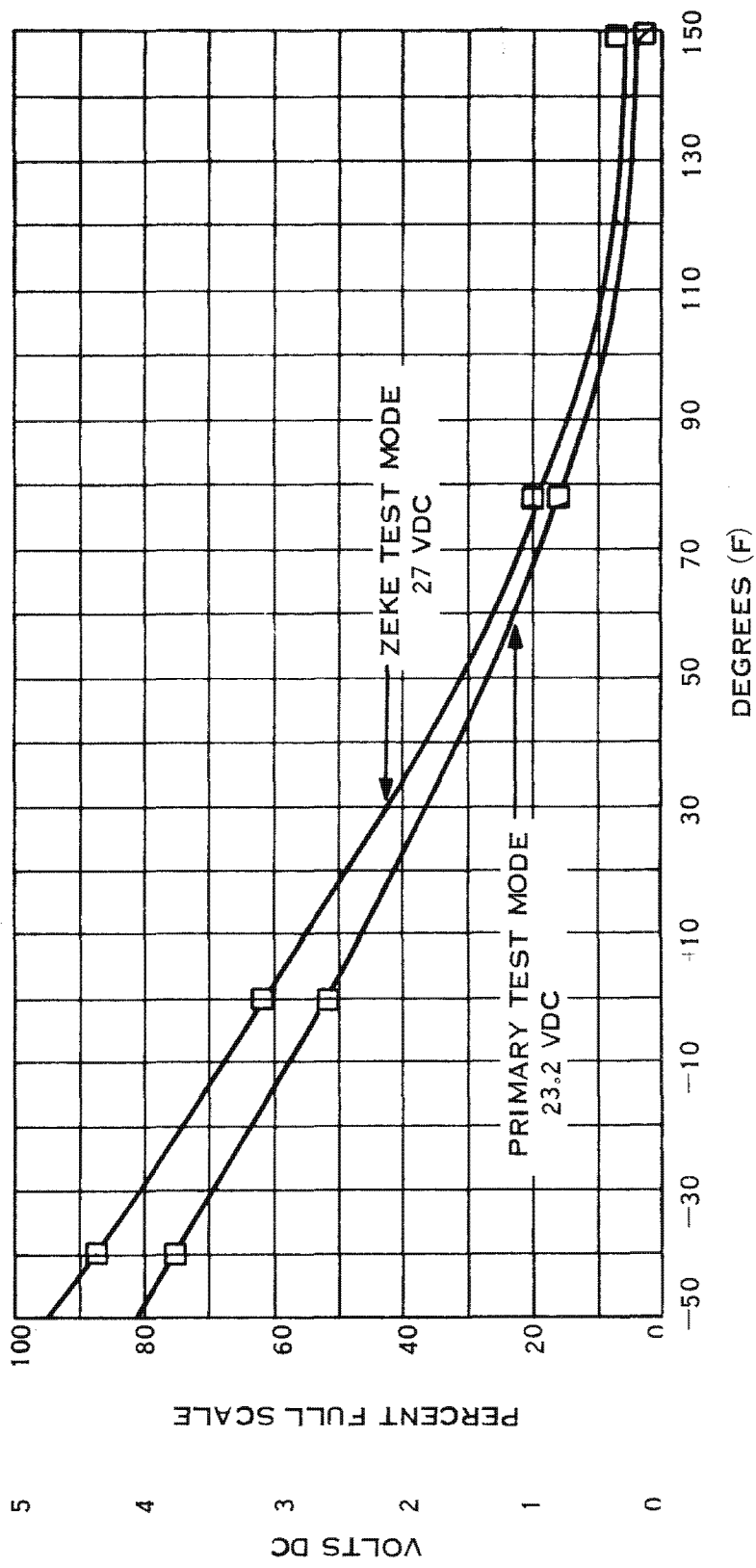
FUNCTION:	PRESSURE, BUSS GAS	VEHICLE:	988
RANGE:	0 TO 4000 PSIA	BAND:	13 (14.5 KC)
DRAWING NO:	1616596-07C	PULSE:	10
"A" NUMBER:	1965	EXCITATION:	28 VDC
		DATA SOURCE:	COMPONENT DATA



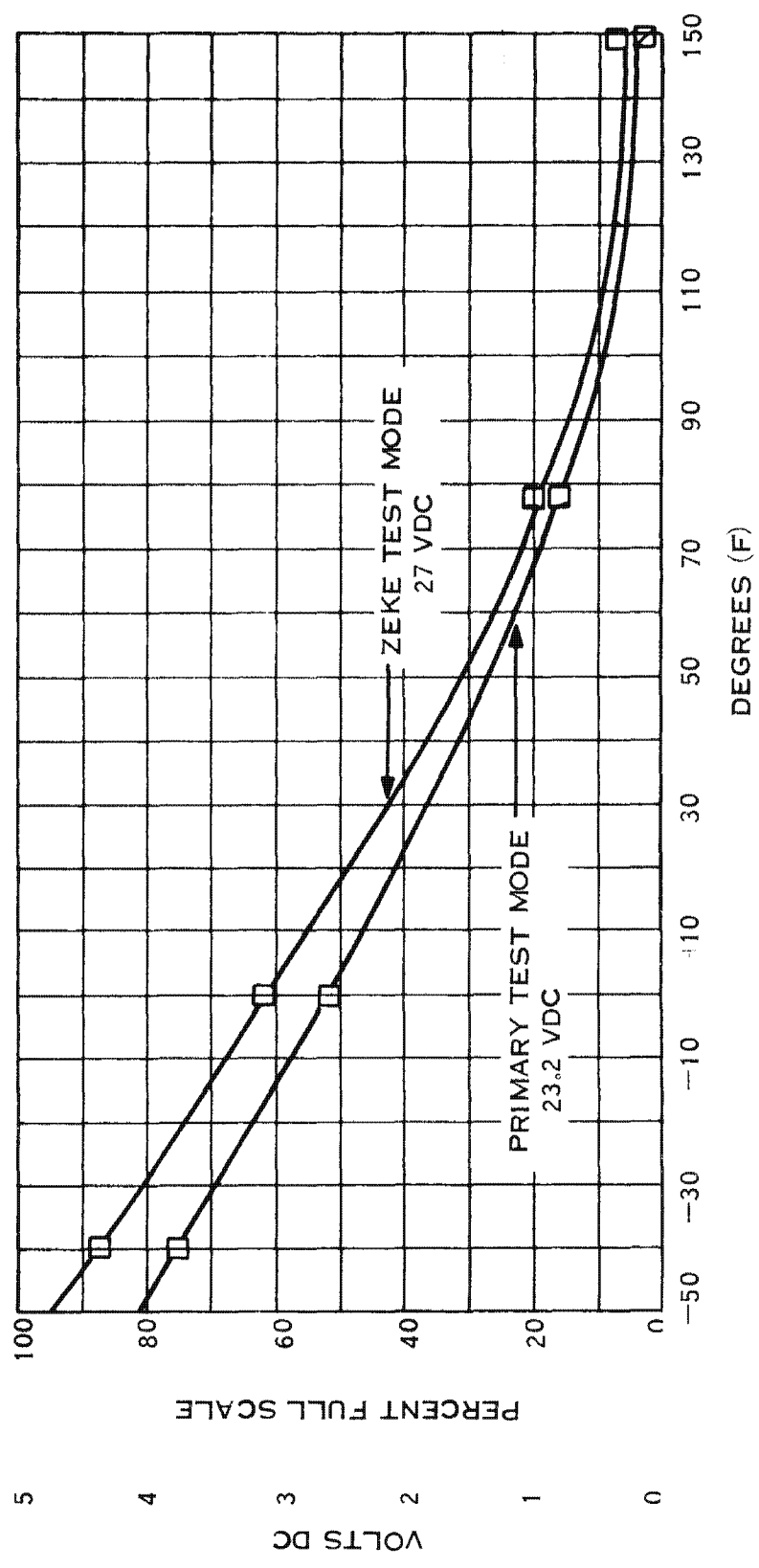
FUNCTION:	TEMPERATURE, BUSS GAS	VEHICLE:	988
RANGE:	0 TO 130 DEGREES F	BAND:	13 (14.5 KC)
DRAWING NO:	115C7533 G1	PULSE:	11
"A" NUMBER:	1966	EXCITATION:	5 VDC
		DATA SOURCE:	COMPONENT DATA



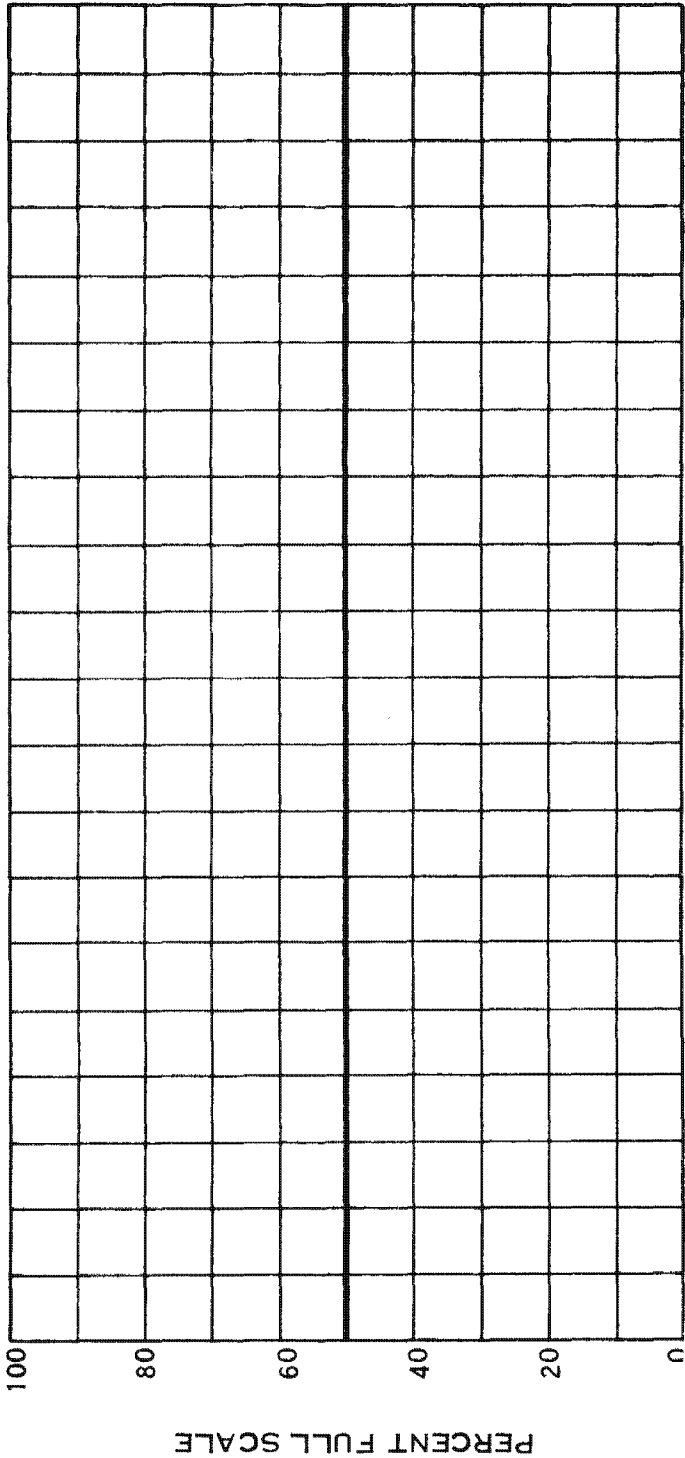
FUNCTION:	MAGNETOMETER ELECTRONICS TEMPERATURE	VEHICLE:	988
RANGE:	-50 TO +150 DEGREES F	BAND:	13 (14.5 KC)
DRAWING NO:	1600397-005	PULSE:	12
"A" NUMBER:	1912	EXCITATION:	27/23.2 VDC
		DATA SOURCE:	



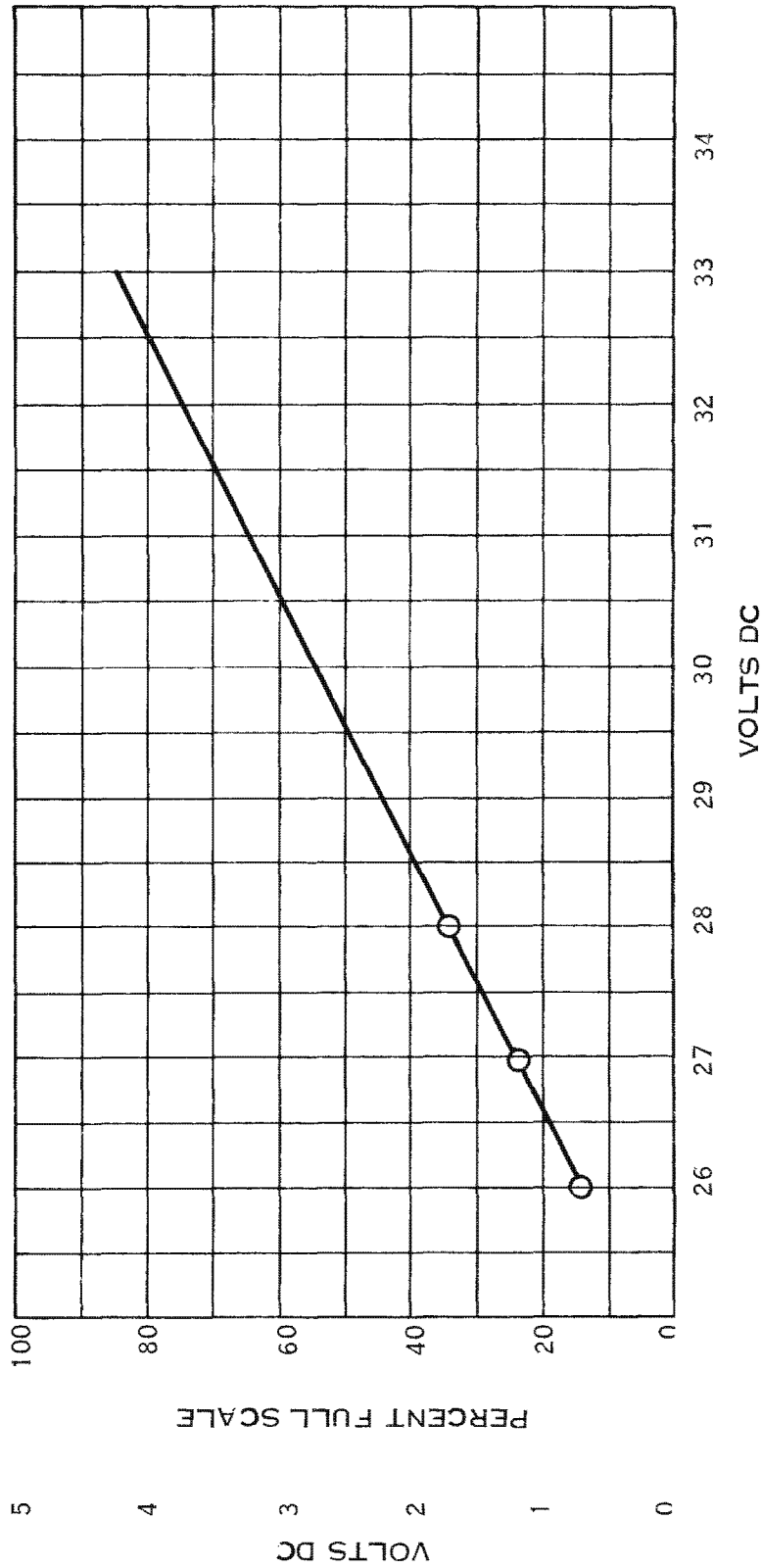
FUNCTION:	TEMPERATURE, F/C ELECTRONICS	VEHICLE:	988
RANGE:	-50 TO +150 DEGREES F	BAND:	13 (14.5 KC)
DRAWING NO:	1600397-005	PULSE:	13
"A" NUMBER:	1913	EXCITATION:	27/23.2 VDC
		DATA SOURCE:	



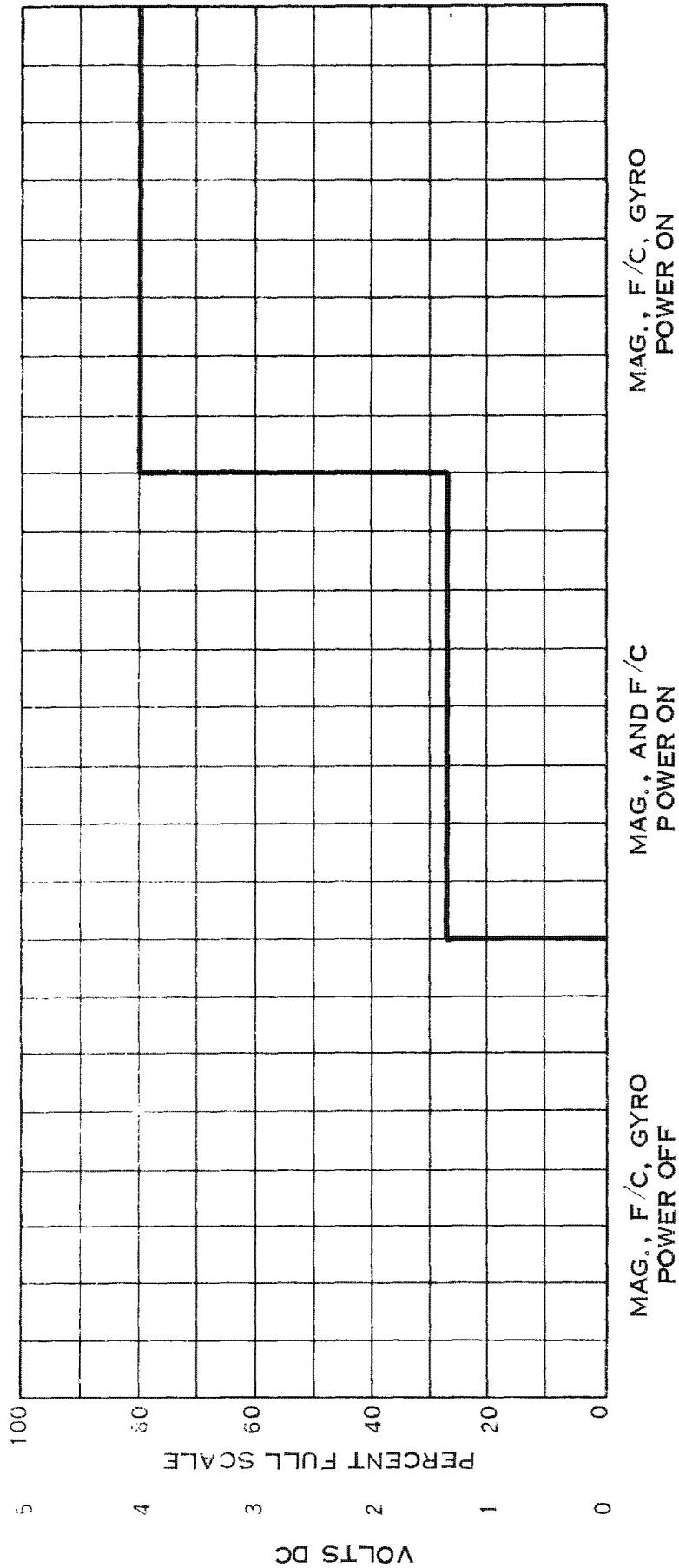
FUNCTION:	TEMPERATURE, AUXILIARY TIMER	VEHICLE:	988
RANGE:	-50 TO +150 DEGREES F	BAND:	13 (14.5 KC)
DRAWING NO:	1600397-005	PULSE:	14
"A" NUMBER:	1914	EXCITATION:	27/23.2 VDC
		DATA SOURCE:	



FUNCTION:	CALIBRATION — 50 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	13 (14.5 KC)
DRAWING NO:	SV SECTION:	PULSE:	15
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION:	VOLTAGE MONITOR (BUSS)			VEHICLE:	988
RANGE:	26 TO 33 VDC	STA/RAD:	216/Q II	BAND:	13 (14.5 KC)
DRAWING NO:	115C7207 G1	SV SECTION:	6.1	PULSE:	16
"A" NUMBER:	1915	DATA SOURCE:	SYSTEMS DATA	EXCITATION:	



FUNCTION: POWER MONITOR

RANGE:

DRAWING NO: 1373069-509

"A" NUMBER: 1930

VEHICLE: 988

STA/RAD: 216/Q III

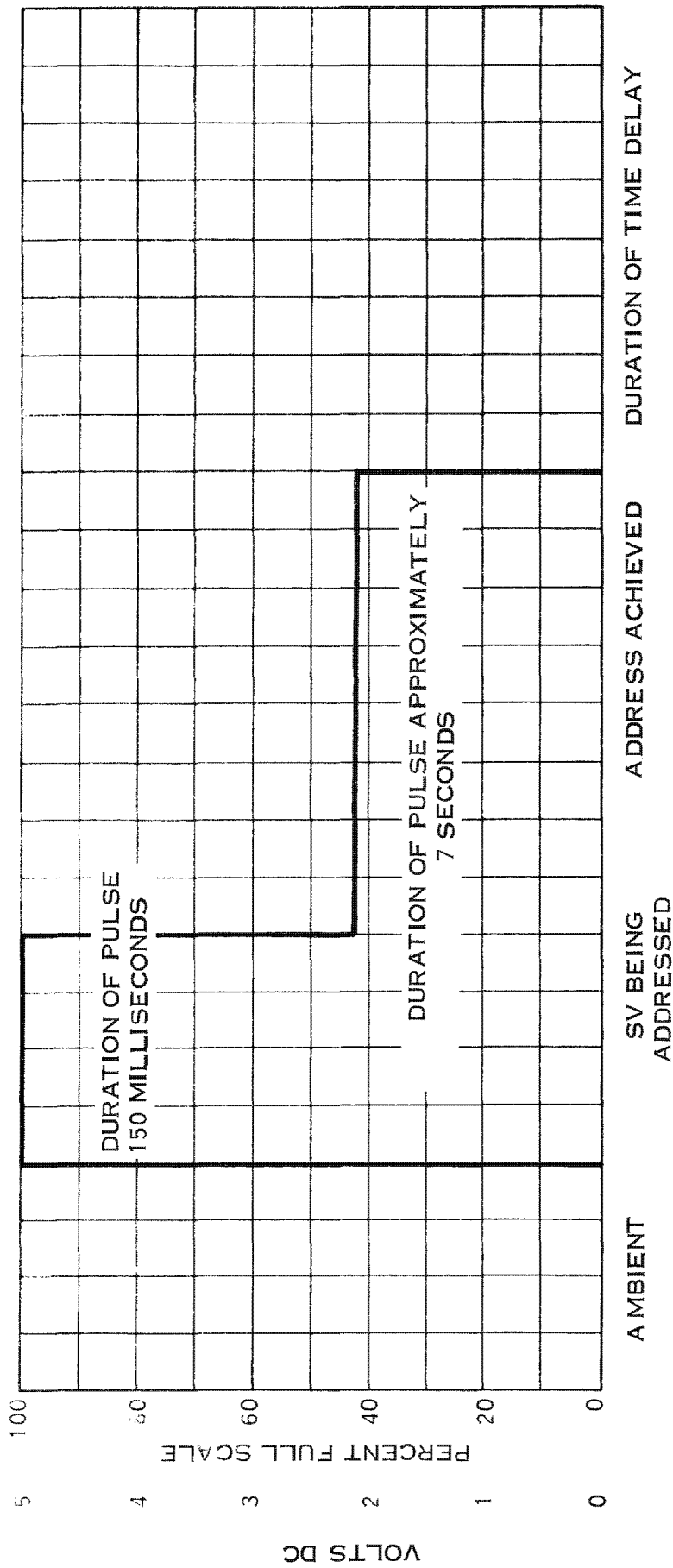
SV SECTION: 6.1

DATA SOURCE: SYSTEMS DATA

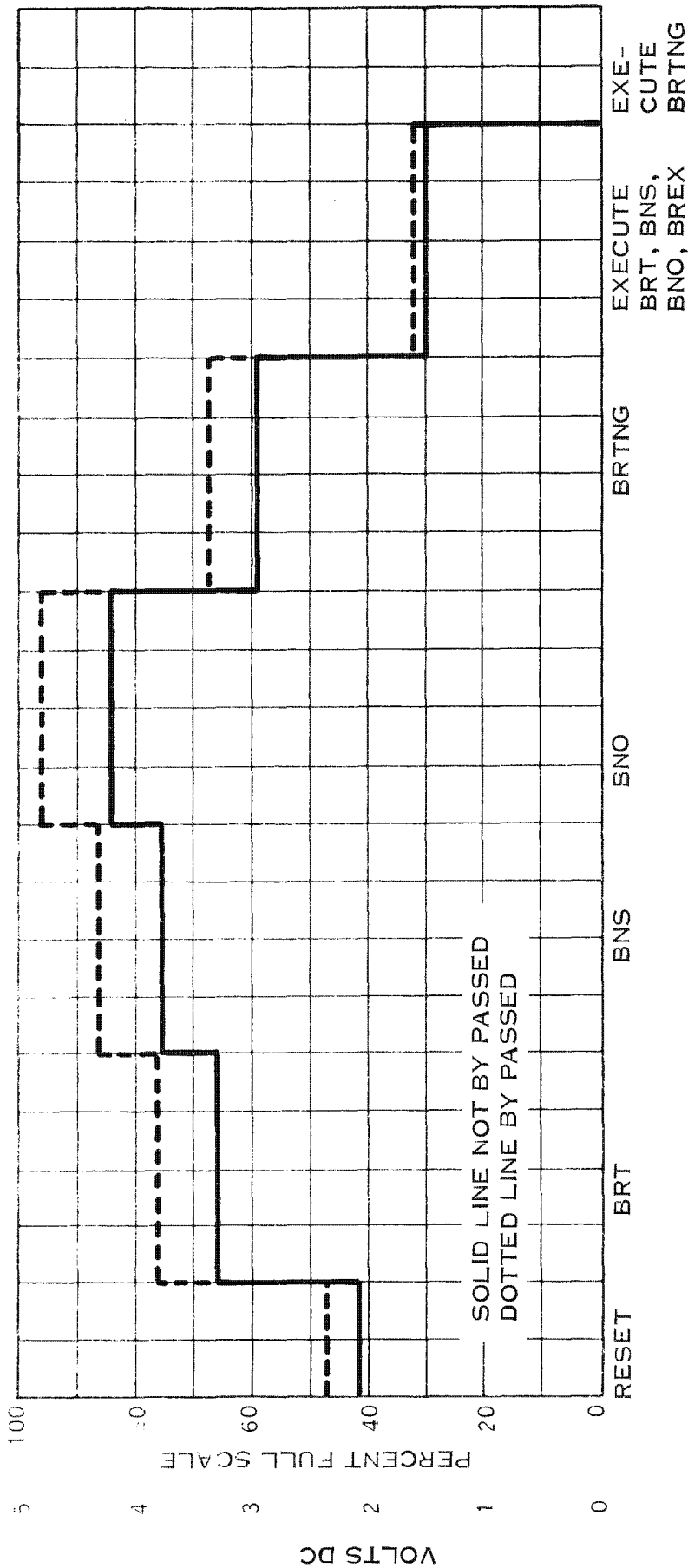
BAND: 13 (14.5 KC)

PULSE: 17

EXCITATION: 28 VDC



FUNCTION:	SELECTIVE ADDRESS MONITOR	VEHICLE:	988
RANGE:	STA/RAD: 204/160°	BAND:	13 (14.5 KC)
DRAWING NO:	114C1736 G2	PULSE:	18
"A" NUMBER:	1938	EXCITATION:	28 VDC
	DATA SOURCE: SYSTEMS DATA		



FUNCTION: MODE MONITOR

RANGE:

DRAWING NO: 1373069-509

"A" NUMBER: 1930

VEHICLE: 988

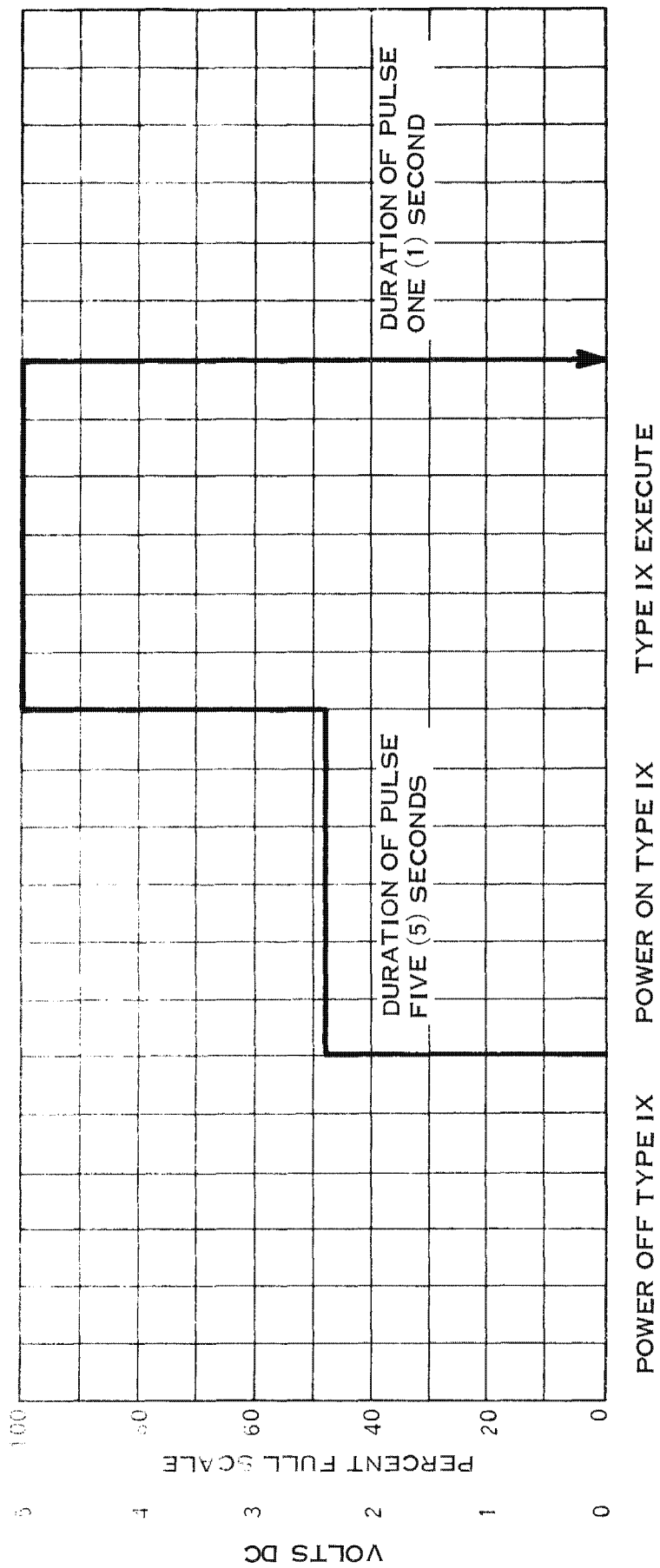
STA/RAD: 216/Q III

BAND: 13 (14.5 KC)

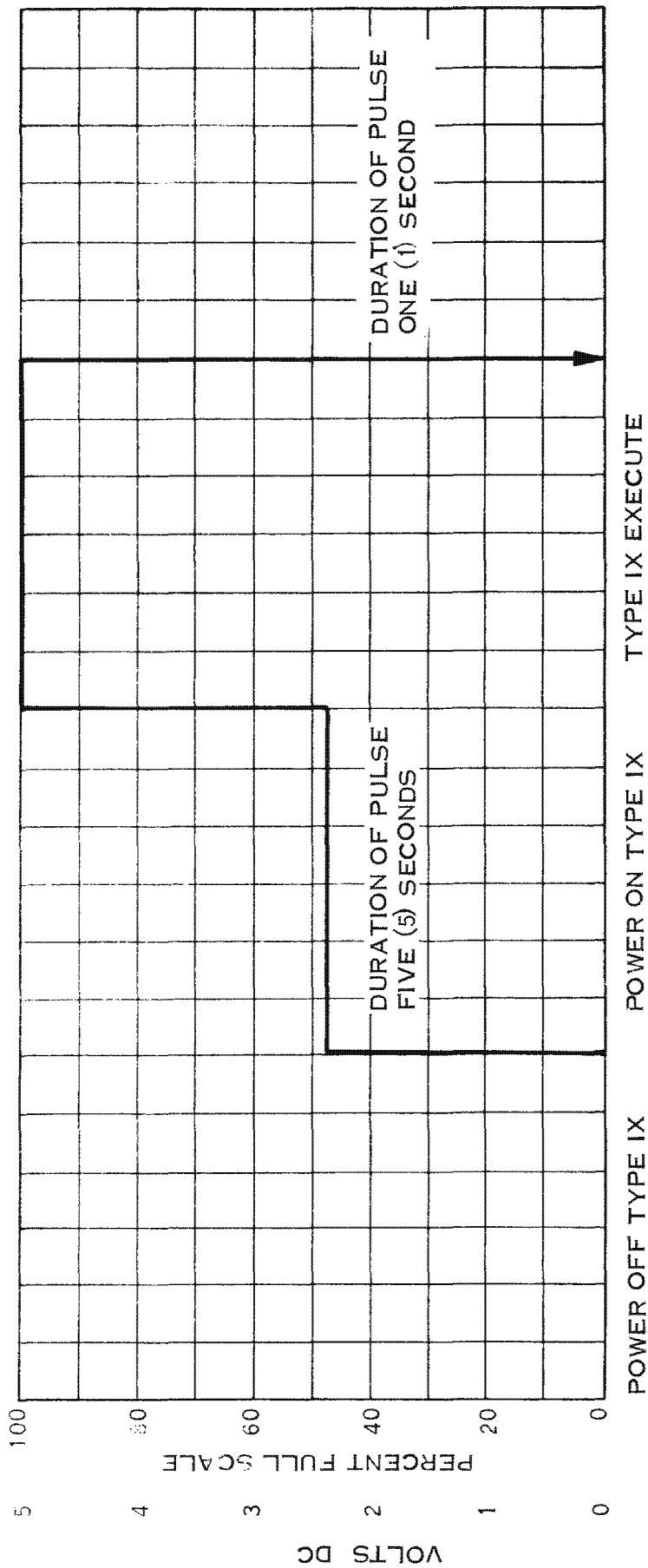
SV SECTION: 6.1

PULSE: 19

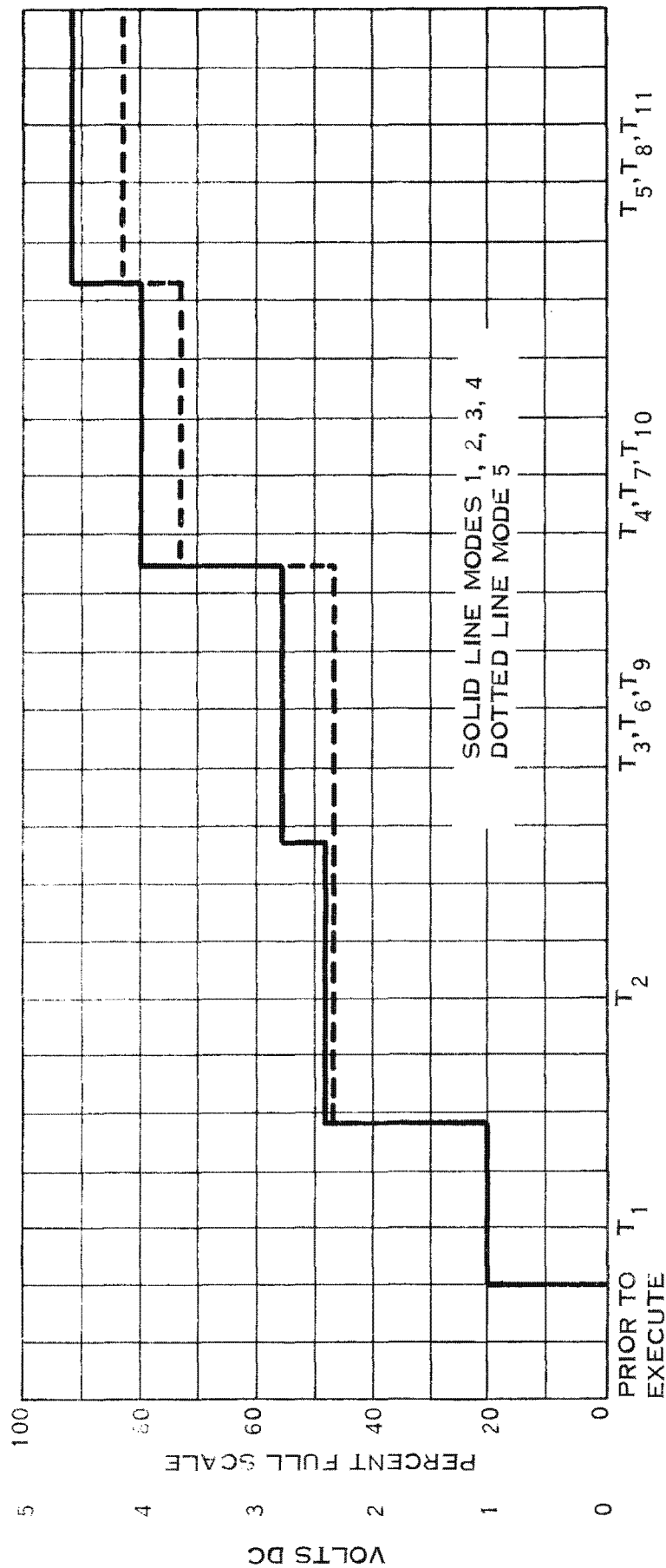
DATA SOURCE: SYSTEMS DATA
EXCITATION: VEHICLE PRIMARY BUSS AT 28 VDC



FUNCTION:	SECURE COMMAND MONITOR — PPD ON	VEHICLE:	988
RANGE:	STA/RAD: 216/135°	BAND:	13 (14.5 KC)
DRAWING NO:	1342192—511	PULSE:	20
"A" NUMBER:	1937	EXCITATION:	28 VDC
		DATA SOURCE:	SYSTEMS DATA



FUNCTION:	SECURE COMMAND MONITOR — BUSS EXECUTE	VEHICLE:	988
RANGE:	STA/RAD: 216/120°	BAND:	13 (14.5 KC)
DRAWING NO:	1342192—511	PULSE:	21
"A" NUMBER:	1936	EXCITATION:	28 VDC
	DATA SOURCE: SYSTEMS DATA		



FUNCTION: EVENT MONITOR

VEHICLE: 988

RANGE:

STA/RAD: 216/Q 111

BAND: 13 (14.5 KC)

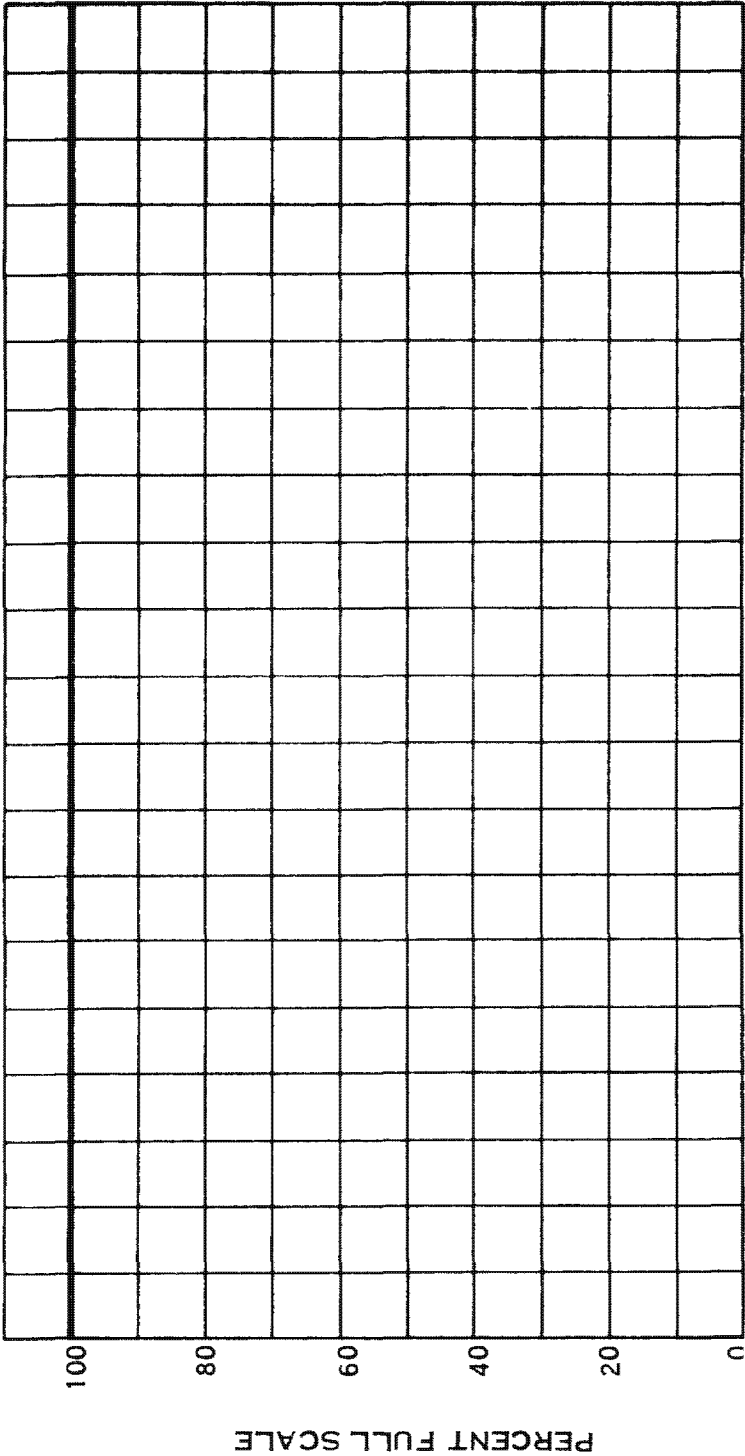
DRAWING NO: 1373069-509

PULSE: 19

"A" NUMBER: 1930

DATA SOURCE: SYSTEMS DATA

EXCITATION: 28 VDC



FUNCTION: +5V BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 13 (14.5 KC)

DRAWING NO:

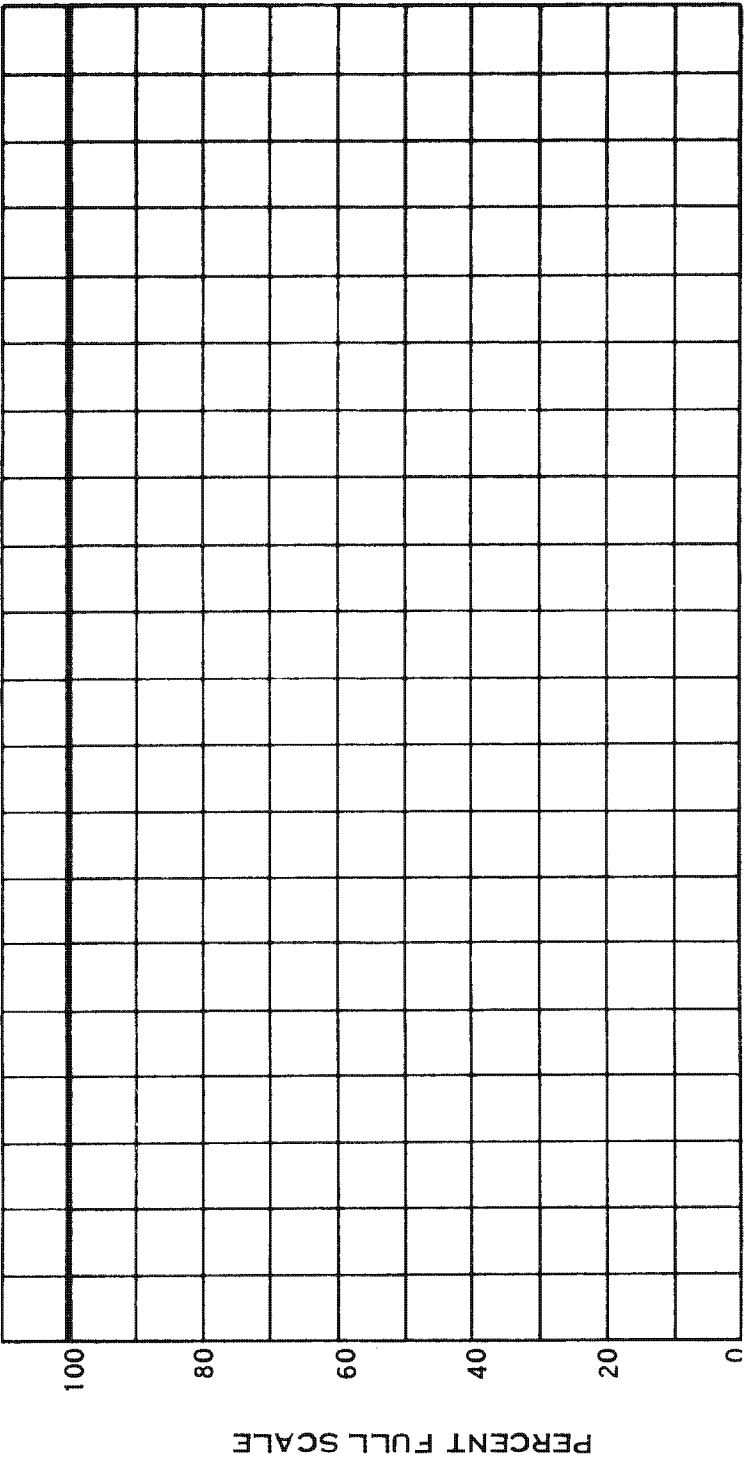
SV SECTION:

PULSE: 23

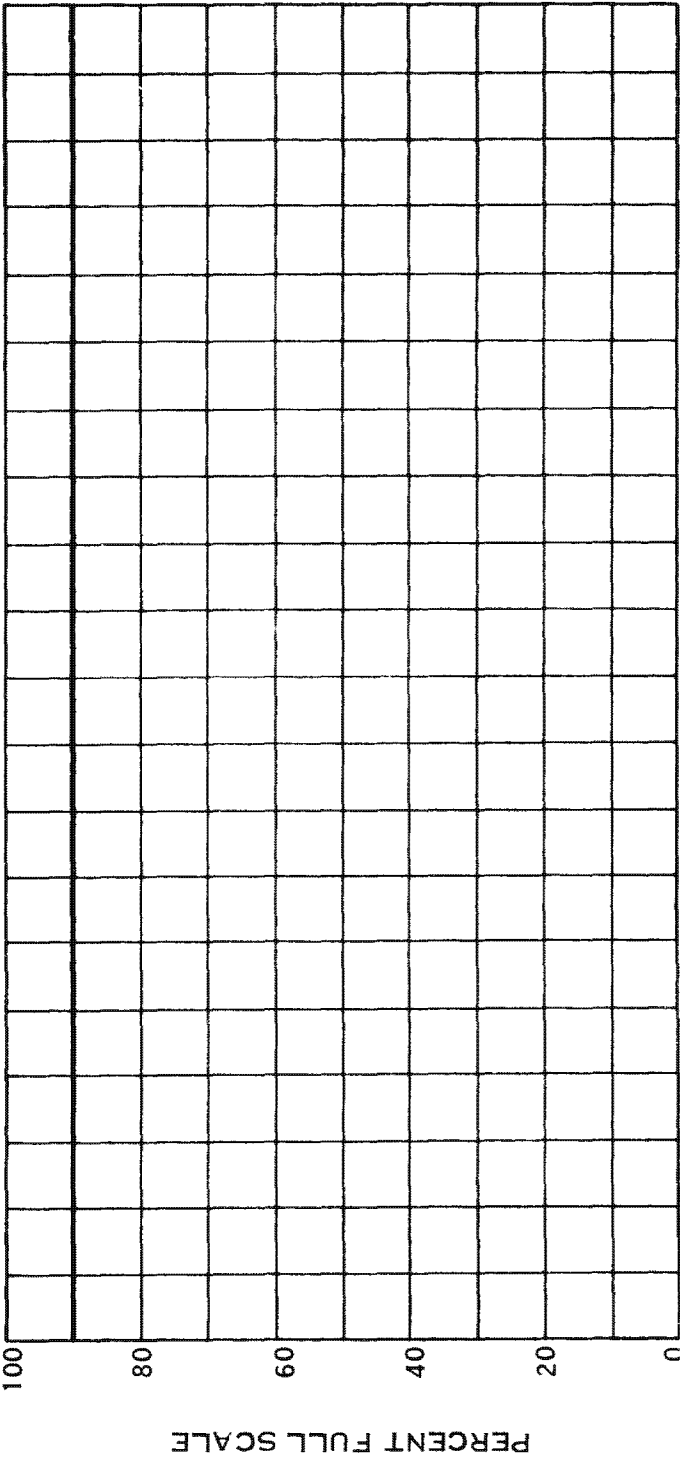
"A" NUMBER:

DATA SOURCE:

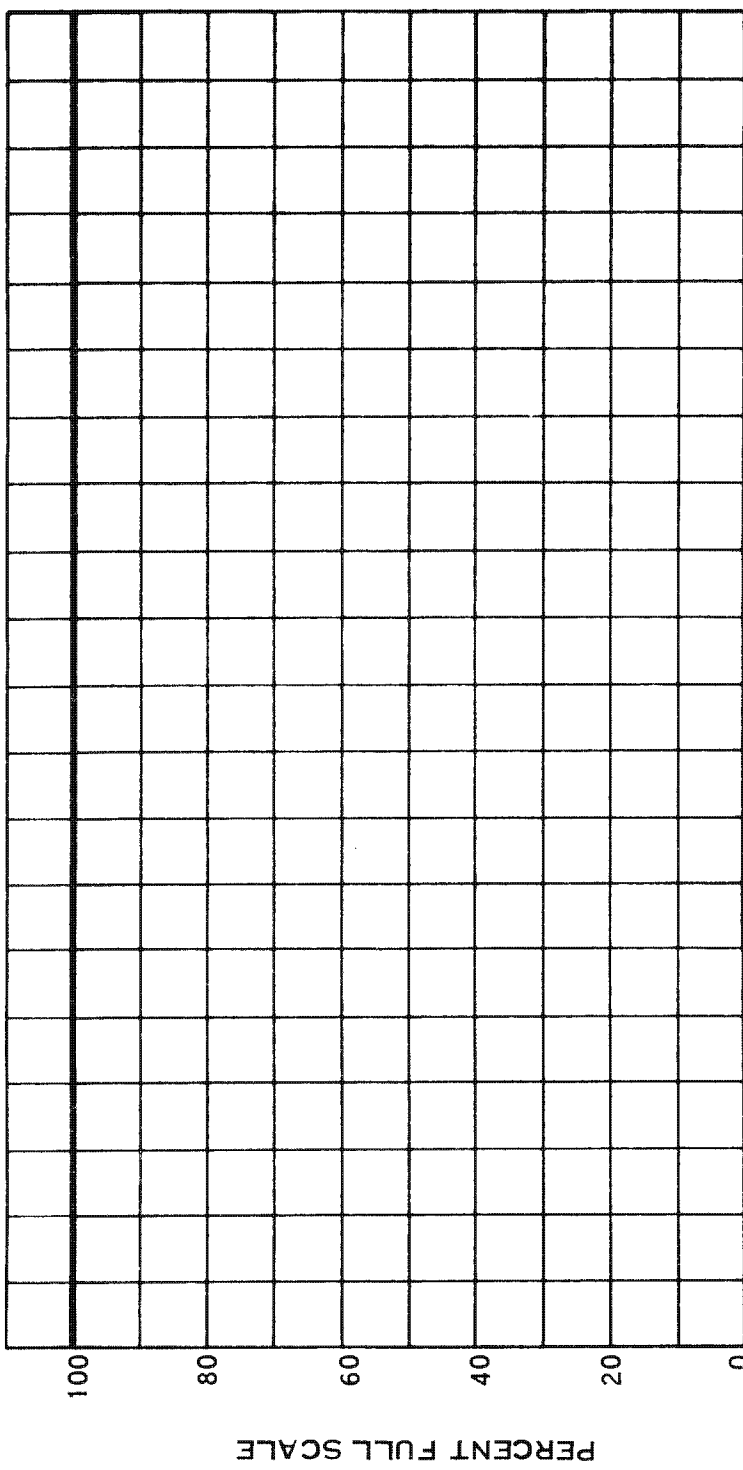
EXCITATION:



FUNCTION:	+ 5V BUS	VEHICLE:	988
RANGE:		BAND:	13 (14.5 KC)
DRAWING NO:		PULSE:	24
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



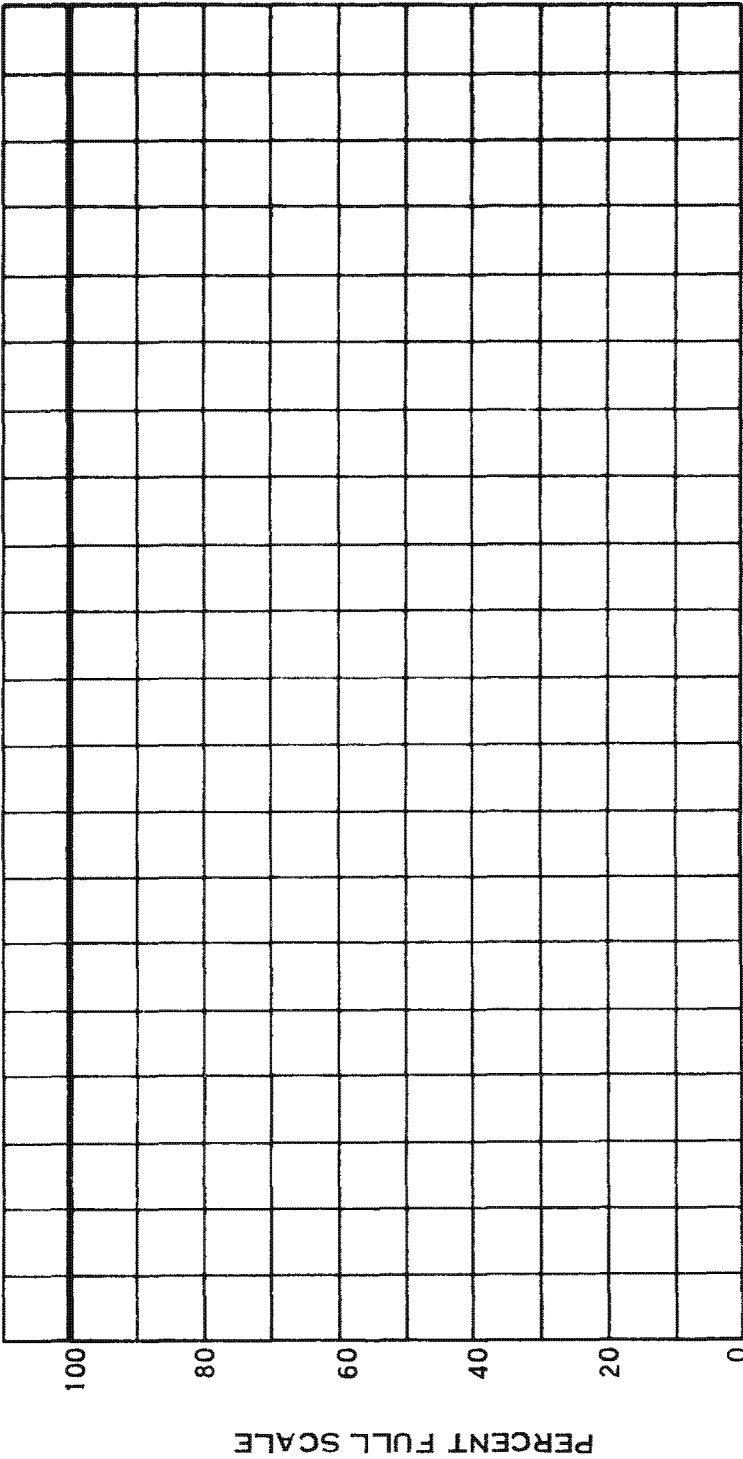
FUNCTION:	CALIBRATION — 90 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	13 (14.5 KC)
DRAWING NO:	SV SECTION:	PULSE:	25
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION:	+ 5 V BUS	VEHICLE:	988
RANGE:		BAND:	13 (14.5 KC)
DRAWING NO:		PULSE:	26
"A" NUMBER:		EXCITATION:	

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FUNCTION: + 5V BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 13 (14.5 KC)

DRAWING NO:

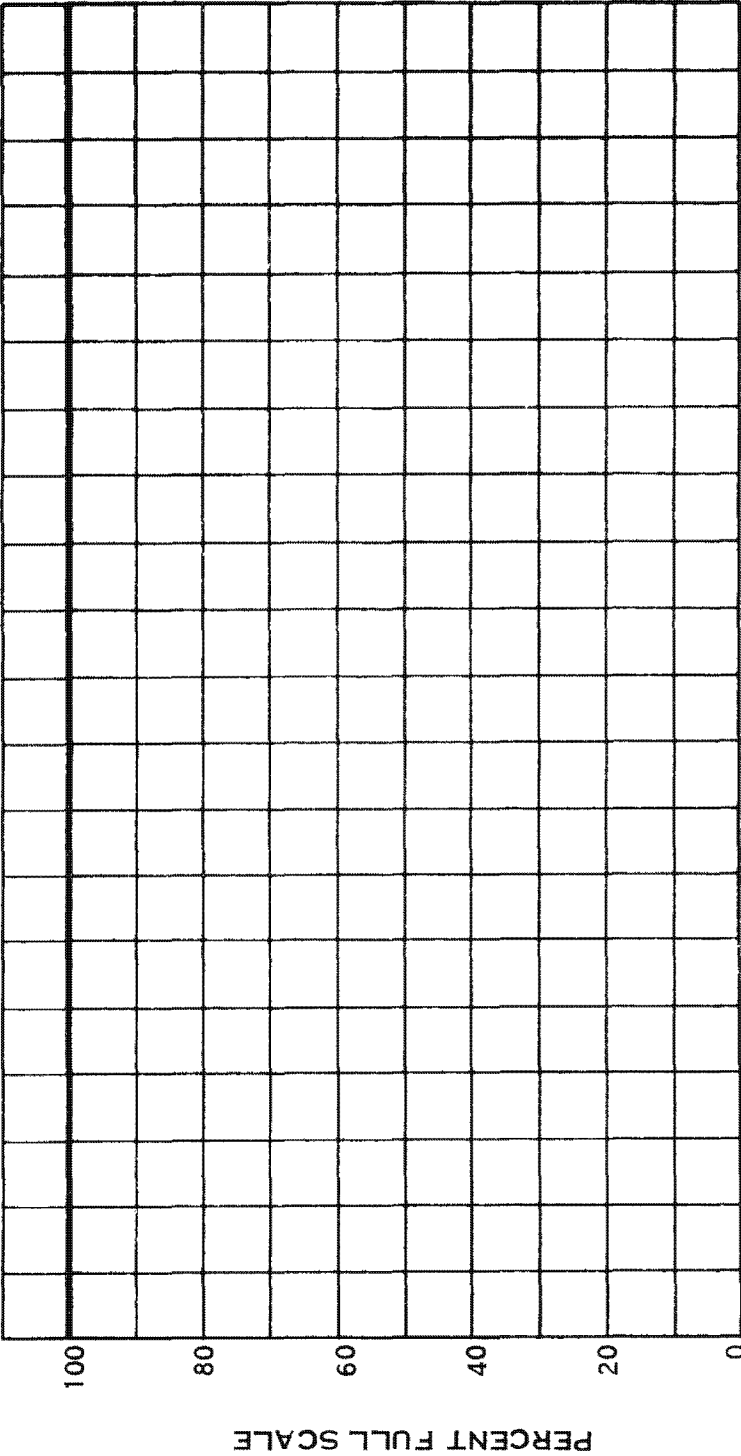
SV SECTION:

PULSE: 27

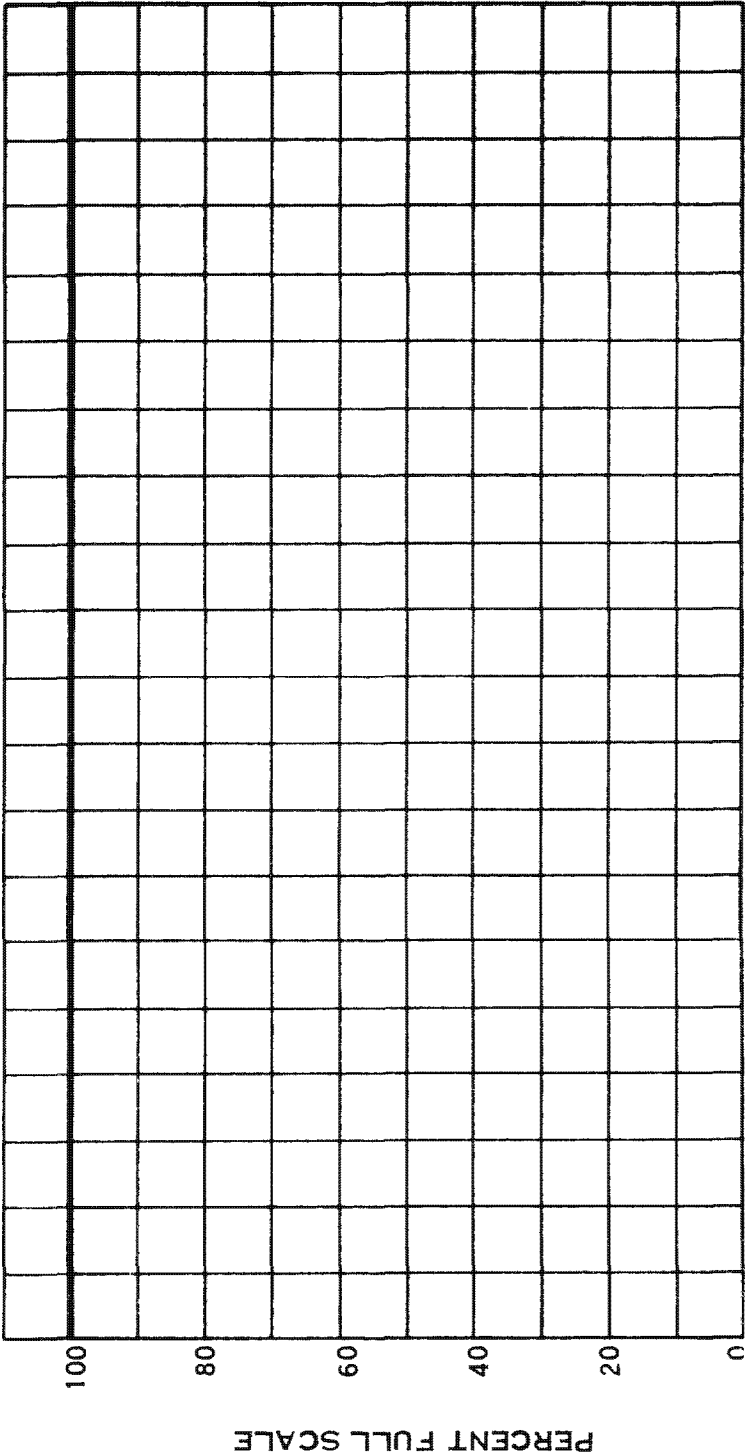
"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION:	+ 5V BUS	VEHICLE:	988
RANGE:		BAND:	13 (14.5 KC)
DRAWING NO:		PULSE:	28
"A" NUMBER:		EXCITATION:	



FUNCTION: FRAME SYNC

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

BAND: 13 (14.5 KC)

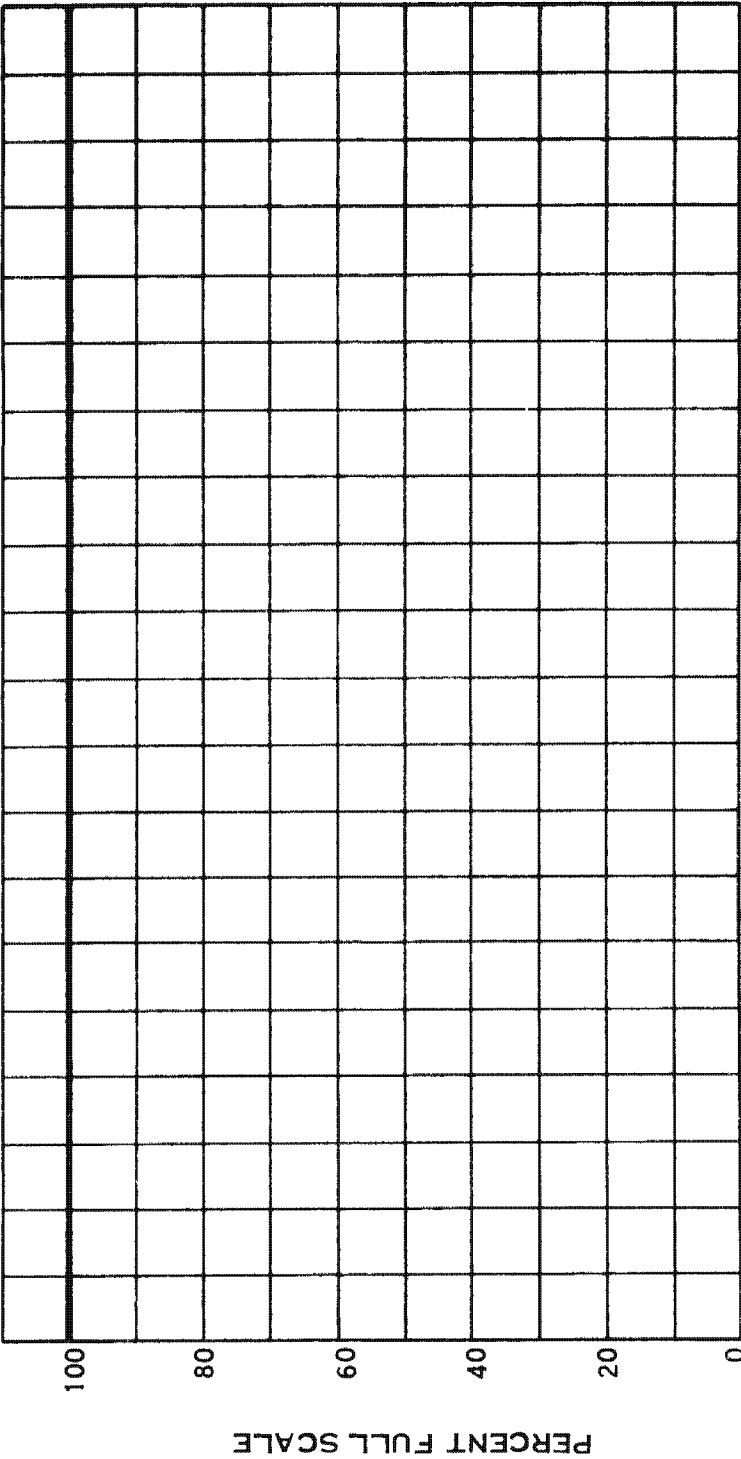
PULSE: 29

EXCITATION:

STA/RAD:

SV SECTION:

DATA SOURCE:



FUNCTION: FRAME SYNC

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 13 (14.5 KC)

DRAWING NO:

SV SECTION:

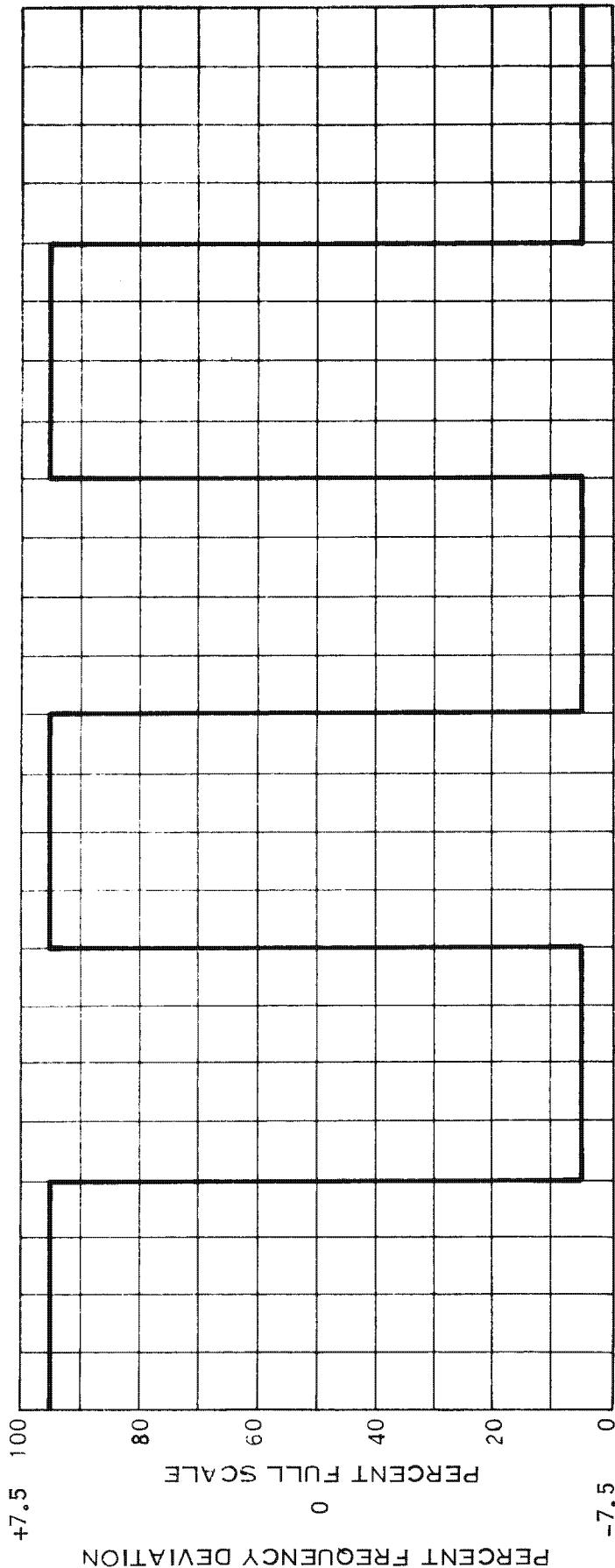
PULSE: 30

"A" NUMBER:

DATA SOURCE:

EXCITATION:

BAND 14
22.0 KC



INHIBIT LEVELS

FUNCTION: L.H. PRE-AMP

RANGE: STA/RAD: 216/205°

DRAWING NO: 895D742 P2 SV SECTION: 6.1

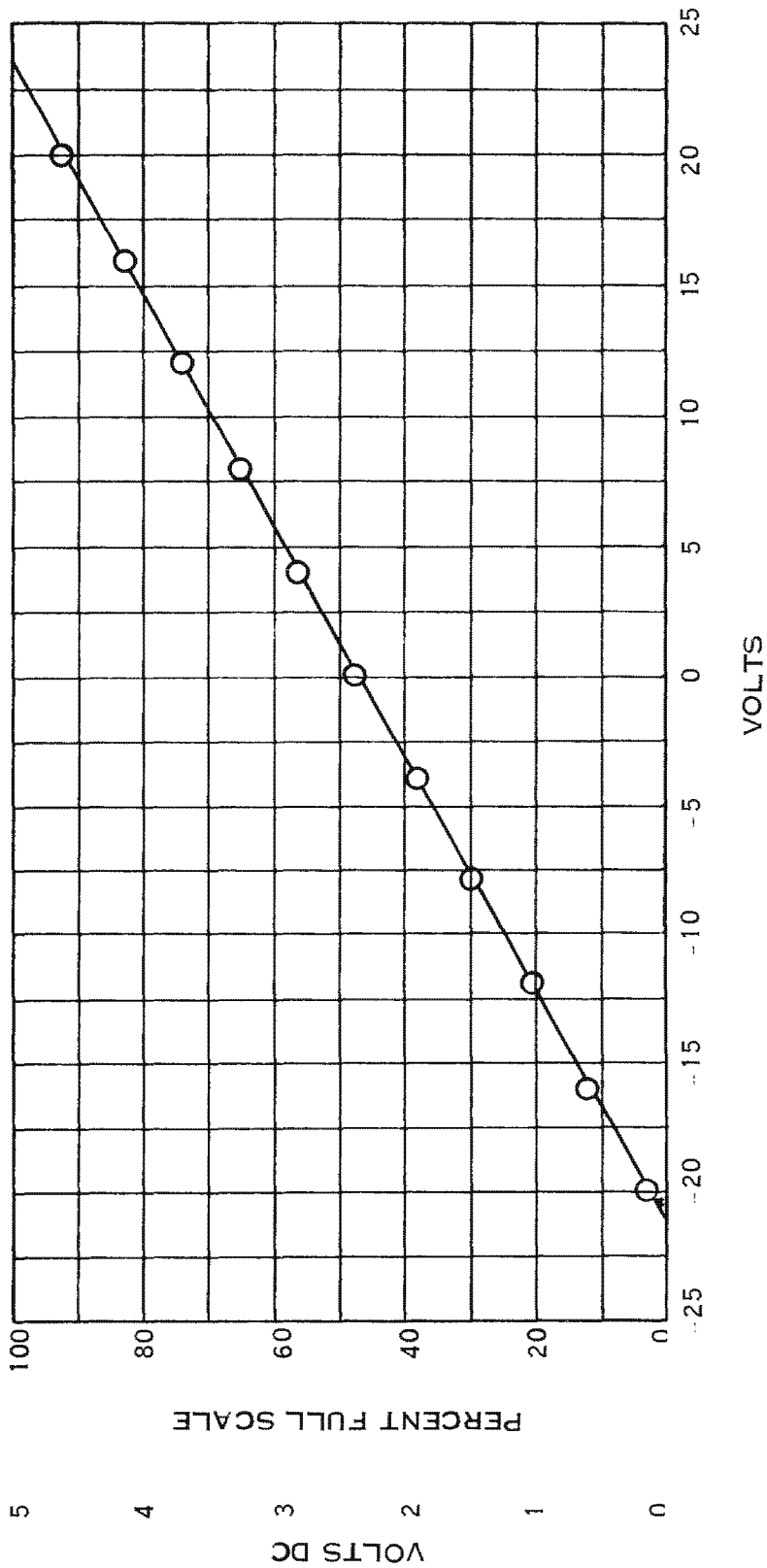
"A" NUMBER: 1016 DATA SOURCE: COMPONENT DATA

VEHICLE: 988

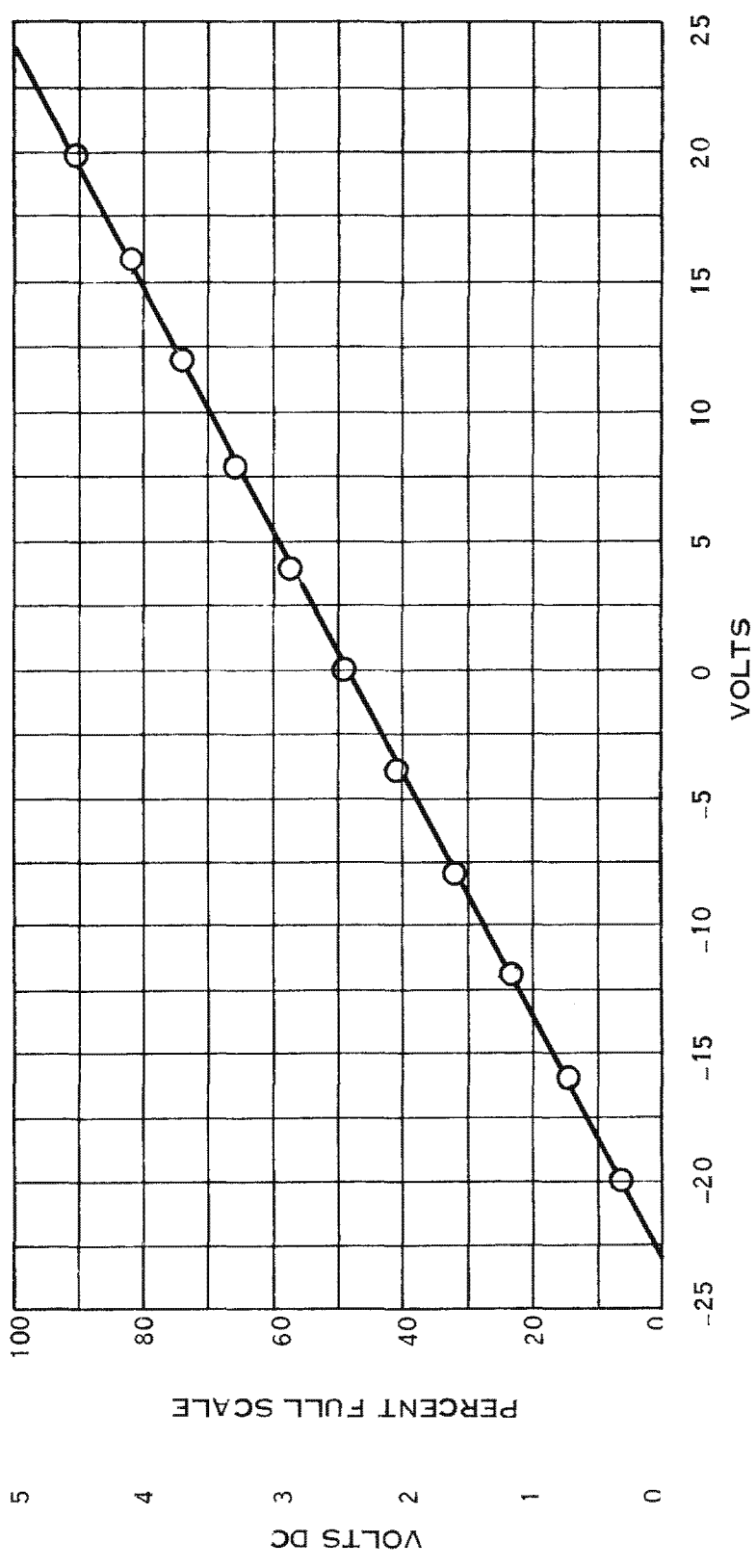
BAND: 14 (22.0 KC)

PULSE: CONTINUOUS

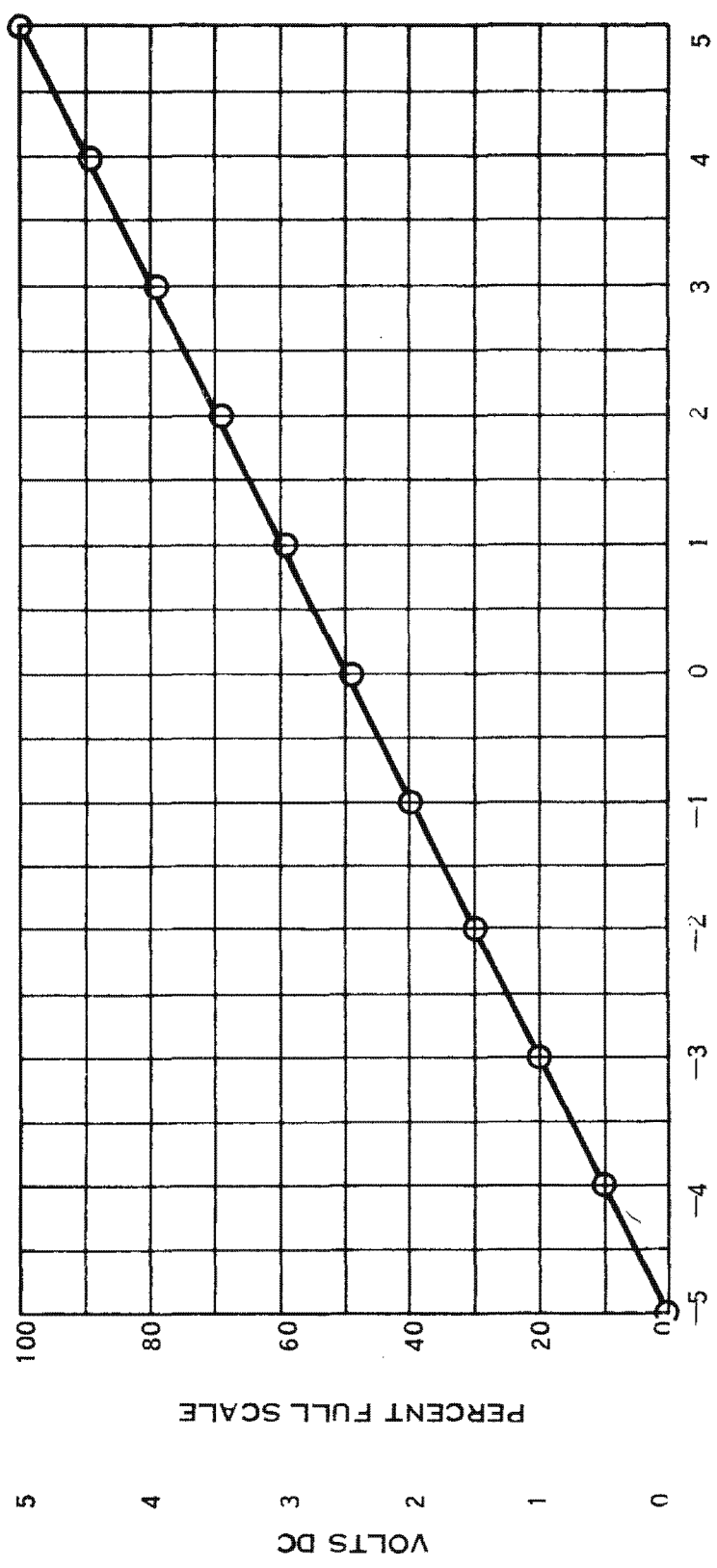
EXCITATION: 26 VDC REG.



FUNCTION:	ROLL TORQUE MOTOR VOLTAGE	VEHICLE:	988
RANGE:	-24 TO + 24 VOLTS	BAND:	14 (22.0 KC)
DRAWING NO:	134B5049 P9	PULSE:	1
"A" NUMBER:	951	EXCITATION:	26 VDC REG.
	DATA SOURCE: COMPONENT DATA		



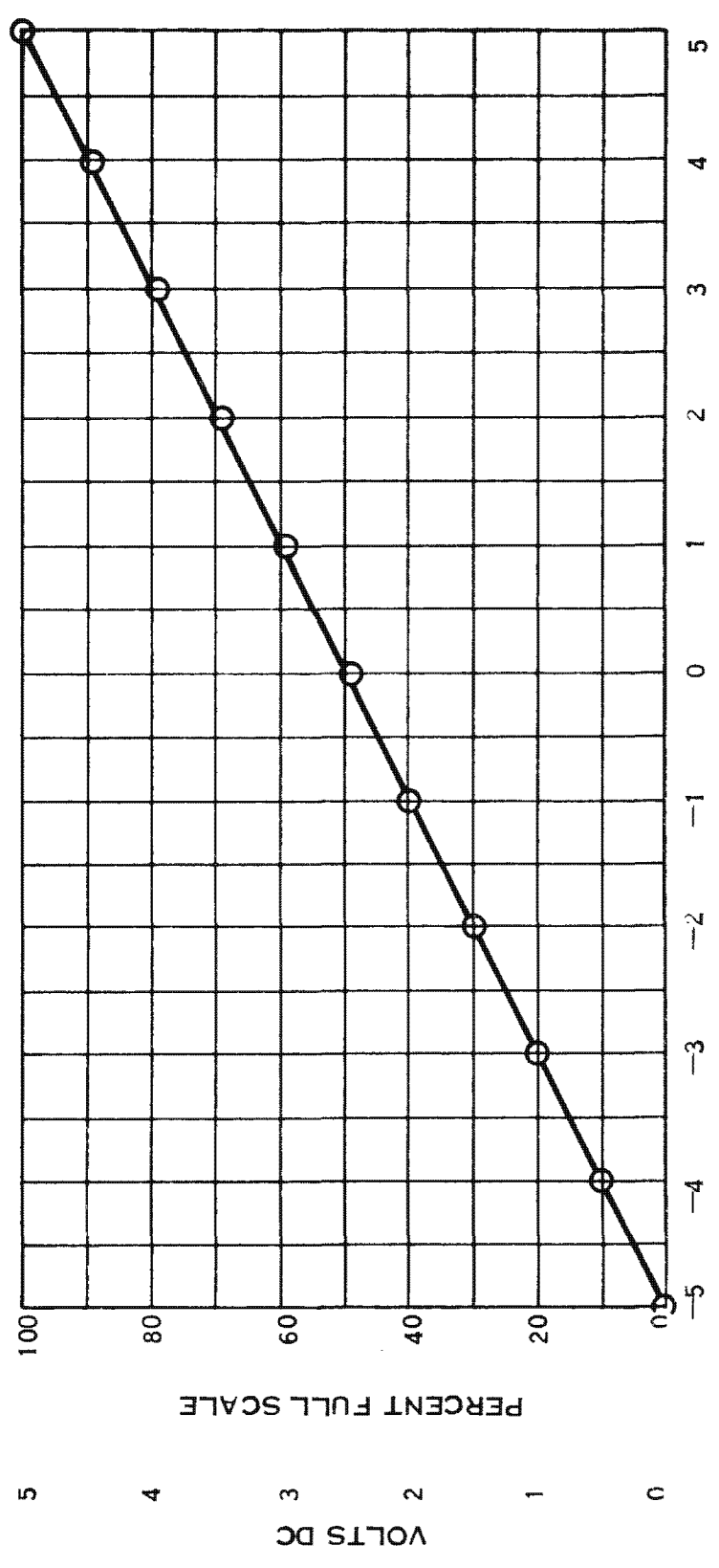
FUNCTION:	PITCH TORQUE MOTOR VOLTAGE	VEHICLE:	988
RANGE:	-24 TO +24 VOLTS	BAND:	14 (22.0 KC)
DRAWING NO:	134B5049 P9	PULSE:	2
"A" NUMBER:	951	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA



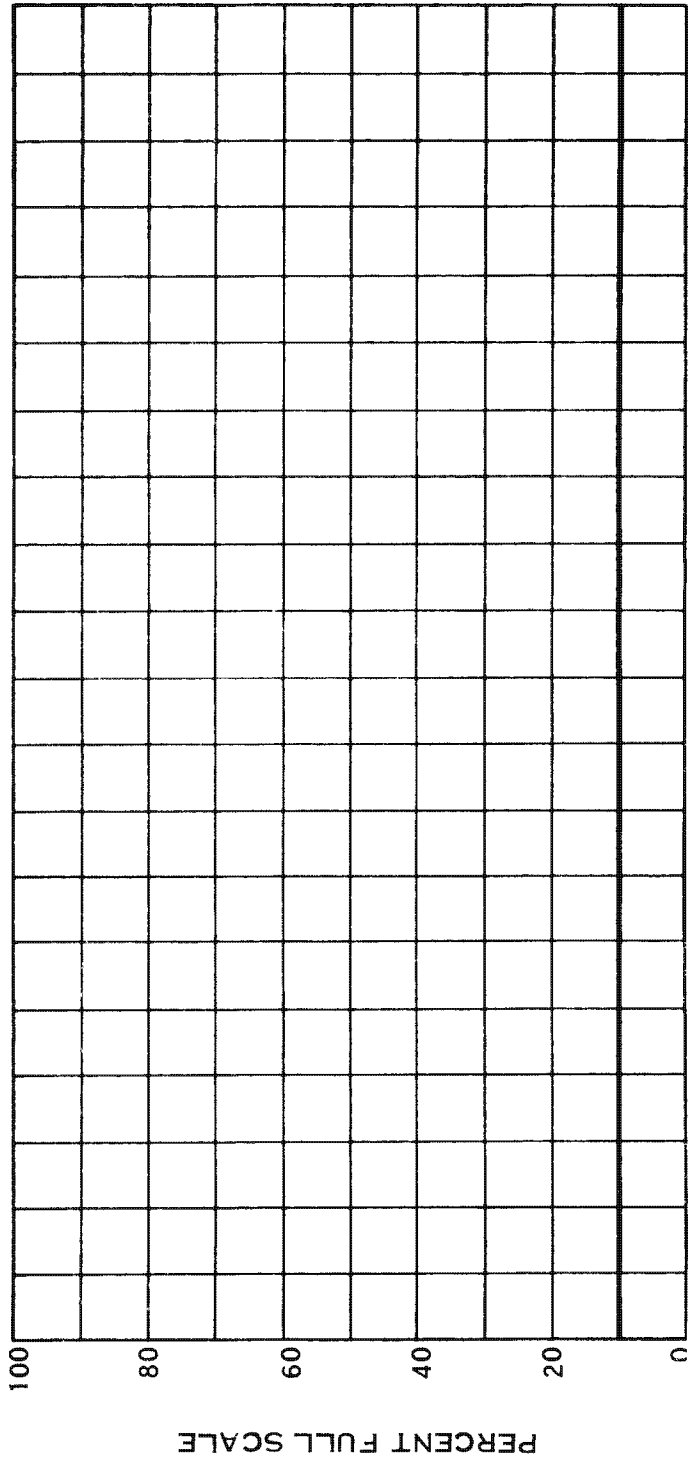
FUNCTION:	ROLL IR COMPUTER	VEHICLE:	988
RANGE:	± 5 DEGREES	BAND:	14 (22.0 KC)
DRAWING NO:	895D742 P2	PULSE:	3
"A" NUMBER:	1016	EXCITATION:	26 VDC REG
		DATA SOURCE:	COMPONENT DATA

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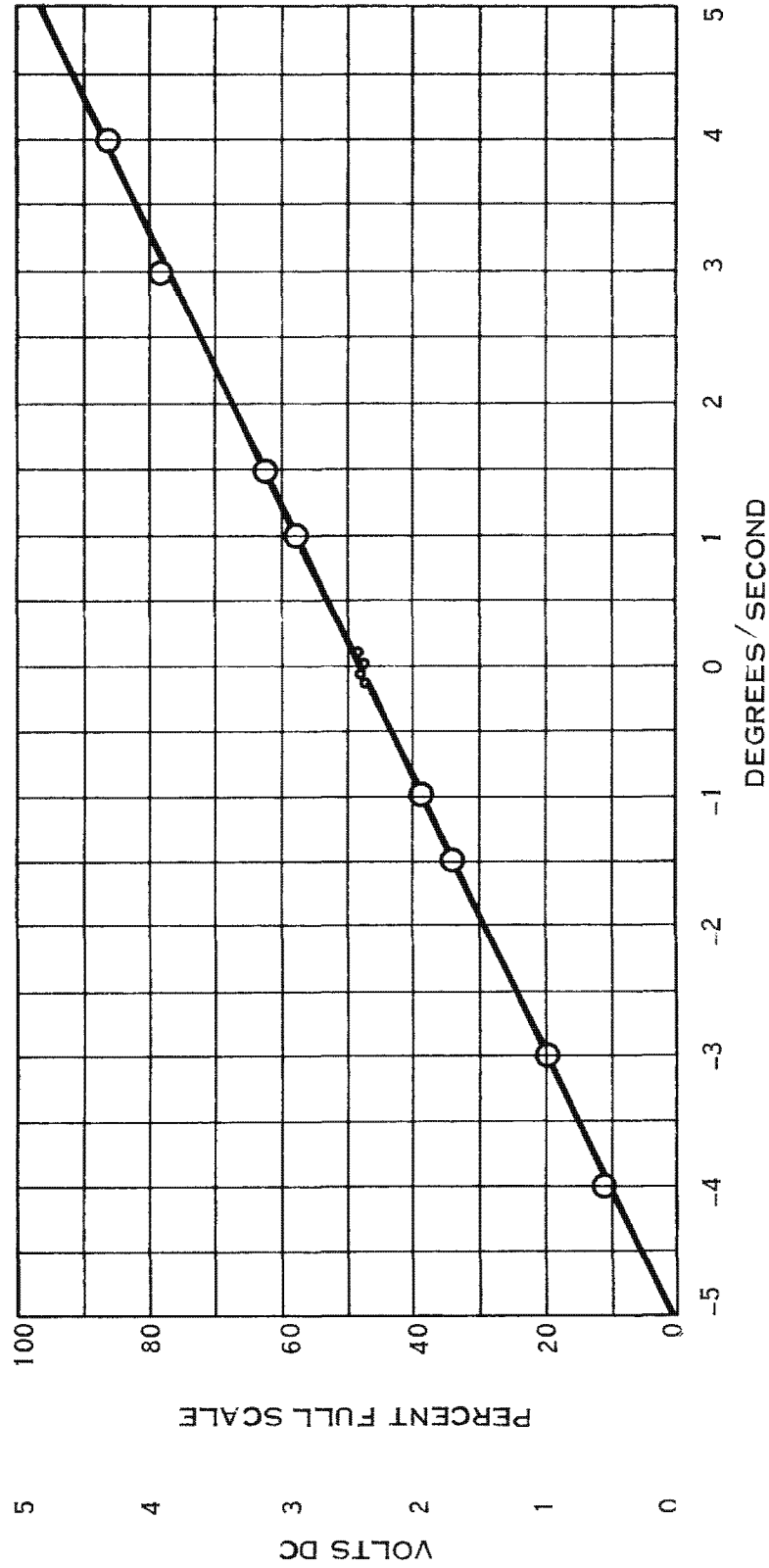
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FUNCTION:	PITCH IR COMPUTER	VEHICLE:	988
RANGE:	± 5 DEGREES	BAND:	14 (22.0 KC)
DRAWING NO:	895D742 P2	PULSE:	4
"A" NUMBER:	1016	EXCITATION:	26 VDC REG
		DATA SOURCE:	COMPONENT DATA



FUNCTION:	CALIBRATION – 10 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	14 (22.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	5
"A" NUMBER:	DATA SOURCE:	EXCITATION:	

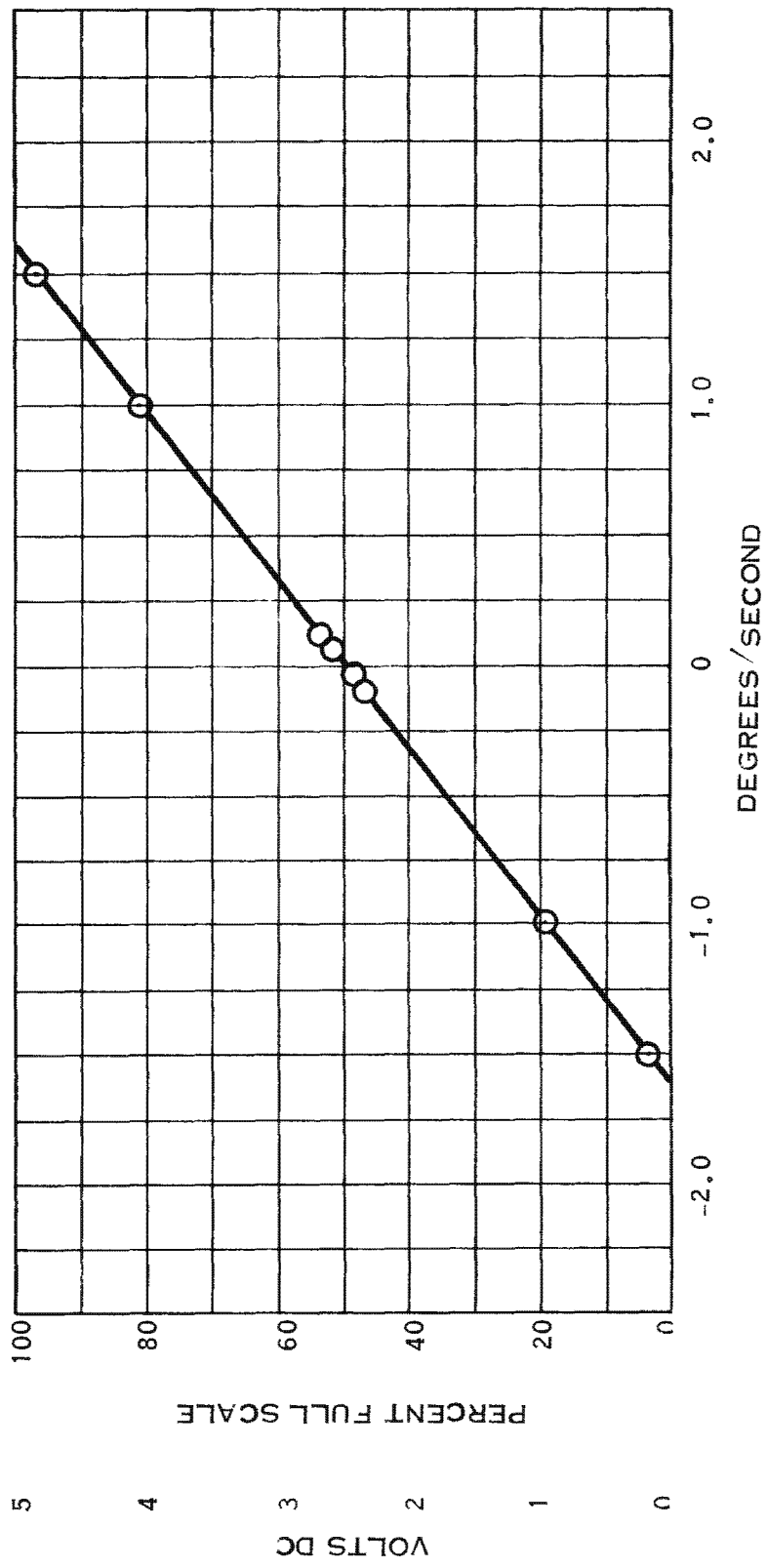


FUNCTION: GYRO ROLL RATE - COARSE VEHICLE: 988

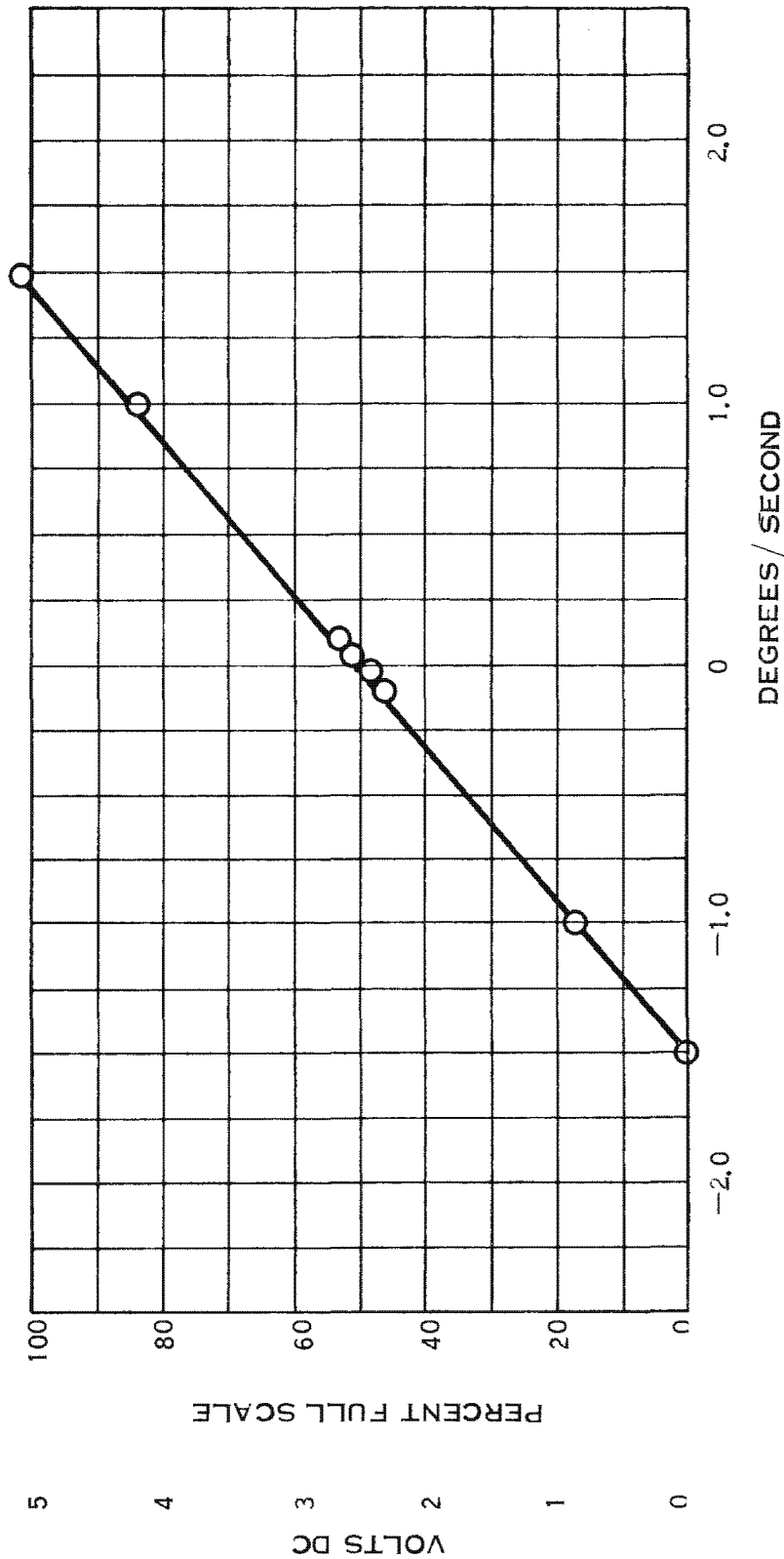
RANGE: ± 5 DEGREES/SECOND STA/RAD: 140/360° BAND: 14 (22.0 KC)

DRAWING NO: 111C3776 P10 SV SECTION: 6 PULSE: 6

"A" NUMBER: 952 DATA SOURCE: COMPONENT DATA EXCITATION: 26 VDC REG.



FUNCTION: GYRO PITCH RATE - COARSE VEHICLE: 988
RANGE: ± 1.5 DEGREES/SECOND STA/RAD: 140/0° BAND: 14 (22.0 KC)
DRAWING NO: 111C3776 P10 SV SECTION: 6 PULSE: 7
"A" NUMBER: 952 DATA SOURCE: COMPONENT DATA EXCITATION: 26 VDC R_{EG}.

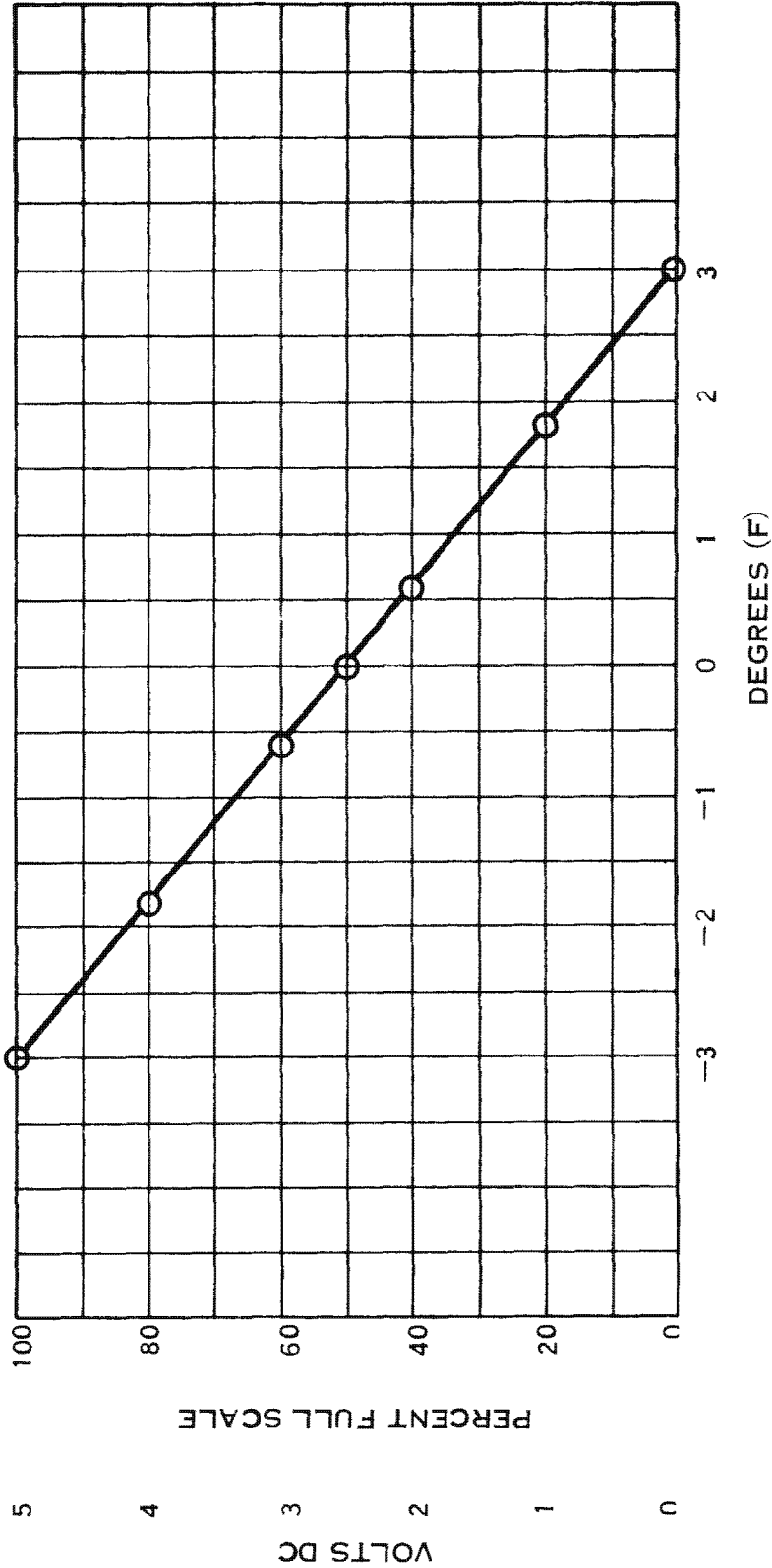


FUNCTION: GYRO YAW RATE-COARSE VEHICLE: 988

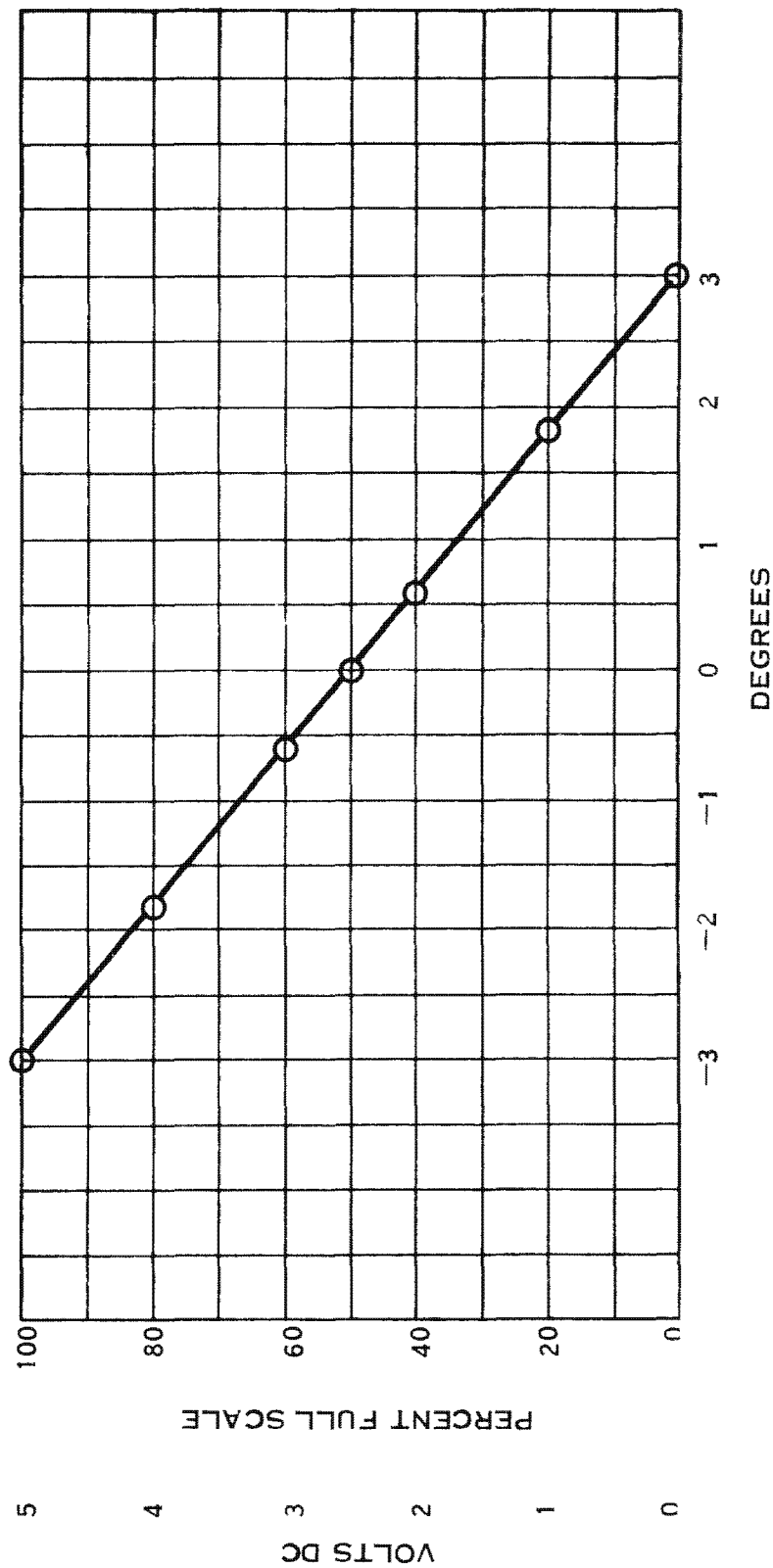
RANGE: ± 1.5 DEGREES STA/RAD: 140/0° BAND: 14 (22.0 KC)

DRAWING NO: 111C3776 P10 SV SECTION: 6 PULSE: 8

"A" NUMBER: 952 DATA SOURCE: COMPONENT DATA EXCITATION: 26 VDC REG



FUNCTION: ROLL ATTITUDE ERROR ACA VEHICLE: 988
RANGE: ± 3 DEGREES STA/RAD: 125/357° BAND: 14 (22.0 KC)
DRAWING NO: 725E257 G16 SV SECTION: 6 PULSE: 9
"A" NUMBER: 963 DATA SOURCE: COMPONENT DATA EXCITATION: 26 VDC REG.



FUNCTION: PITCH ATTITUDE ERROR ACA

VEHICLE: 988

RANGE: ± 3 DEGREES

STA/RAD: 154/360°

BAND: 14 (22.0 KC)

DRAWING NO: 725E257 G13

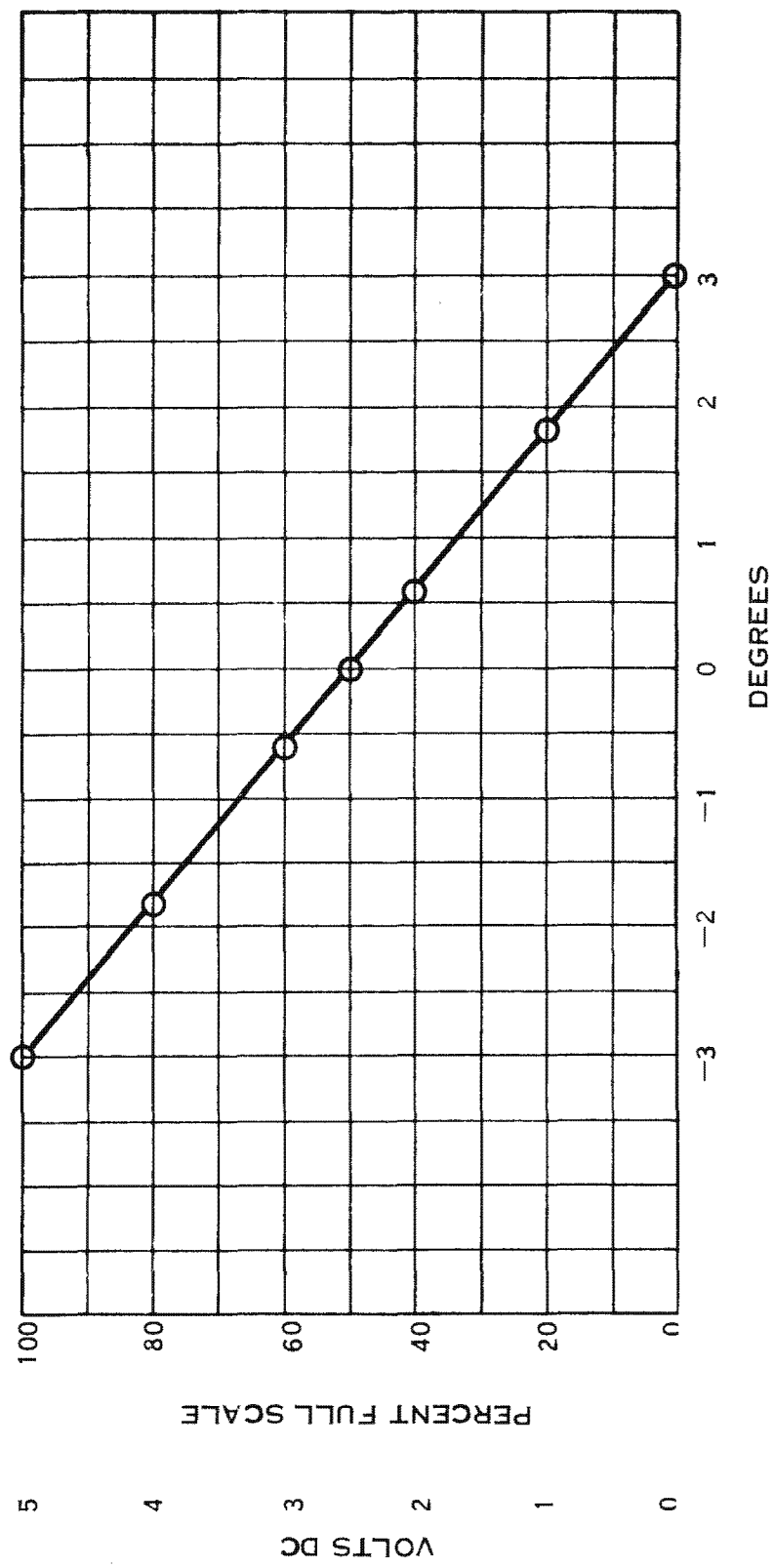
SV SECTION: 6

PULSE: 10

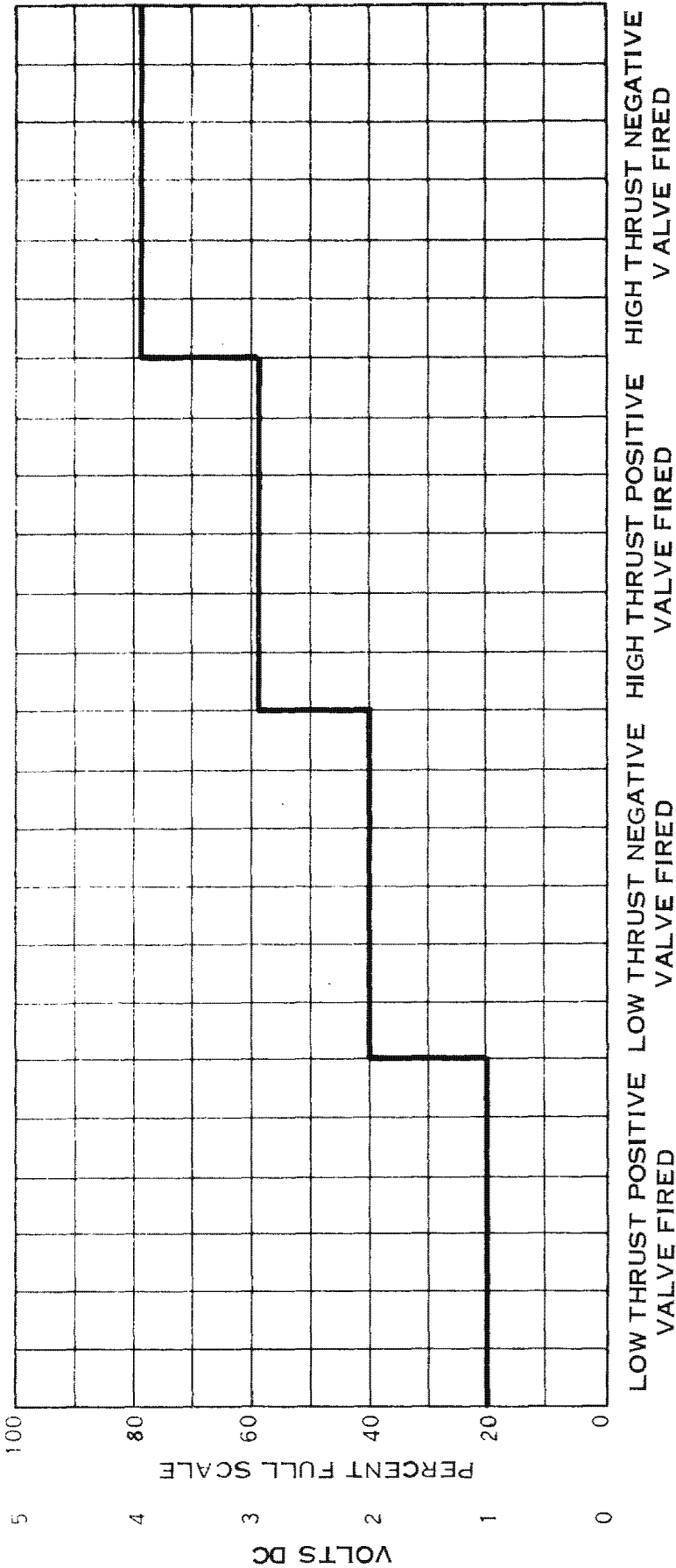
"A" NUMBER: 964

DATA SOURCE: COMPONENT DATA

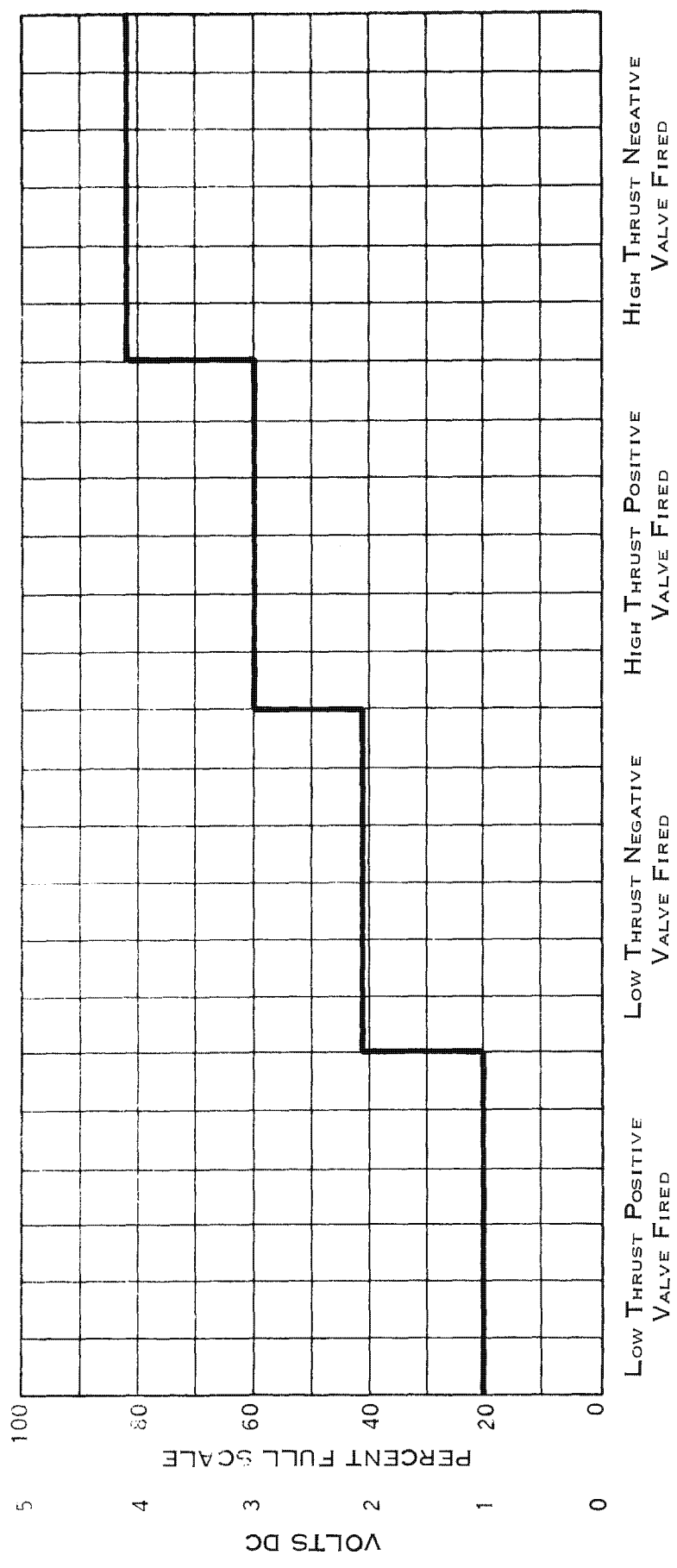
EXCITATION: 26 VDC REG.



FUNCTION: YAW ATTITUDE ERROR ACA
RANGE: -3 DEGREES
DRAWING NO: 725E257 G13
"A" NUMBER: 965
VEHICLE: 988
BAND: 14 (22.0 KC)
PULSE: 11
STA/RAD: 154/360°
SV SECTION: 6
DATA SOURCE: COMPONENT DATA
EXCITATION: 26 VDC REG.



FUNCTION:	ROLL ACA OUTPUT	VEHICLE:	988
RANGE:		BAND:	14 (22.0 KC)
DRAWING NO:	725E257 G16	PULSE:	12
"A" NUMBER:	963	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA



FUNCTION: PITCH ACA OUTPUT

RANGE: 14 (22.0 KC)

DRAWING NO: 725E257 G13

"A" NUMBER: 964

VEHICLE: 988

BAND: 14 (22.0 KC)

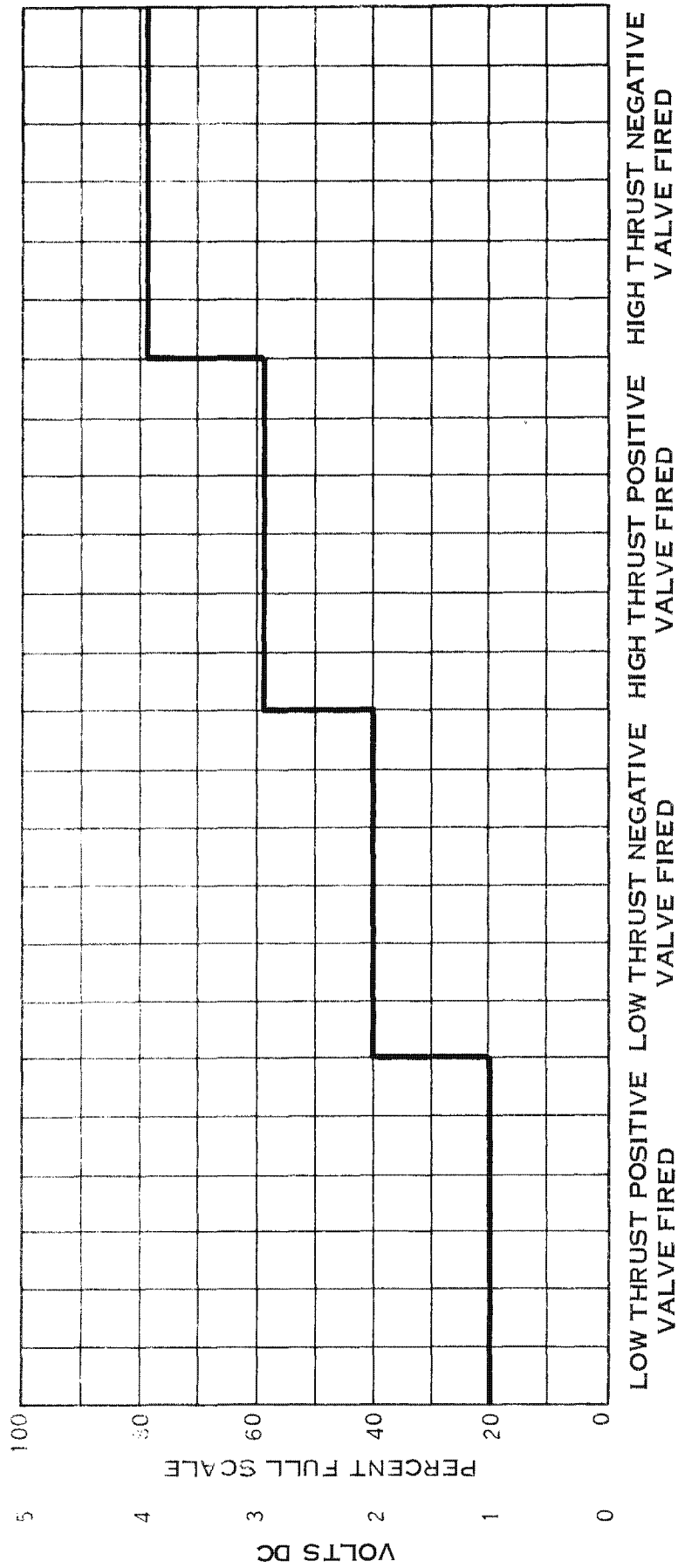
PULSE: 13

EXCITATION: 26 VDC Reg.

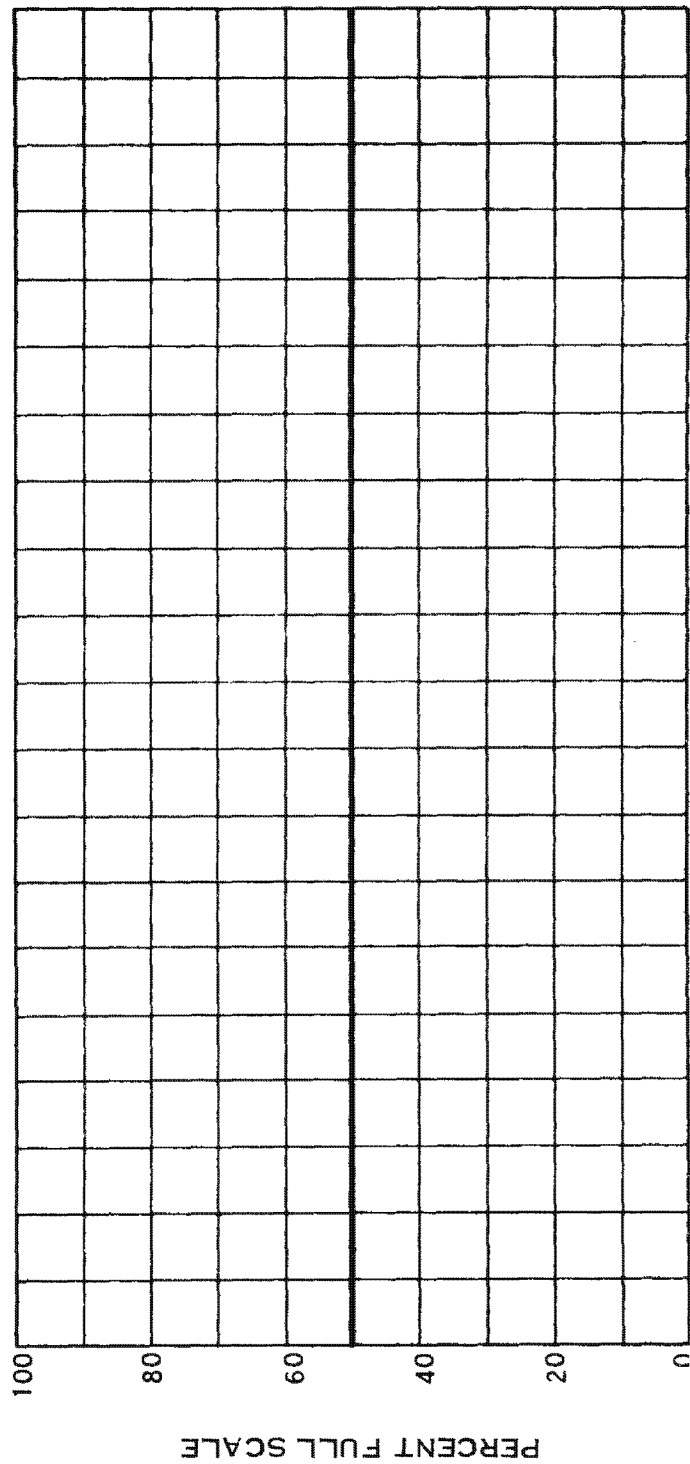
STA/RAD: 154/360°

SV SECTION: 6

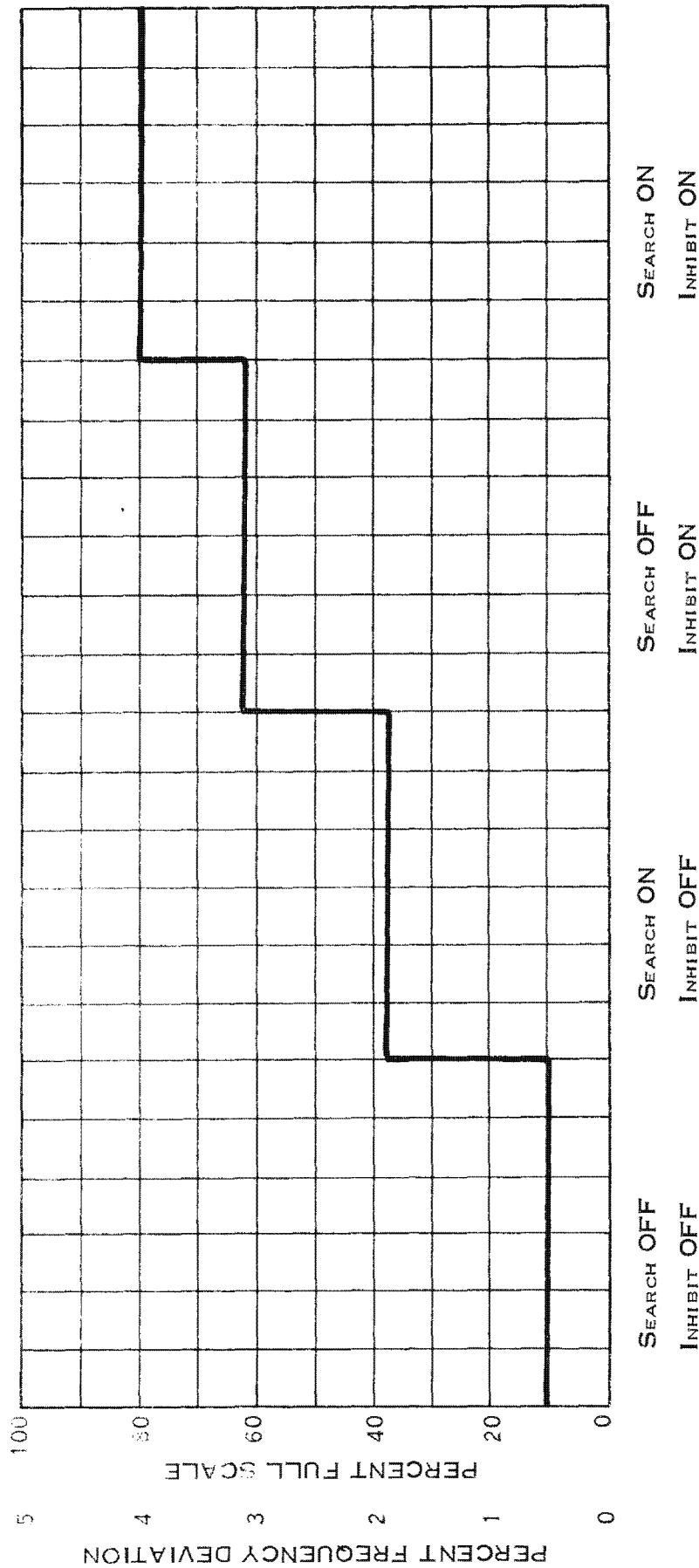
DATA SOURCE: COMPONENT DATA



FUNCTION:	YAW ACA OUTPUT			VEHICLE:	988
RANGE:				BAND:	14 (22.0 KC)
DRAWING NO:	725E257 G13	STA/RAD:	154/360°	PULSE:	14
"A" NUMBER:	965	SV SECTION:	6	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA		



FUNCTION:	CALIBRATION — 50 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	14 (22.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	15
"A" NUMBER:	DATA SOURCE:	EXCITATION:	

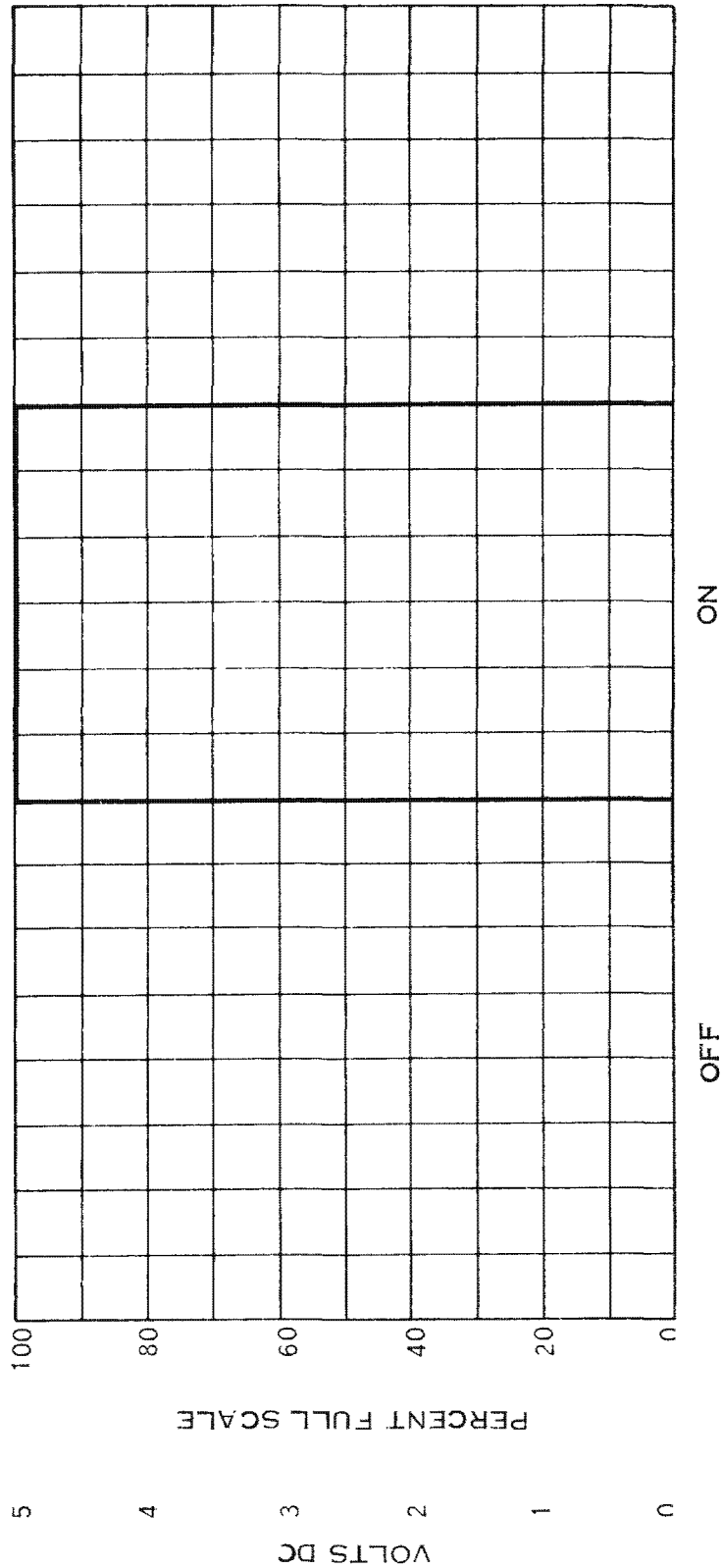


FUNCTION: INHIBIT TRANSFER VEHICLE: 988

RANGE: STA/RAD: 188/160° BAND: 14 (22.0 KC)

DRAWING NO: 895D703 G5 SV SECTION: 6 PULSE: 16

"A" NUMBER: 1026 DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC

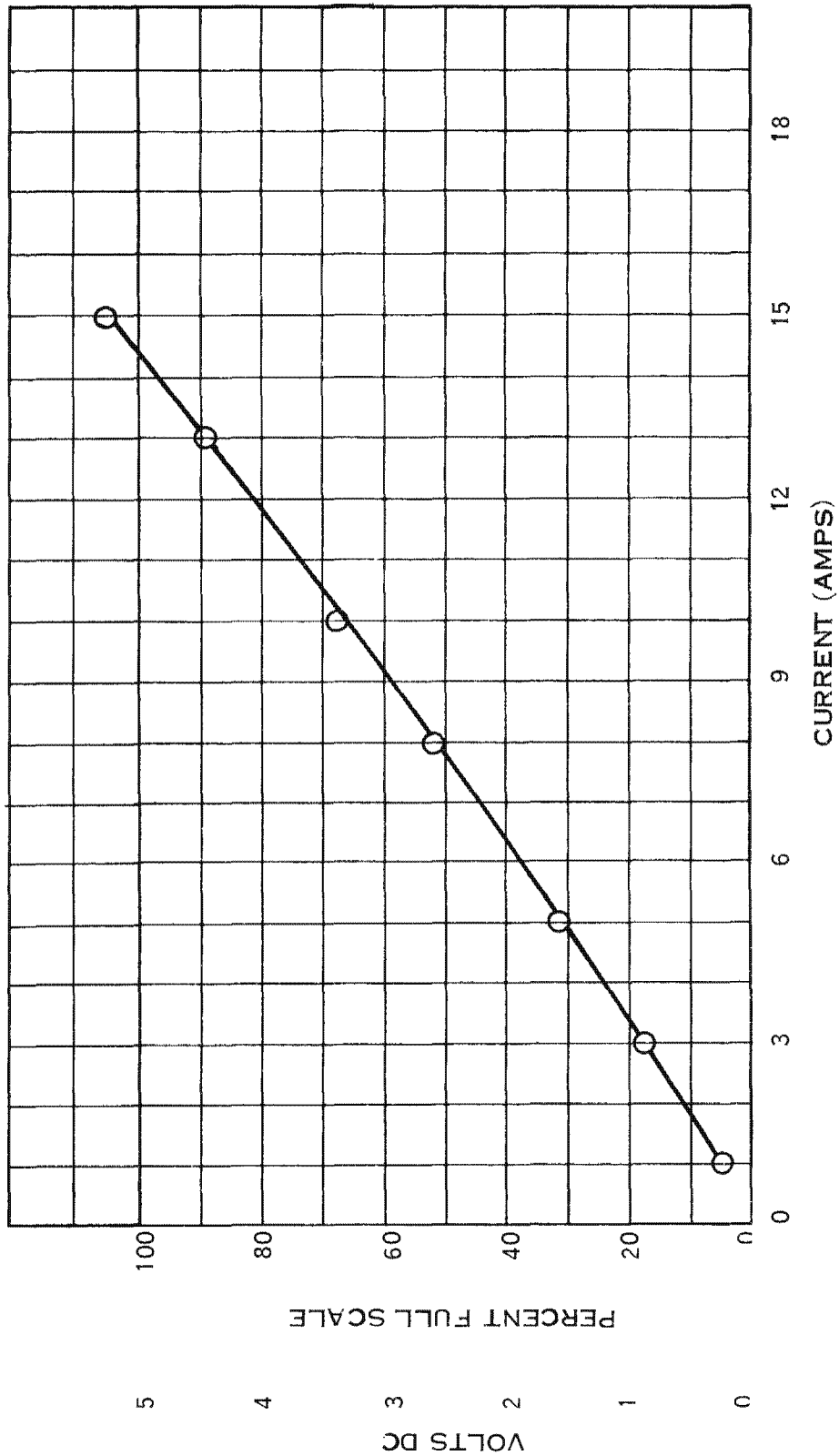


FUNCTION: YAW TORQUE VEHICLE: 988

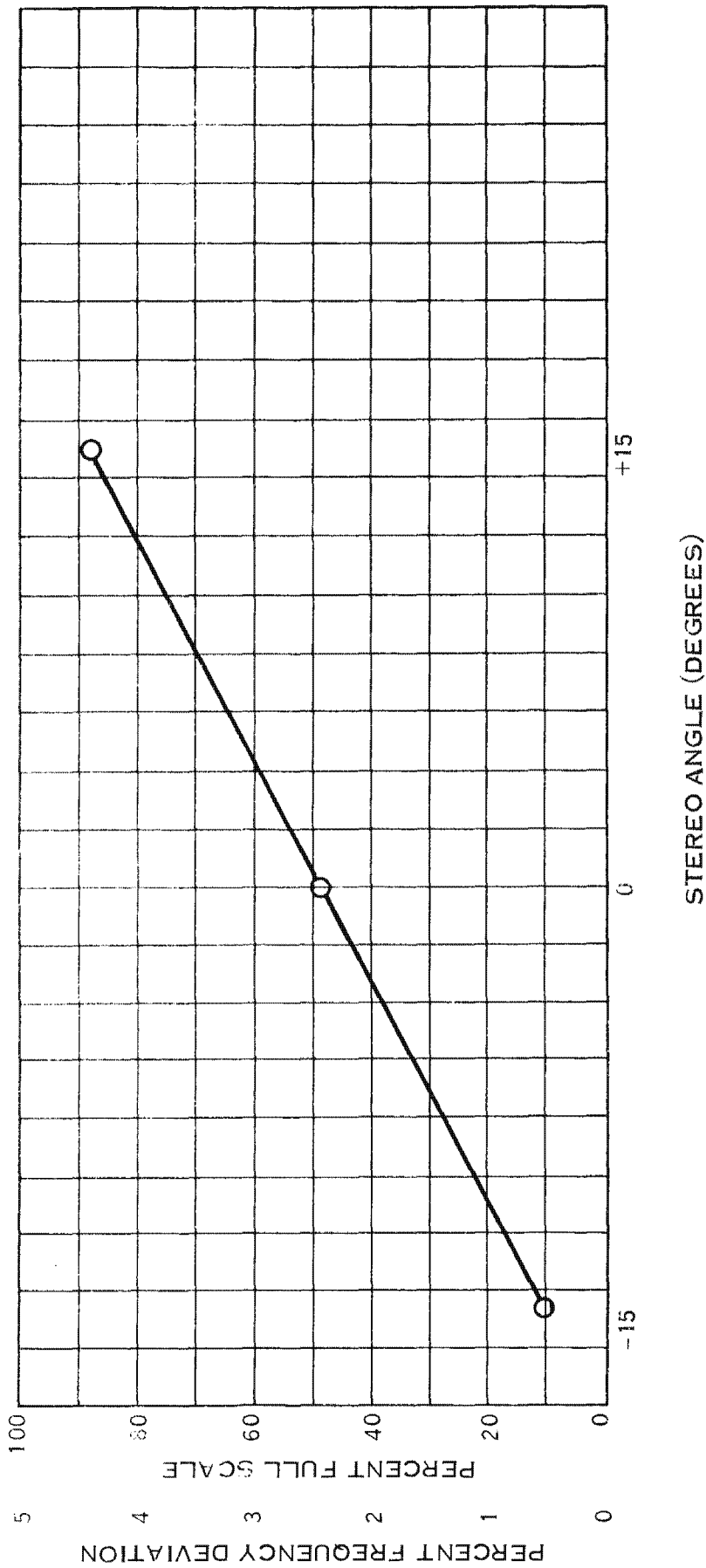
RANGE: STA/RAD: 229.5/0° BAND: 14 (22.0 KC)

DRAWING NO: 225E540 G4 SV SECTION: 6.1 PULSE: 17

"A" NUMBER: 951 DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC



FUNCTION: CURRENT STABILIZATION SUBSYSTEM VEHICLE: 988
RANGE: 0 TO 15 AMPS. STA/RAD: BAND: 14 (22.0 KC)
DRAWING NO: SV SECTION: 6.1 PULSE: 18
"A" NUMBER: DATA SOURCE: SYSTEMS DATA EXCITATION:



FUNCTION: GFE 1-13

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 14 (22.0 KC)

DRAWING NO:

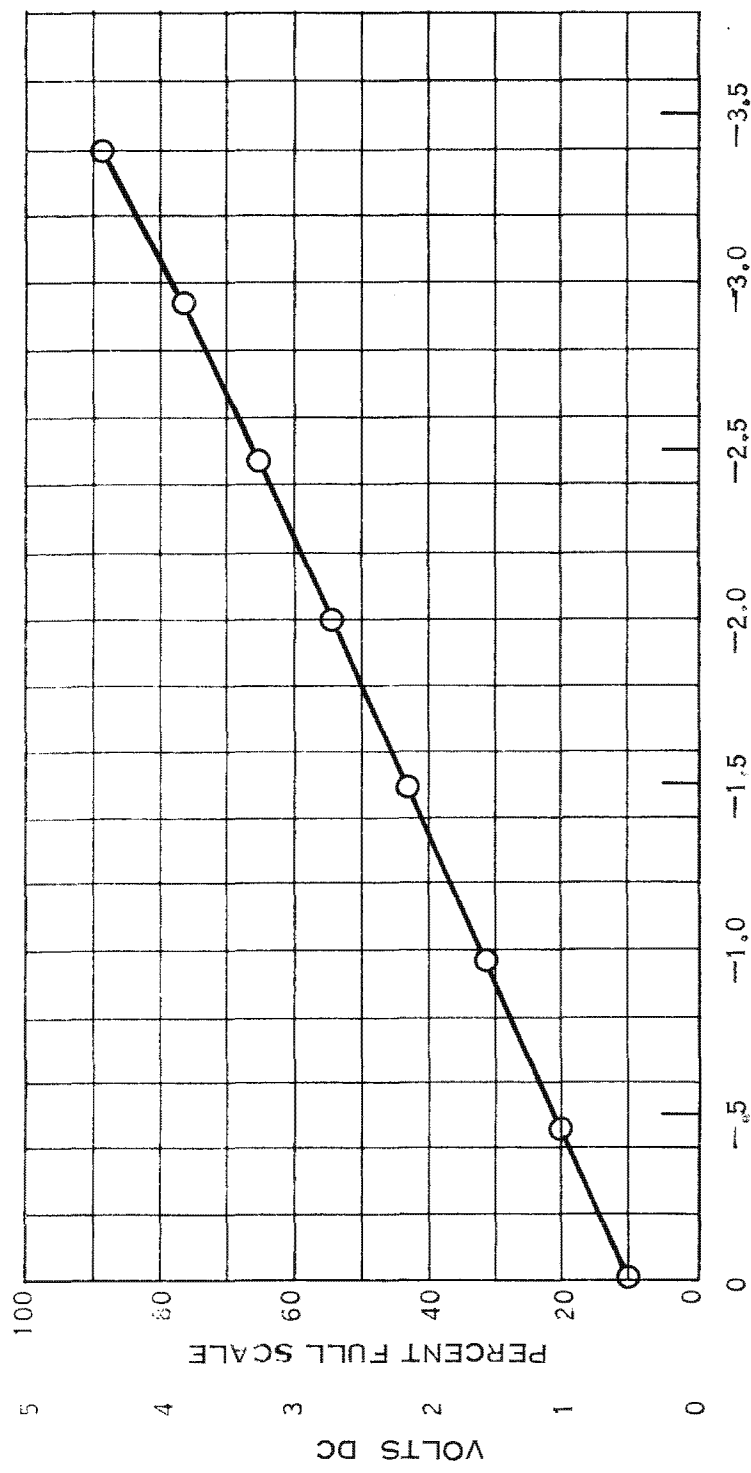
SV SECTION:

PULSE: 19

"A" NUMBER:

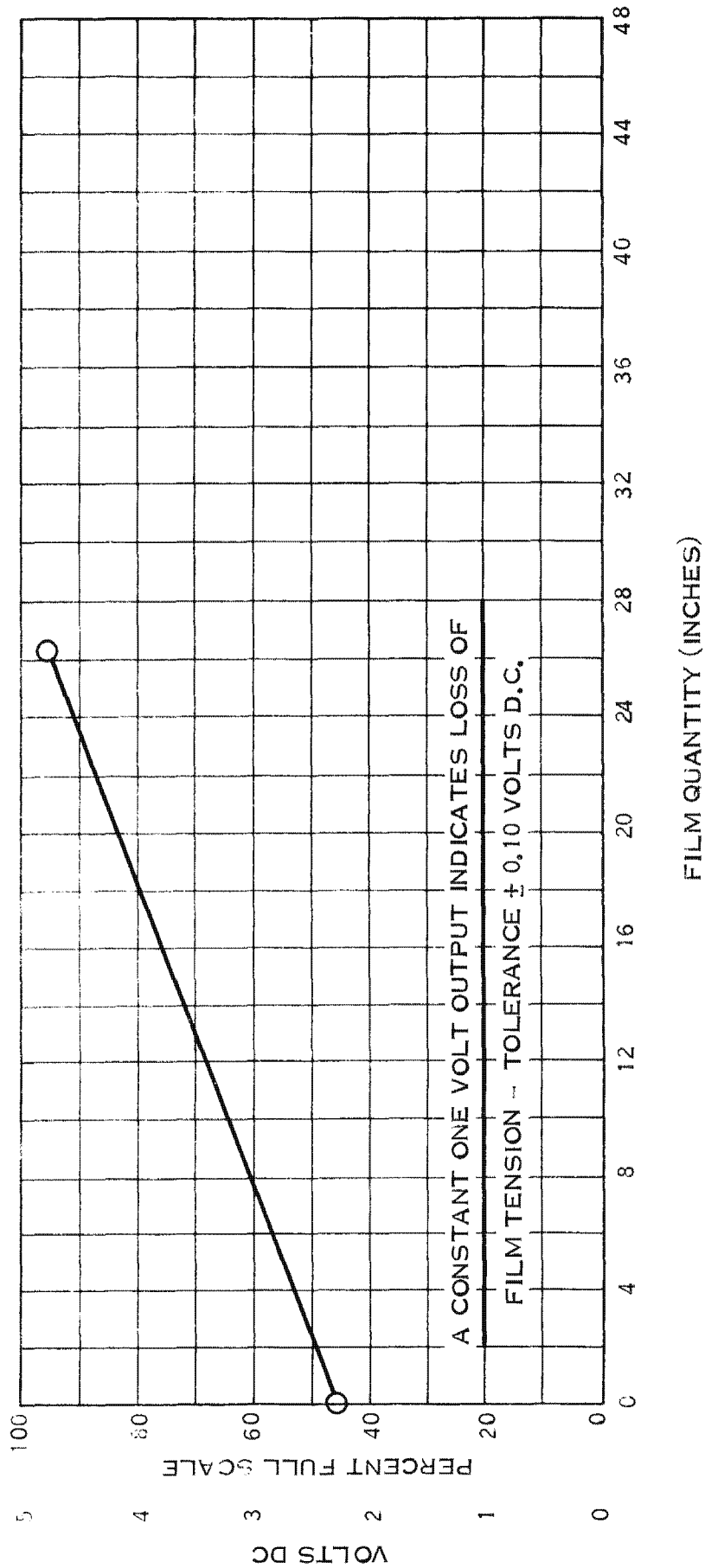
DATA SOURCE:

EXCITATION:

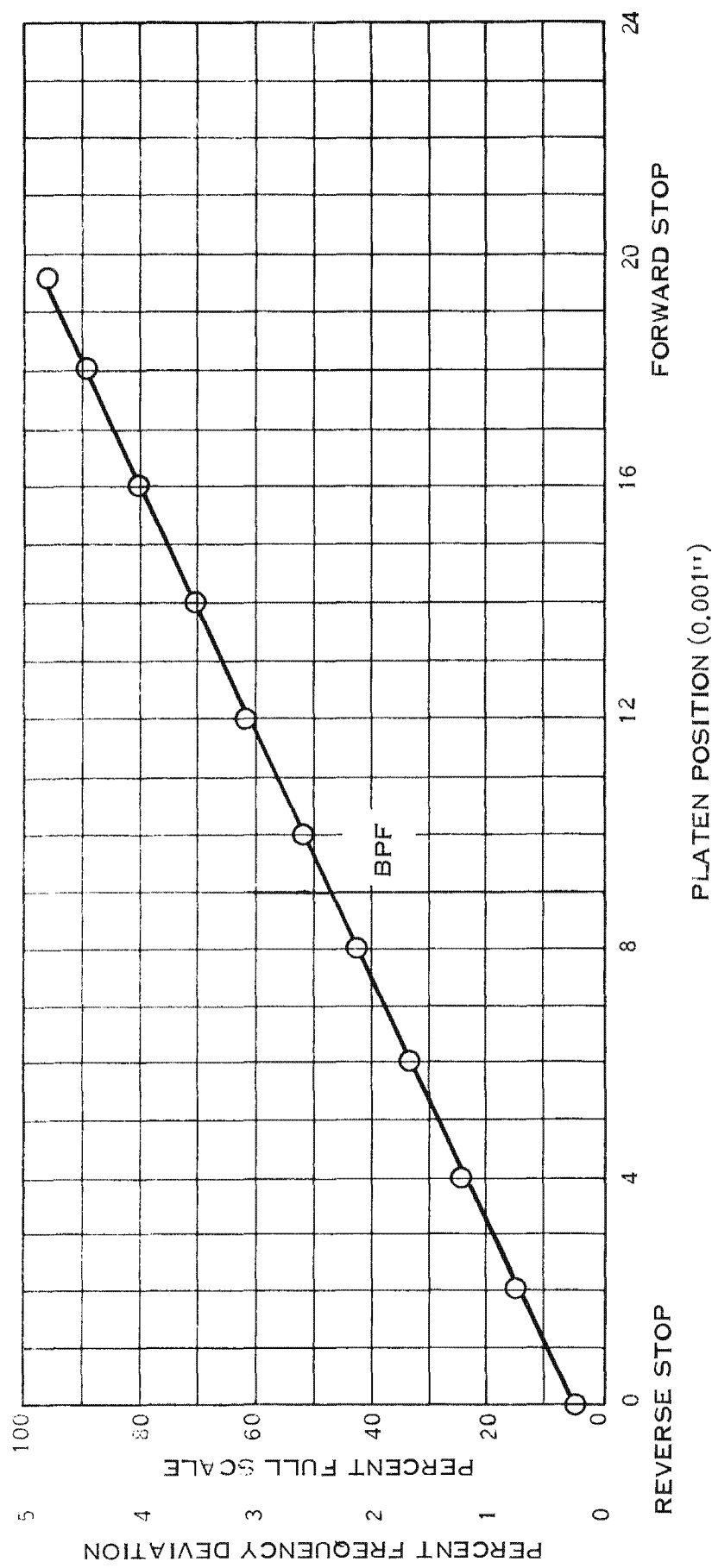


CRAB ANGLE (DEGREES)

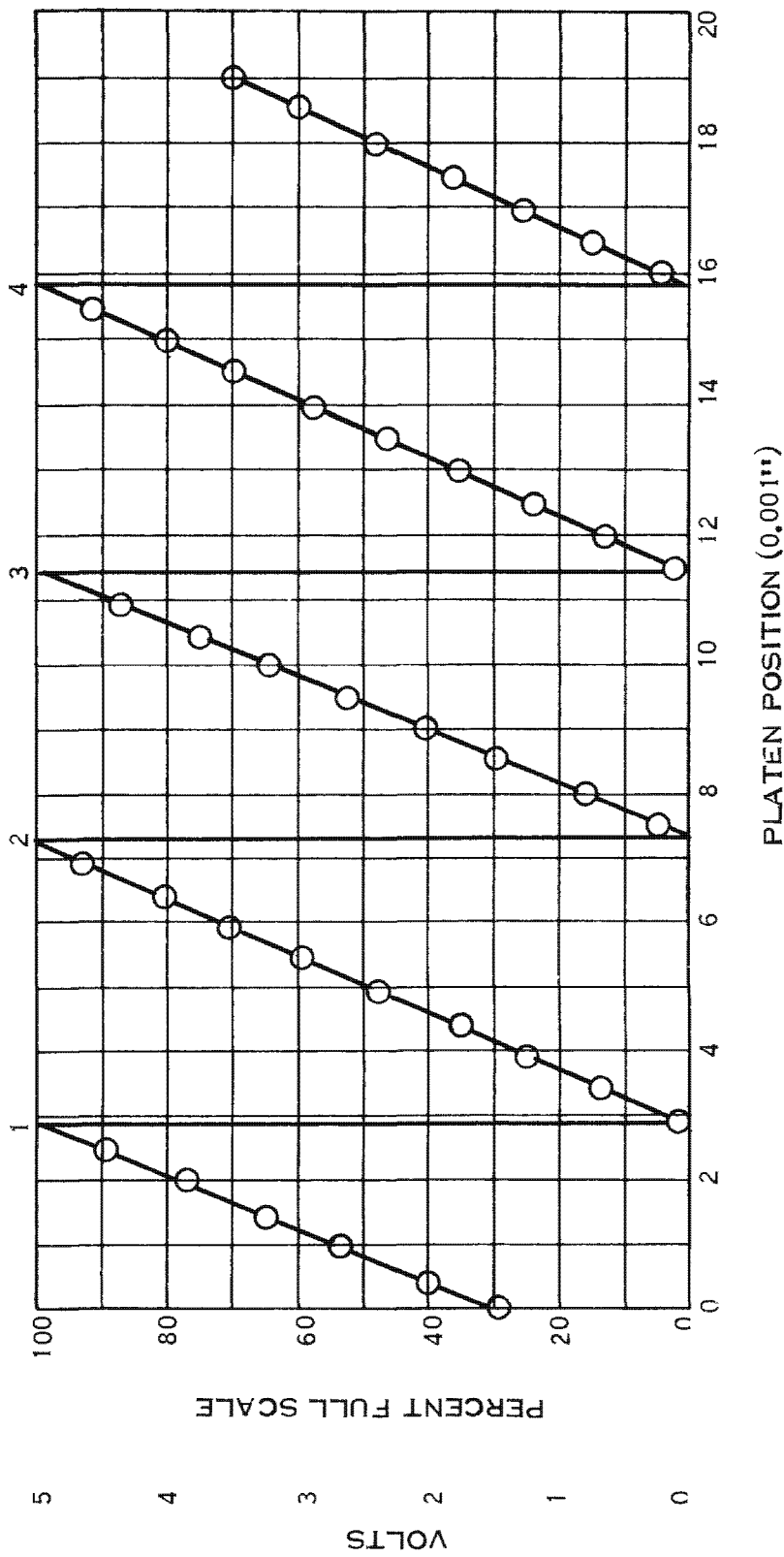
FUNCTION:	GFE 1-14	VEHICLE:	988
RANGE:		BAND:	14 (22.0 KC)
DRAWING NO:		PULSE:	20
"A" NUMBER:		EXCITATION:	



FUNCTION:	GFE 1-17	VEHICLE:	988
RANGE:		BAND:	14 (22.0 KC)
DRAWING NO:		PULSE:	21
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION:	GFE 1-20	VEHICLE:	988
RANGE:		BAND:	14 (22.0 KC)
DRAWING NO:		PULSE:	24
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION: GFE 1-27

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

BAND: 14 (22.0 KC)

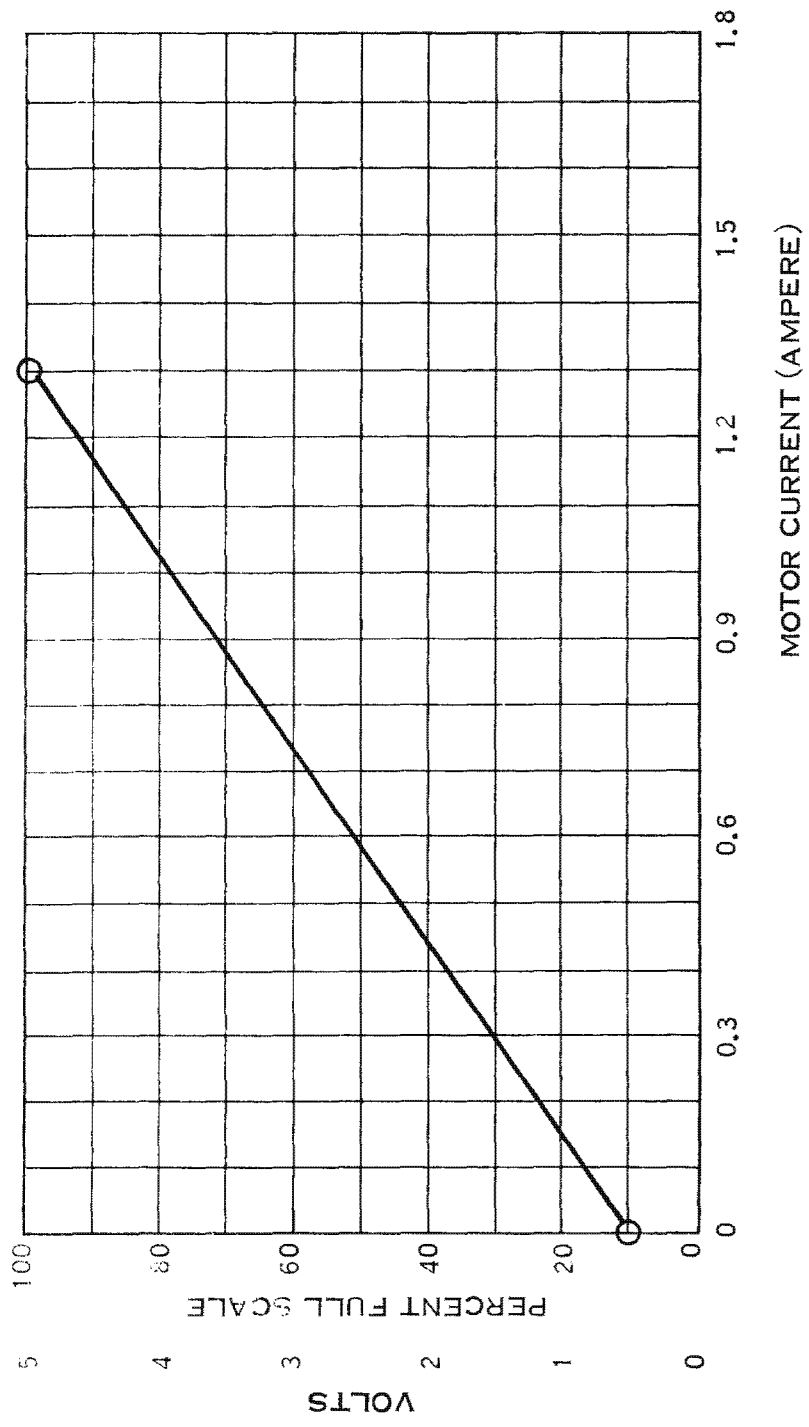
PULSE: 23

EXCITATION:

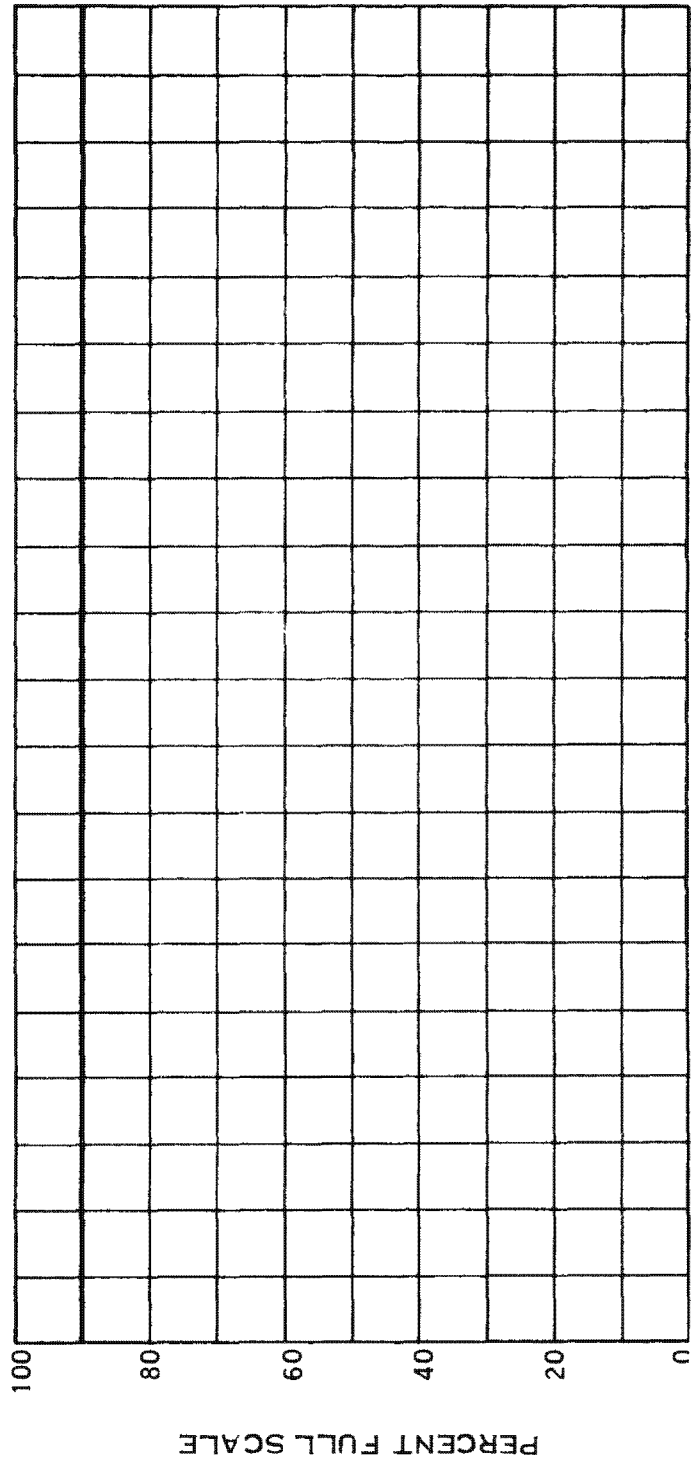
STA/RAD:

SV SECTION:

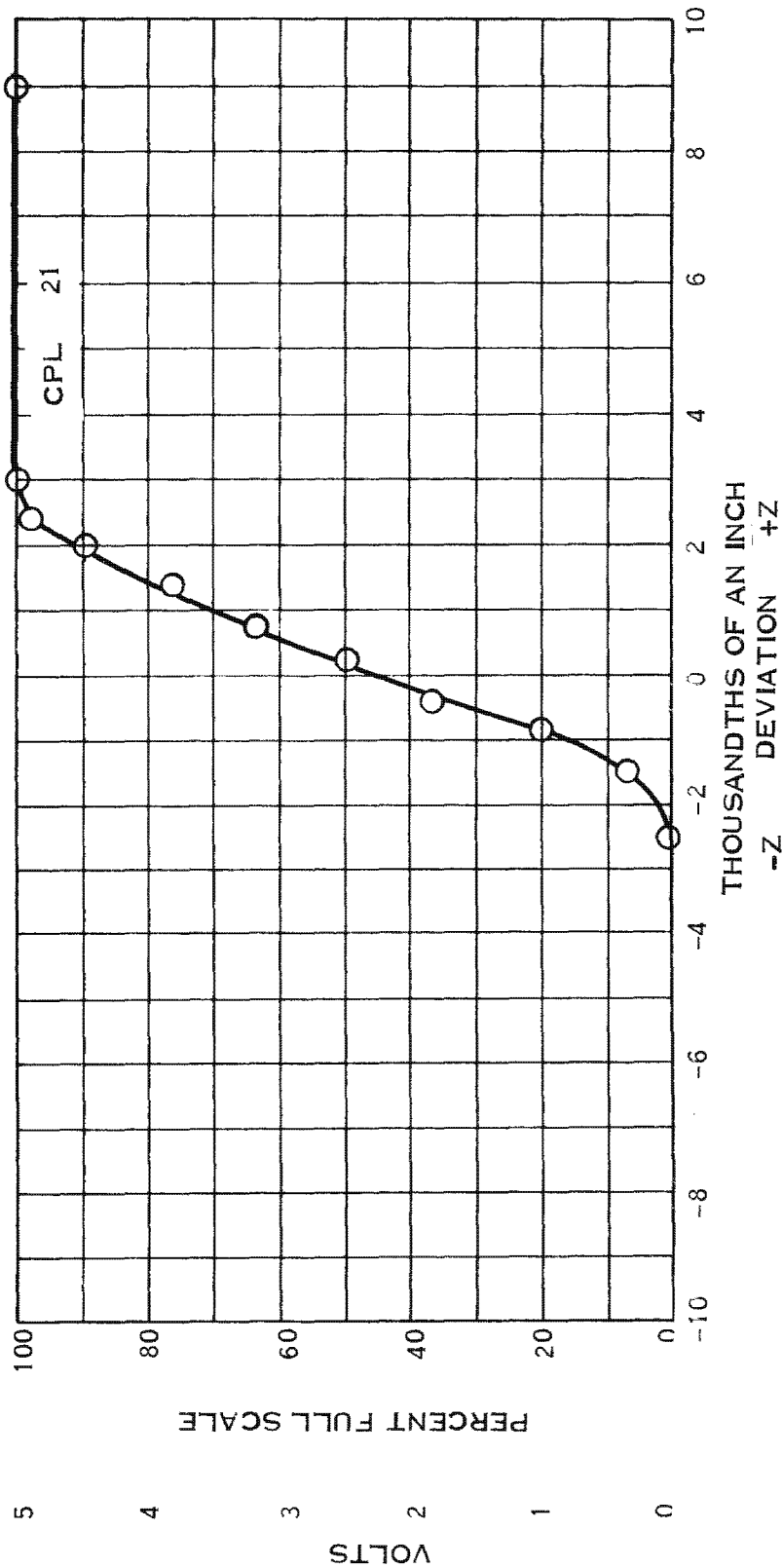
DATA SOURCE:



FUNCTION:	GFE 1-19	VEHICLE:	988
RANGE:		STA/RAD:	14 (22.0 KC)
DRAWING NO:		SV SECTION:	24
"A" NUMBER:		DATA SOURCE:	
		EXCITATION:	



FUNCTION:	CALIBRATION — 90 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	14 (22.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	25
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION: GFE 1-21

RANGE:

STA/RAD:

VEHICLE: 988

BAND: 14 (22.0 KC)

DRAWING NO:

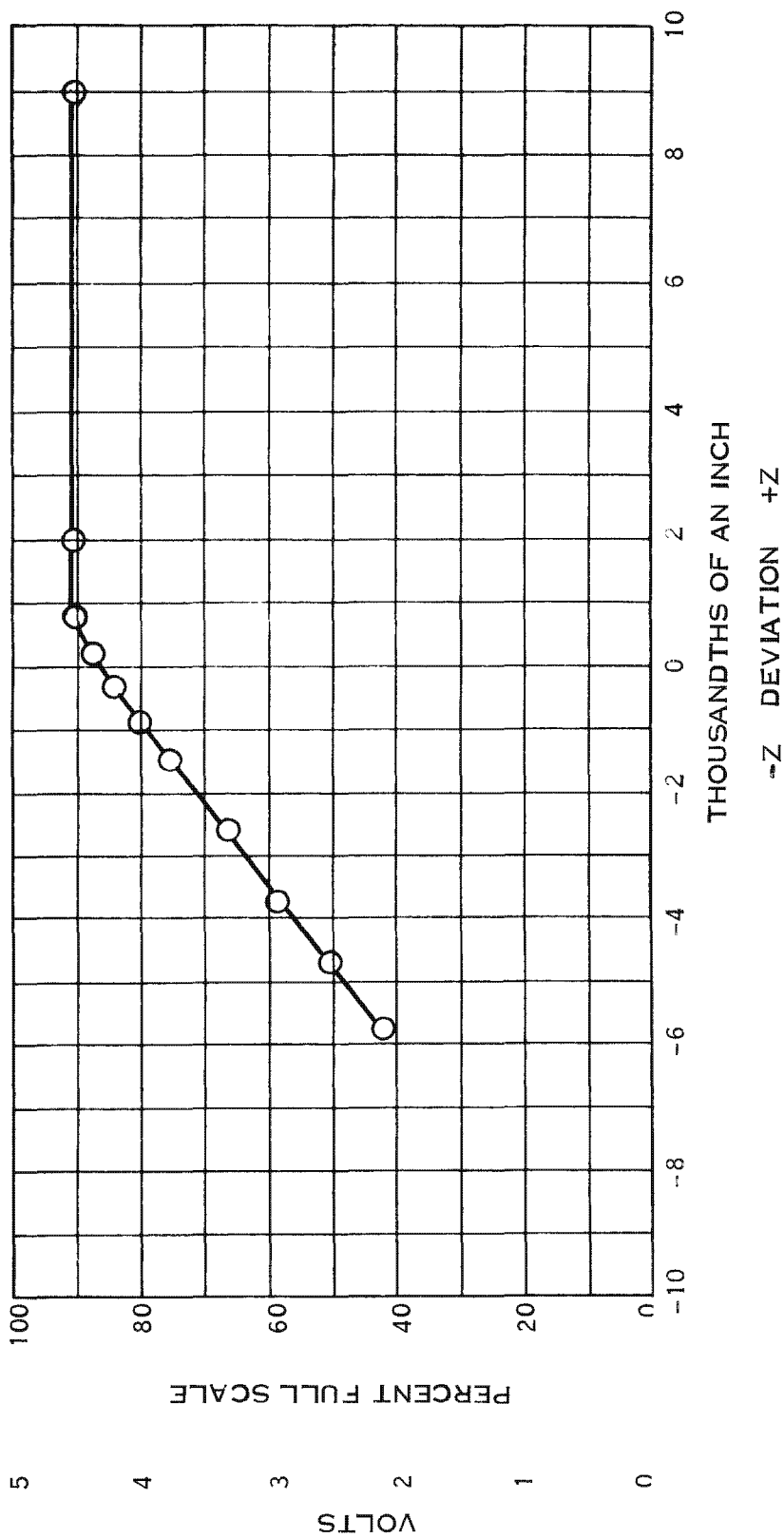
SV SECTION:

PULSE: 26

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: GFE 2-23

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 14 (22.0 KC)

DRAWING NO:

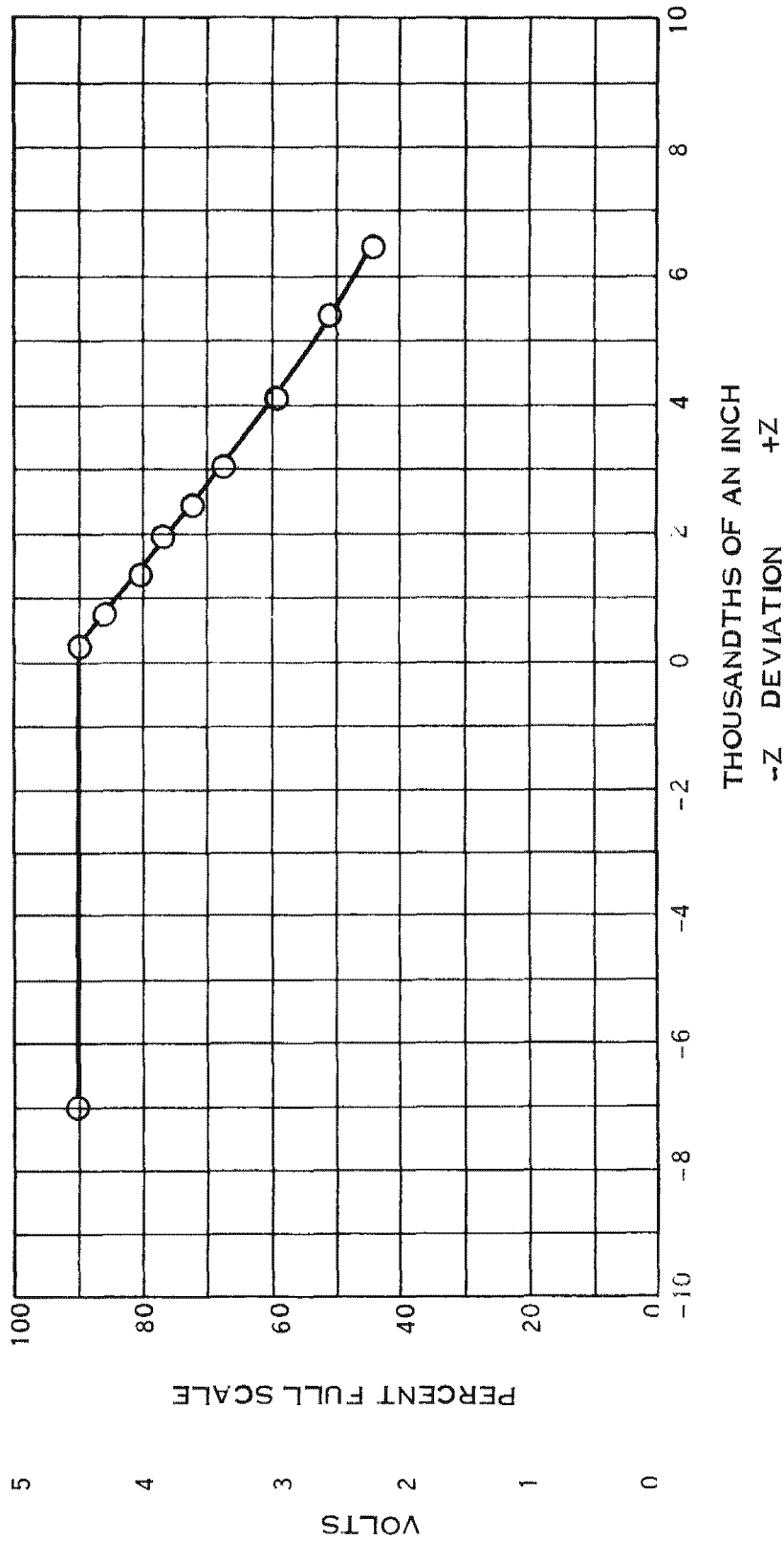
SV SECTION:

PULSE: 28

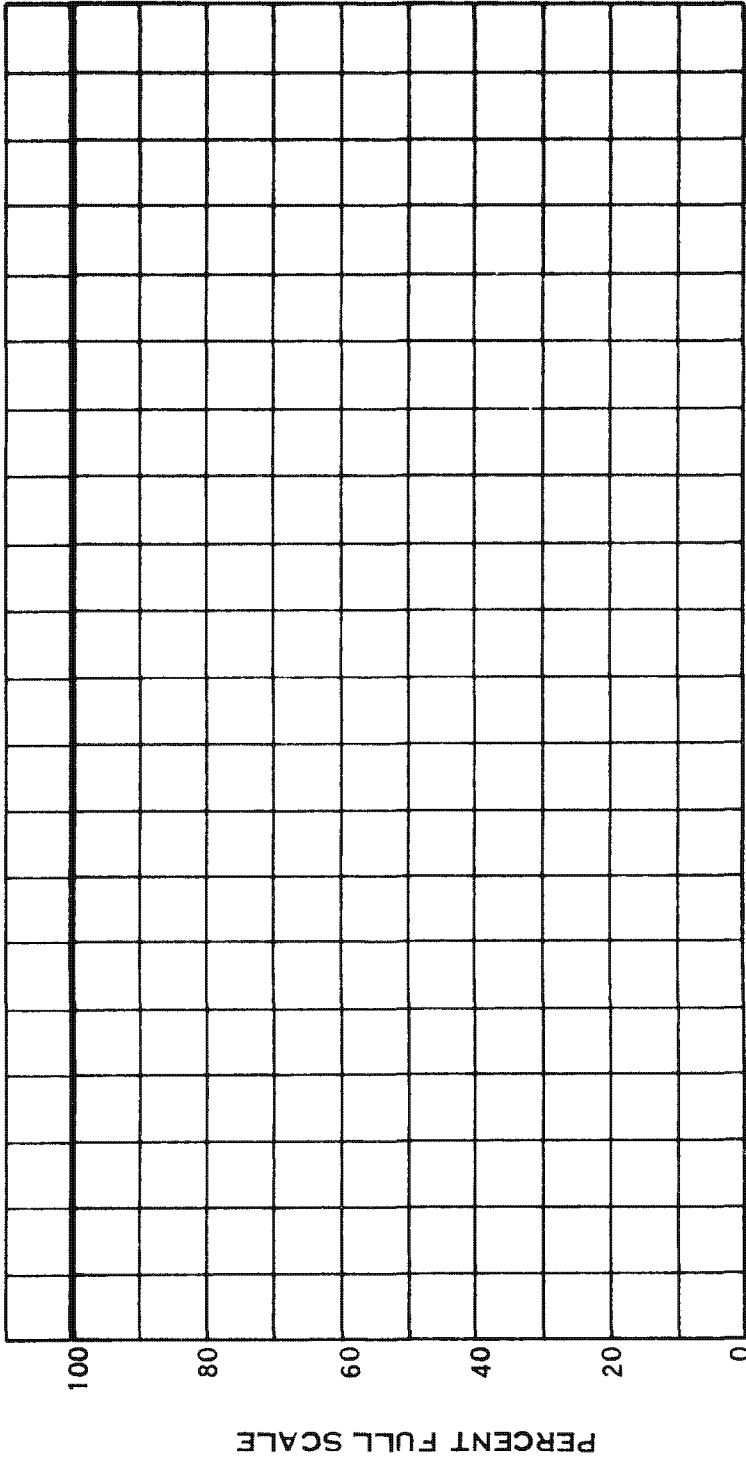
"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION:	GFE 2-22	VEHICLE:	988
RANGE:		BAND:	14 (22.0 KC)
DRAWING NO:		PULSE:	27
"A" NUMBER:		EXCITATION:	



FUNCTION: FRAME SYNC

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 14 (22.0 KC)

DRAWING NO:

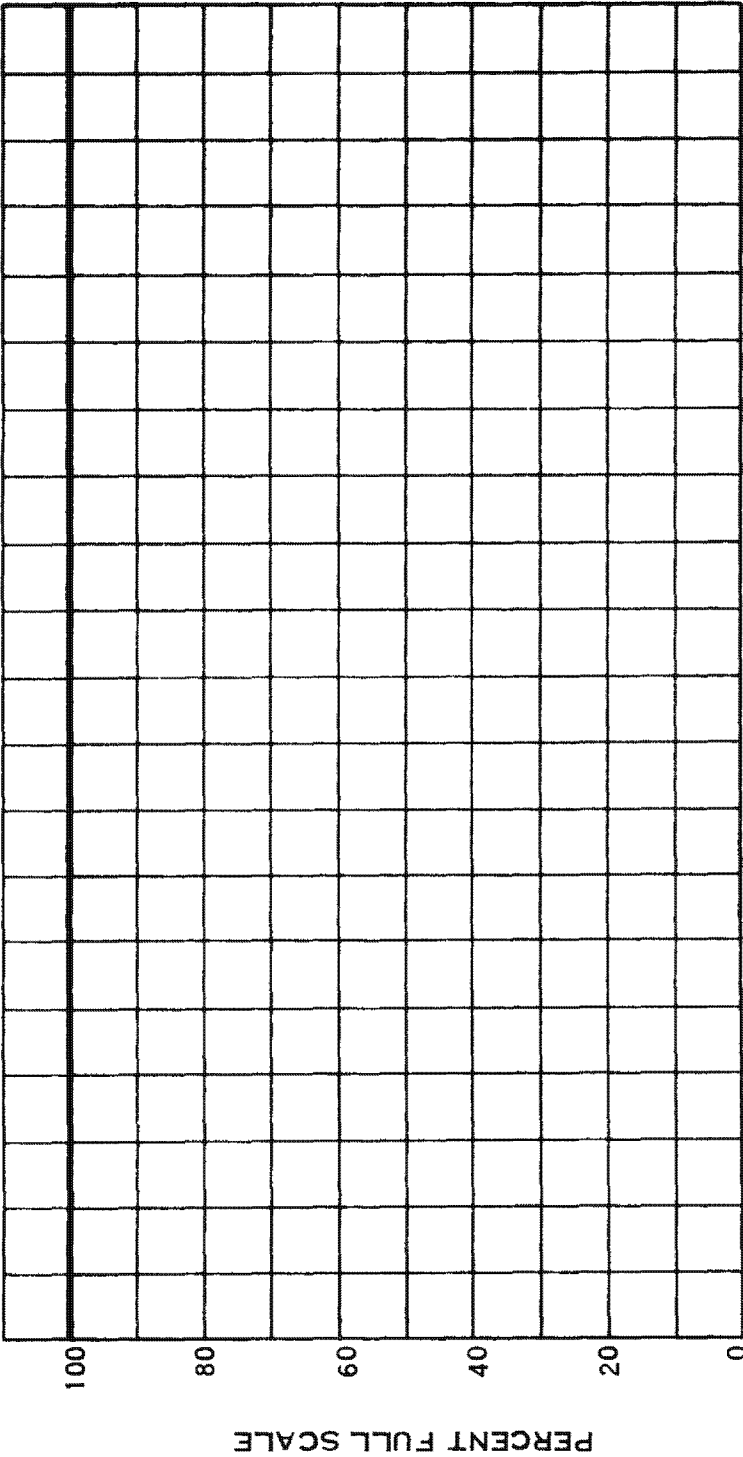
SV SECTION:

PULSE: 29

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION:	FRAME SYNC	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	14 (22.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	30
"A" NUMBER:	DATA SOURCE:	EXCITATION:	

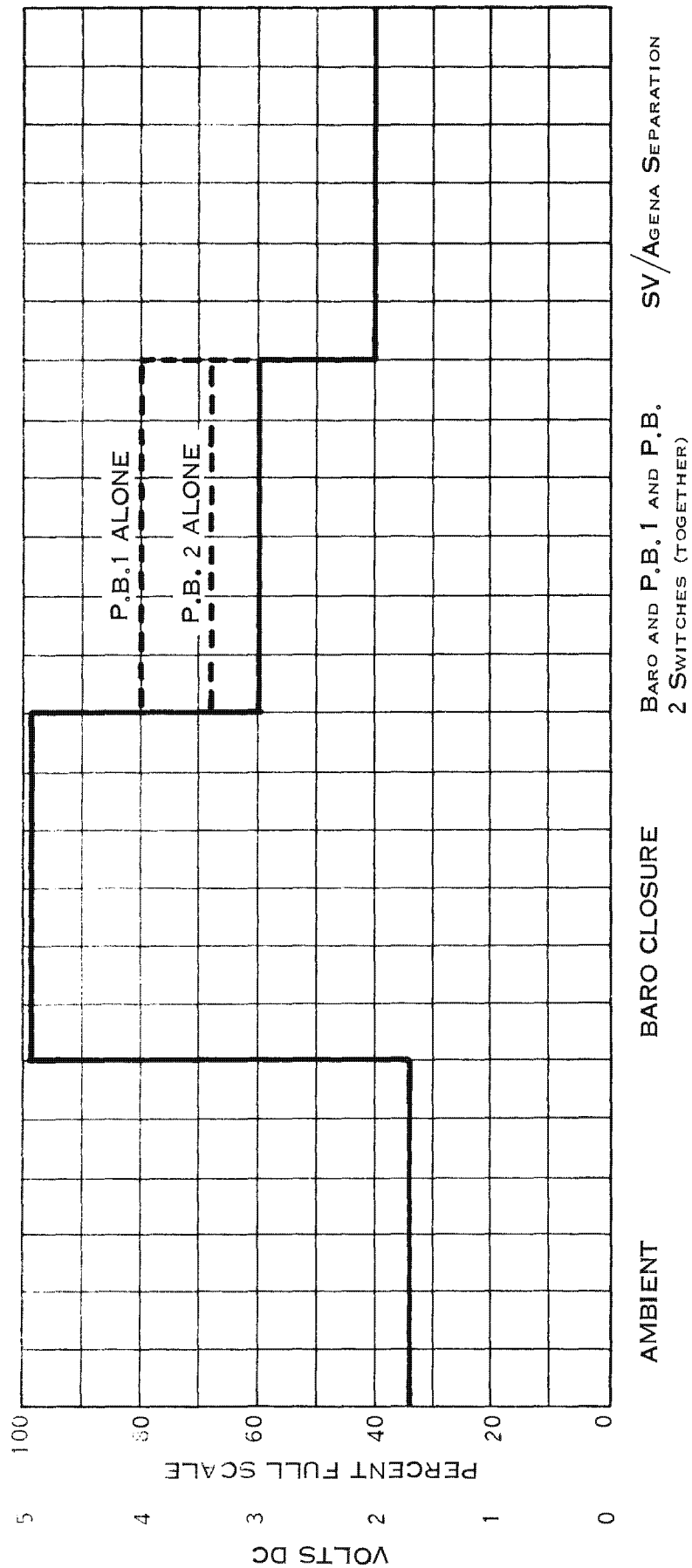
BAND 15
30.0 KC

VOLTS	CONTINUITY	PRESSURE SWITCH
1.150	YES	No AMBIENT
3.700	YES	YES DISCONNECT 1
3.700	YES	YES DISCONNECT 2
2.800	No	YES ARM
(OPEN)	No	YES TRANSFER

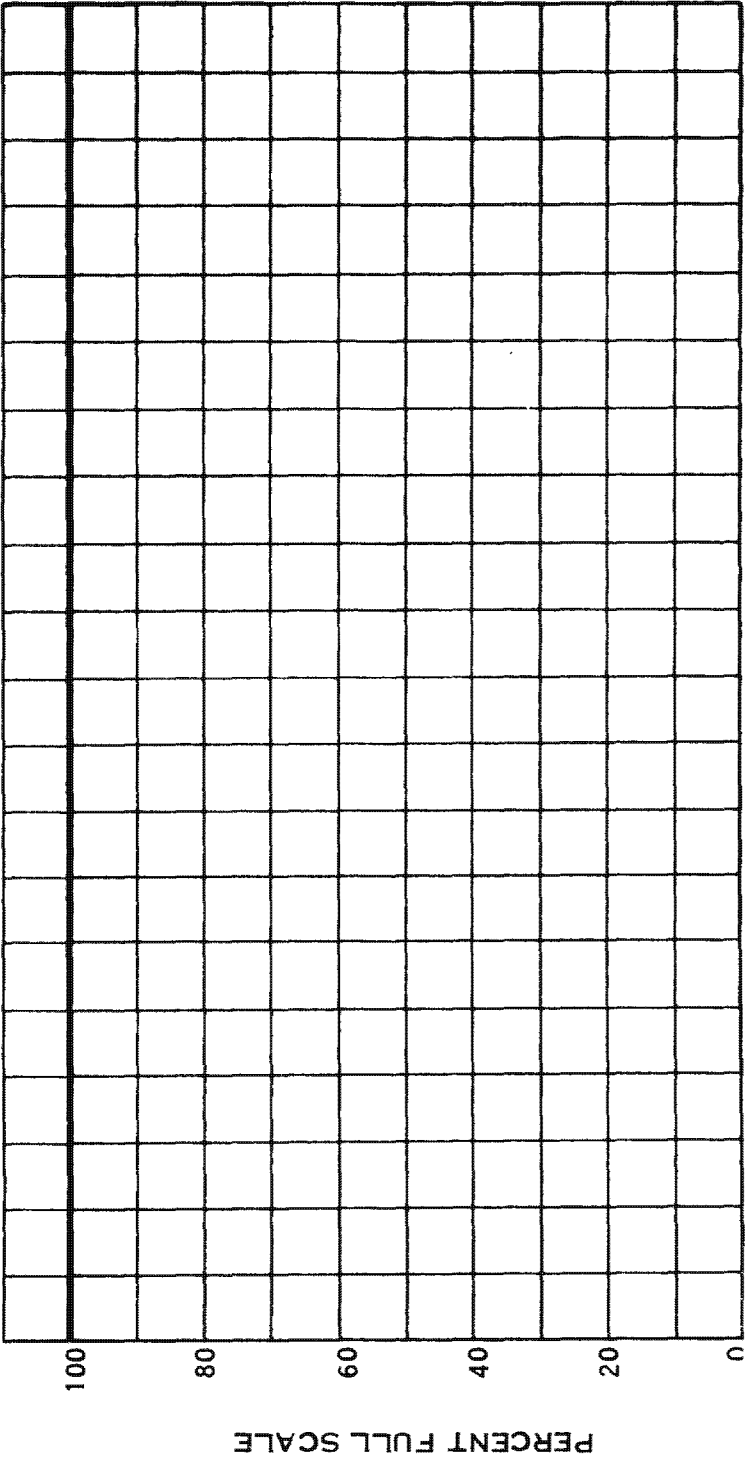
MALFUNCTIONS

0.000 No No

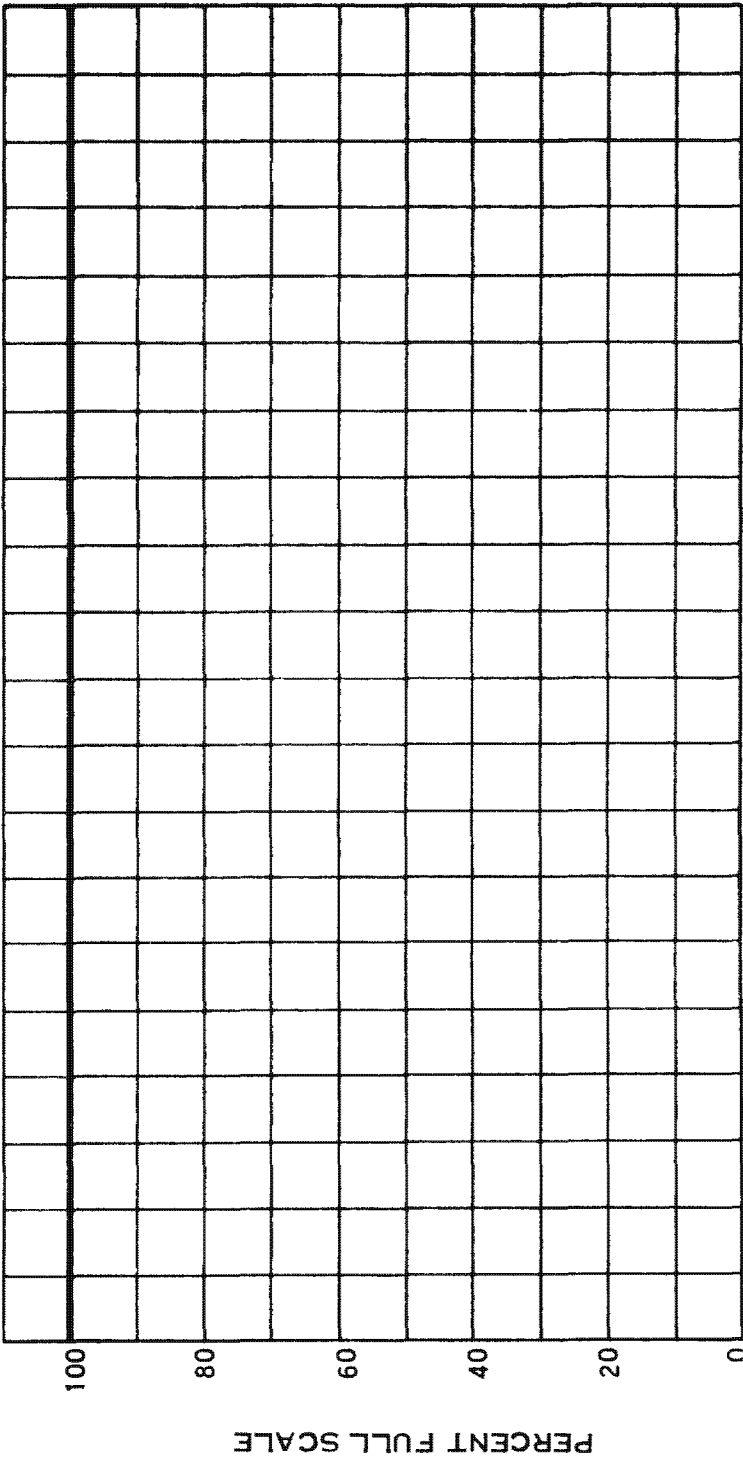
FUNCTION	H30	CONTINUITY	LOOP/SEPARATION	EVENTS	VEHICLE	988
SV SECTION	SRV				BAND	15 (30.0 KC)
					PULSE	1
					EXCITATION	28 VDC



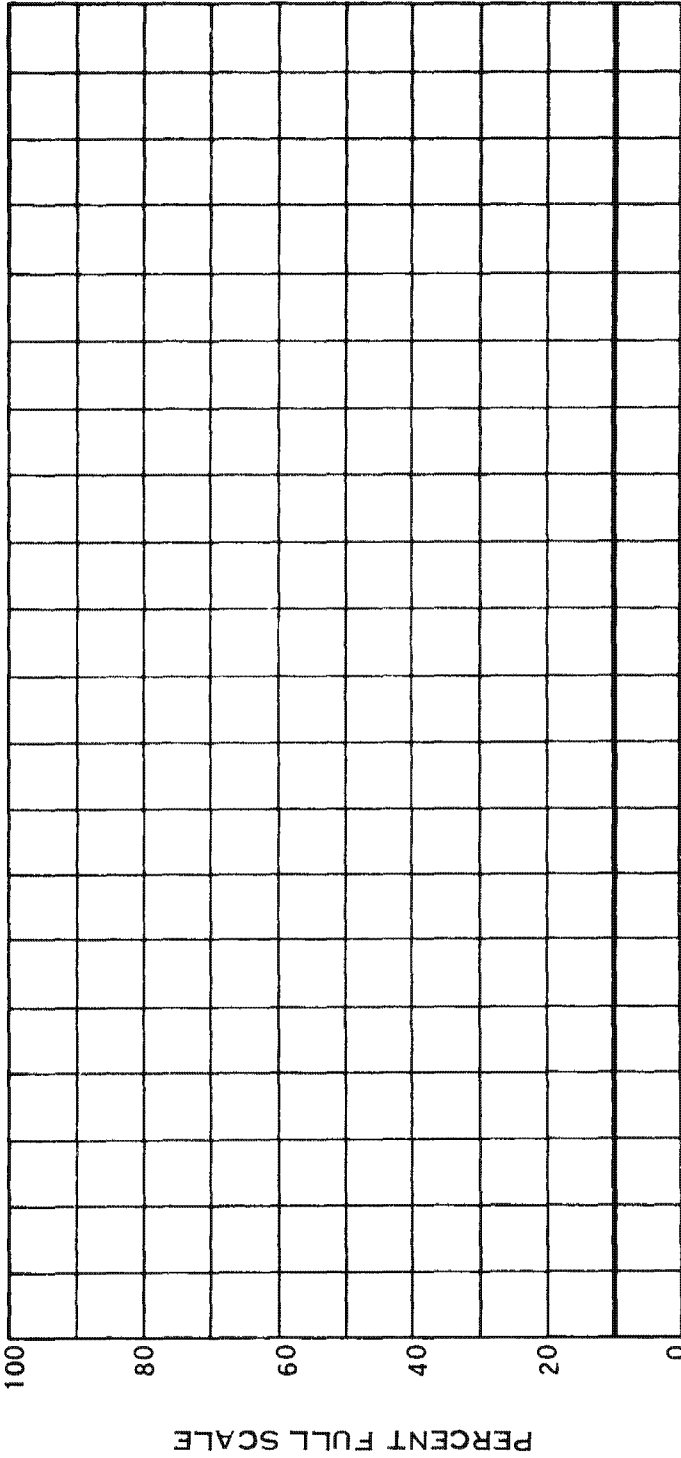
FUNCTION: SEPARATION MONITOR NO. 1
RANGE: STA/RAD: 78/170°
DRAWING NO: 725E788 G2 SV SECTION: 4
"A" NUMBER: 760 DATA SOURCE: SYSTEMS DATA
VEHICLE: 988
BAND: 15 (30.0 KC)
PULSE: 2
EXCITATION: 28 VDC



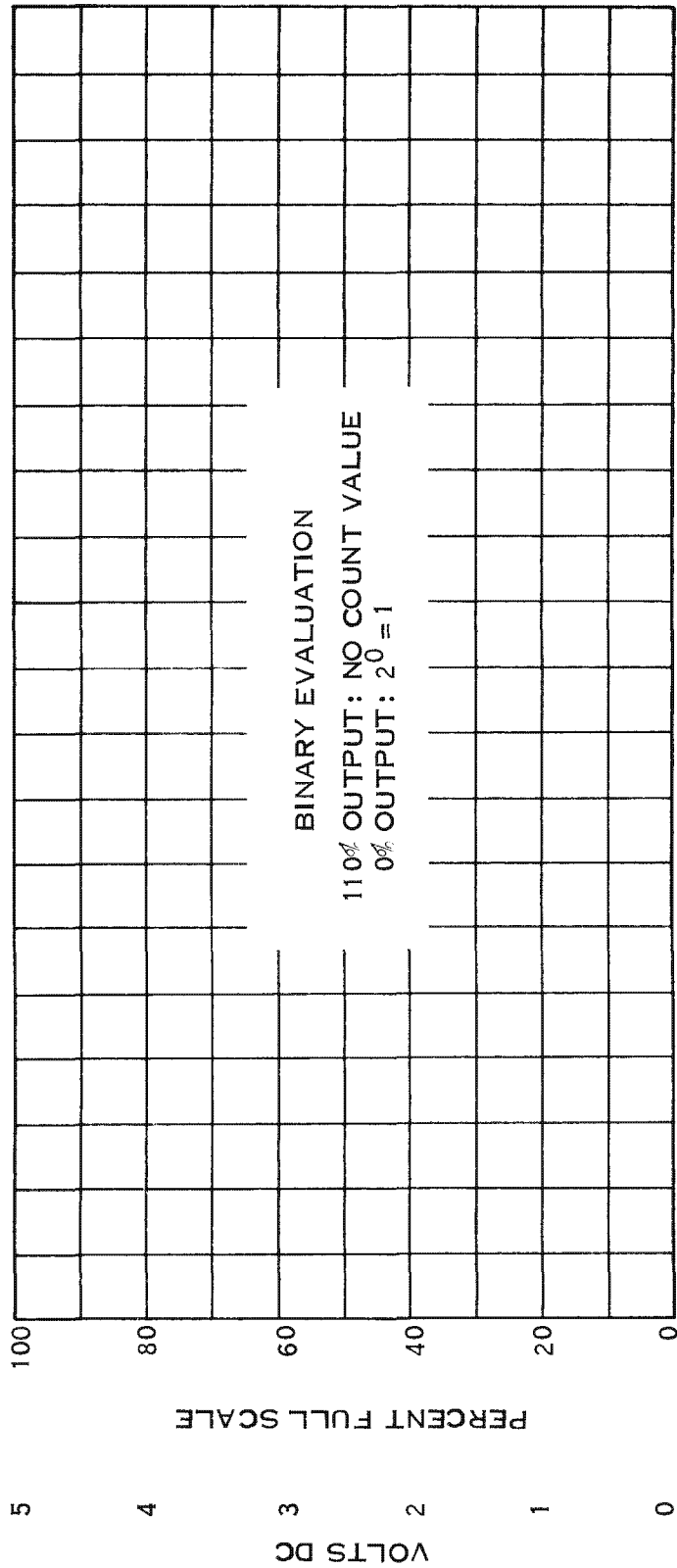
FUNCTION:	5 VDC BUS	VEHICLE:	988
RANGE:		BAND:	15 (30.0 KC)
DRAWING NO:		PULSE:	3
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



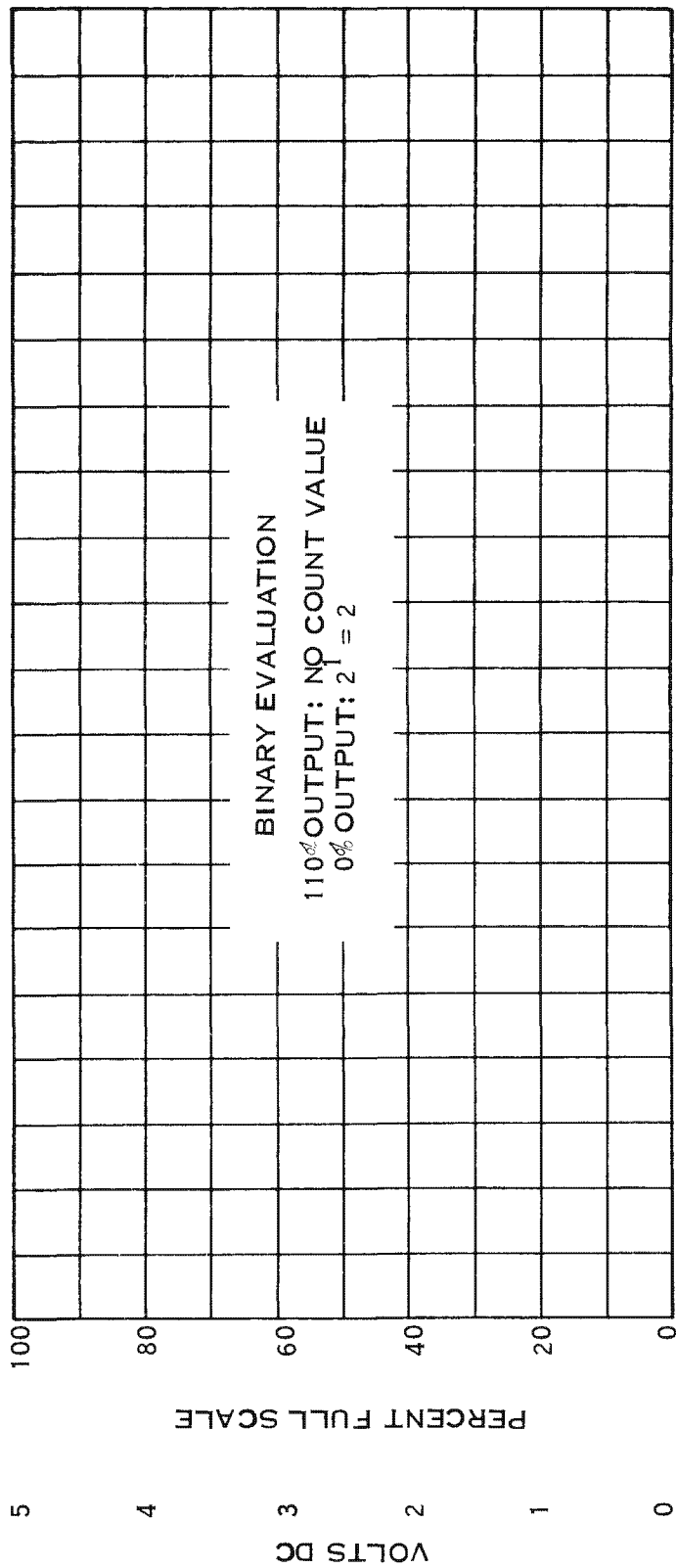
FUNCTION:	5 VDC BUS	VEHICLE:	988
RANGE:		BAND:	15 (30.0 KC)
DRAWING NO:		PULSE:	4
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION:	CALIBRATION — 10 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	15 (30.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	5
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION: SECURE WORD COUNT 1 (LEAST) VEHICLE: 988
RANGE: 0 OR 5 VOLTS STA/RAD: 188/O° BAND: 15 (30.0 KC)
DRAWING NO: 242E564 G15 SV SECTION: 6 PULSE: 6
"A" NUMBER: 357 DATA SOURCE: EXCITATION: 6 VDC REG

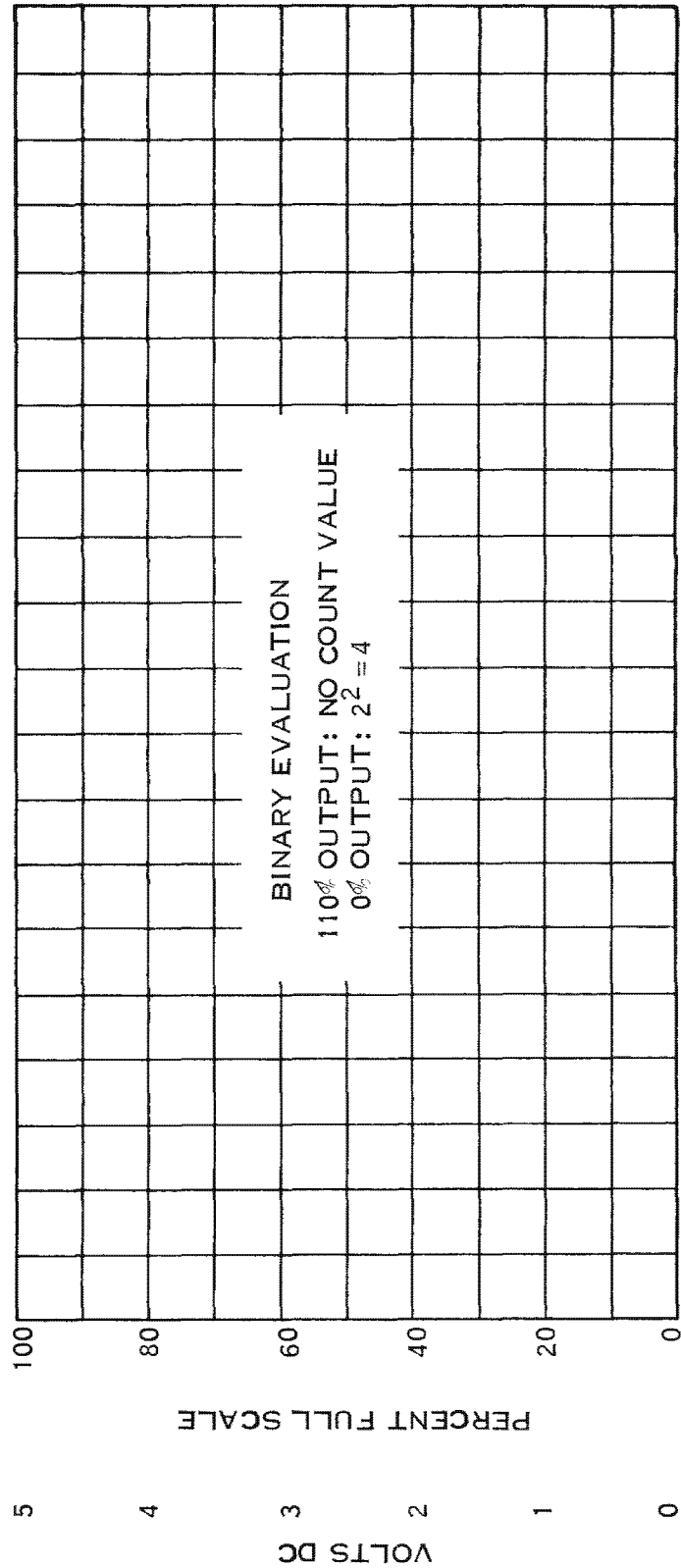


FUNCTION: SECURE WORD COUNT 2 VEHICLE: 988

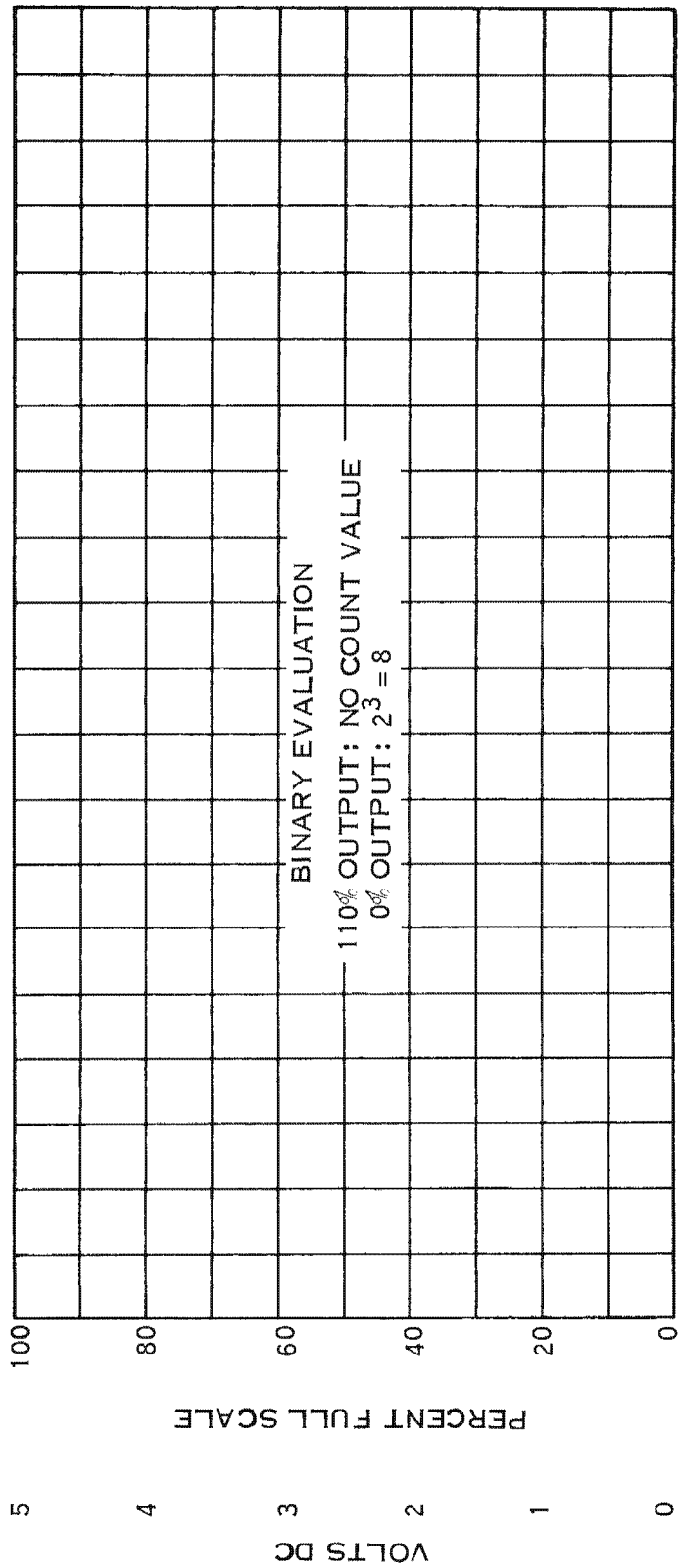
RANGE: 0 OR 5 VOLTS STA/RAD: 188/0° BAND: 15 (30.0 KC)

DRAWING NO: 242E564 G15 SV SECTION: 6 PULSE: 7

"A" NUMBER: 357 DATA SOURCE: EXCITATION: 6 VDC REG



FUNCTION: SECURE WORD COUNT 3 VEHICLE: 988
 RANGE: 0 OR 5 VOLTS STA/RAD: 188/O° BAND: 15 (30.0 KC)
 DRAWING NO: 242E564 G15 SV SECTION: 6 PULSE: 8
 "A" NUMBER: 357 DATA SOURCE: EXCITATION: 6 VDC REG

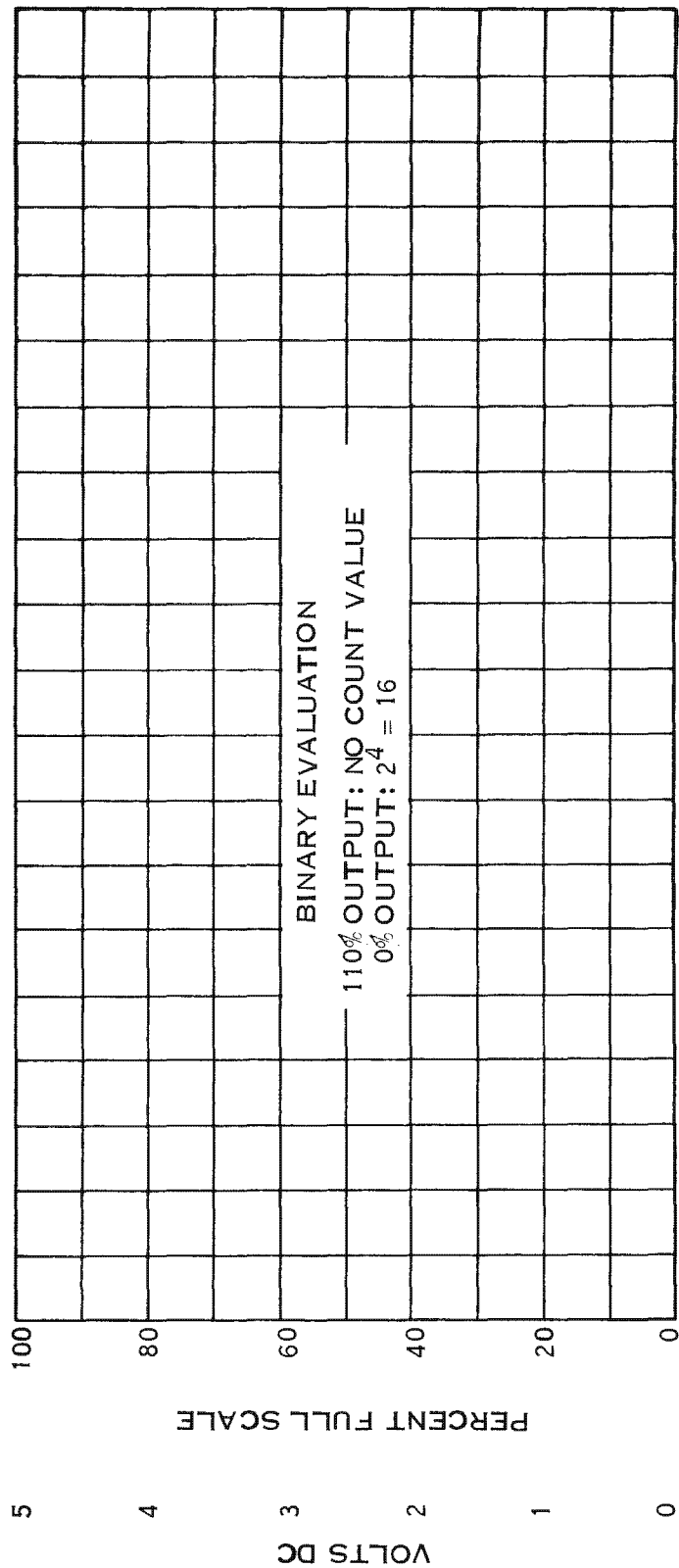


FUNCTION: SECURE WORD COUNT 4 VEHICLE: 988

RANGE: 0 OR 5 VOLTS STA/RAD: 188/O° BAND: 15 (30.0 KC)

DRAWING NO: 242E564 G15 SV SECTION: 6 PULSE: 9

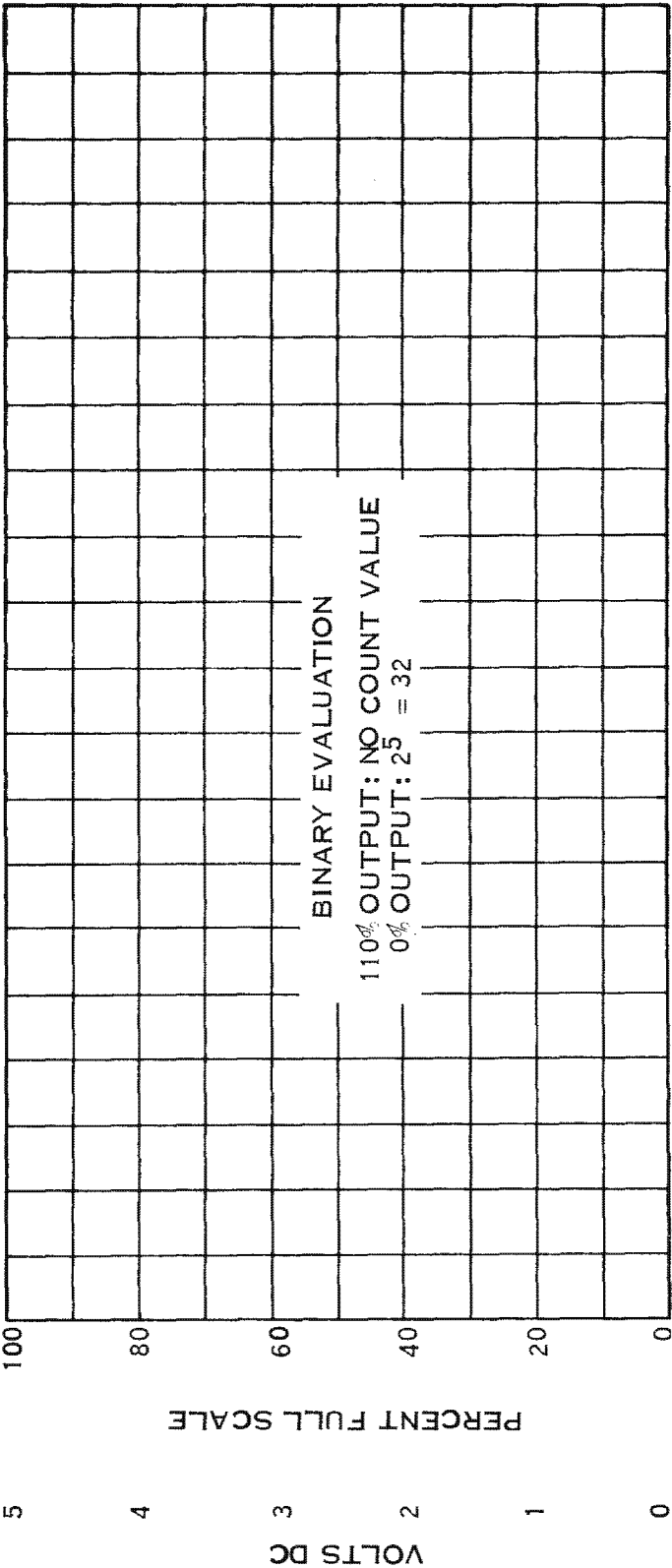
"A" NUMBER: 357 DATA SOURCE: EXCITATION: 6 VDC REG



FUNCTION:	SECURE WORD COUNT 5	VEHICLE:	988
RANGE:	0 OR 5 VOLTS	BAND:	15 (30.0 KC)
DRAWING NO:	242E564 G15	PULSE:	10
"A" NUMBER:	357	EXCITATION:	6 VDC REG

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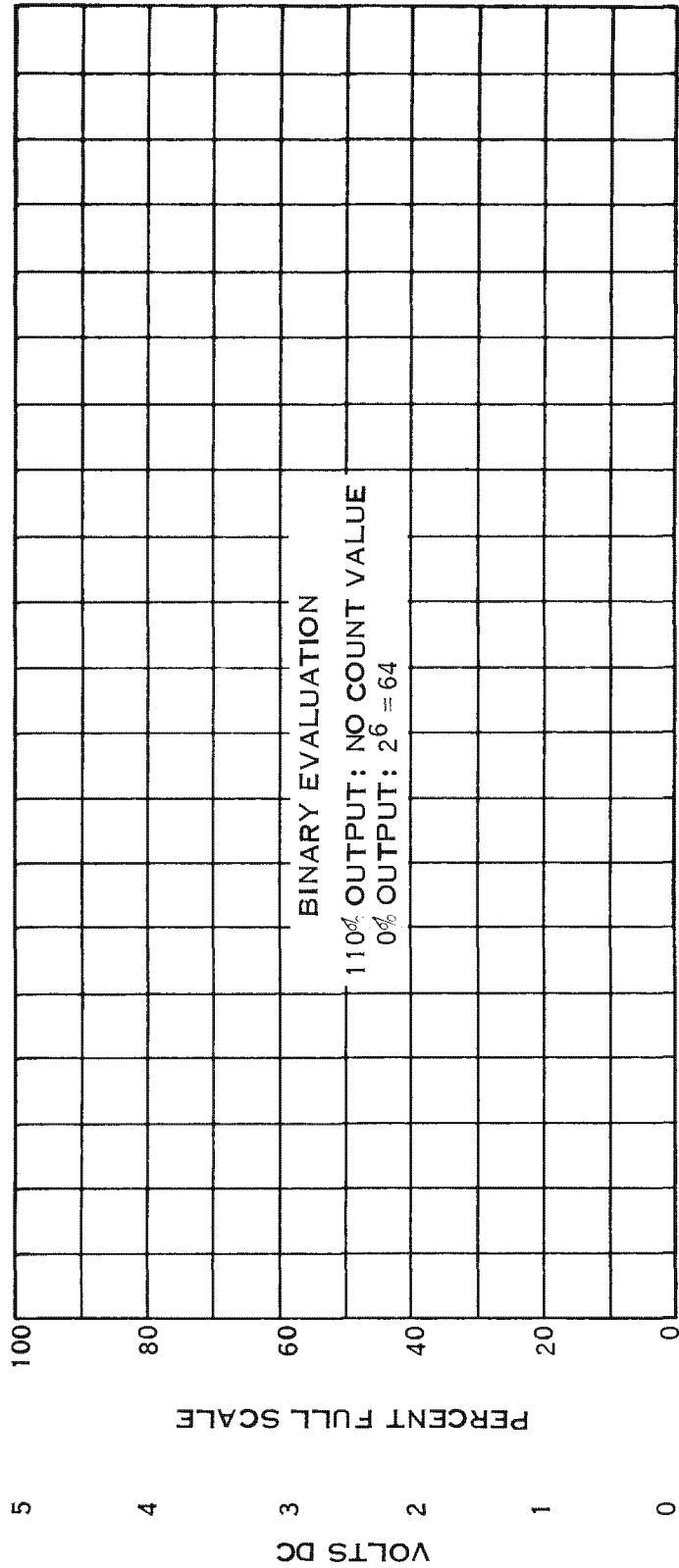


FUNCTION: SECURE WORD COUNT 6 VEHICLE: 988

RANGE: 0 OR 5 VOLTS STA/RAD: 188/0° BAND: 15 (30.0 KC)

DRAWING NO: 242E564 G15 SV SECTION: 6 PULSE: 11

"A" NUMBER: 357 DATA SOURCE: EXCITATION: 6 VDC REG

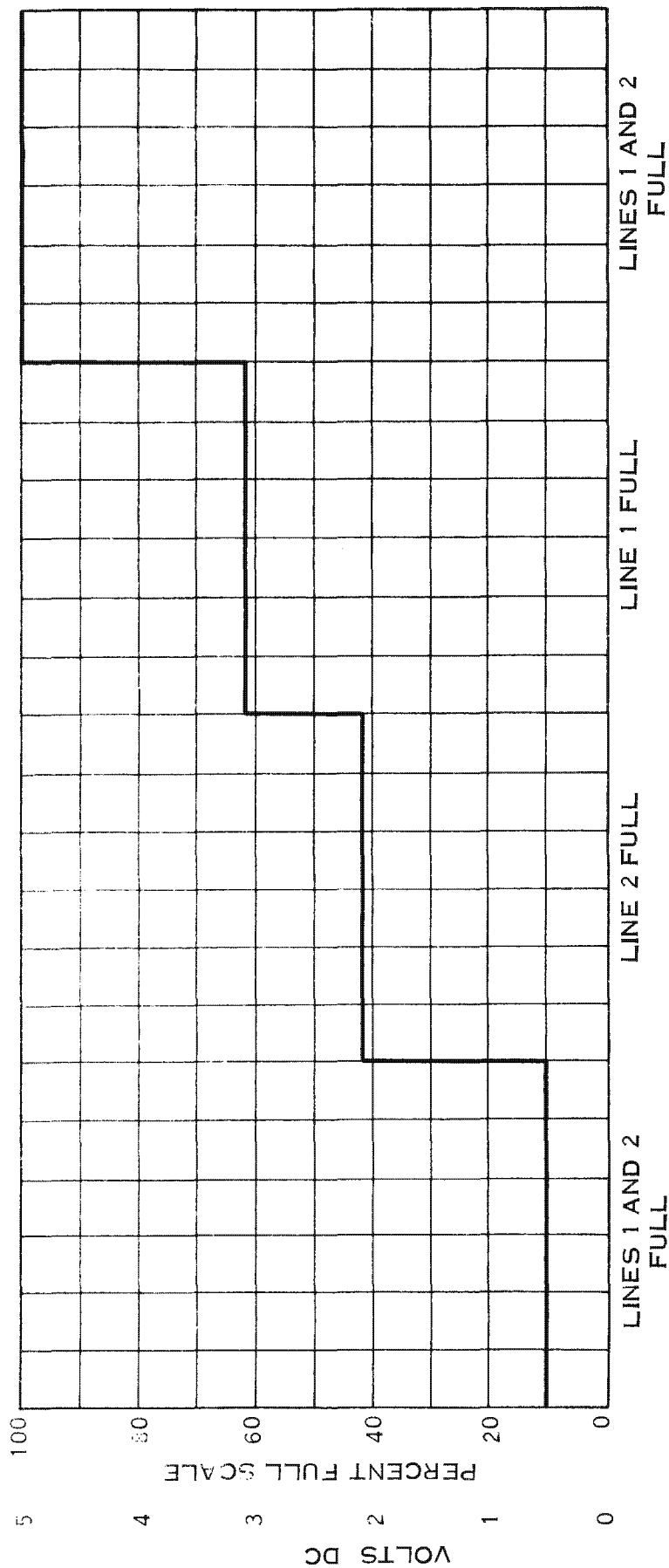


FUNCTION: SECURE WORD COUNT 7 (MOST) VEHICLE: 988

RANGE: 0 OR 5 VOLTS STA/RAD: 188/O° BAND: 15 (30.0 KC)

DRAWING NO: 242E564 G15 SV SECTION: 6 PULSE: 12

"A" NUMBER: 357 DATA SOURCE: EXCITATION: 6 VDC REG



FUNCTION: DELAY LINE 1 AND /2 FULL

VEHICLE: 988

RANGE:

STA/RAD: 173/0°

BAND: 15 (30.0 KC)

DRAWING NO: 103C4975 P3

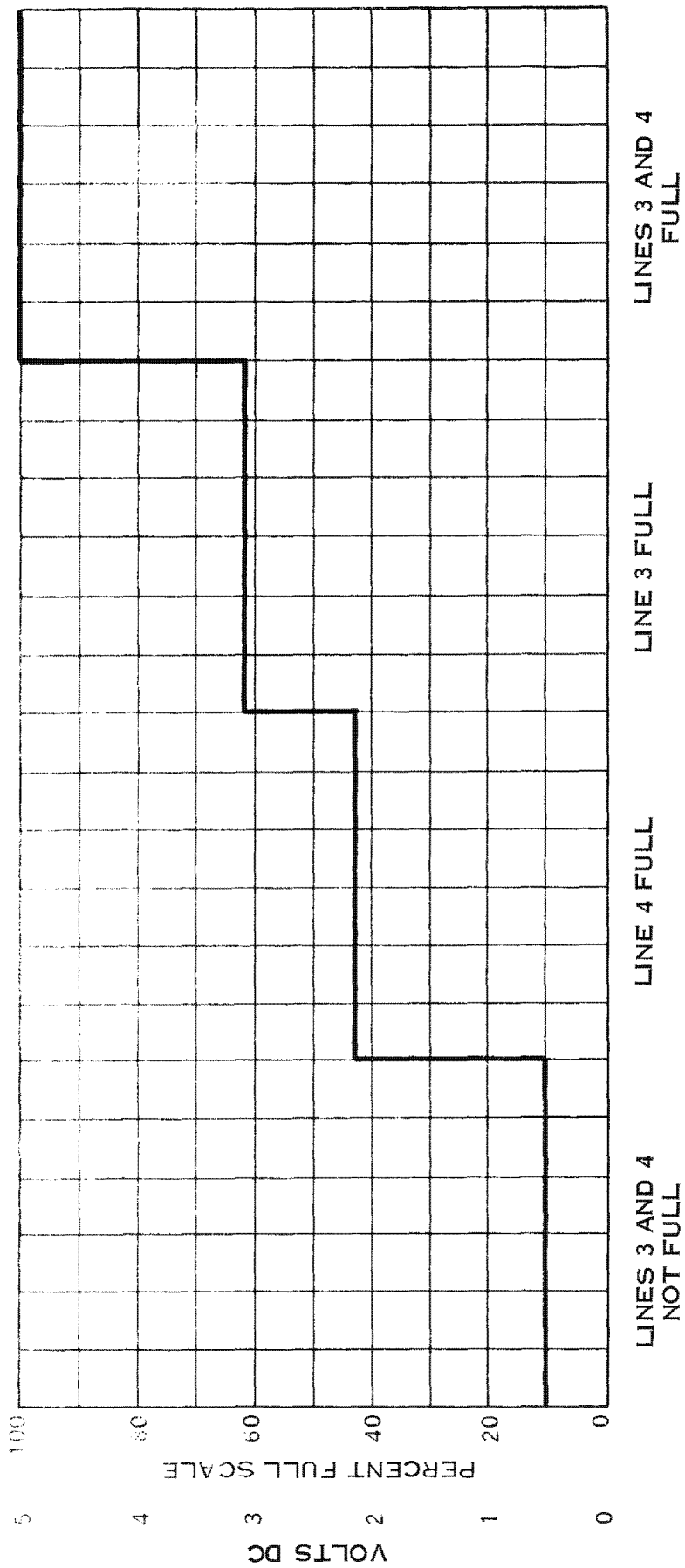
SV SECTION: 6

PULSE: 13

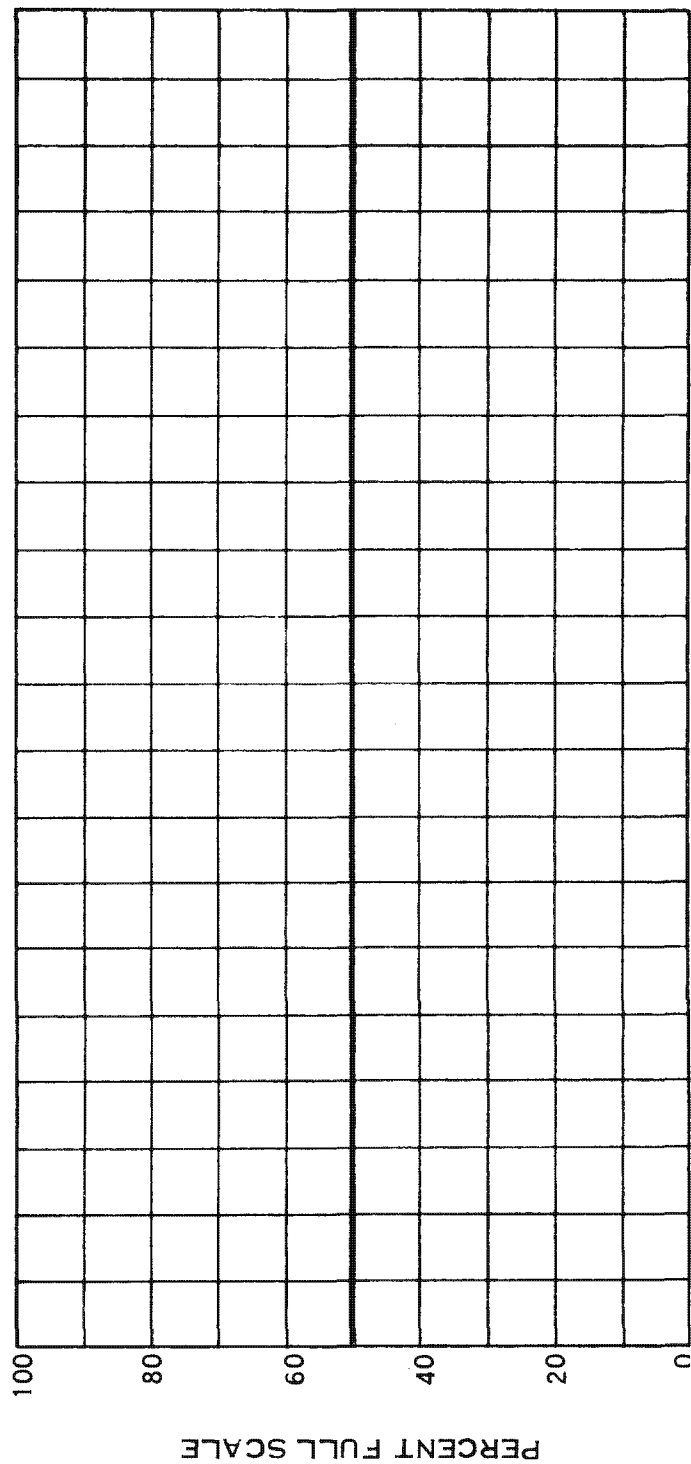
"A" NUMBER: 359

DATA SOURCE: SYSTEMS DATA

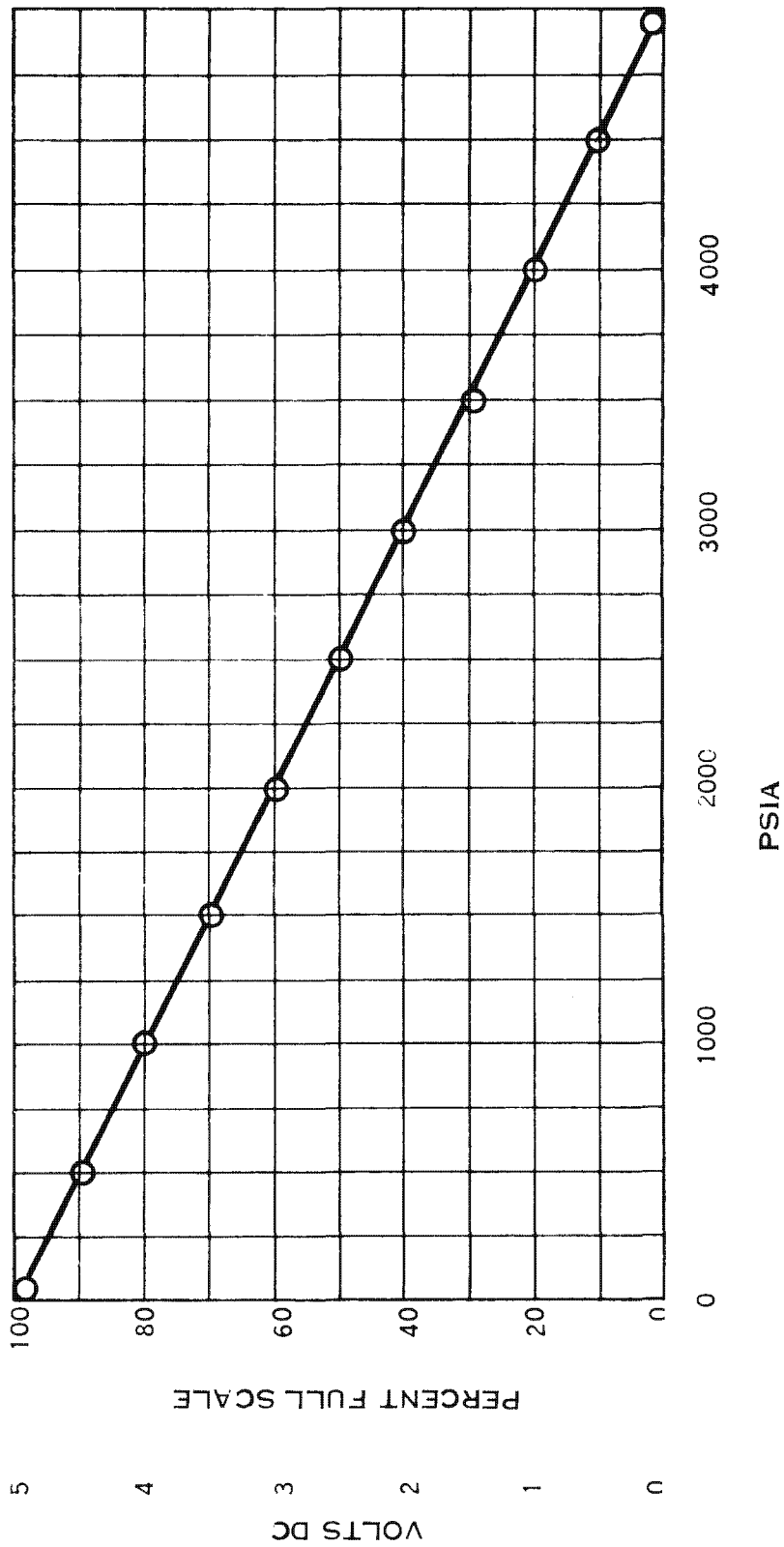
EXCITATION: 6 VDC REG.



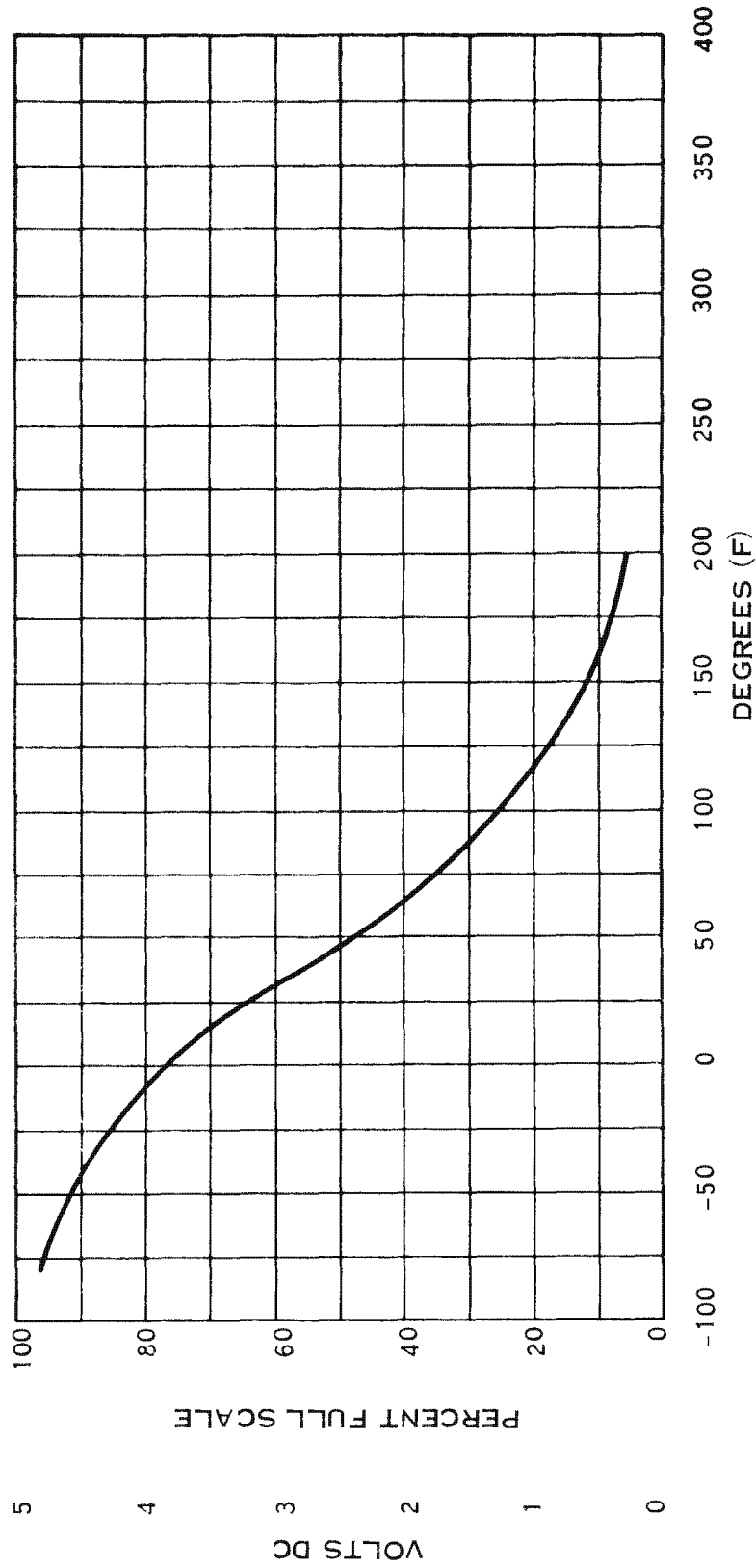
FUNCTION: DELAY LINE 3 AND/OR FULL
RANGE: STA/RAD: 173/0°
DRAWING NO: 103C4975 P3 SV SECTION: 6
"A" NUMBER: 359 DATA SOURCE: SYSTEMS DATA
VEHICLE: 988
BAND: 15 (30.0 KC)
PULSE: 14
EXCITATION: 6 VDC REG.



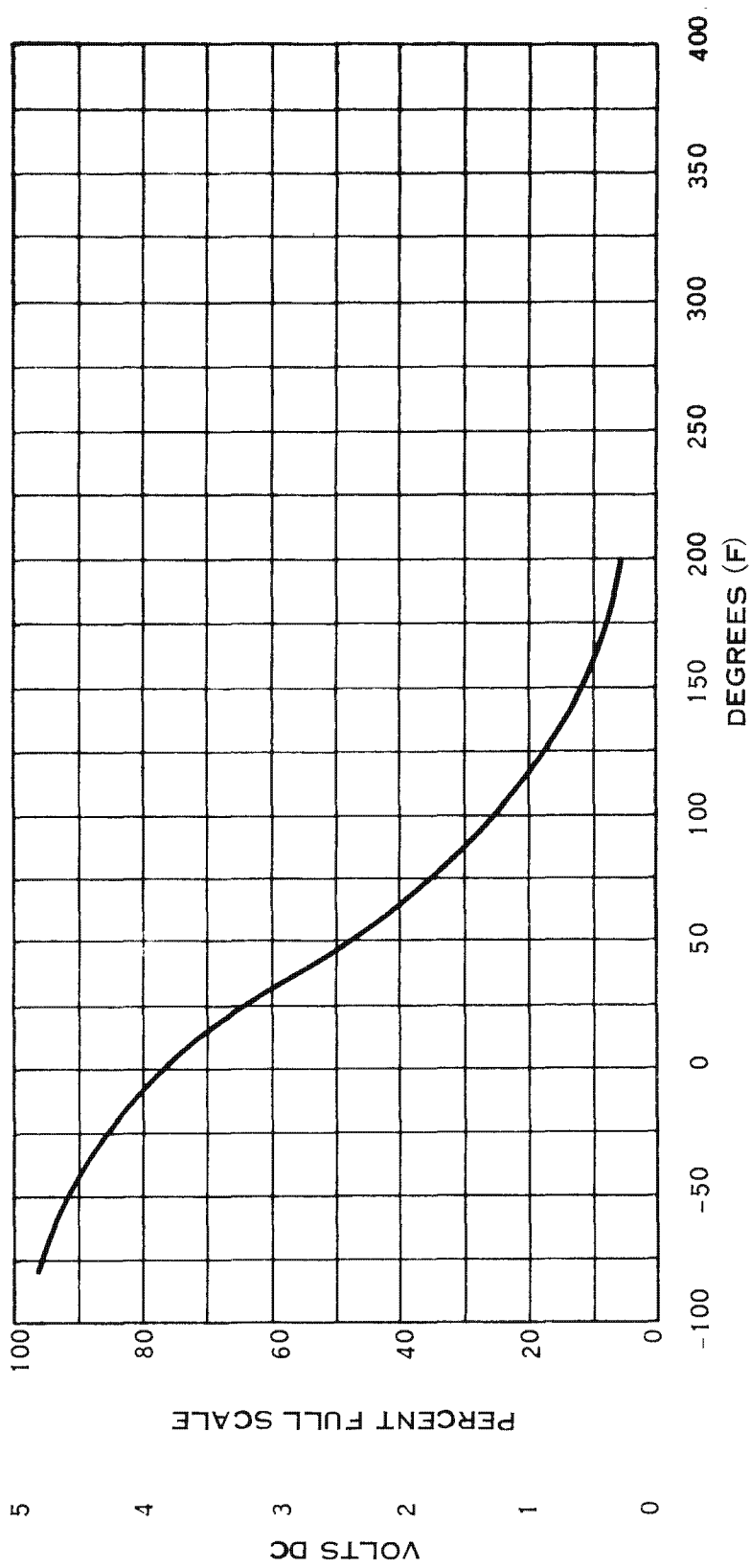
FUNCTION:	CALIBRATION — 50 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	15 (30.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	15
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



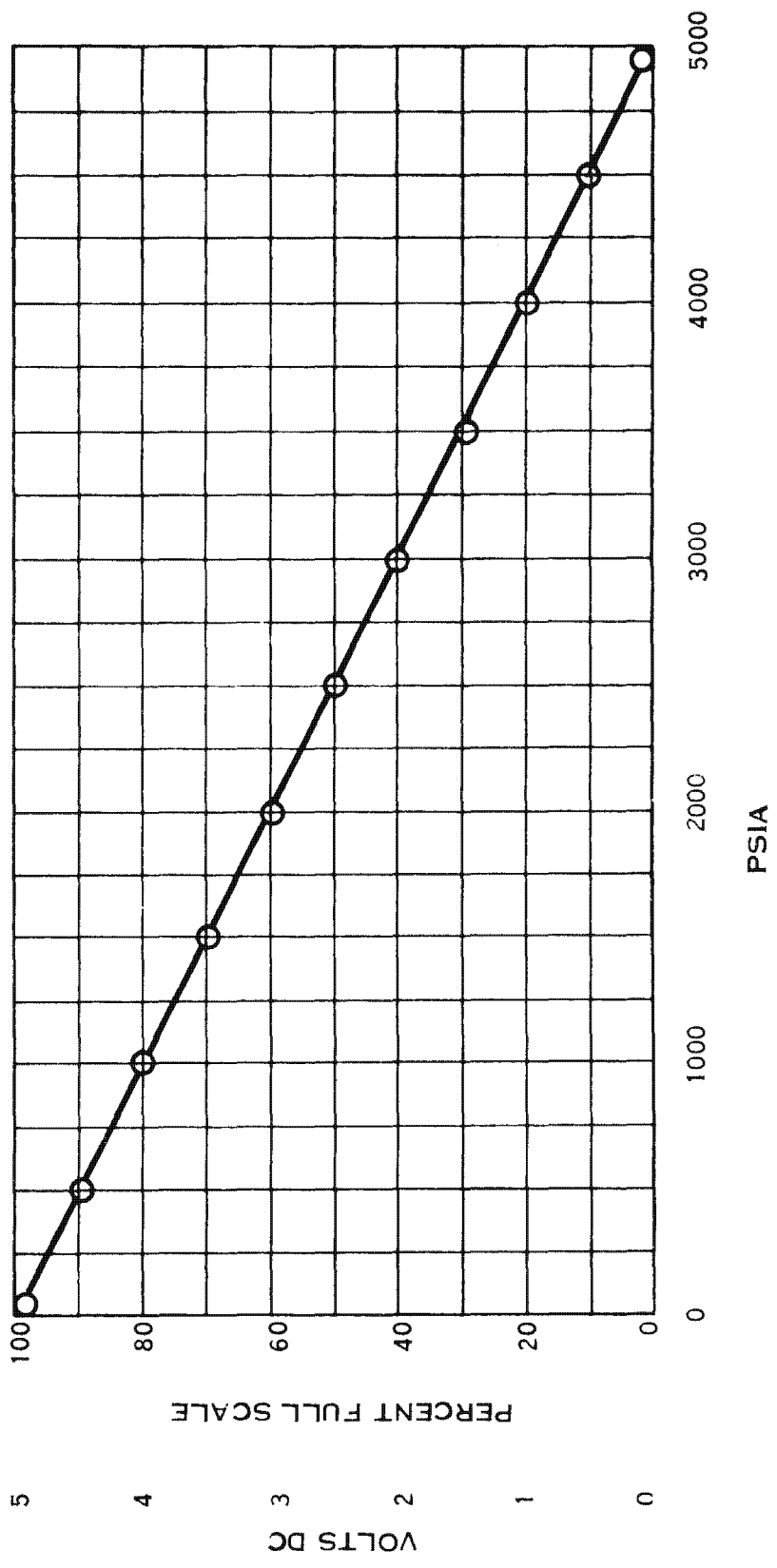
FUNCTION: PRESSURE, O/A N(2) REG. INLET
RANGE: 0 TO 5000 PSIA
DRAWING NO: 115C7219 P1
"A" NUMBER: 801
VEHICLE: 988
BAND: 15 (30.0 KC)
PULSE: 16
EXCITATION: 5 VDC
STA/RAD: 198/0°
SV SECTION: 6
DATA SOURCE: COMPONENT DATA



FUNCTION: TEMPERATURE, COLD GAS TANK VEHICLE: 988
RANGE: -80 TO 200 DEGREES F STA/RAD: 217 / 38° BAND: 15 (30.0 KC)
DRAWING NO: 115C7168 G1 SV SECTION: 6.1 PULSE: 17
"A" NUMBER: 116 DATA SOURCE: STANDARD CURVE EXCITATION: 5 VDC



FUNCTION:	TEMPERATURE, COLD GAS TANK	VEHICLE:	988
RANGE:	-80 TO 200 DEGREES F	BAND:	15 (30.0 KC)
DRAWING NO:	115C7168 G1	PULSE:	18
"A" NUMBER:	117	EXCITATION:	5 VDC
		DATA SOURCE:	STANDARD CURVE



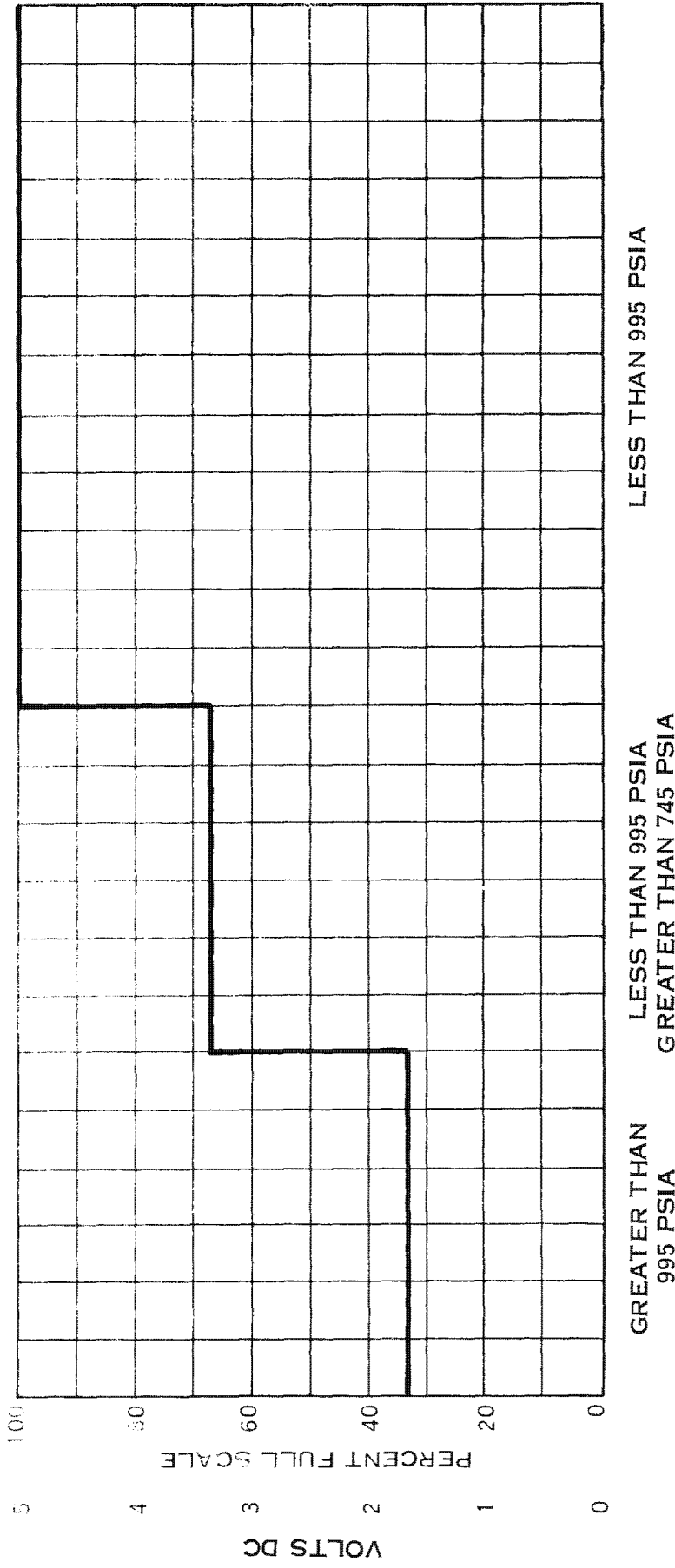
FUNCTION: PRESSURE ATTITUDE CONTROL STORAGE TANK VEHICLE: 988

RANGE: 0 TO 5000 PSIA STA/RAD: BLKHD FWD/Q I BAND: 15 (30.0 KC)

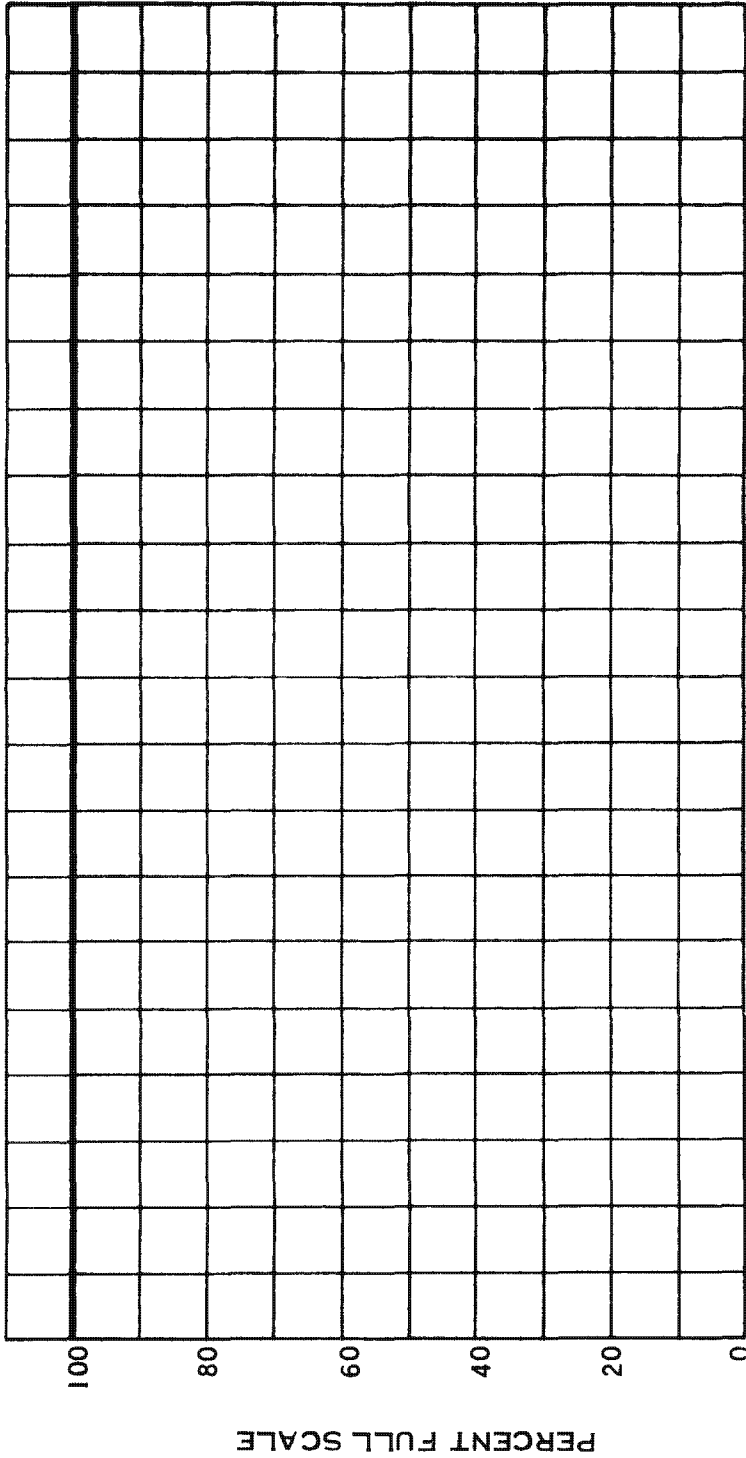
DRAWING NO: 125C2109 P1 SV SECTION: 6.1 PULSE: 19

"A" NUMBER: 986 DATA SOURCE: COMPONENT DATA EXCITATION: 28 VDC

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FUNCTION: PRESSURE SWITCH, COLD GAS VEHICLE: 988
RANGE: 0 TO 1000 PSIA STA/RAD: 216/0° BAND: 15 (30.0 KC)
DRAWING NO: 115C7236 P1 SV SECTION: 6.1 PULSE: 20
"A" NUMBER: 1025 DATA SOURCE: PNEUMATICS SI 238131 EXCITATION: 5 VDC



FUNCTION: 5 V BUS

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 15 (30.0 KC)

DRAWING NO:

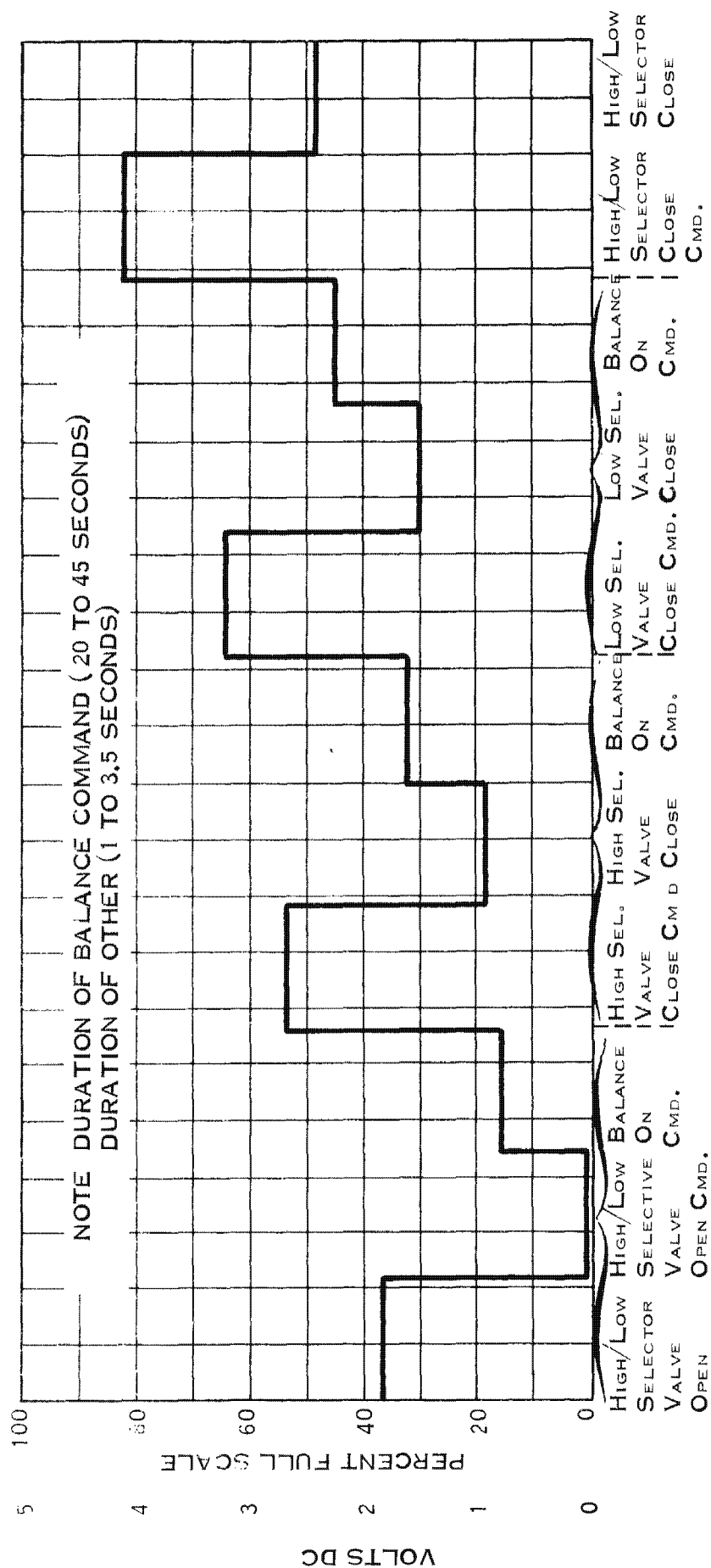
SV SECTION:

PULSE: 21

"A" NUMBER:

DATA SOURCE:

EXCITATION:



FUNCTION: REDUNDANT PNEUMATICS

VEHICLE: 988

RANGE:

STA/RAD: 135/15°

BAND: 15 (30.0 KC)

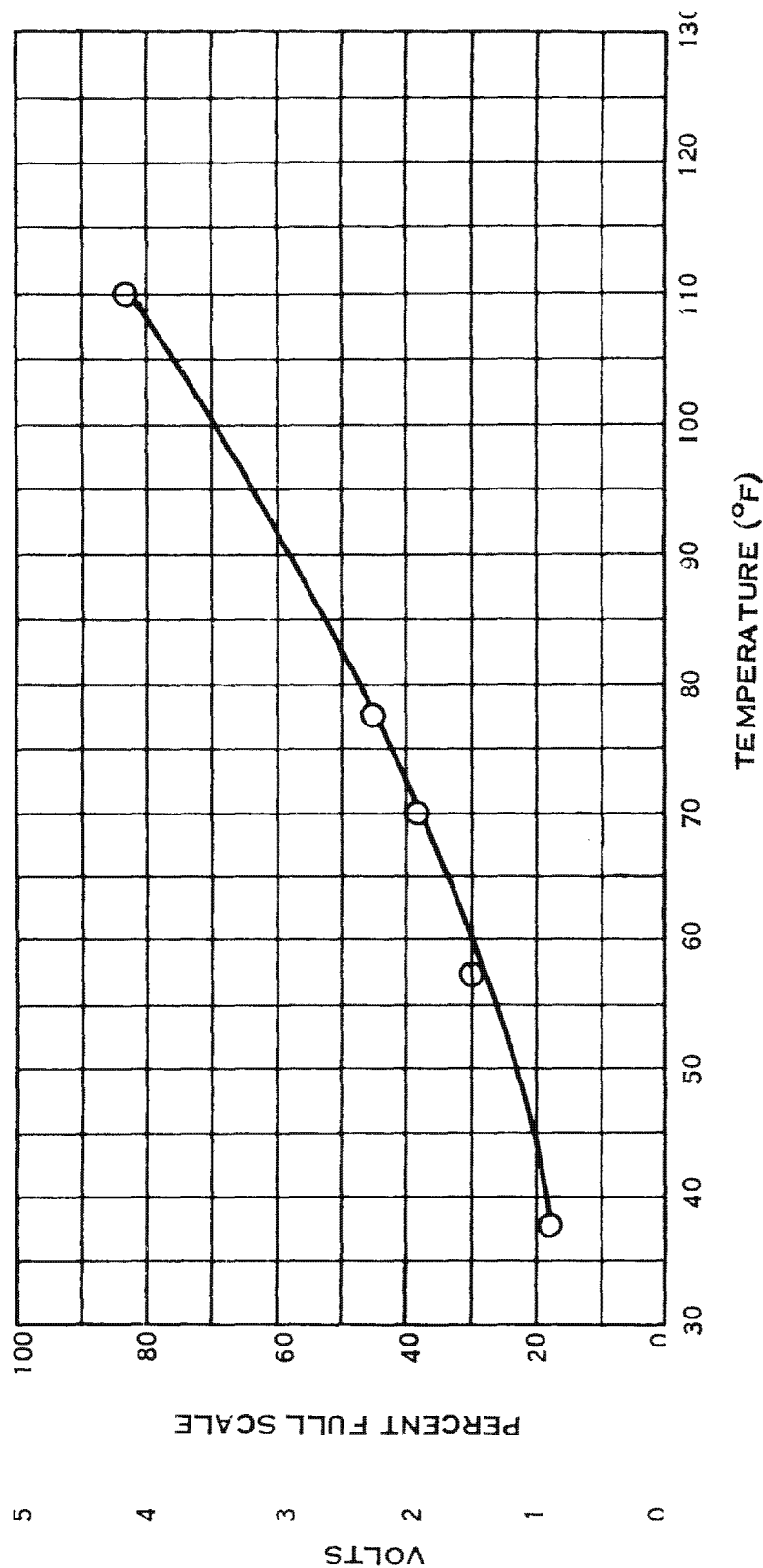
DRAWING NO: 748E551 G2

SV SECTION: 6

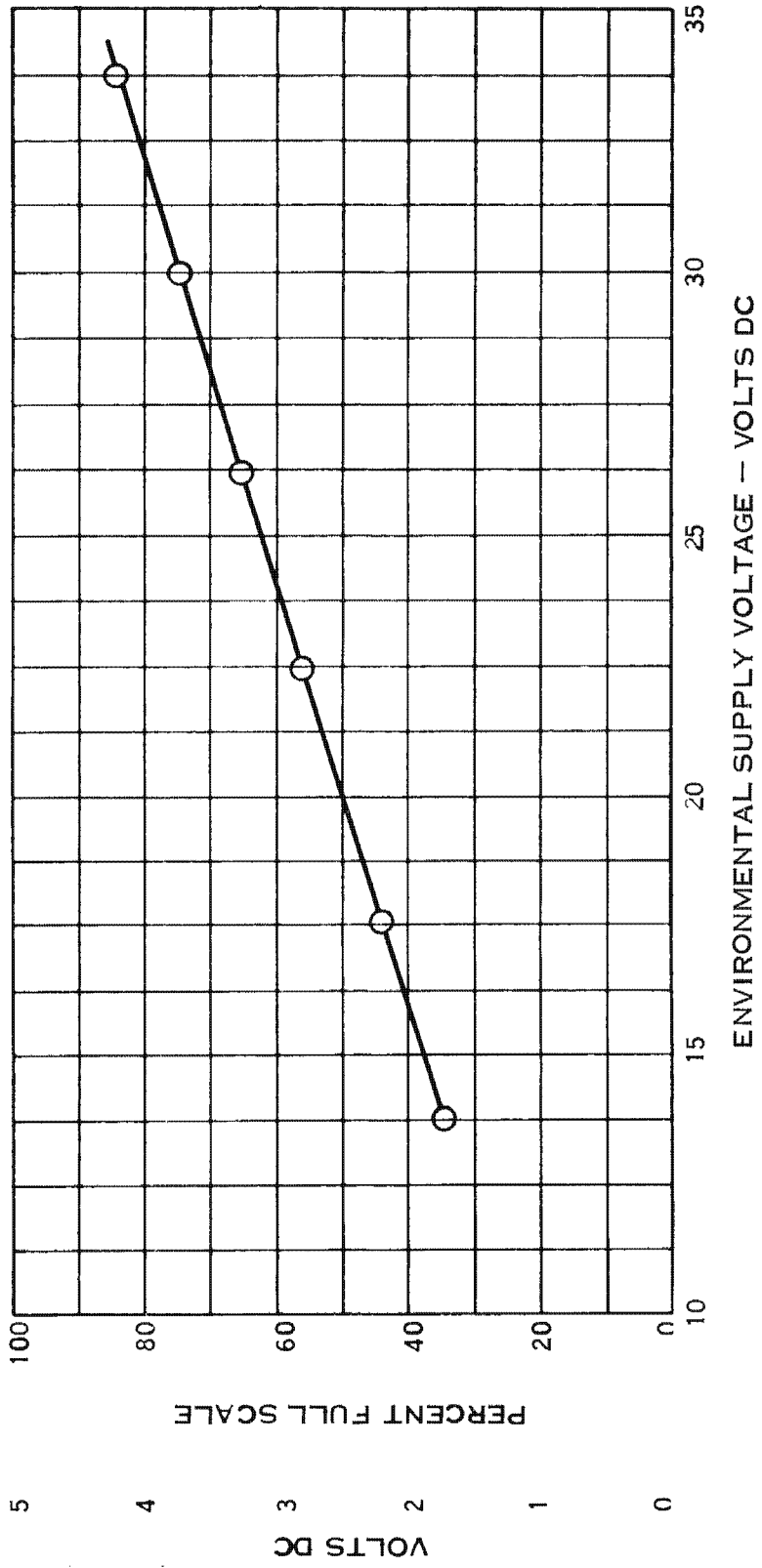
22

"A" NUMBER: 1034

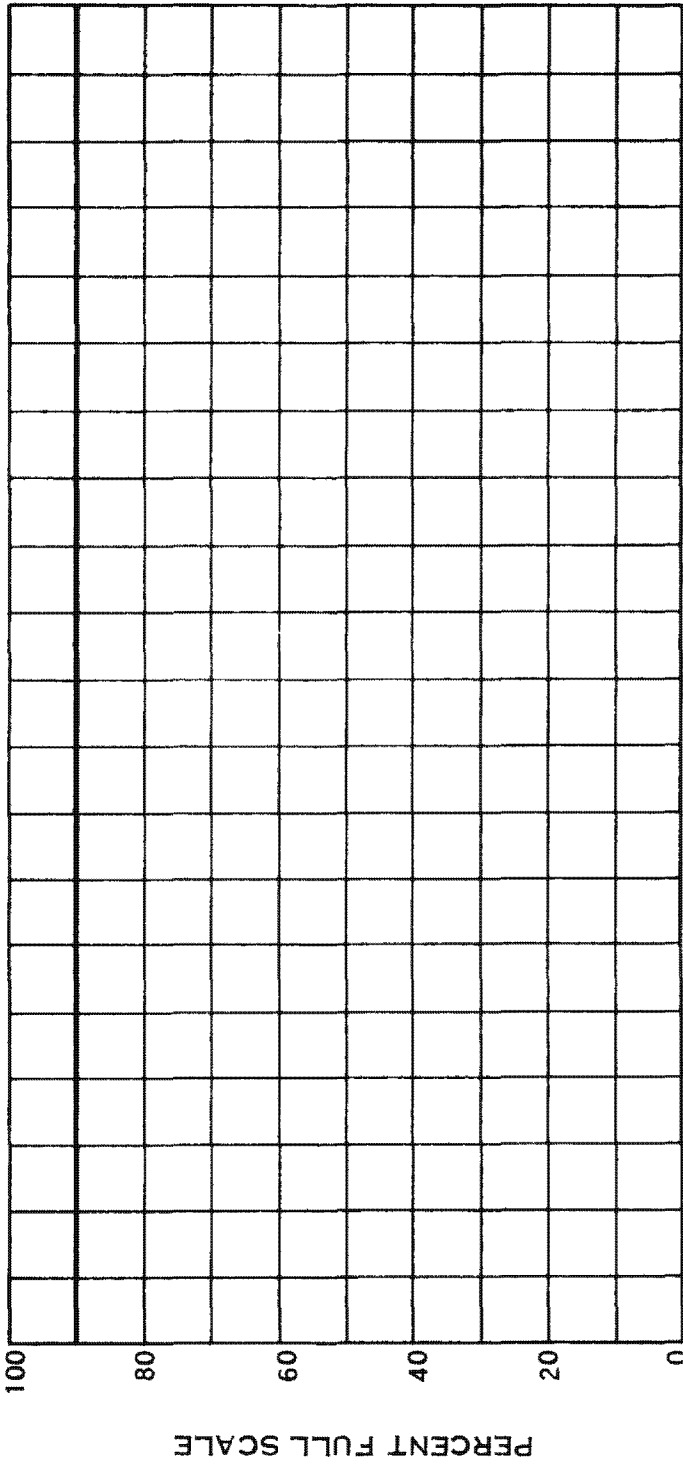
DATA SOURCE: SYSTEMS DATA EXCITATION: 26 VDC



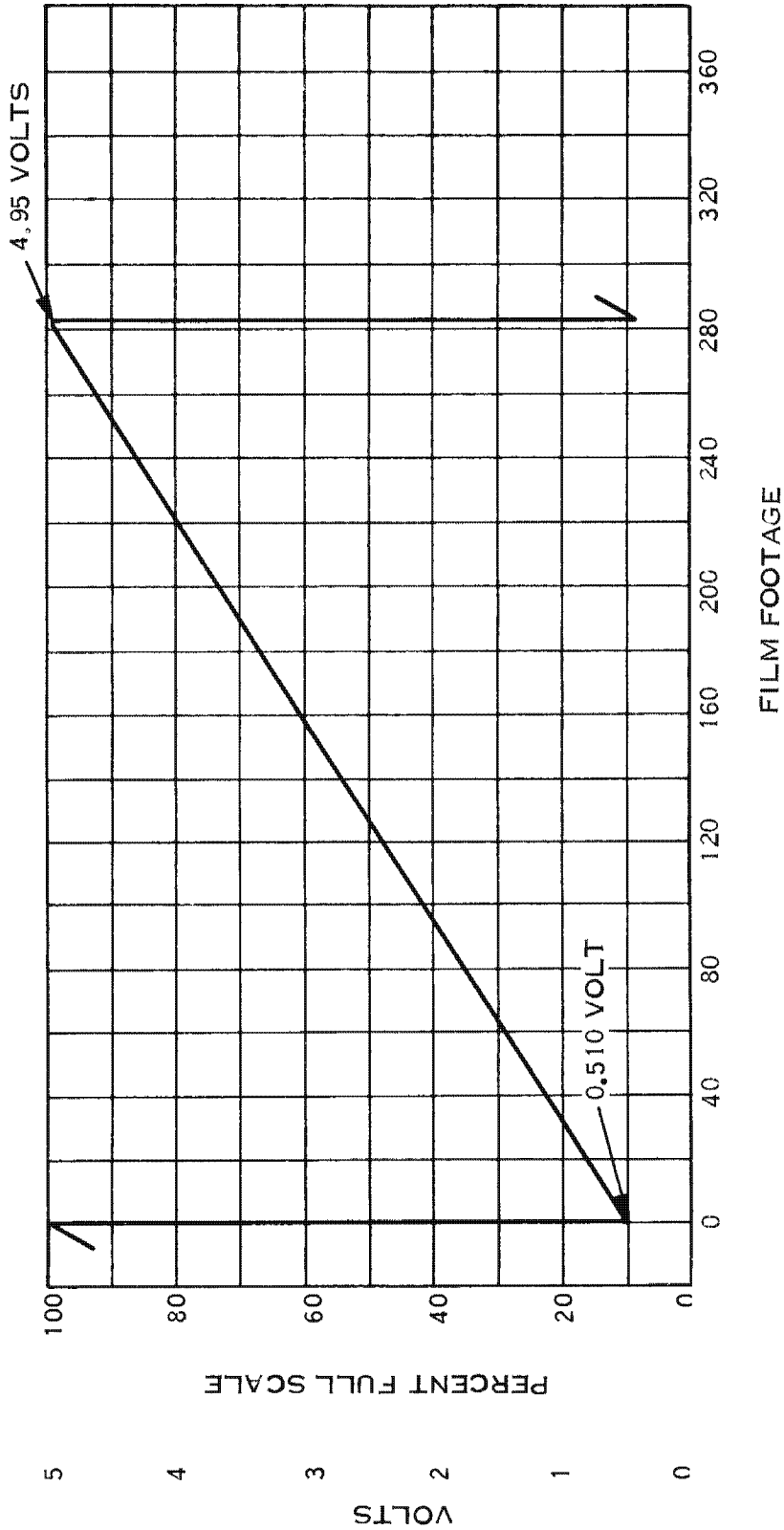
FUNCTION:	GFE 1-11	VEHICLE:	988
RANGE:		BAND:	15 (30.0 KC)
DRAWING NO:		PULSE:	23
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



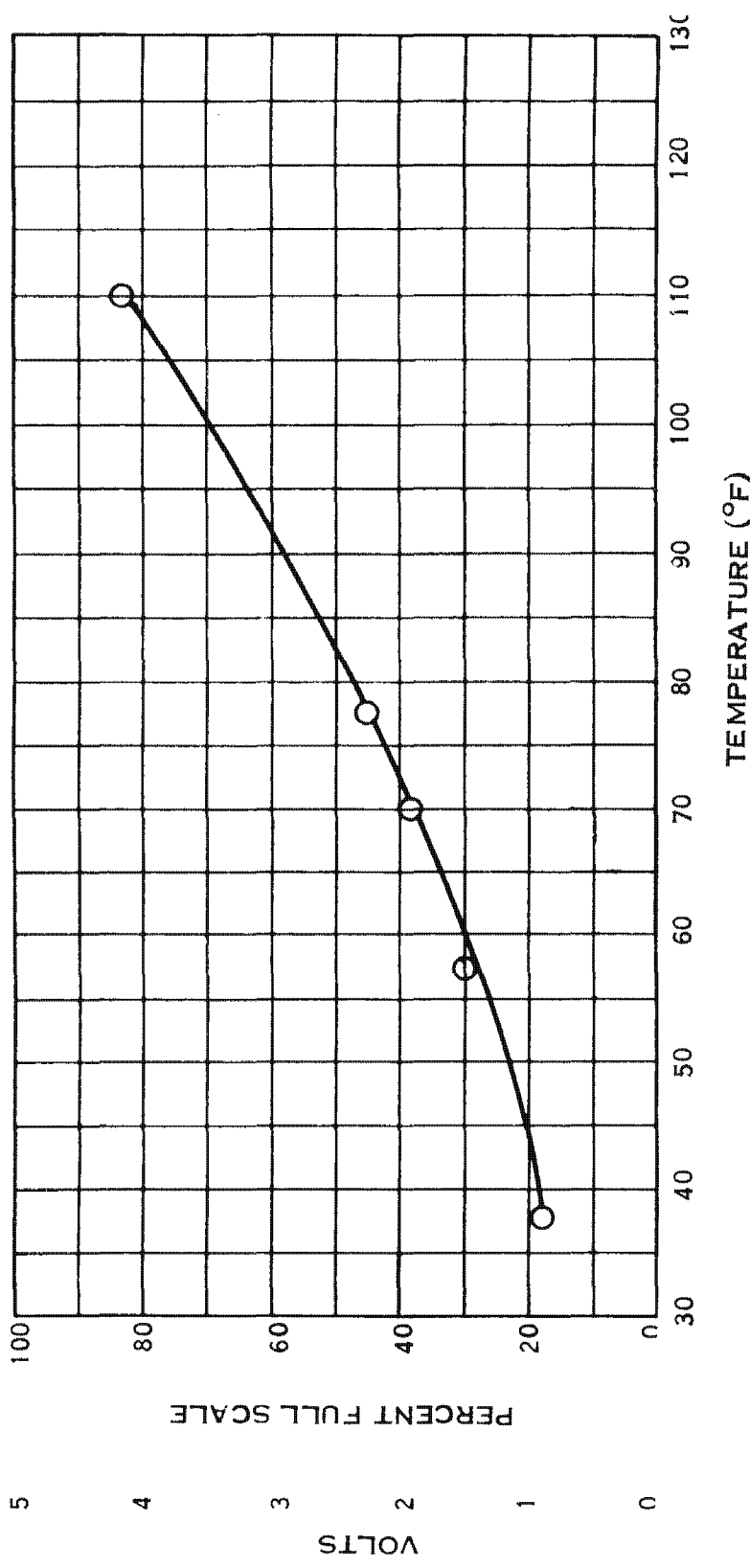
FUNCTION:	GFE 1-26	VEHICLE:	988
RANGE:		BAND:	15 (30.0 KC)
DRAWING NO:		PULSE:	24
"A" NUMBER:		EXCITATION:	



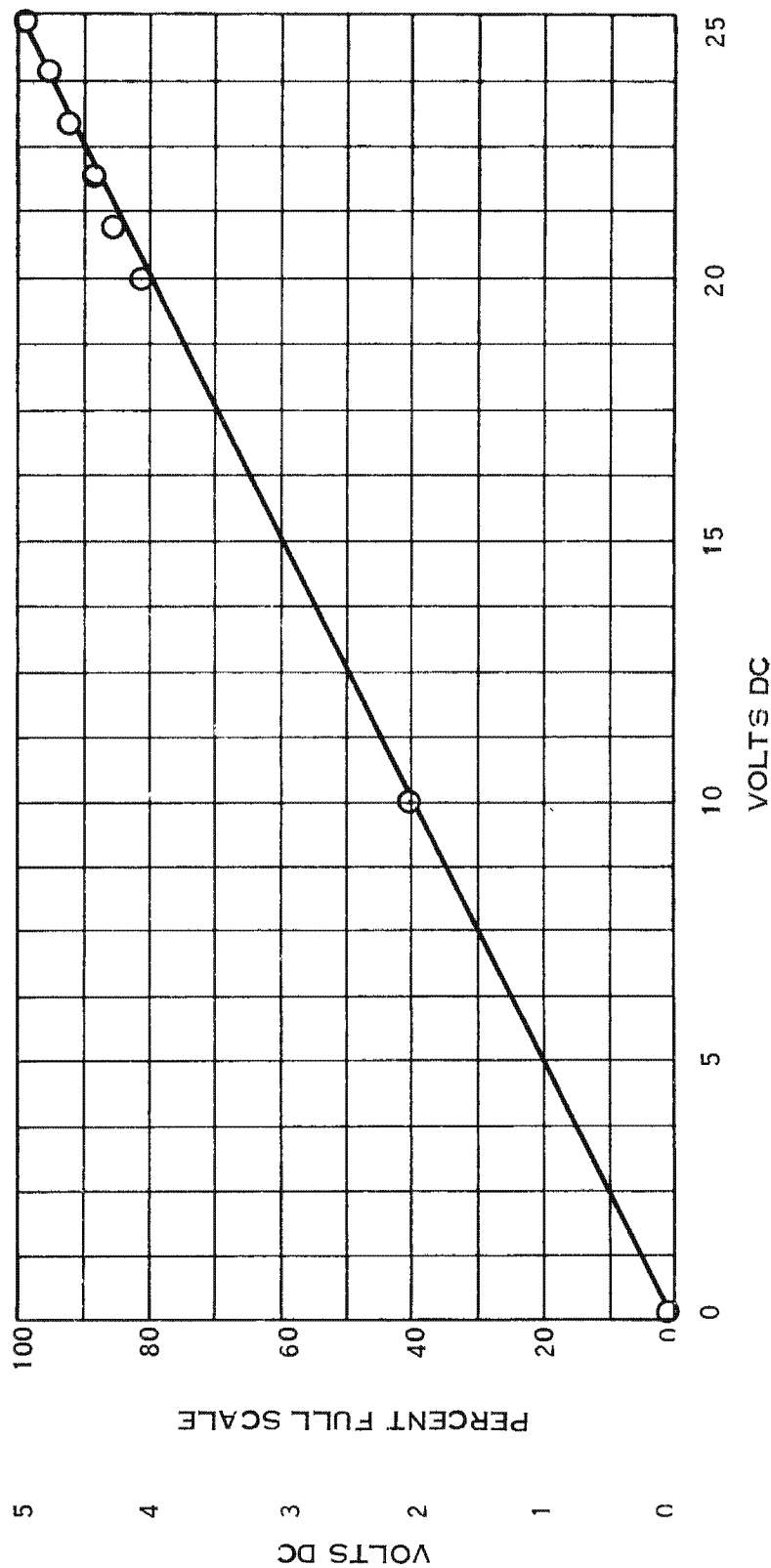
FUNCTION:	CALIBRATION — 90 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	15 (30.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	25
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



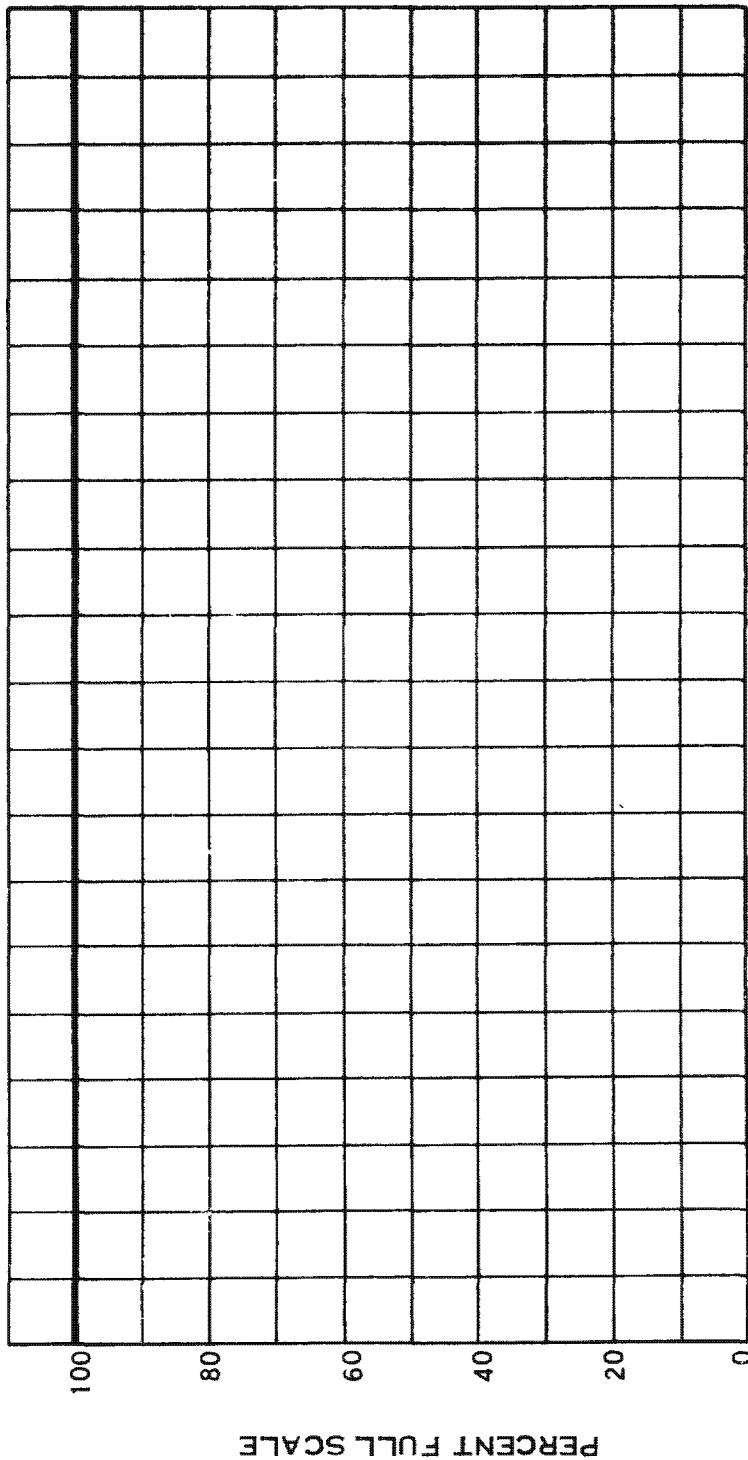
FUNCTION:	GFE 1-28	VEHICLE:	988
RANGE:		BAND:	15 (30.0 KC)
DRAWING NO:		PULSE:	26
"A" NUMBER:		EXCITATION:	



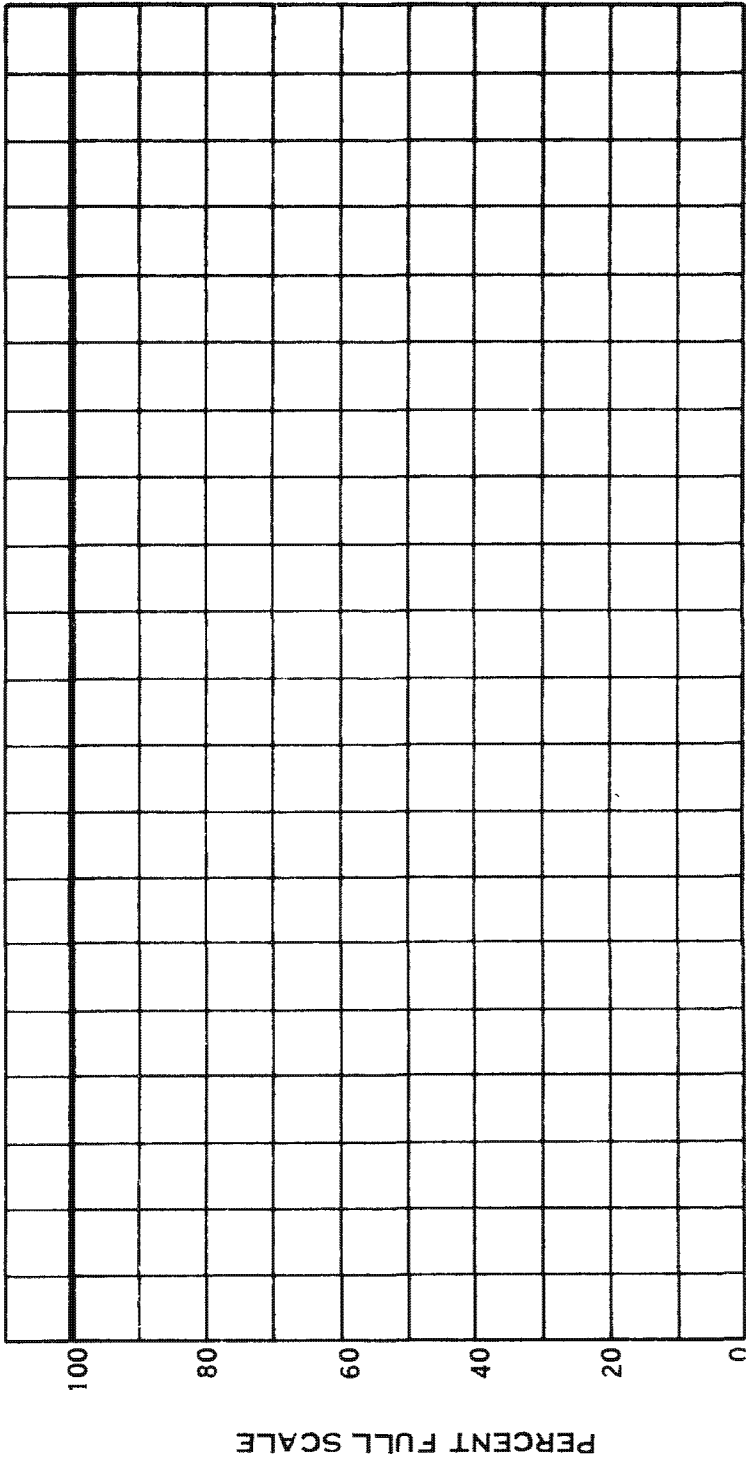
FUNCTION:	GFE 2-2	VEHICLE:	988
RANGE:		BAND:	15 (30.0 KC)
DRAWING NO:		PULSE:	27
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



FUNCTION:	22 VDC MONITOR	VEHICLE:	988
RANGE:	0 TO 24.5 VDC	BAND:	15 (30.0 KC)
DRAWING NO:		PULSE:	28
"A" NUMBER:		EXCITATION:	
		DATA SOURCE:	SYSTEMS DATA



FUNCTION:	FRAME SYNC	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	15 (30.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	29
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION: FRAME SYNC

RANGE:

DRAWING NO:

"A" NUMBER:

VEHICLE: 988

BAND: 15 (30.KC)

PULSE: 30

EXCITATION:

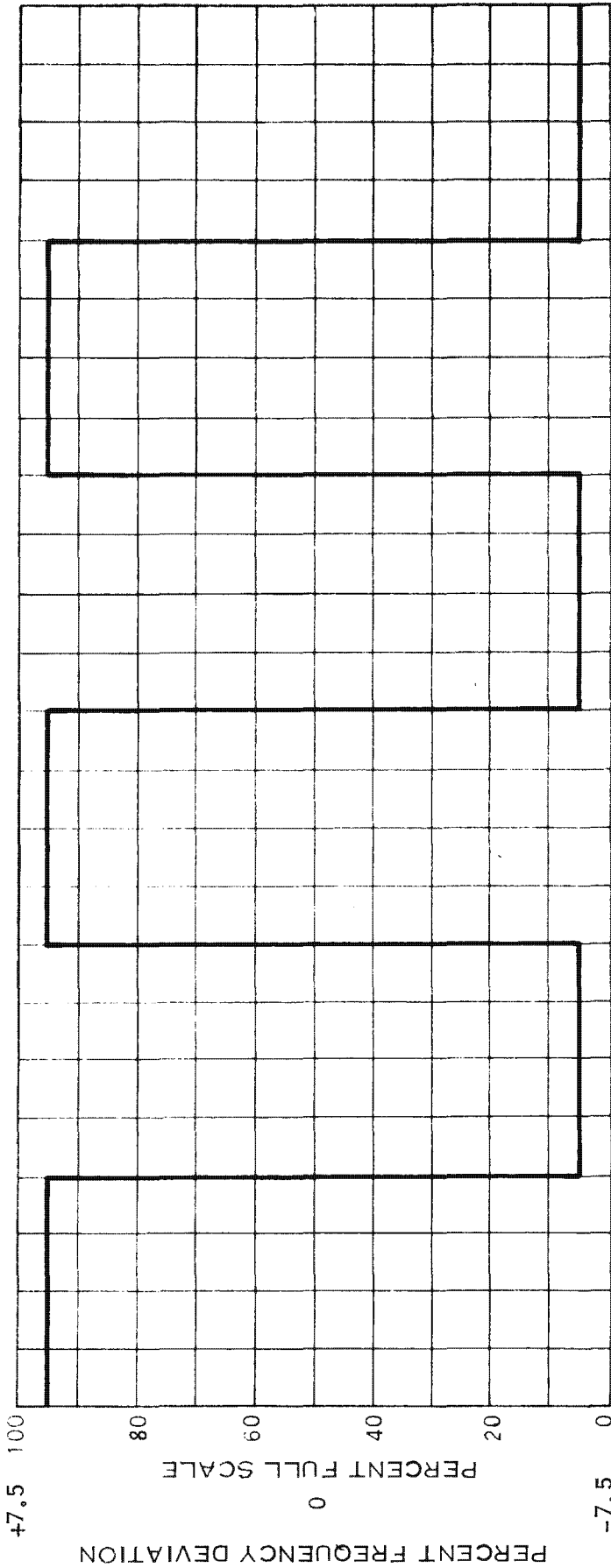
STA/RAD:

SV SECTION:

DATA SOURCE:

BAND 16

40.0 KC



INHIBIT LEVELS HIGH 8.5 V_{PP} = 129 μ

LOW 0.45V_{PP} = 7%

FUNCTION: R.H. PRE-AMP

VEHICLE: 988

RANGE:

STA/RAD: 216/155°

BAND: 16 (40.0 KC)

DRAWING NO: 895D742 P2

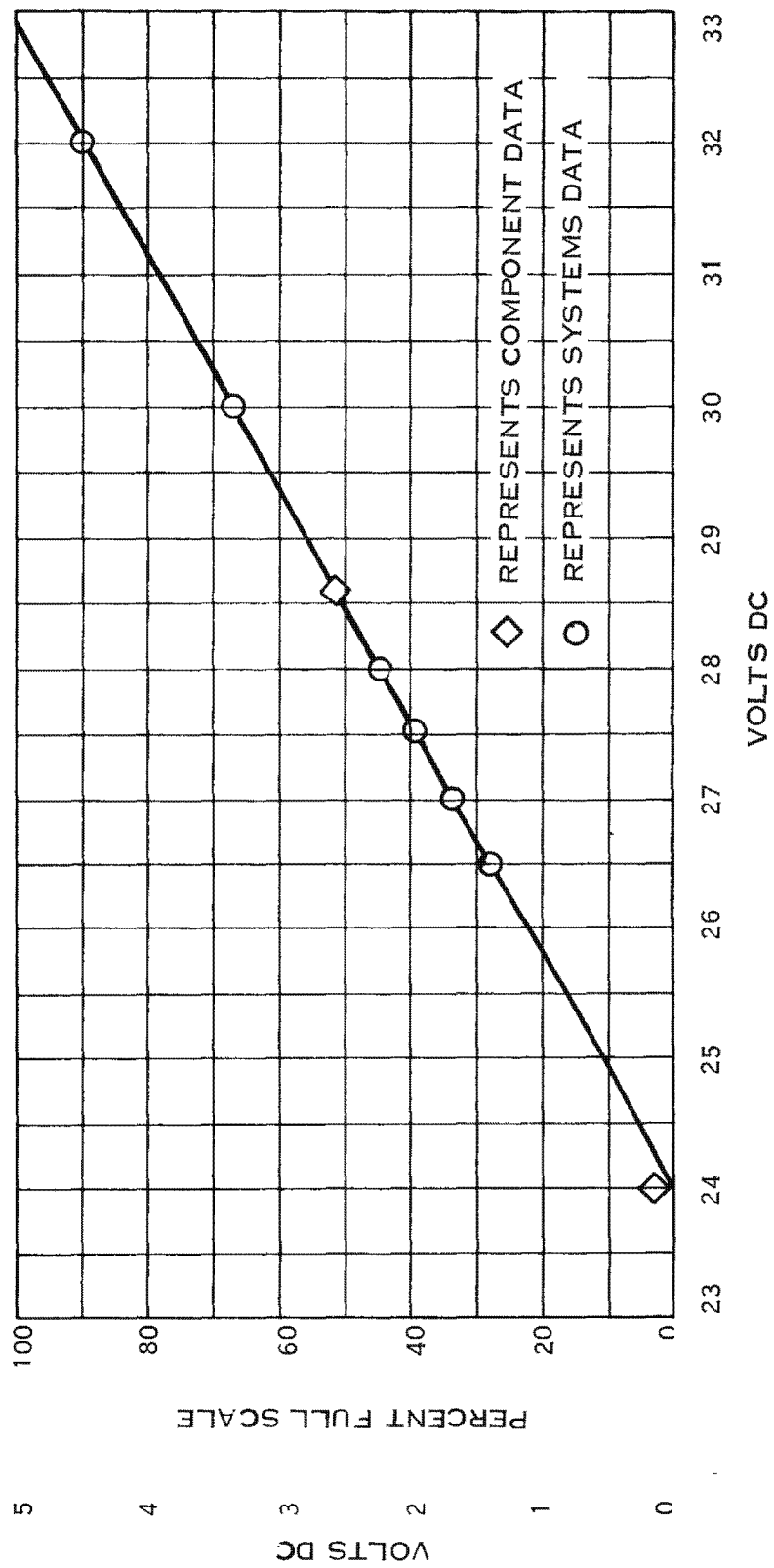
SV SECTION: 6.1

PULSE: CONTINUOUS

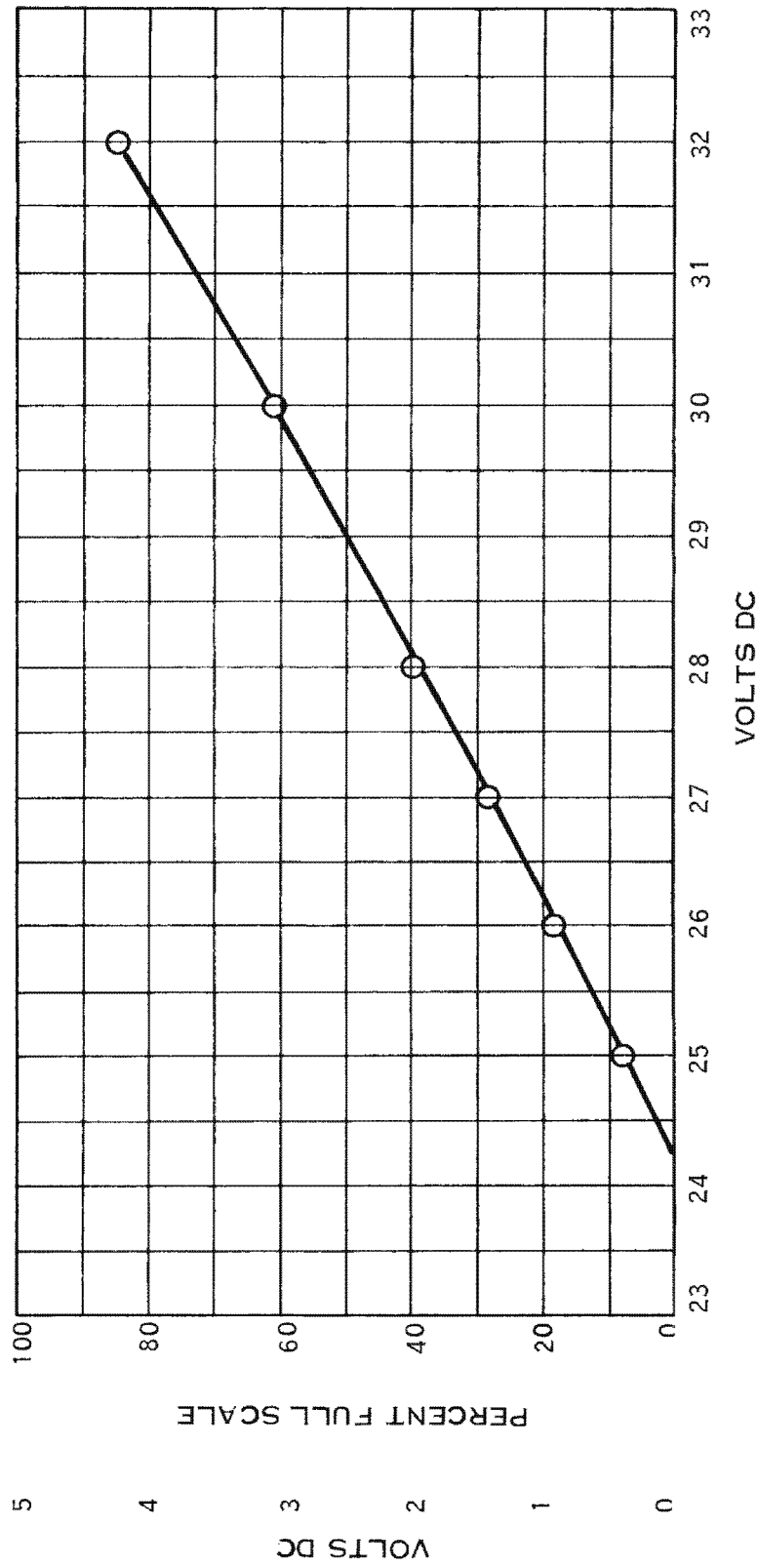
"A" NUMBER: 1016

DATA SOURCE: COMPONENT DATA

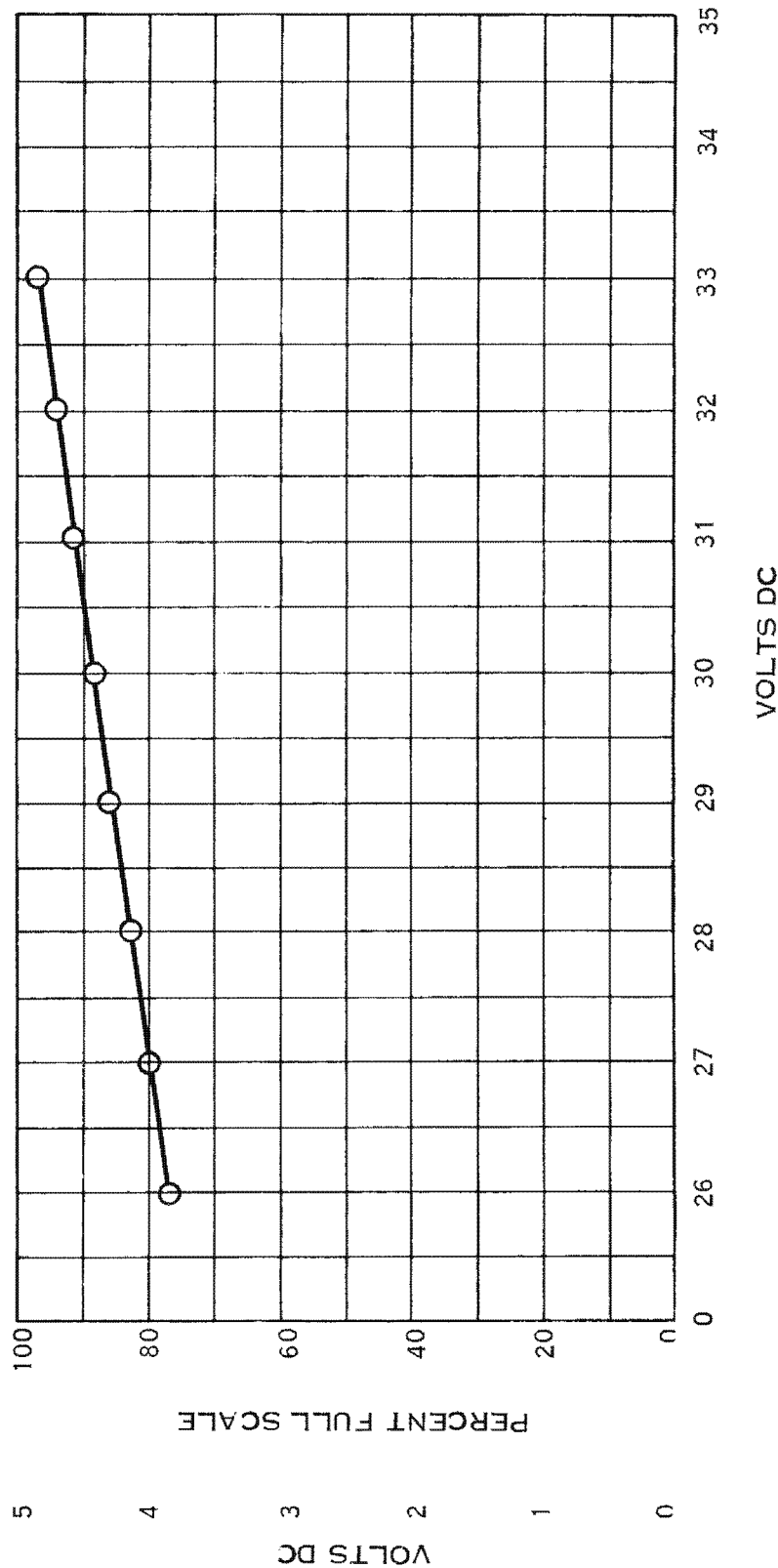
EXCITATION: 26 VDC REG.



FUNCTION: VOLTAGE, OCV BUS PRIMARY VEHICLE: 988
RANGE: 23 TO 33 Volts DC STA/RAD: 154/199° BAND: 16 (40.0 KC)
DRAWING NO: 725E280 GI SV SECTION: 6 PULSE: I
"A" NUMBER: 2241 DATA SOURCE: COMPONENT DATA EXCITATION:
SYSTEMS DATA



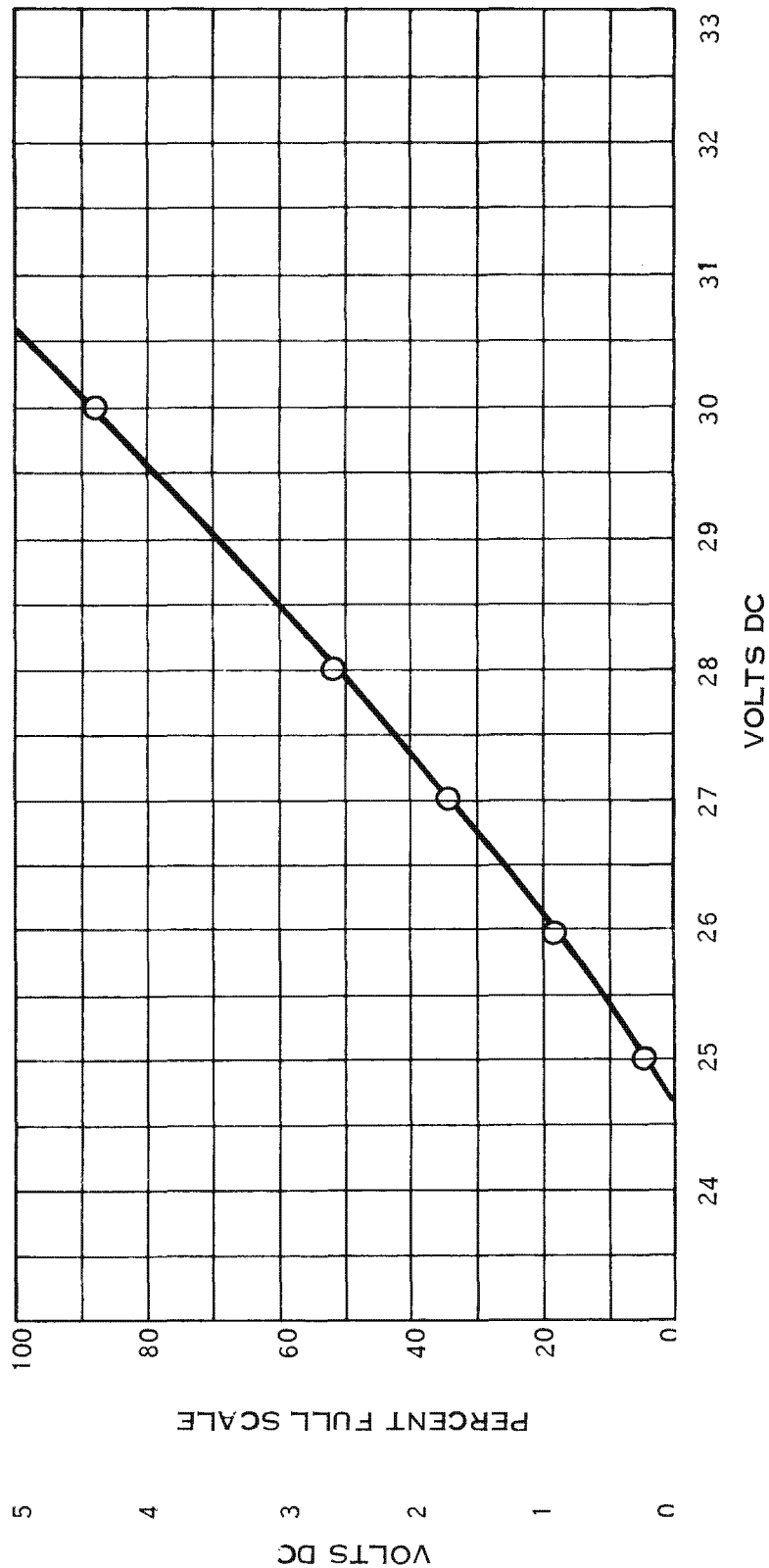
FUNCTION: VOLTAGE BUSS/SEP. BACK UP BATTERY VEHICLE: 988
RANGE: 23 TO 33 VDC STA/RAD: BAND: 16 (40.0 KC)
DRAWING NO: SV SECTION: PULSE: 2
"A" NUMBER: DATA SOURCE: SYSTEMS DATA EXCITATION:



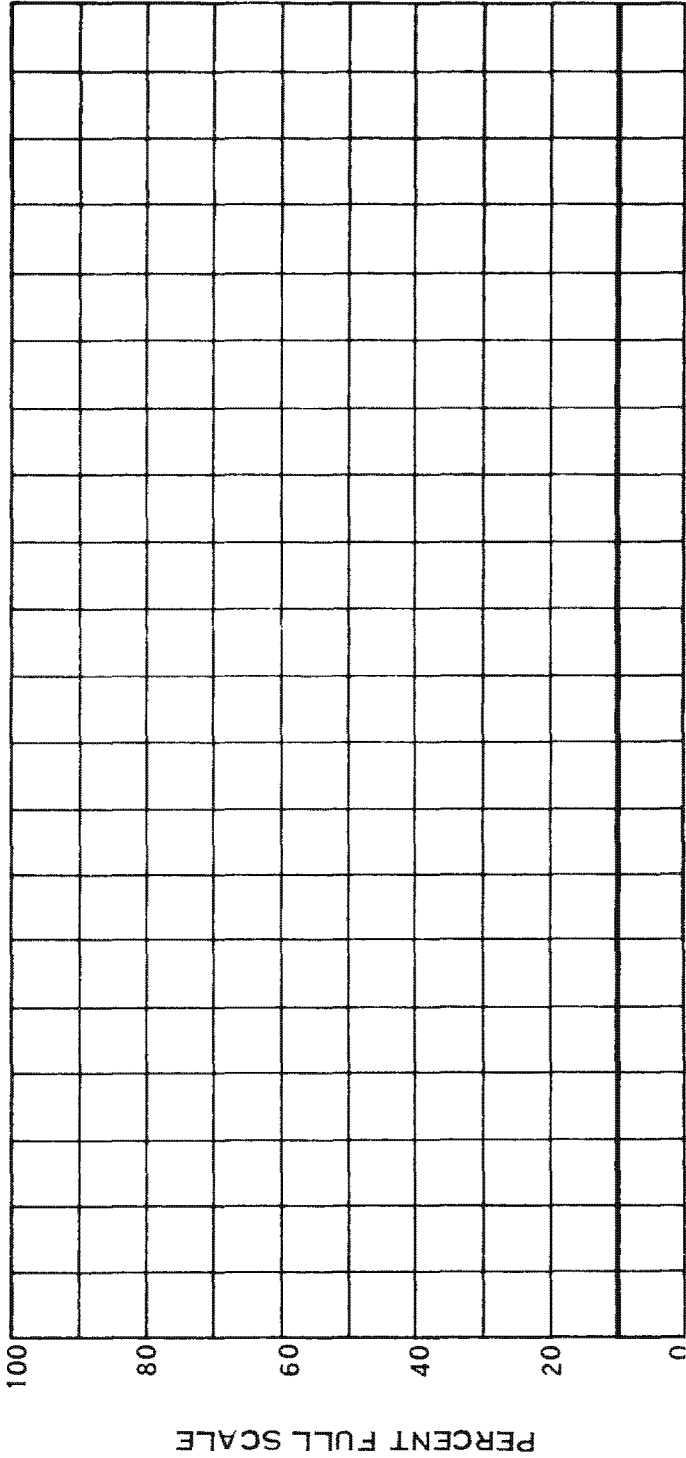
FUNCTION:	DC POWER SUPPLY VOLTAGE INPUT	VEHICLE:	
RANGE:	26 TO 33 VDC	BAND:	16 (40.0 KC)
DRAWING NO:	254E544 G3	PULSE:	3
"A" NUMBER:	961	EXCITATION:	28 VDC
		DATA SOURCE:	COMPONENT DATA

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FUNCTION:	COMMAND DECODER VOLTAGE MONITOR			VEHICLE:	988
RANGE:	24 TO 31 VOLTS DC			BAND:	16 (40.0 KC)
DRAWING NO:	242E564 G13			PULSE:	4
"A" NUMBER:	357			EXCITATION:	
	DATA SOURCE: COMPONENT DATA				



FUNCTION: CALIBRATION -- 10 PERCENT

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 16 (40.0 KC)

DRAWING NO:

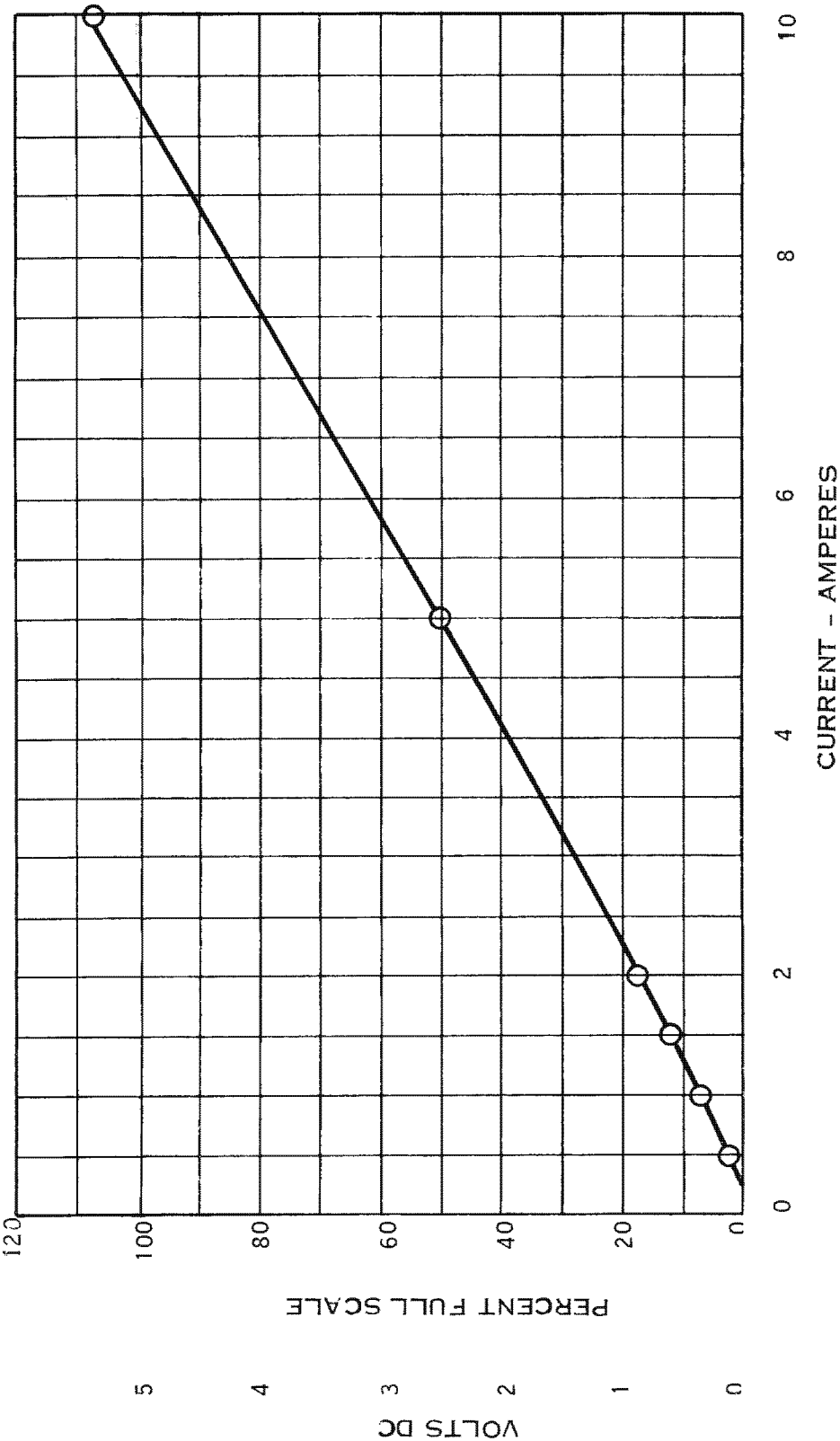
SV SECTION:

PULSE: 5

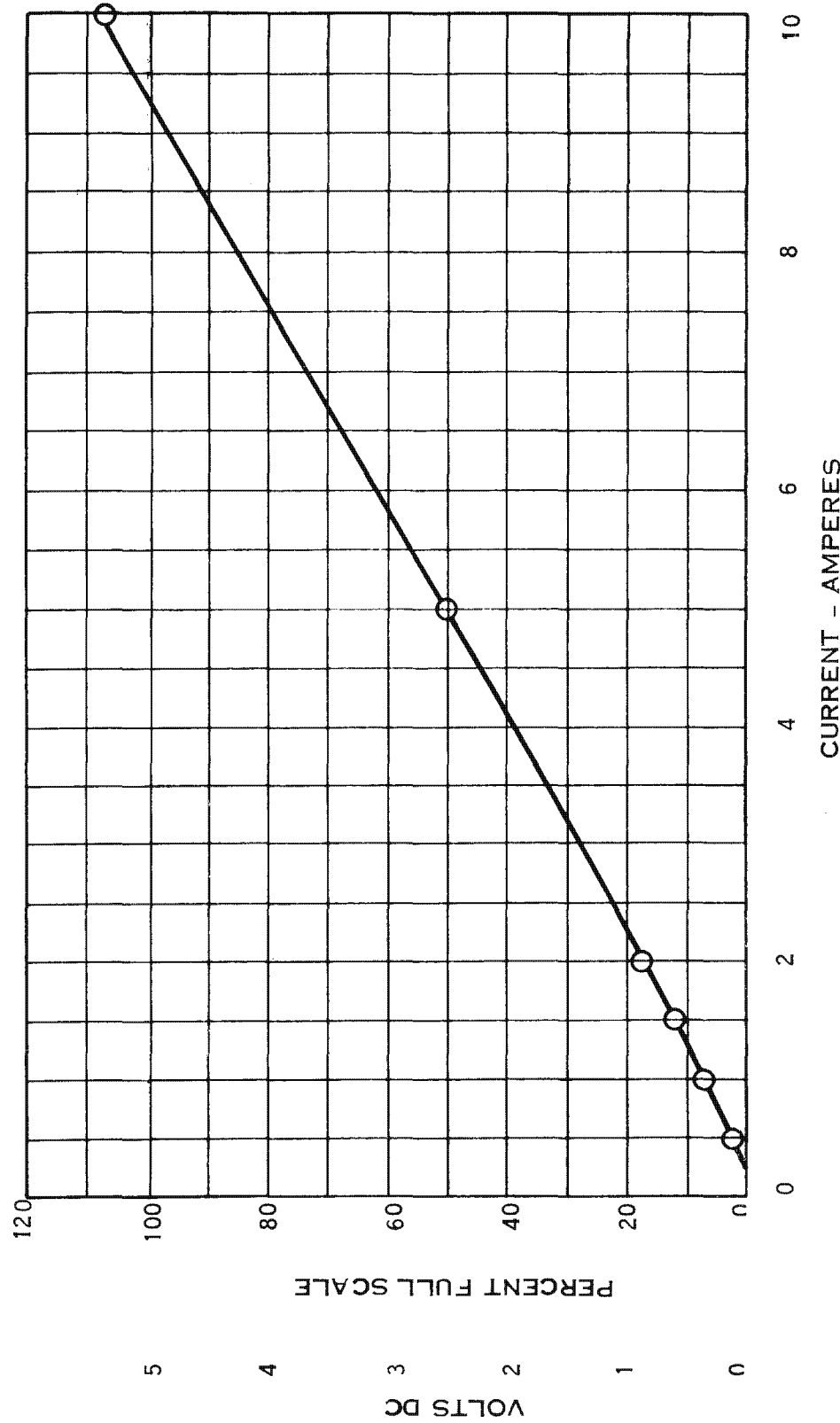
"A" NUMBER:

DATA SOURCE:

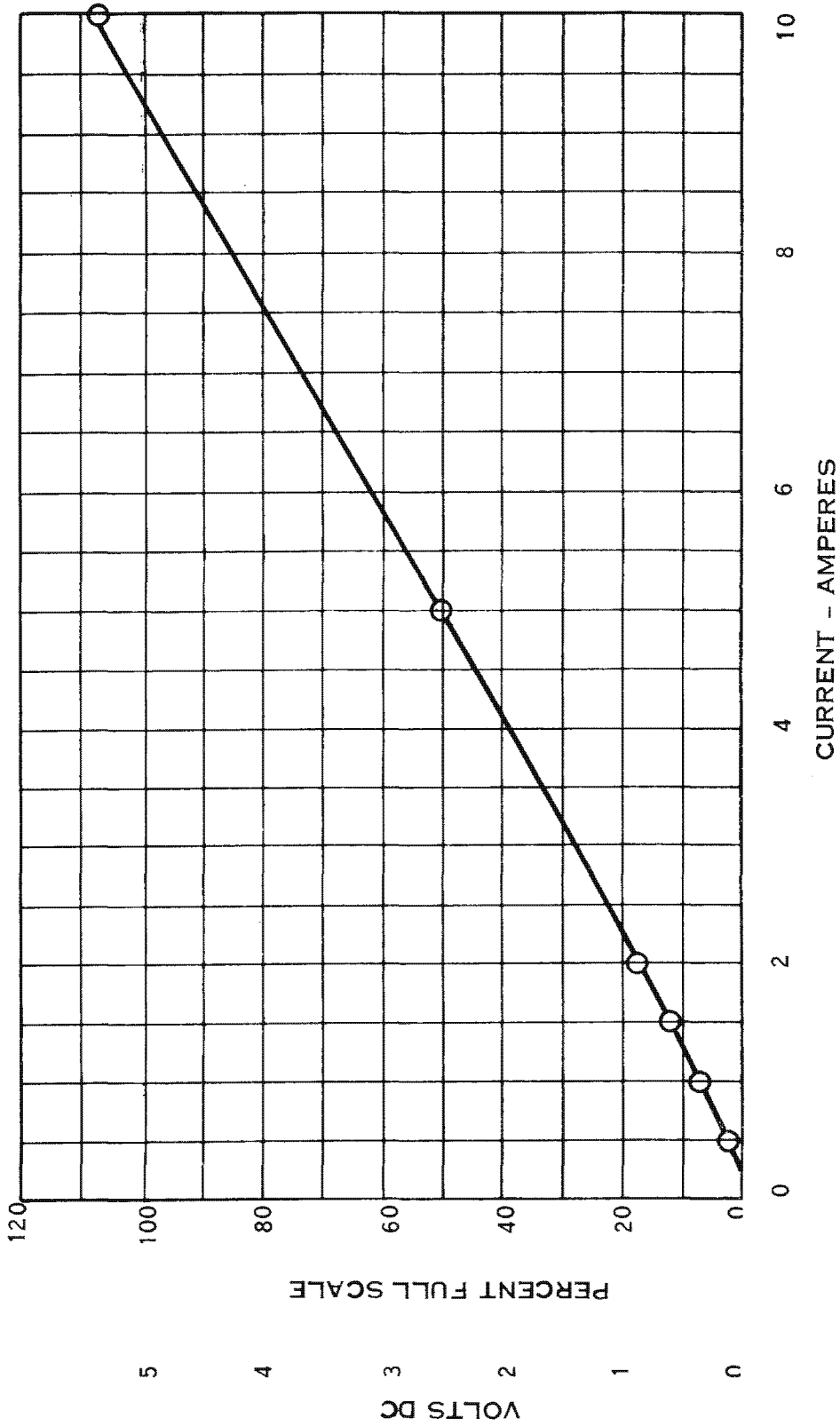
EXCITATION:



FUNCTION: CURRENT OP BATTERY NO. 1 VEHICLE: 988
RANGE: 0 TO 10 AMPS. STA/RAD: 154/199° BAND: 16 (40.0 KC)
DRAWING NO: 725E280 G1 SV SECTION: 6 PULSE: 6
"A" NUMBER: 2241 DATA SOURCE: COMPONENT DATA EXCITATION: 28 VDC



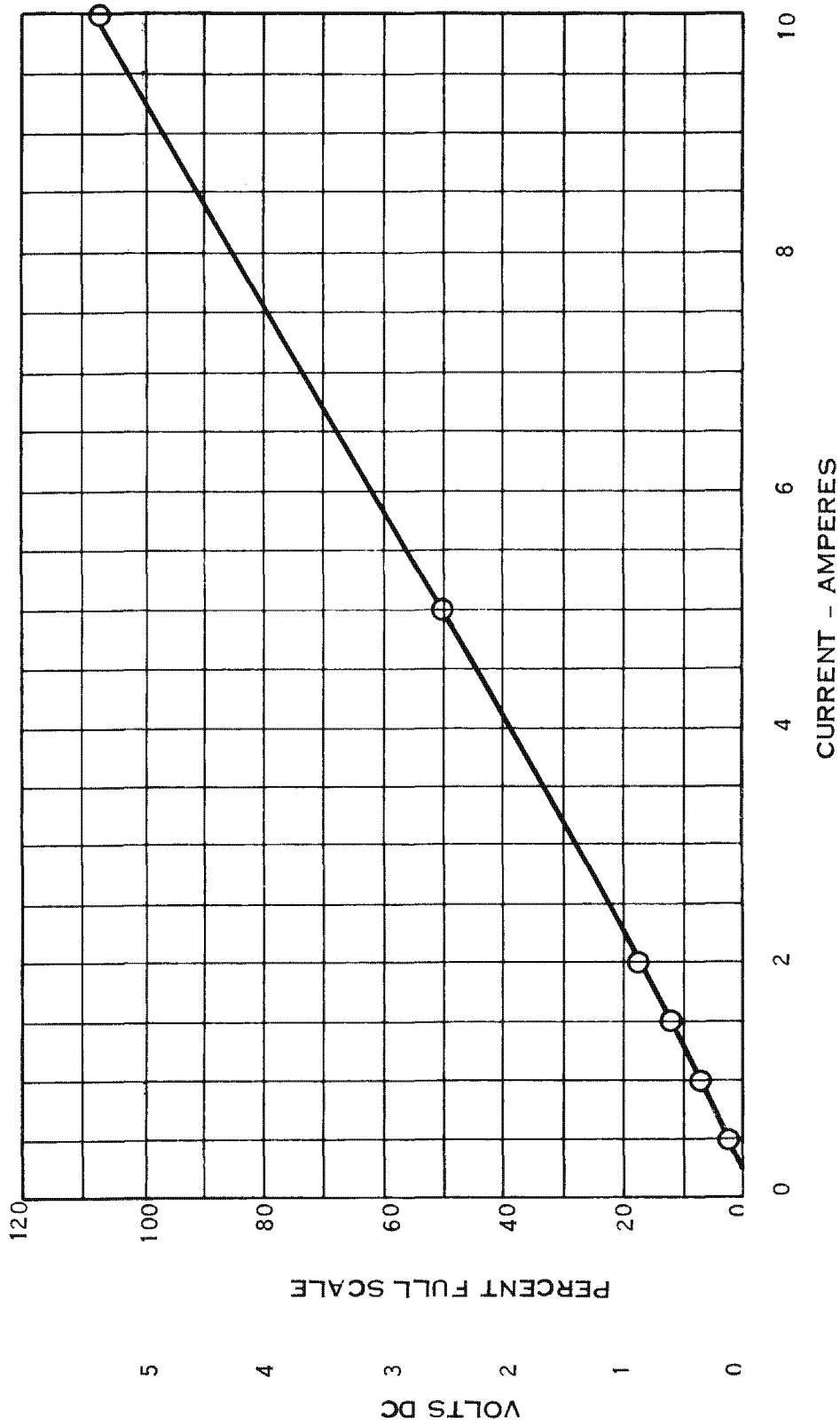
FUNCTION:	CURRENT OP BATTERY NO. 2	VEHICLE:	988
RANGE:	0 TO 10 AMPS.	BAND:	16 (40.0 KC)
DRAWING NO:	725E280 G1	PULSE:	7
"A" NUMBER:	2241	EXCITATION:	28 VDC



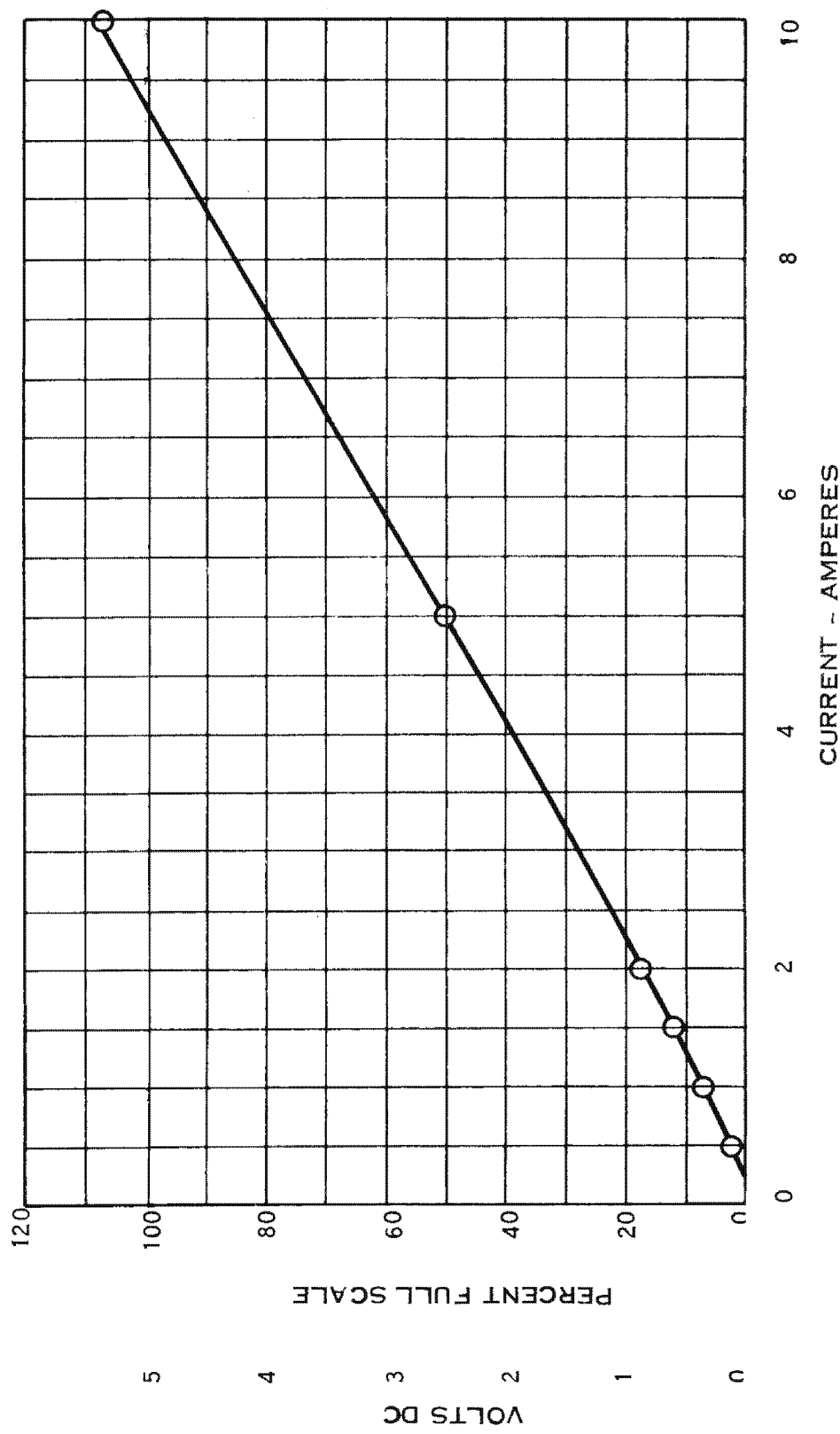
FUNCTION:	CURRENT OP BATTERY NO. 3	VEHICLE:	988
RANGE:	0 TO 10 AMPS.	BAND:	16 (40.0 KC)
DRAWING NO:	725E280 G1	PULSE:	8
"A" NUMBER:	2241	DATA SOURCE:	COMPONENT DATA
		EXCITATION:	28 VDC

4C53-988

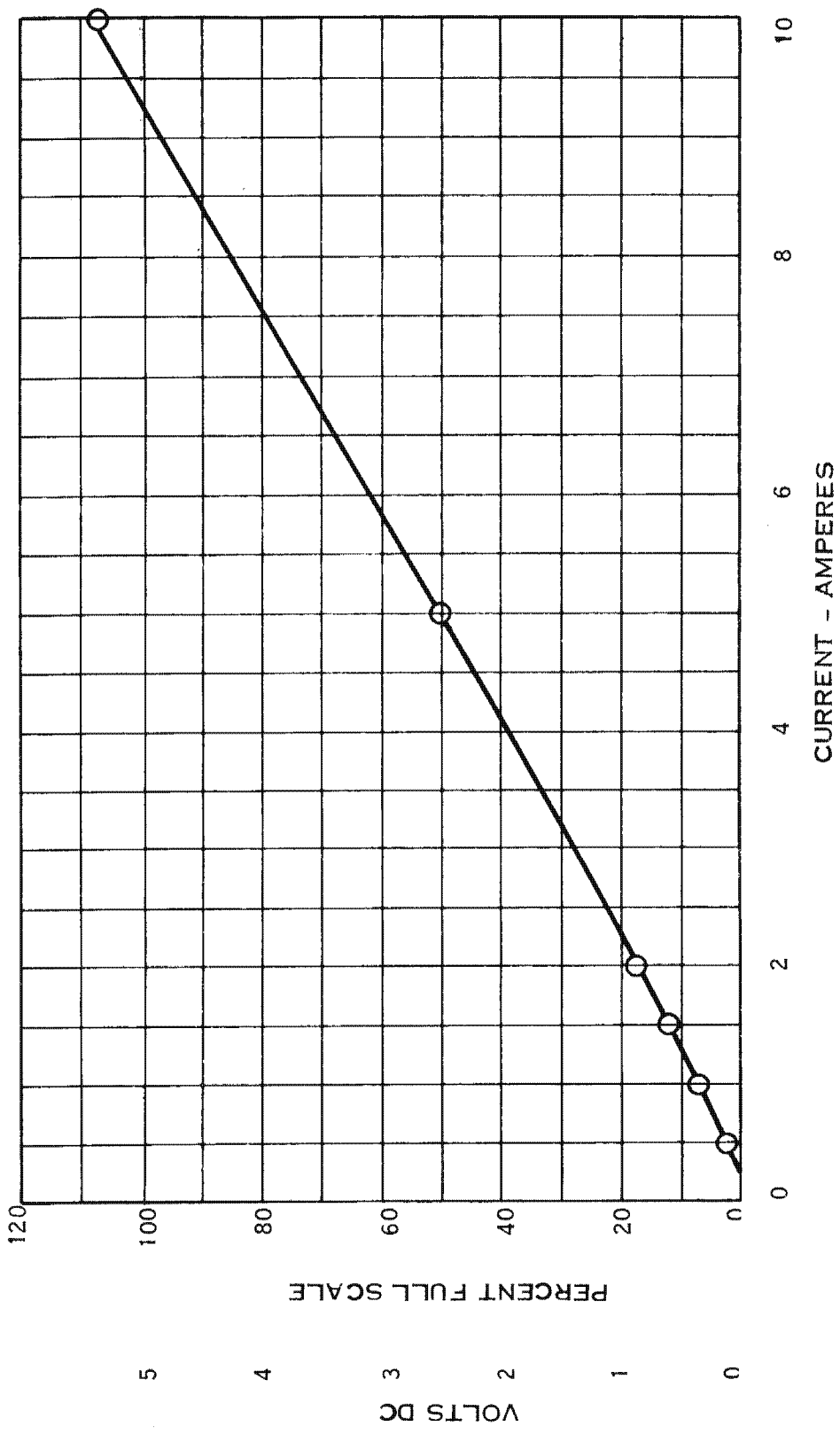
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FUNCTION:	CURRENT OP BATTERY NO. 4	VEHICLE:	988
RANGE:	0 TO 10 AMPS.	BAND:	16 (40.0 KC)
DRAWING NO:	725E280 G1	PULSE:	9
"A" NUMBER:	2241	DATA SOURCE:	COMPONENT DATA
		EXCITATION:	28 VDC



FUNCTION:	CURRENT OP BATTERY NO. 5	VEHICLE:	988
RANGE:	0 TO 10 AMPS.	BAND:	16 (40.0 KC)
DRAWING NO:	725E280 G1	PULSE:	10
"A" NUMBER:	2241	DATA SOURCE:	COMPONENT DATA
		EXCITATION:	28 VDC



FUNCTION:

RANGE:

DRAWING NO:

"A" NUMBER:

CURRENT OP BATTERY NO. 6

0 TO 10 AMPS.

725E280 G1

2241

STA/RAD:

SV SECTION:

DATA SOURCE:

COMPONENT DATA

154 199°

6

EXCITATION: 28 VDC

VEHICLE:

BAND:

PULSE:

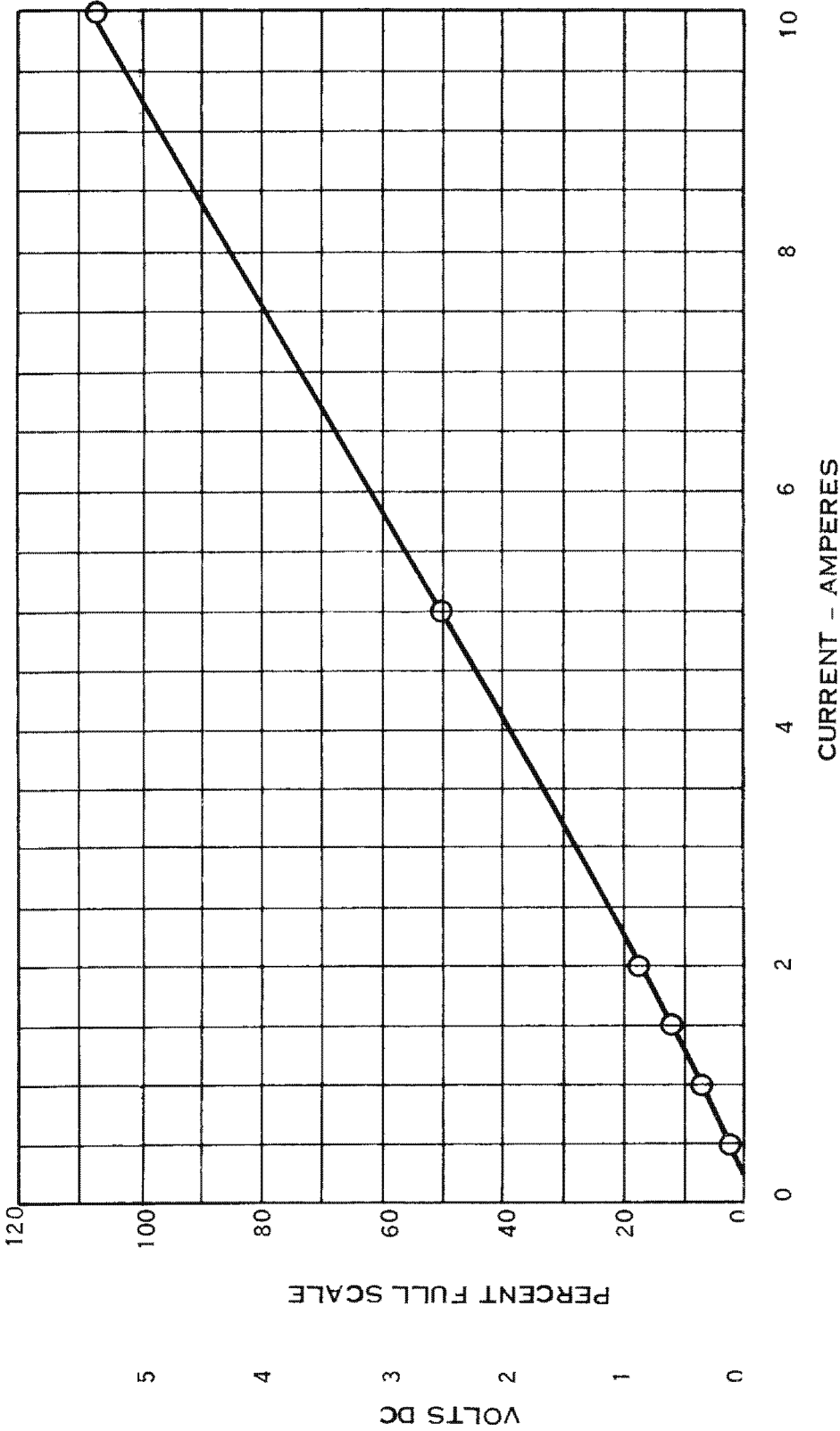
988

16 (40.0 KC)

11

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FUNCTION: CURRENT OP BATTERY NO. 7

VEHICLE: 988

RANGE: 0 TO 10 AMPS.

STA/RAD: 154/199°

BAND: 16 (40.0 KC)

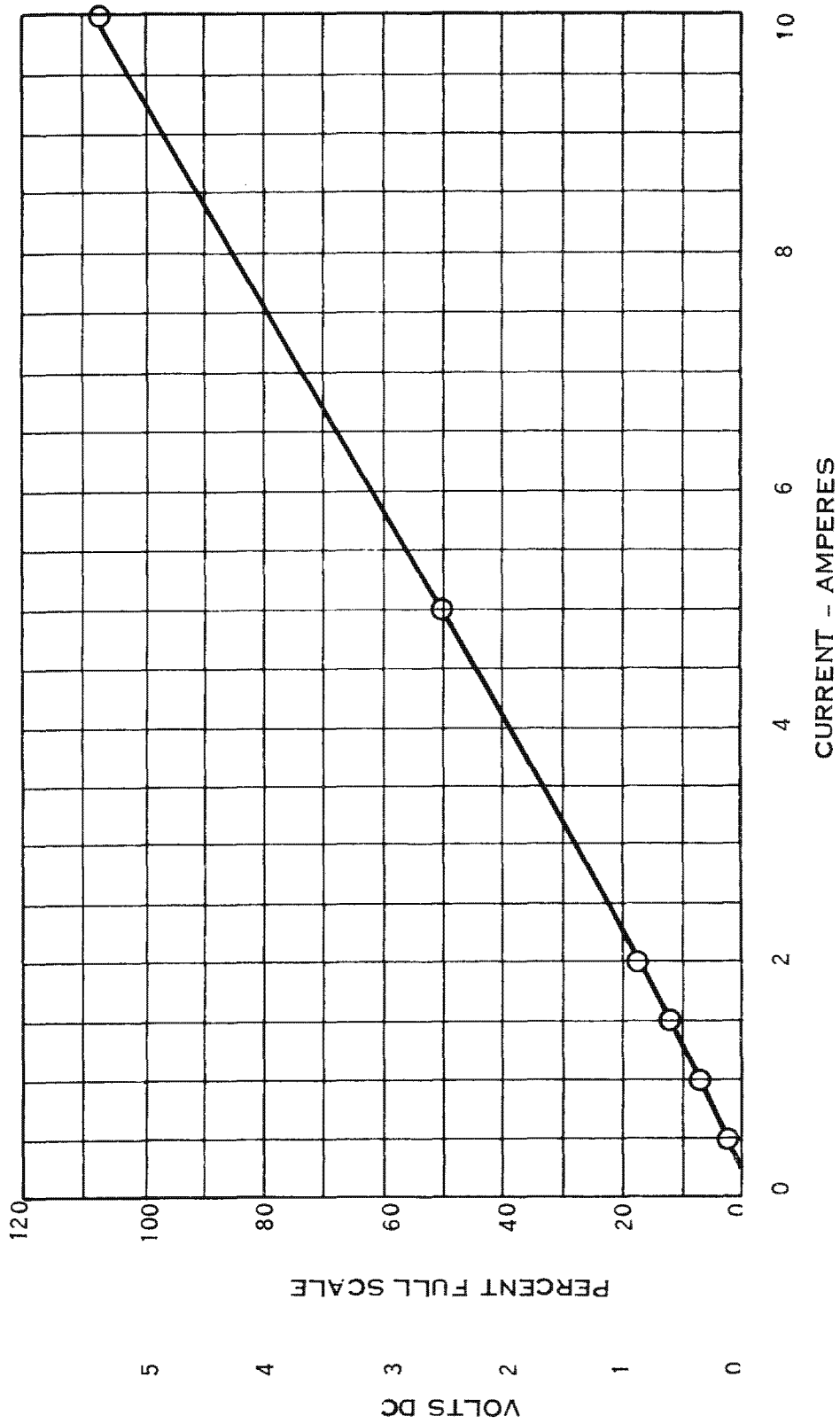
DRAWING NO: 725E280 G1

SV SECTION: 6

PULSE: 12

"A" NUMBER: 2241

DATA SOURCE: COMPONENT DATA EXCITATION: 28 VDC



FUNCTION:

CURRENT OP BATTERY NO. 8

VEHICLE:

988

RANGE:

0 TO 10 AMPS.

BAND:

16 (40.0 KC)

DRAWING NO:

725E280 G1

PULSE:

13

"A" NUMBER:

2241

EXCITATION:

28 VDC

STA/RAD:

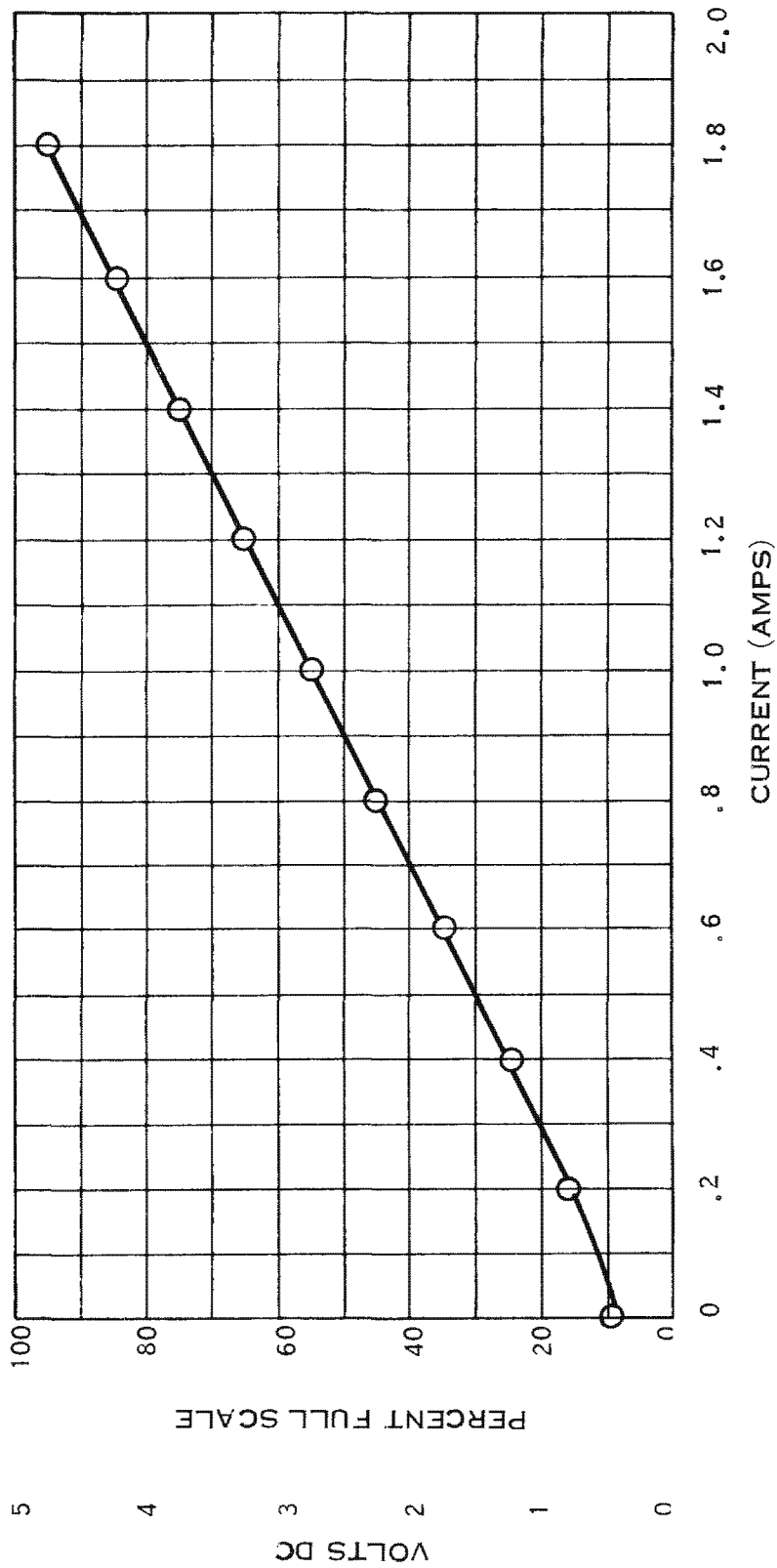
154/199°

COMPONENT DATA

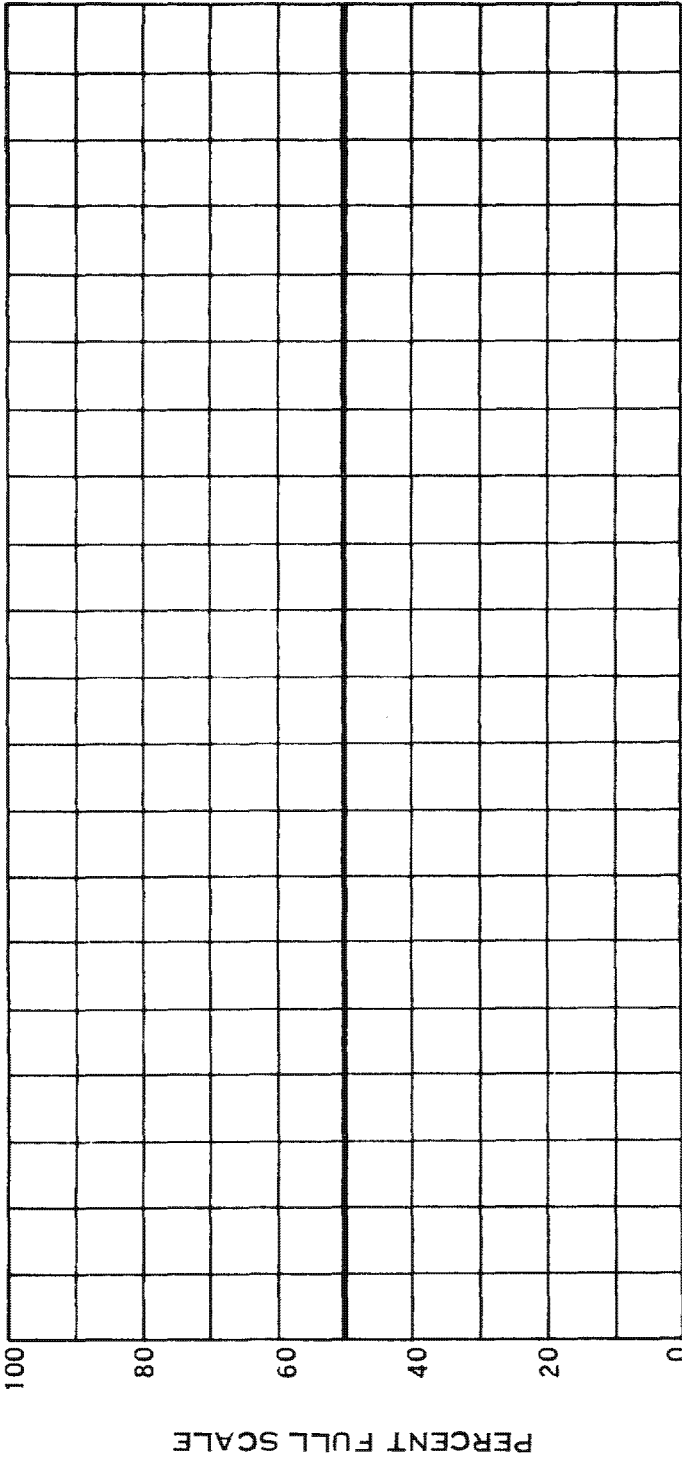
SV SECTION:

6

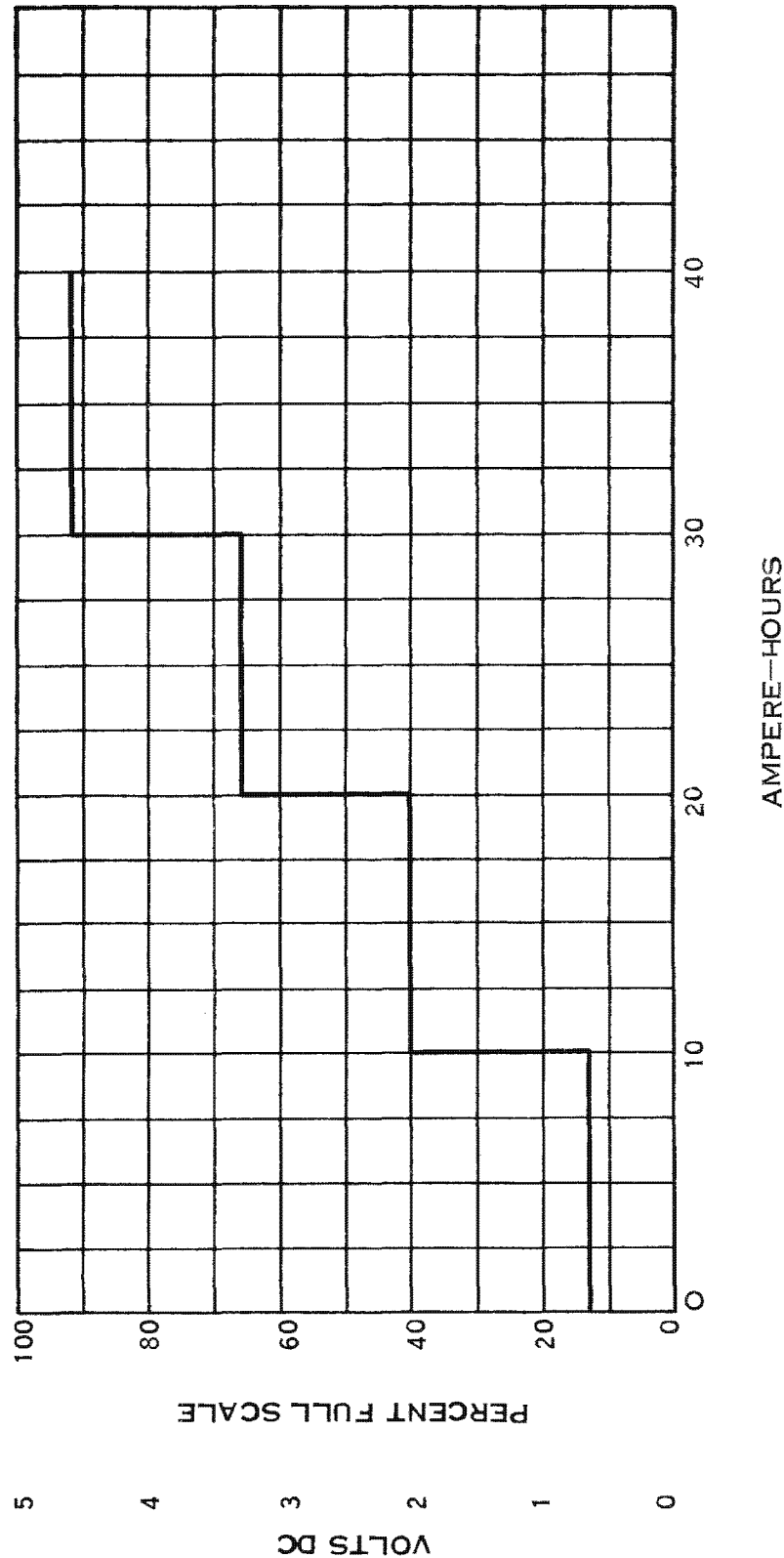
DATA SOURCE:



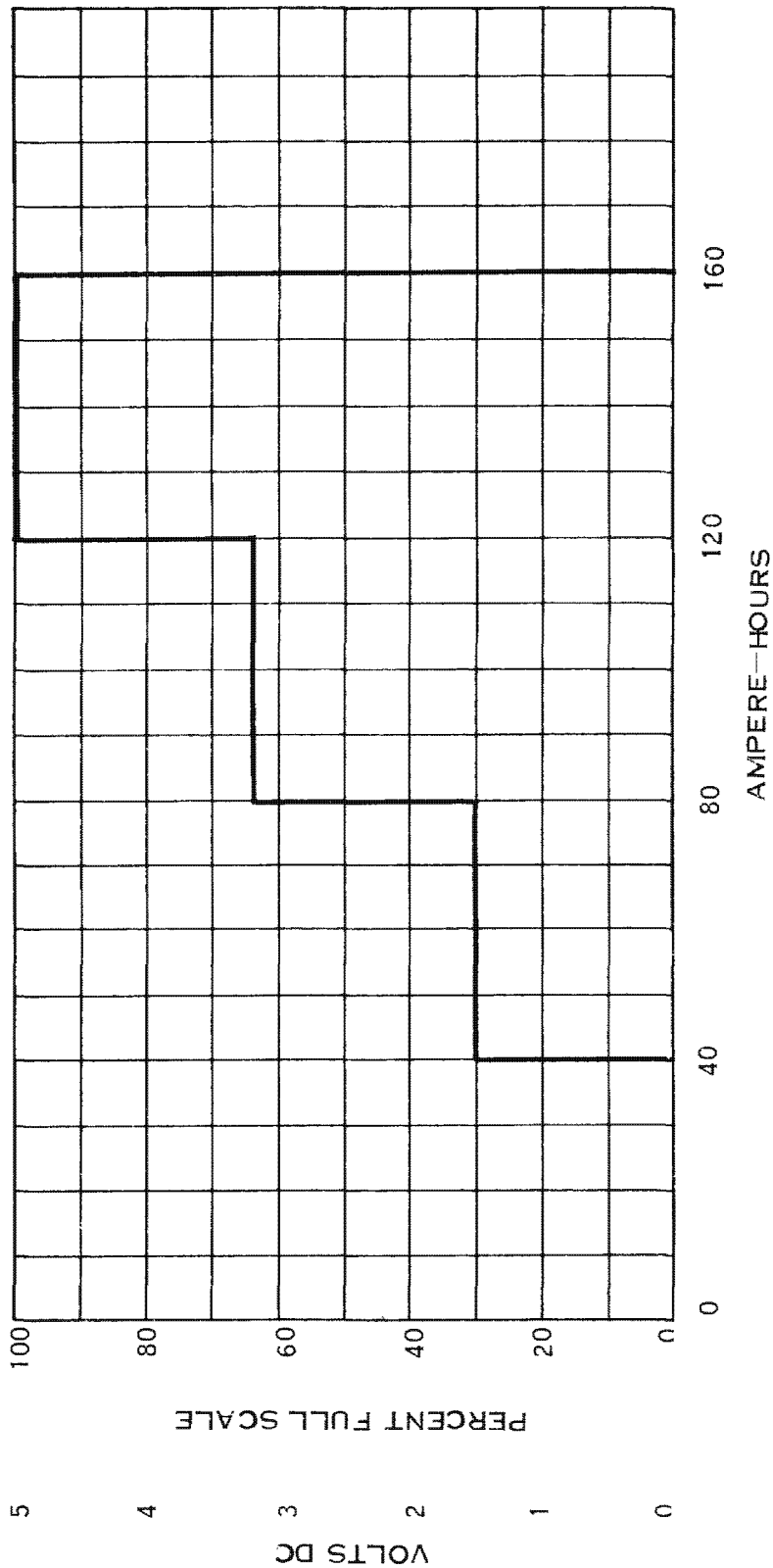
FUNCTION:	CURRENT, BUSS/SEP., BACK UP BATT.	VEHICLE:	988
RANGE:	0 TO 2.0 AMPS	BAND:	16 (40.0 KC)
DRAWING NO:		PULSE:	14
"A" NUMBER:		EXCITATION:	
		STA/RAD:	
		SV SECTION:	
		DATA SOURCE:	



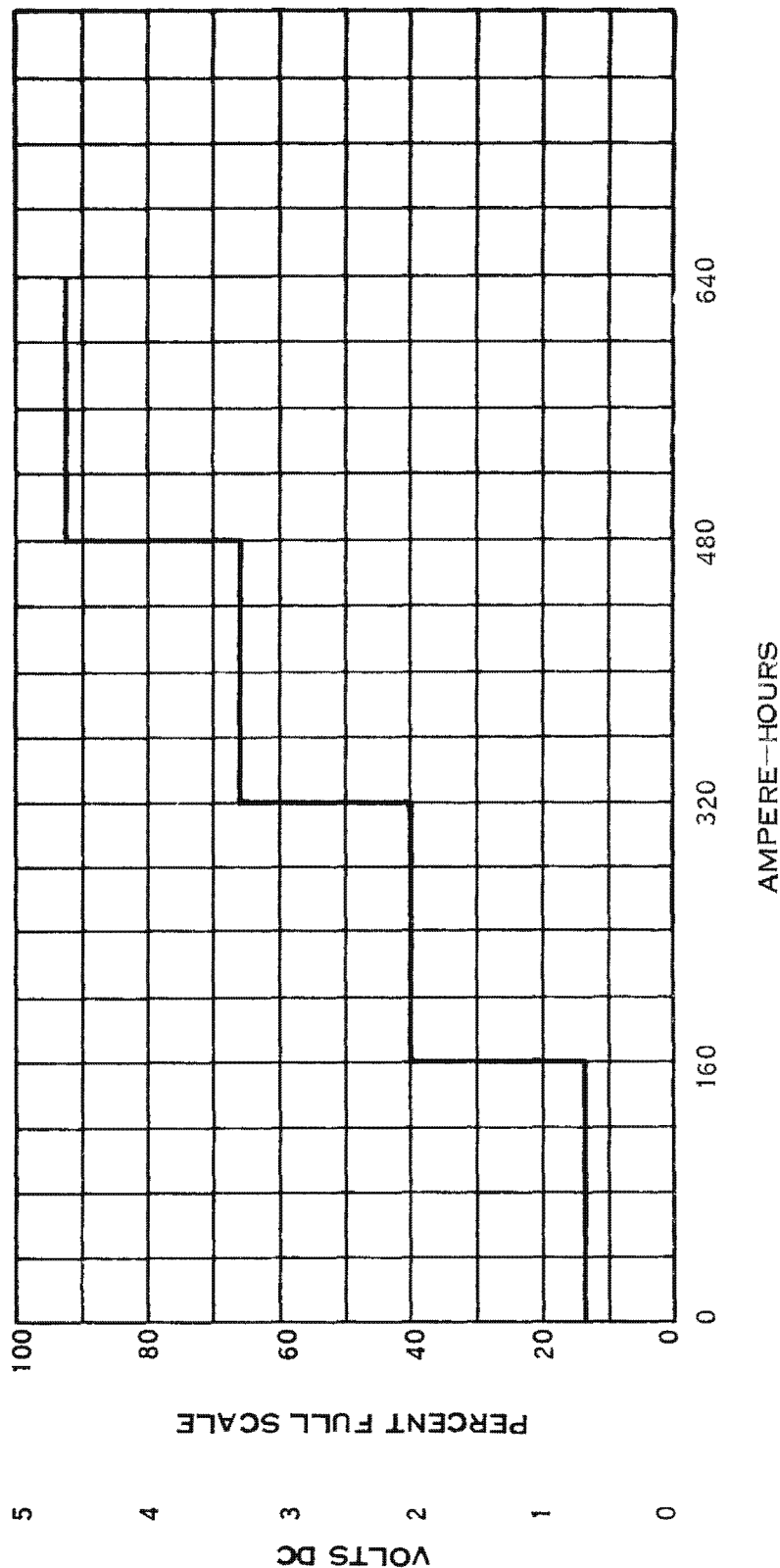
FUNCTION:	CALIBRATION — 50 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	16 (40.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	15
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



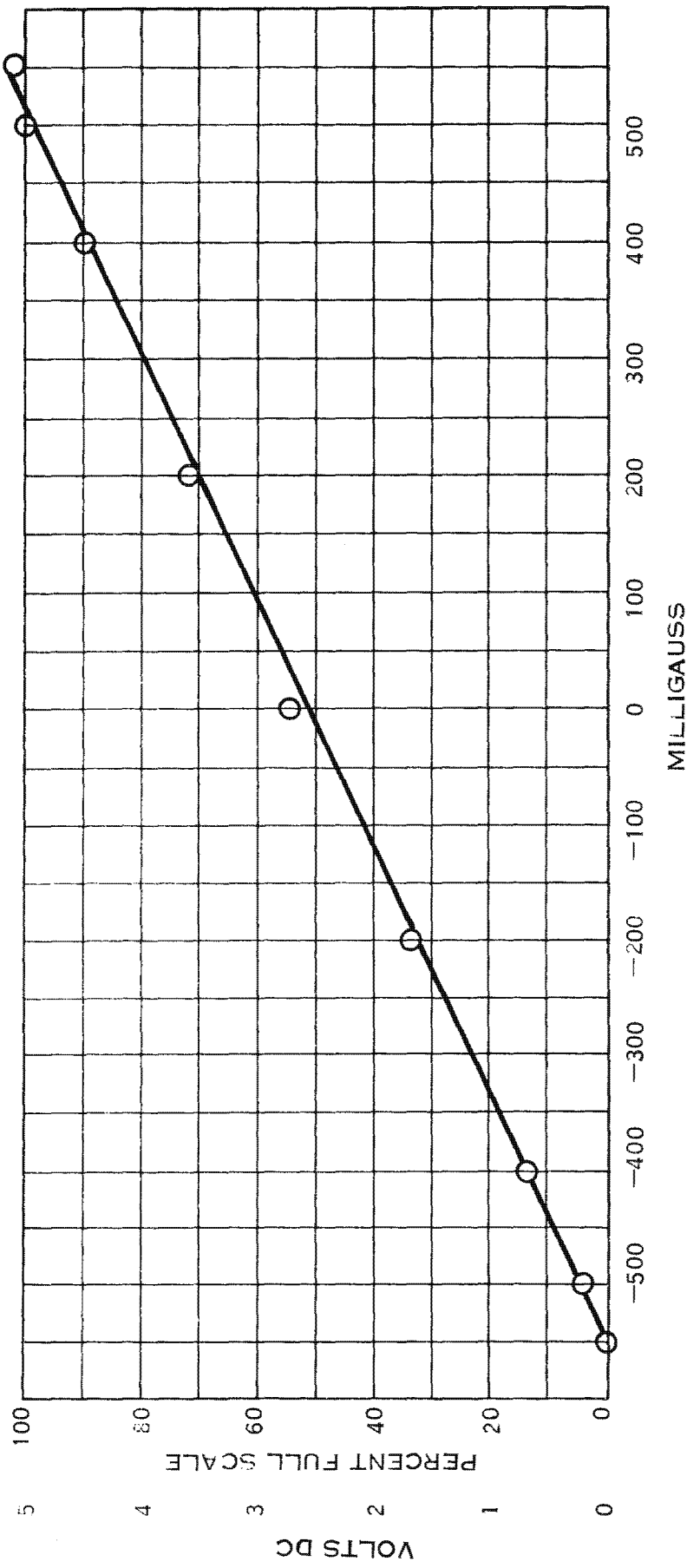
FUNCTION: AMPERE HOUR METER TOTAL
RANGE: 0 TO 30 AMPERE HOURS STA/RAD: 154/199°
DRAWING NO: 725E280 G1 SV SECTION: 6
"A" NUMBER: 2241
VEHICLE: 988
BAND: 16 (40.0 KC)
PULSE: 16
EXCITATION: 28 VDC
DATA SOURCE: COMPONENT DATA



FUNCTION: AMPERE HOUR METER TOTAL VEHICLE: 988
RANGE: 0 TO 120 AMPERE HOURS STA/RAD: 154/199° BAND: 16 (40.0 KC)
DRAWING NO: 725E280 GI SV SECTION: 6 PULSE: 17
"A" NUMBER: 2241 DATA SOURCE: COMPONENT DATA EXCITATION: 28 VDC



FUNCTION: AMPERE HOUR METER TOTAL VEHICLE: 988
RANGE: 0 TO 480 AMPERE HR STA/RAD: 154/199° BAND: 16 (40.0 KC)
DRAWING NO: 725E280 G1 SV SECTION: 6 PULSE: 18
"A" NUMBER: 2241 DATA SOURCE: COMPONENT DATA EXCITATION: 28 VDC



FUNCTION: P AXIS MAGNETOMETER

VEHICLE: 988

RANGE: ± 550 MILLIGAUSS

STA/RAD: 209 / 355°

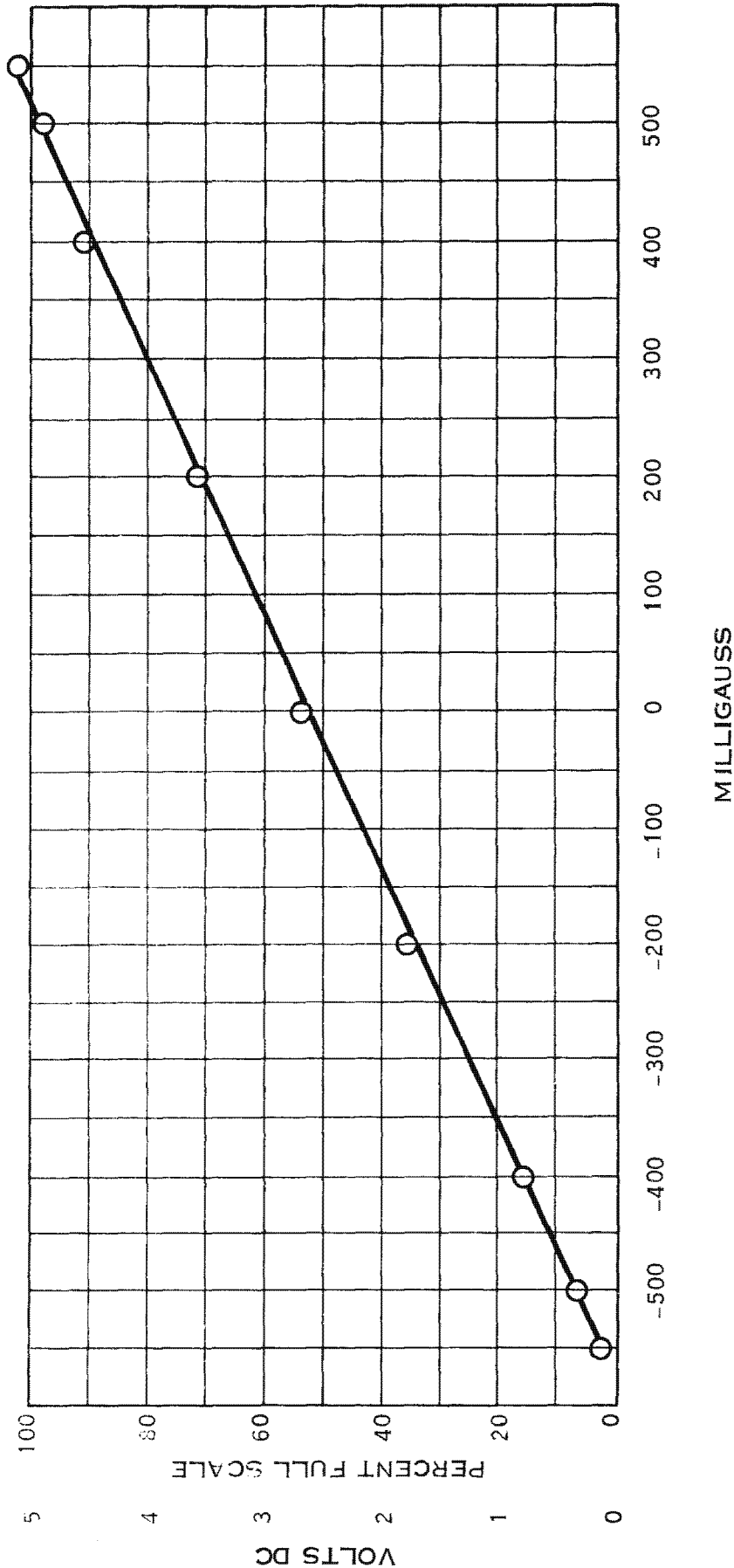
BAND: 16 (40.0 KC)

DRAWING NO: 1461662-003

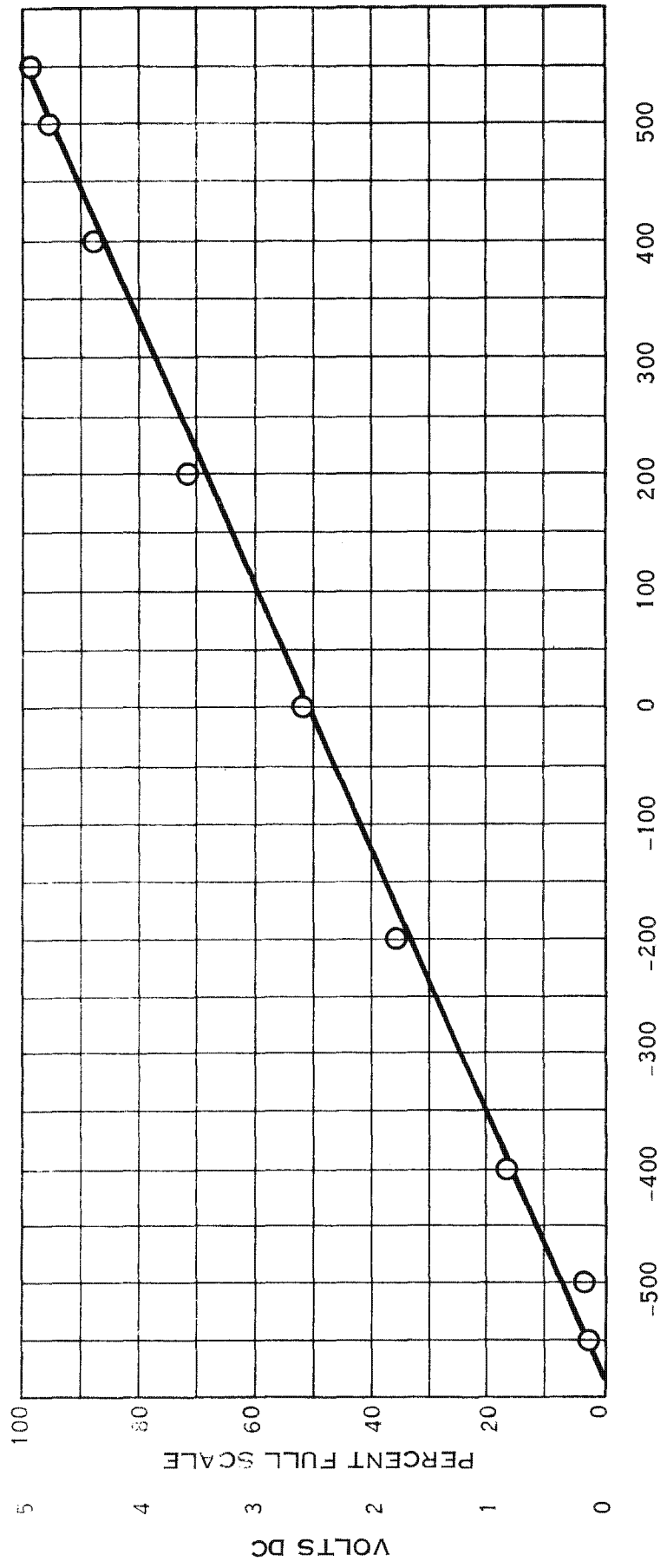
SV SECTION: 6 PULSE: 19

"A" NUMBER: 1951

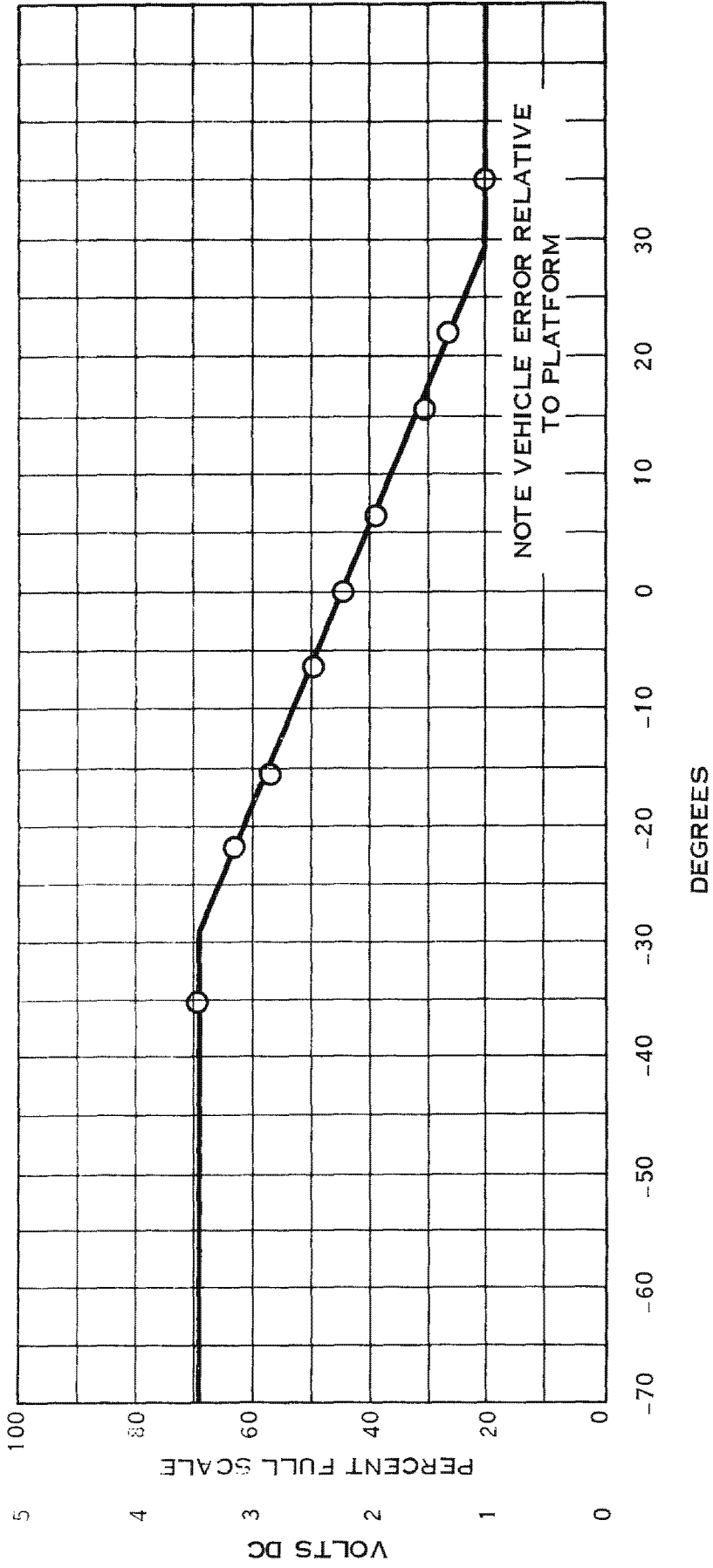
DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC



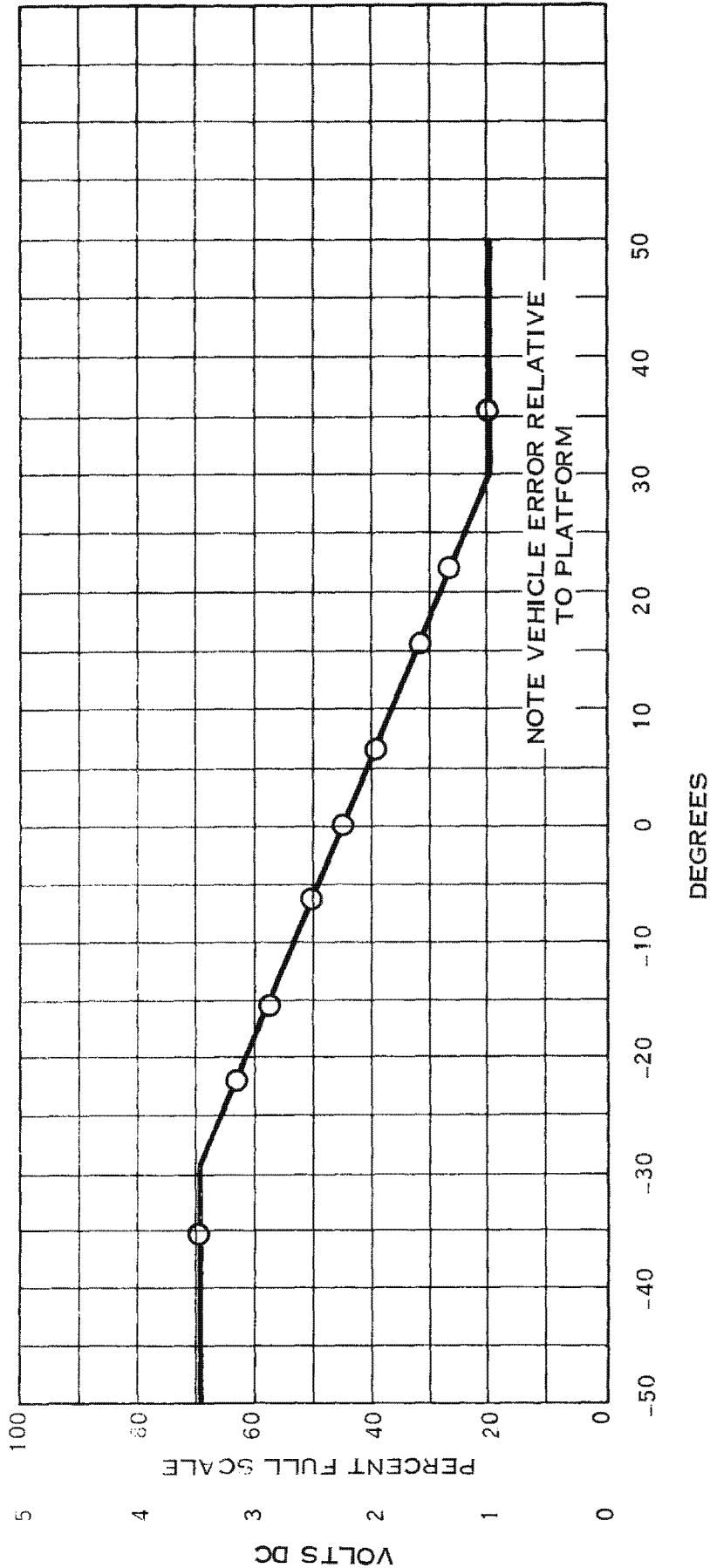
FUNCTION:	Q AXIS MAGNETOMETER	VEHICLE:	988
RANGE:	+550 MILLIGAUSS	BAND:	16 (40.0 KC)
DRAWING NO:	1461662-003	PULSE:	20
"A" NUMBER:	1951	EXCITATION:	28 VDC
		DATA SOURCE:	SYSTEMS DATA



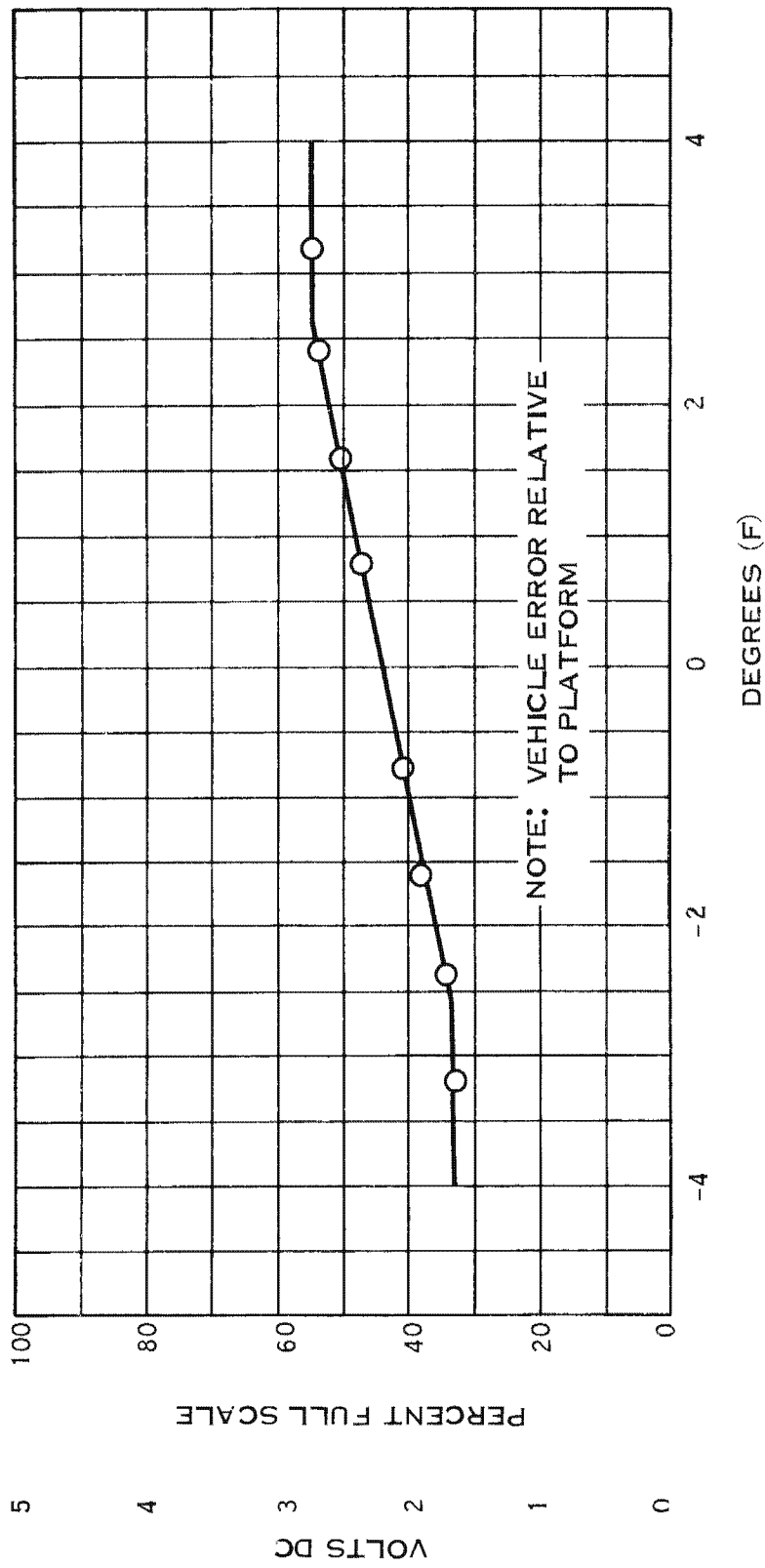
FUNCTION:	R AXIS MAGNETOMETER	VEHICLE:	988
RANGE:	+550 MILLIGAUSS	BAND:	16 (40.0 KC)
DRAWING NO:	1461662-003	PULSE:	21
"A" NUMBER:	1951	EXCITATION:	28 VDC
		DATA SOURCE:	SYSTEMS DATA



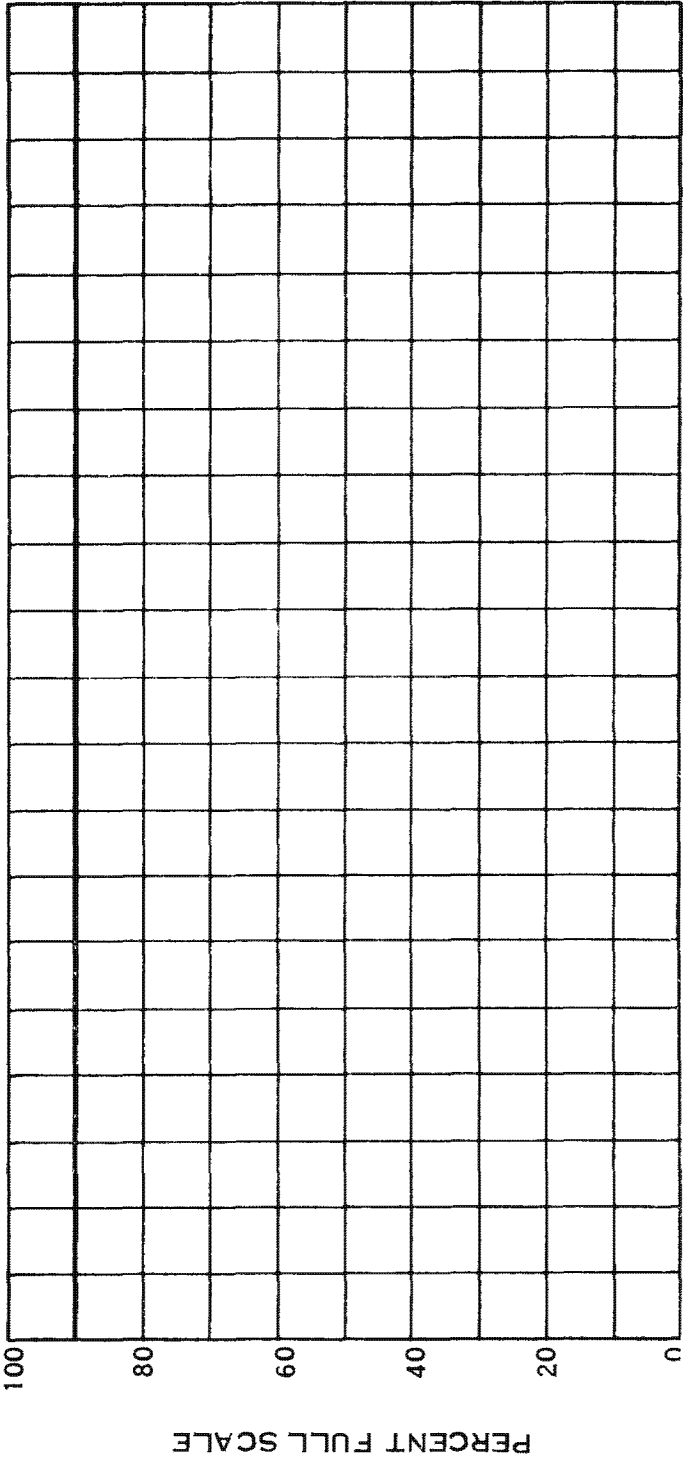
FUNCTION:	PITCH DEMODULATOR ERROR	VEHICLE:	988
RANGE:	-70 TO +15 DEGREES	BAND:	16 (40.0 KC)
DRAWING NO:	134B5049 P9	PULSE:	22
"A" NUMBER:	951	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA



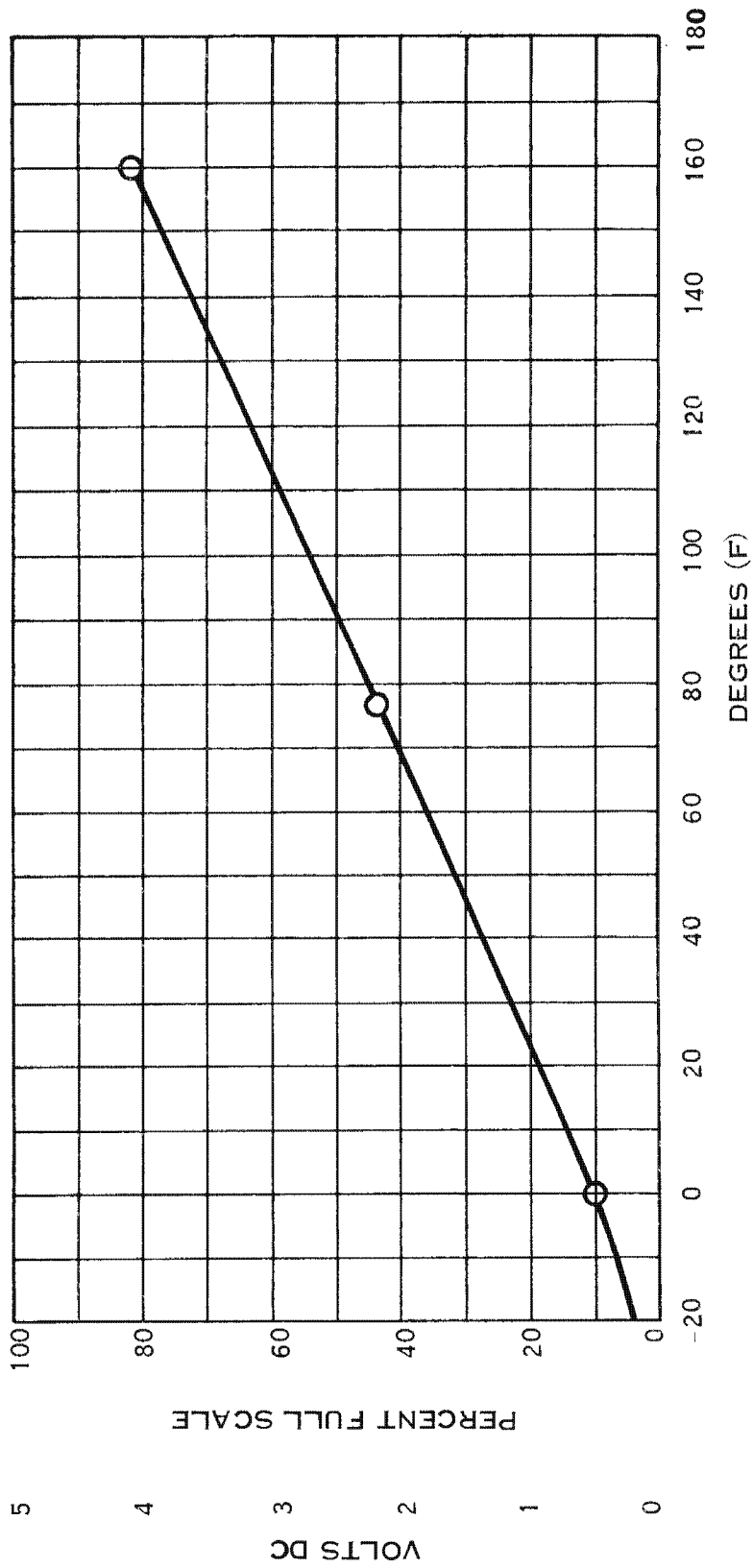
FUNCTION:	ROLL DEMODULATOR ERROR	VEHICLE:	988
RANGE:	± 50 DEGREES	BAND:	16 (40.0 KC)
DRAWING NO:	134B5049 P9	PULSE:	23
"A" NUMBER:	951	EXCITATION:	26 VDC REG.
		DATA SOURCE:	COMPONENT DATA



FUNCTION: YAW DEMODULATOR ERROR VEHICLE: 988
RANGE: ± 2 DEGREES STA/RAD: 229.5/0° BAND: 16 (40.0 KC)
DRAWING NO: 134B5049 P9 SV SECTION: 6.1 PULSE: 24
"A" NUMBER: 951 DATA SOURCE: COMPONENT DATA EXCITATION: 26 VDC REG.



FUNCTION:	CALIBRATION — 90 PERCENT	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	16 (40.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	25
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION: TEMPERATURE, S BAND BEACON - INT.

RANGE: 0 TO 160 DEGREES F

DRAWING NO: 113C9517 P3

"A" NUMBER: 350

VEHICLE: 988

BAND: 16 (40.0 KC)

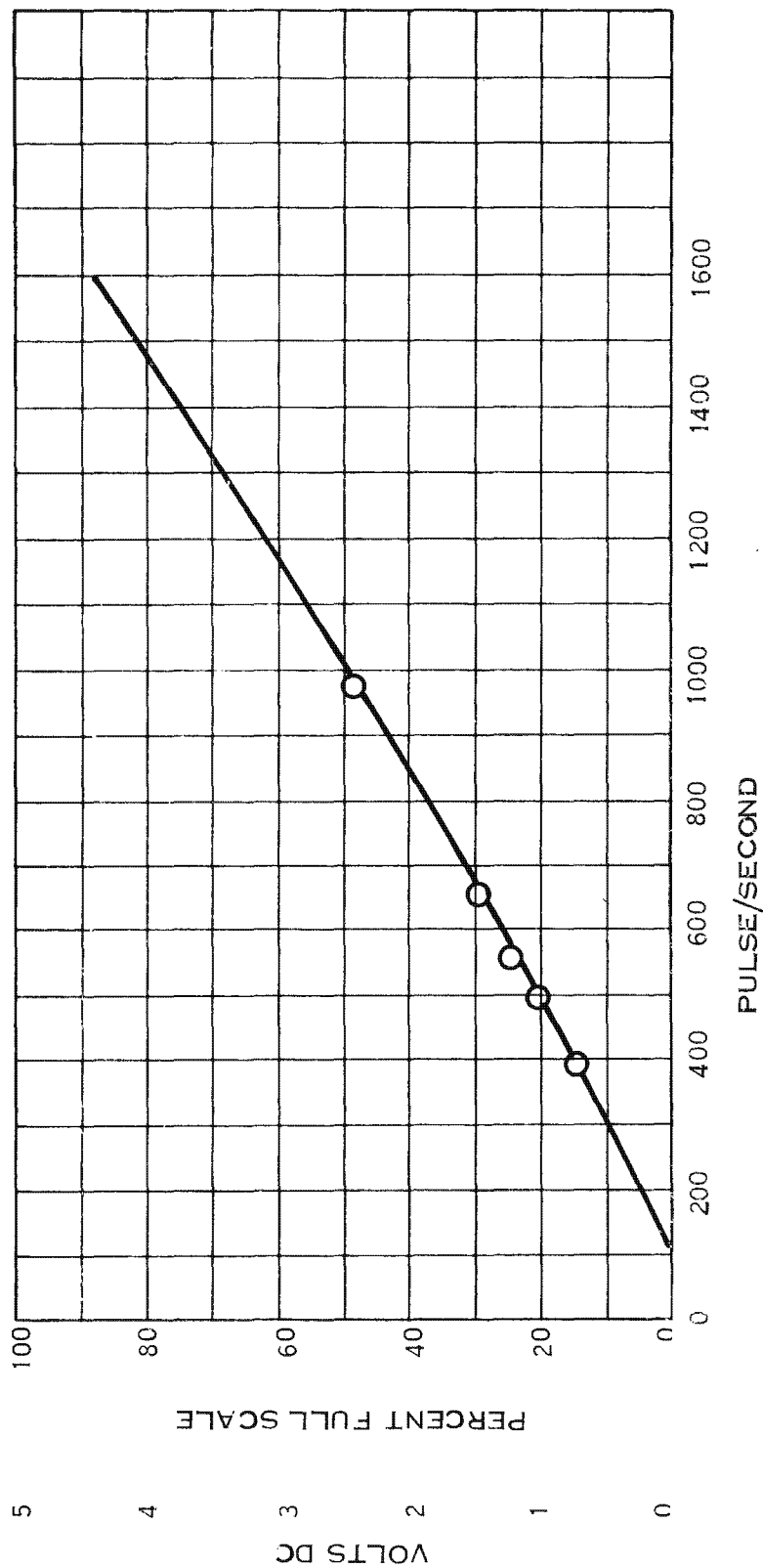
PULSE: 26

EXCITATION: 28 VDC

STA/RAD: 75/225°

SV SECTION: 4

DATA SOURCE: COMPONENT DATA

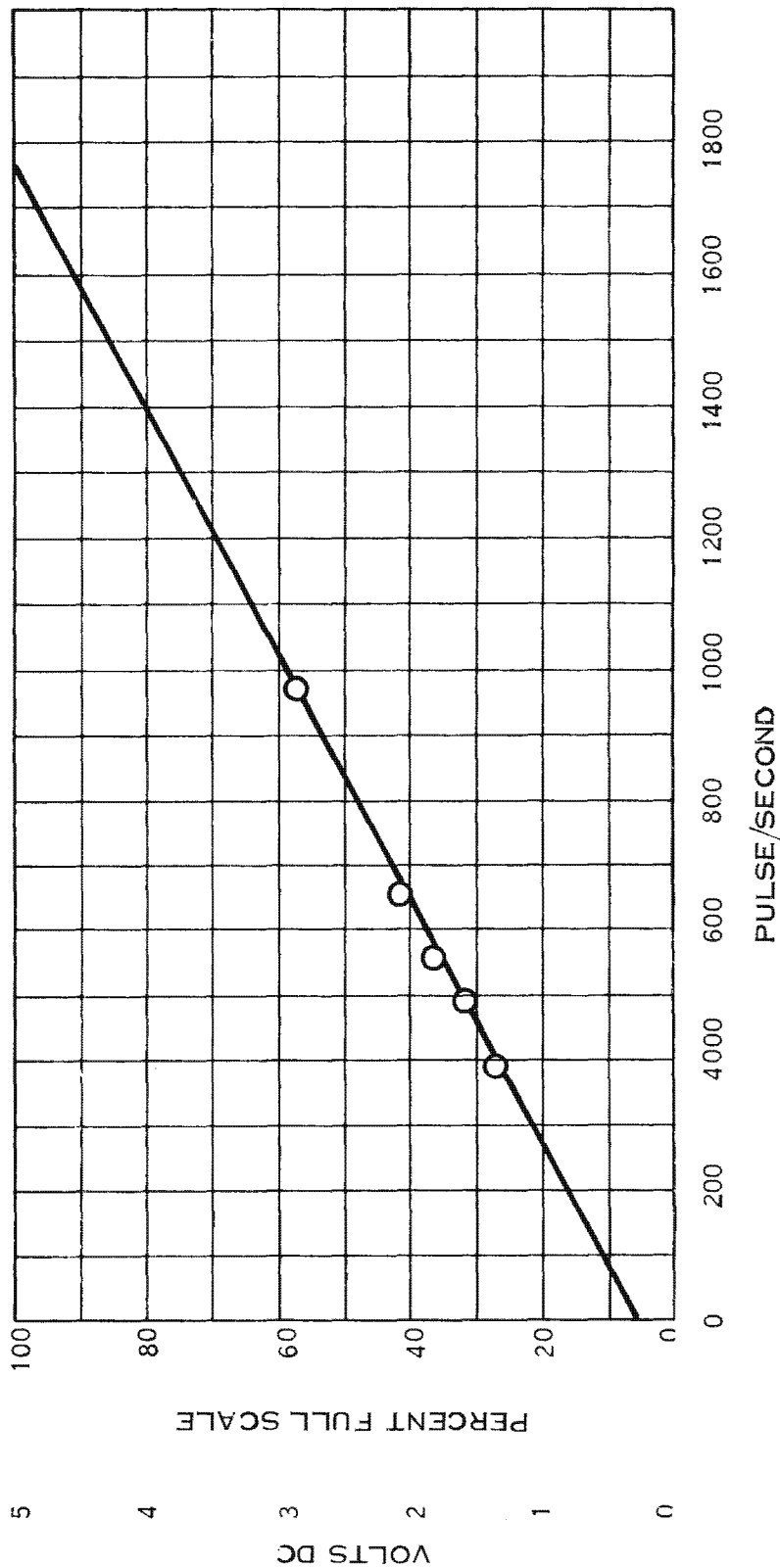


FUNCTION: S BAND BEACON INTERROGATE VEHICLE: 988

RANGE: 0 TO 1600 PPS STA/RAD: 75/225° BAND: 16 (40.0 KC)

DRAWING NO: 113C9517 P3 SV SECTION: 4 PULSE: 27

"A" NUMBER: 350 DATA SOURCE: SYSTEMS DATA EXCITATION: 28V DC

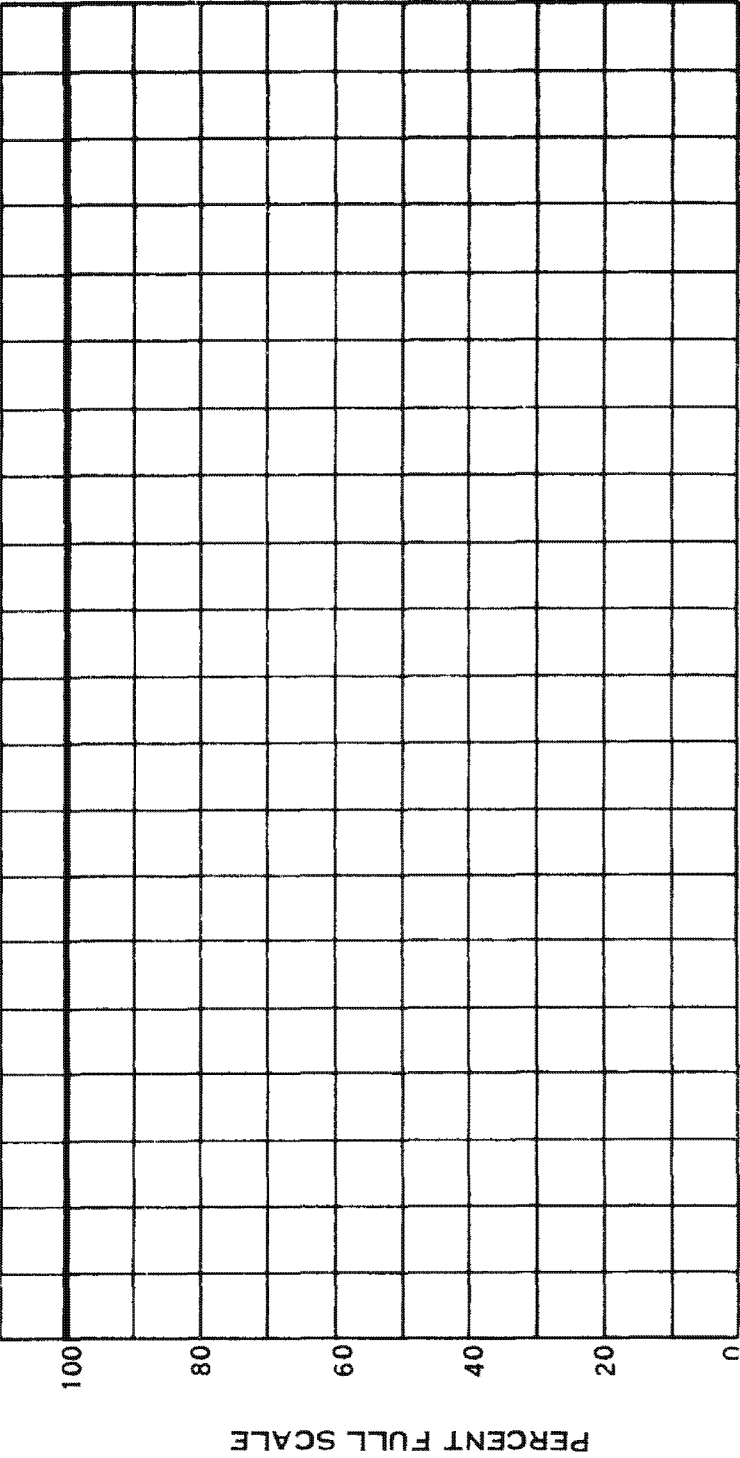


FUNCTION: S BAND BEACON TRANSMIT VEHICLE: 988

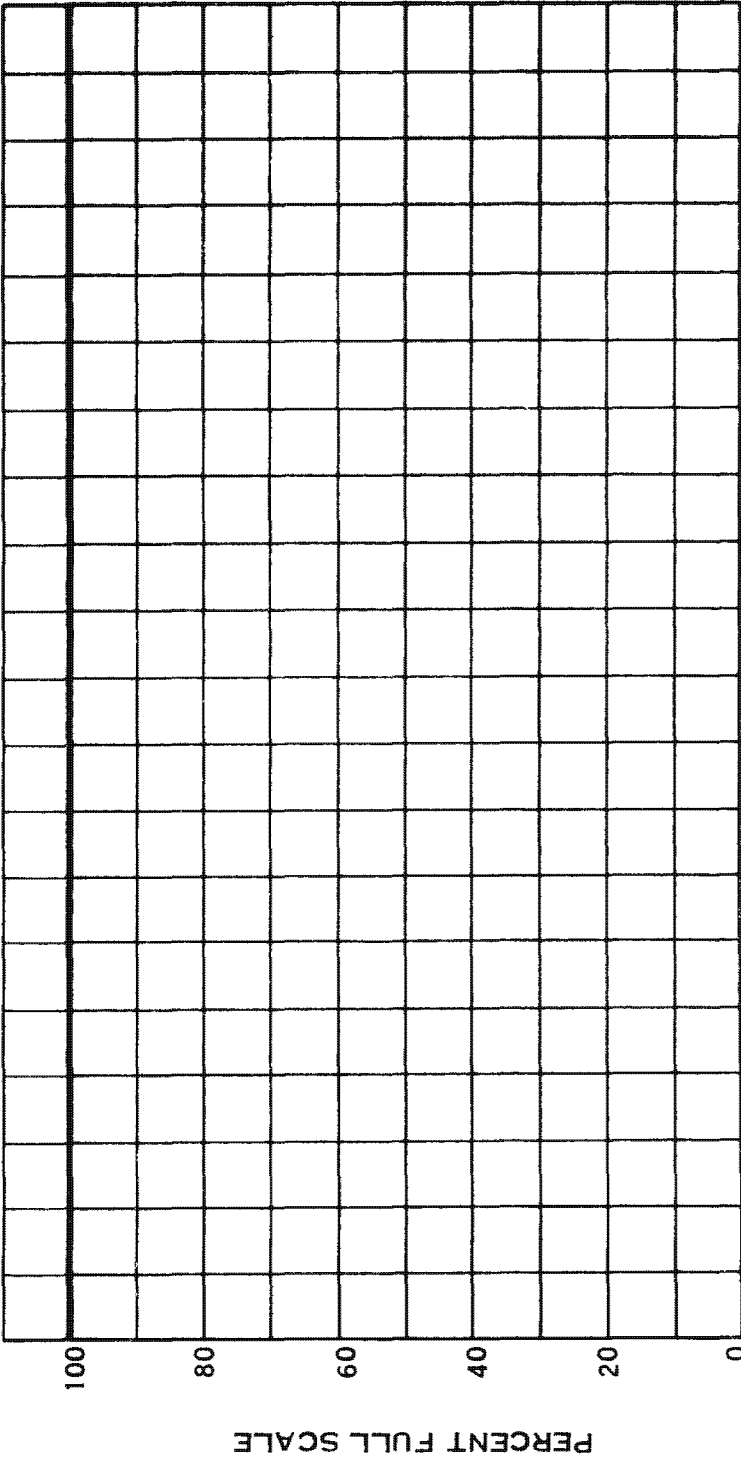
RANGE: 0 TO 1600 PPS STA/RAD: 75/225° BAND: 16 (40.0 KC)

DRAWING NO: 113C9517 P3 SV SECTION: 4 PULSE: 28

"A" NUMBER: 350 DATA SOURCE: SYSTEMS DATA EXCITATION: 28 VDC



FUNCTION:	FRAME SYNC	VEHICLE:	988
RANGE:	STA/RAD:	BAND:	16 (40.0 KC)
DRAWING NO:	SV SECTION:	PULSE:	29
"A" NUMBER:	DATA SOURCE:	EXCITATION:	



FUNCTION: FRAME SYNC

VEHICLE: 988

RANGE:

STA/RAD:

BAND: 16 (40.0 KC)

DRAWING NO:

SV SECTION:

PULSE: 30

"A" NUMBER:

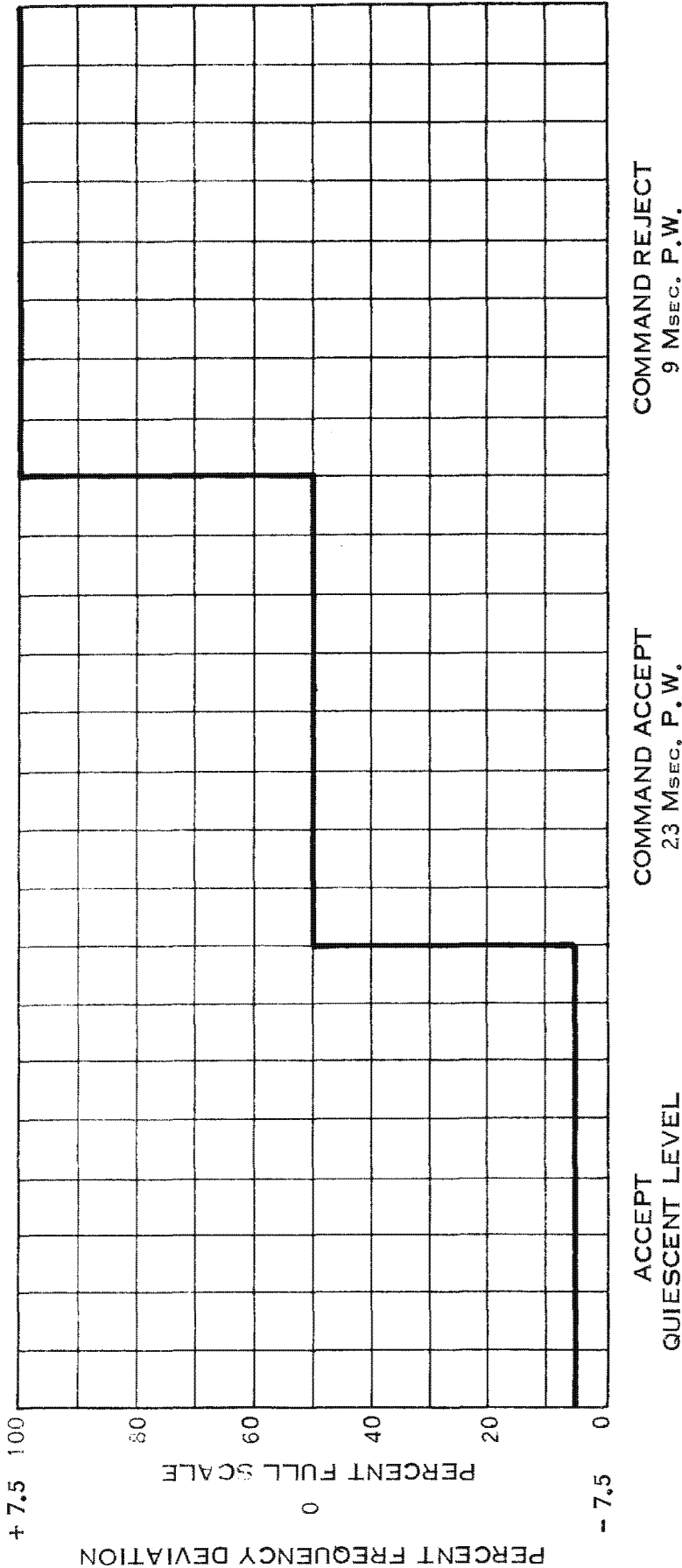
DATA SOURCE:

EXCITATION:

BAND 17

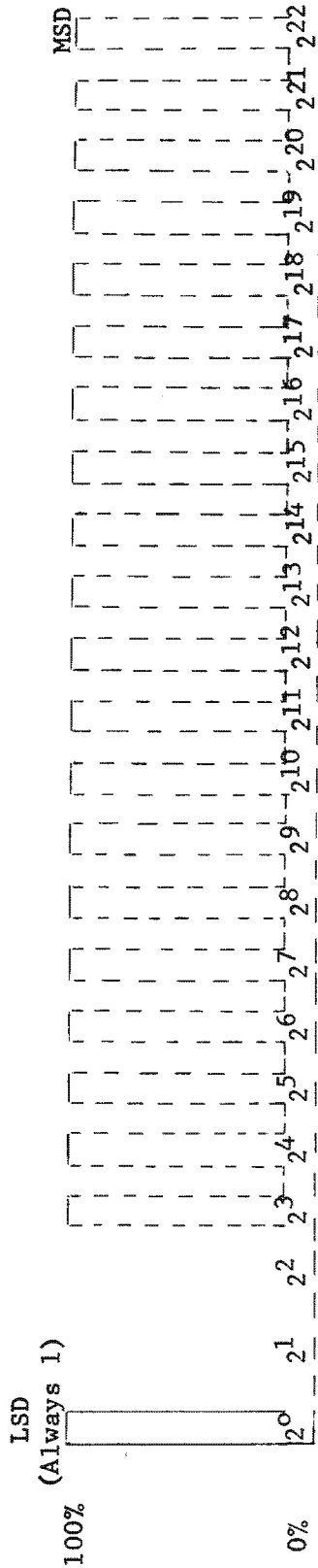
52.5 KC

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FUNCTION: COMMAND VERIFICATION
RANGE: STA/RAD: 188/360°
DRAWING NO: 242E564 G15 SV SECTION: 6
"A" NUMBER: 357
VEHICLE: 988
BAND: 17 (52.5 KC)
PULSE: CONTINUOUS
EXCITATION: 6 VDC REG.

BAND 18
70.0 KC



FUNCTION: VEHICLE CLOCK TIME STA/RAD: 173/360° VEHICLE: 988

RANGE: SV SECTION: 6 BAND: 18 (70.0 KC)

DRAWING NO: 103C4975 P3 DATA SOURCE: SYSTEM DATA PULSE: CONTINUOUS

A NUMBER: 359 EXCITATION: 6 VDC REG.

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DELTA 4

SRV

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Note:
Tolerance for all function measurements is $\pm 5\%$.
Tolerance for all event measurements is $\pm 10\%$.

VEHICLE: 988
TLM LINK: 4

TLM MODE: TERMINAL

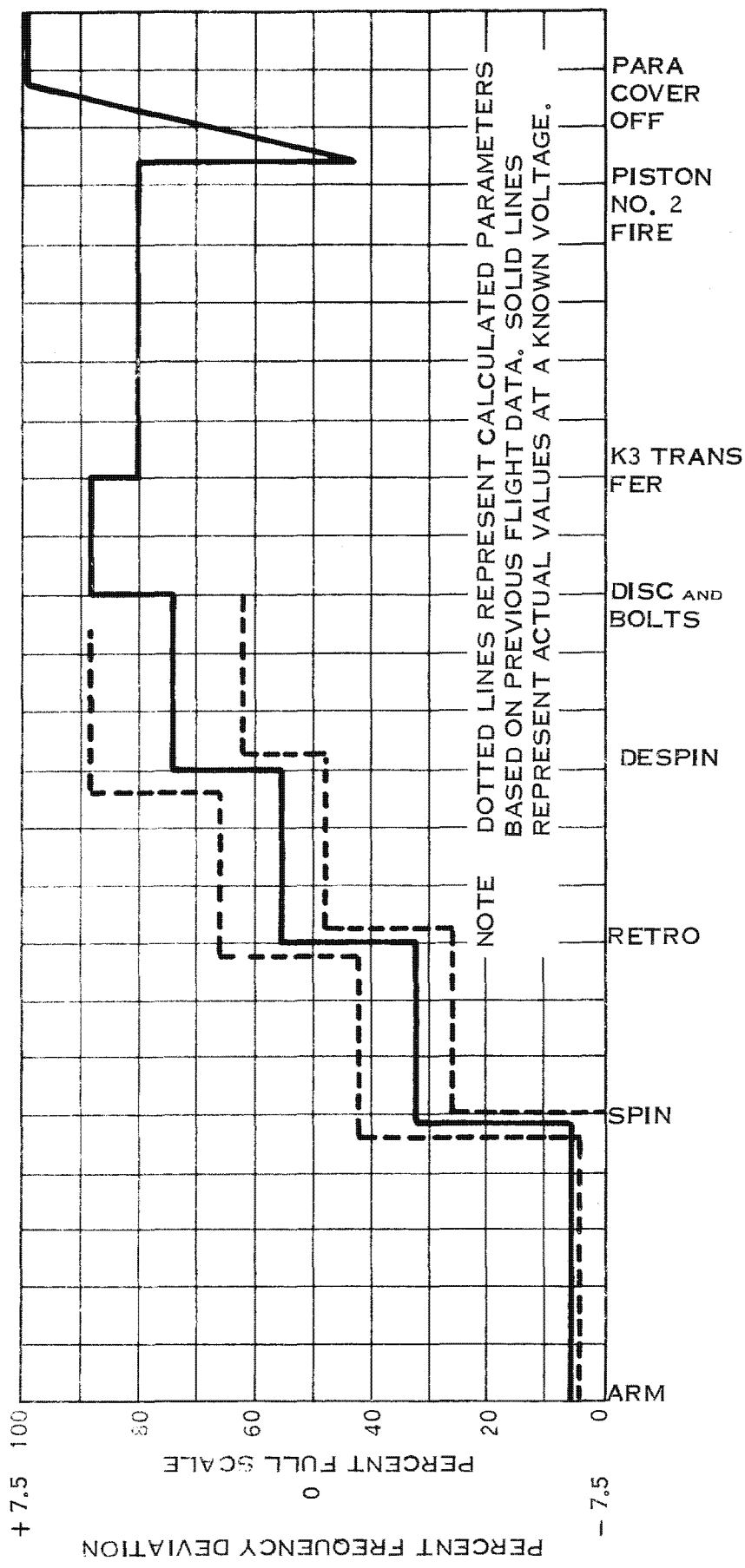
TLM LOCATION		A	FUNCTION	RANGE			PHYS. LOCATION	AMB	PRIOR-	CURVE
BAND	FREQ			LO	HI	UNITS				
			SRV SEPARATION EVENTS							278
8	3.0	CONT	H-30 SYSTEM EVENTS			EVENT				279
9	3.9	CONT	H-30 SYSTEM EVENTS			EVENT				280
10	5.4	CONT	BUSS MODE DETERMINATION			EVENT				281
12	10.5	CONT	H-30 RETRO IMPULSE	0	6	G's	28.72/110°			282
		1806	H-30 PARACHUTE DEPLOYMENT IMPULSE	-40	0	G's	28.72/100°			282
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EVENTS	TIME	IRIG BAND
Transfer	T ₀	9
OCV/SRV IFD Voltage	T ₀ +4.9s	9
Spin - Actuation Signal - Breakwire	T ₀ +4.3s	8 9
Retro-Rocket - Fire Signal - Breakwire	T ₀ +5.55s	8 9
Despin - Actuation Signal - Breakwire	T ₀ +16.3s	8 9
Thrust Cone - Disconnect Signal - Electrical Disconnect - Recovery Battery #2 - Recovery Battery #1	T ₀ +17.8s	8 8 8 9
* Thrust Cone - Disconnect Signal Inhibit Timer Signal	ARM+250s	9 9
* Inhibit Timer Disconnect Signal Off	ARM+300s	9
3-G Switch Close	T ₀ +408s	9
* 3-G Switch Close	ARM+860s	9
3-G Switch Open	T ₀ +507s=T ₁	9
* 3-G Switch Open	ARM+910s=T ₁	9
Parachute - Piston #1 Fire	T ₀ +541s or T ₁ +34.0s	9
- Piston #2 Fire		8
-Parachute Cover Off		8
-Forebody Separation		9
*Inhibit Timer Events		

VEHICLE: 988

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FUNCTION: SYSTEMS EVENTS

RANGE: 8 (3.0 KC)

DRAWING NO: CONTINUOUS

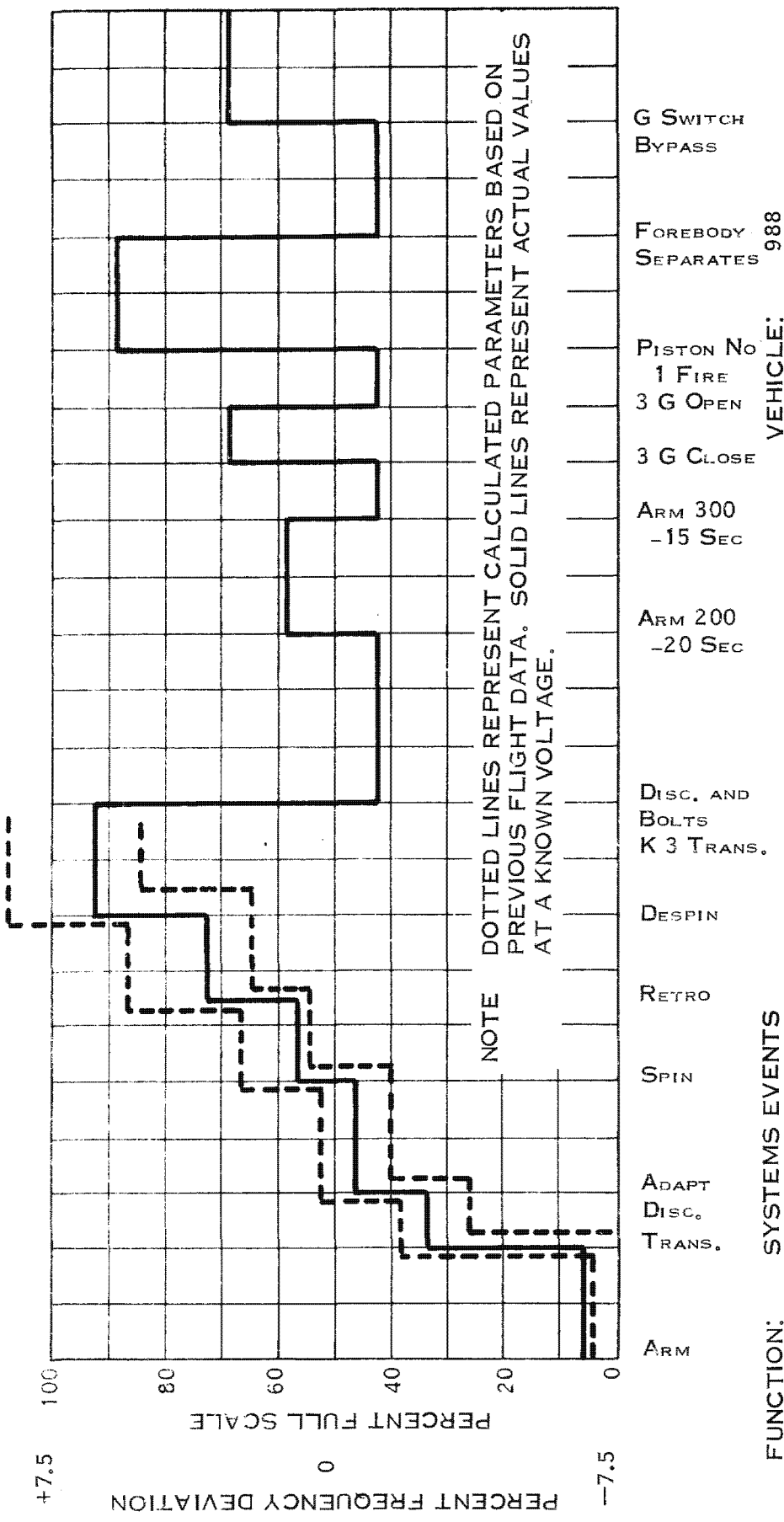
"A" NUMBER: 33 AND 15

VEHICLE: 988

BAND: 8 (3.0 KC)

PULSE: CONTINUOUS

EXCITATION: 33 AND 15 VOLTS DC



FUNCTION: SYSTEMS EVENTS

RANGE: 9 (3.9 KC)

DRAWING NO: CONTINUOUS

"A" NUMBER: 33 AND 15 VOLTS DC

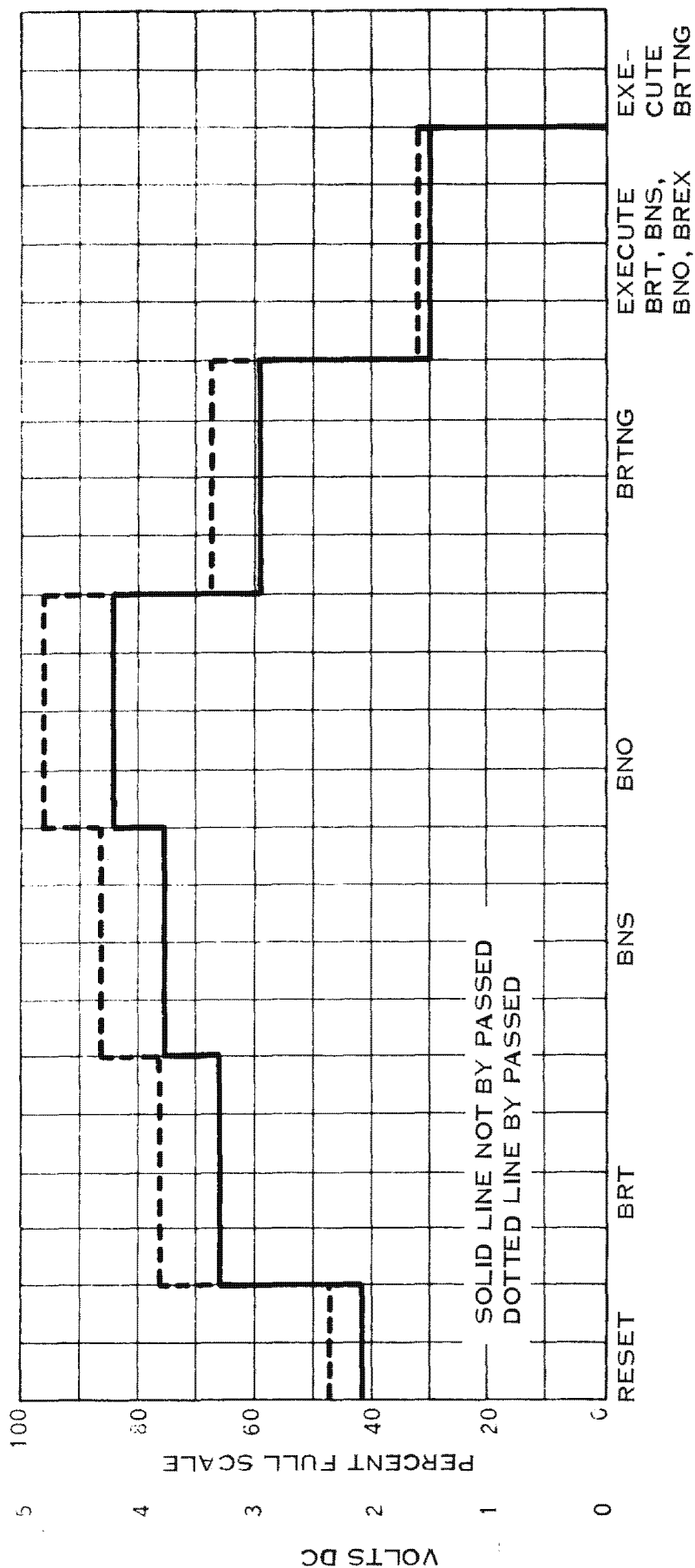
STA/RAD: SRV

SV SECTION: DATA SOURCE:

VEHICLE: 988

BAND: PULSE:

EXCITATION: 33 AND 15 VOLTS DC



FUNCTION: BUSS MODE DETERMINATION

RANGE:

STA/RAD:

BAND: 10 (5.4 KC)

DRAWING NO:

SV SECTION:

PULSE: CONTIN.

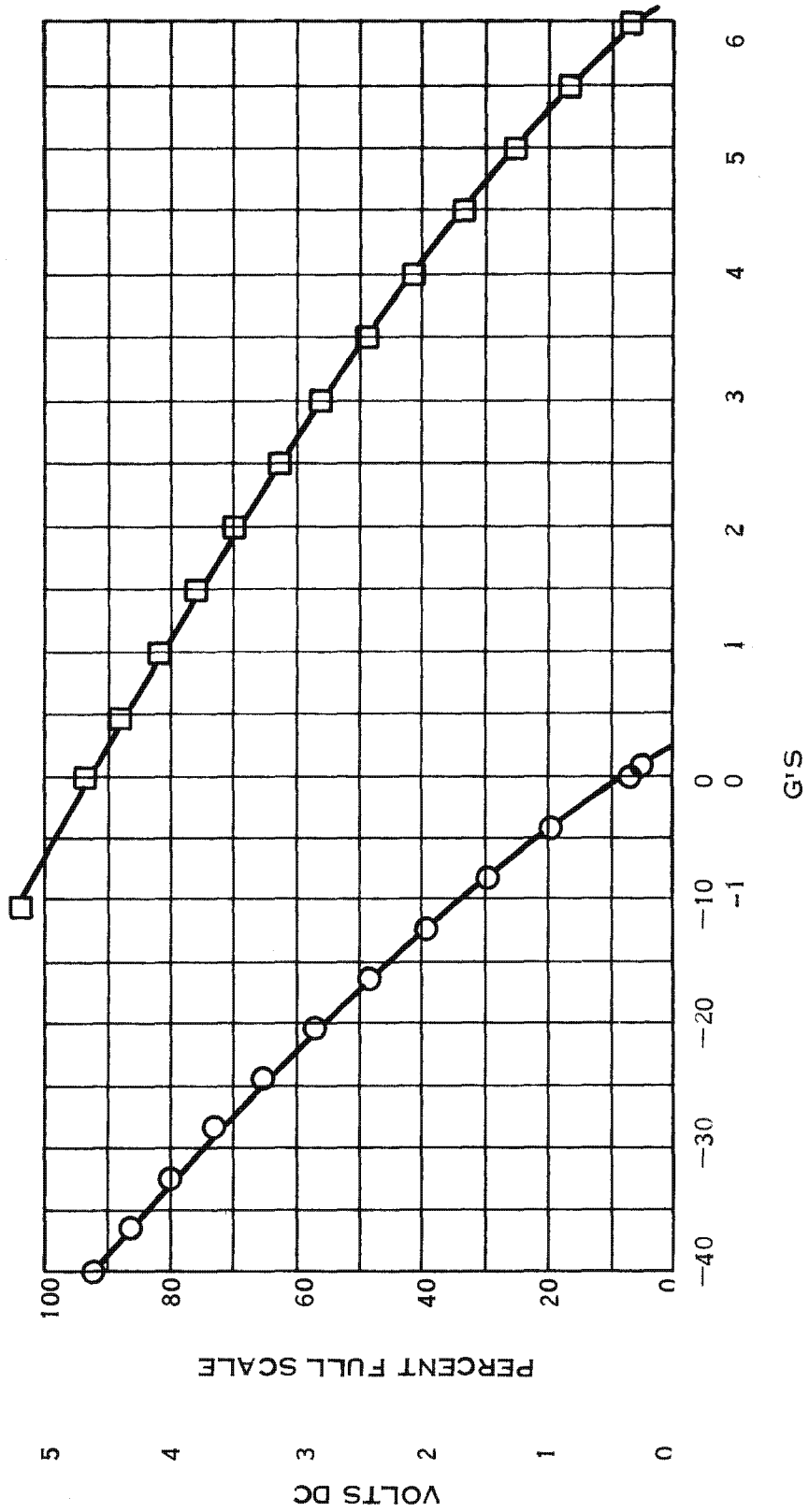
"A" NUMBER:

DATA SOURCE: SYSTEMS DATA

EXCITATION:

VEHICLE: 988

NOTE 0 TO 6G ACCELEROMETER SWITCHES TO -40 TO 0 G ACCELEROMETER AT T/C DISCONNECT



FUNCTION: H-30 RETRO AND PARACHUTE DEPLOYMENT IMPULSES

RANGE: 0 TO 6 G'S A

DRAWING NO: 938C250 G 5/6

"A" NUMBER:

VEHICLE: 988

STA/RAD: A1805 28.72/110°
A1806 28.72/100°

SV SECTION: SRV

DATA SOURCE:

BAND: 12 (10.5 KC)

PULSE: CONTINUOUS

EXCITATION: