

1403 Masch. n. 11401 / 130 - 724

IBM

WIRING DIAGRAM

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 1401 PRINTER SYSTEM DIAGRAM
 MACHINE SERIAL NUMBER

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FBI 485 980
 FBI 480 101

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
1	1400		SYSTEM DIAGRAM				
2							

8 01.01.1 HAMMER RESP (RET) 9 & 11	7 01.01.1 HAMMER FIRE (DRV) 9	6 01.01.1 HAMMER FIRE (DRV) 7	5 01.01.1 HAMMER RESP (RET) 5 & 7	4 01.01.1 HAMMER FIRE (DRV) 5	3 01.01.1 HAMMER FIRE (DRV) 3	2 01.01.1 HAMMER RESP (RET) 1 & 3	1 01.01.1 HAMMER FIRE (DRV) 1
16 01.01.1 HAMMER FIRE (DRV) 21	15 01.01.1 HAMMER FIRE (DRV) 19	14 01.01.1 HAMMER RESP (RET) 17 & 19	13 01.01.1 HAMMER FIRE (DRV) 17	12 01.01.1 HAMMER FIRE (DRV) 15	11 01.01.1 HAMMER RESP (RET) 13 & 15	10 01.01.1 HAMMER FIRE (DRV) 13	9 01.01.1 HAMMER FIRE (DRV) 11
24 01.01.1 HAMMER FIRE (DRV) 31	23 01.01.1 HAMMER RESP (RET) 29 & 31	22 01.01.1 HAMMER FIRE (DRV) 29	21 01.01.1 HAMMER FIRE (DRV) 27	20 01.01.1 HAMMER RESP (RET) 25 & 27	19 01.01.1 HAMMER FIRE (DRV) 25	18 01.01.1 HAMMER FIRE (DRV) 23	17 01.01.1 HAMMER RESP (RET) 21 & 23
32 01.01.1 HAMMER RESP (RET) 41 & 43	31 01.01.1 HAMMER FIRE (DRV) 41	30 01.01.1 HAMMER FIRE (DRV) 39	29 01.01.1 HAMMER RESP (RET) 37 & 39	28 01.01.1 HAMMER FIRE (DRV) 37	27 01.01.1 HAMMER FIRE (DRV) 35	26 01.01.1 HAMMER RESP (RET) 33 & 35	25 01.01.1 HAMMER FIRE (DRV) 33
40 01.01.1 HAMMER FIRE (DRV) 53	39 01.01.1 HAMMER FIRE (DRV) 51	38 01.01.1 HAMMER RESP (RET) 49 & 51	37 01.01.1 HAMMER FIRE (DRV) 49	36 01.01.1 HAMMER FIRE (DRV) 47	35 01.01.1 HAMMER RESP (RET) 45 & 47	34 01.01.1 HAMMER FIRE (DRV) 45	33 01.01.1 HAMMER FIRE (DRV) 43
48 01.01.1 HAMMER FIRE (DRV) 63	47 01.01.1 HAMMER RESP (RET) 61 & 63	46 01.01.1 HAMMER FIRE (DRV) 61	45 01.01.1 HAMMER FIRE (DRV) 59	44 01.01.1 HAMMER RESP (RET) 57 & 59	43 01.01.1 HAMMER FIRE (DRV) 57	42 01.01.1 HAMMER FIRE (DRV) 55	41 01.01.1 HAMMER RESP (RET) 53 & 55
56 01.02.1 HAMMER RESP (RET) 73 & 75	55 01.02.1 HAMMER FIRE (DRV) 73	54 01.02.1 HAMMER FIRE (DRV) 71	53 01.02.1 HAMMER RESP (RET) 59 & 71	52 01.02.1 HAMMER FIRE (DRV) 69	51 01.01.1 HAMMER FIRE (DRV) 67	50 01.01.1 HAMMER RESP (RET) 65 & 67	49 01.01.1 HAMMER FIRE (DRV) 65
64 01.02.1 HAMMER FIRE (DRV) 85	63 01.02.1 HAMMER FIRE (DRV) 83	62 01.02.1 HAMMER RESP (RET) 81 & 83	61 01.02.1 HAMMER FIRE (DRV) 81	60 01.02.1 HAMMER FIRE (DRV) 79	59 01.02.1 HAMMER RESP (RET) 77 & 79	58 01.02.1 HAMMER FIRE (DRV) 77	57 01.02.1 HAMMER FIRE (DRV) 75
72 01.02.1 HAMMER FIRE (DRV) 95	71 01.02.1 HAMMER RESP (RET) 93 & 95	70 01.02.1 HAMMER FIRE (DRV) 93	69 01.02.1 HAMMER FIRE (DRV) 91	68 01.02.1 HAMMER RESP (RET) 89 & 91	67 01.02.1 HAMMER FIRE (DRV) 89	66 01.02.1 HAMMER FIRE (DRV) 87	65 01.02.1 HAMMER RESP (RET) 85 & 87
80 01.02.1 HAMMER RESP (RET) 105 & 107	79 01.02.1 HAMMER FIRE (DRV) 105	78 01.02.1 HAMMER FIRE (DRV) 103	77 01.02.1 HAMMER RESP (RET) 101 & 103	76 01.02.1 HAMMER FIRE (DRV) 101	75 01.02.1 HAMMER FIRE (DRV) 99	74 01.02.1 HAMMER RESP (RET) 97 & 99	73 01.02.1 HAMMER FIRE (DRV) 97
88 01.02.1 HAMMER FIRE (DRV) 117	87 01.02.1 HAMMER FIRE (DRV) 115	86 01.02.1 HAMMER RESP (RET) 113 & 115	85 01.02.1 HAMMER FIRE (DRV) 113	84 01.02.1 HAMMER FIRE (DRV) 111	83 01.02.1 HAMMER RESP (RET) 109 & 111	82 01.02.1 HAMMER FIRE (DRV) 109	81 01.02.1 HAMMER FIRE (DRV) 107
96 01.02.1 HAMMER FIRE (DRV) 127	95 01.02.1 HAMMER RESP (RET) 125 & 127	94 01.02.1 HAMMER FIRE (DRV) 125	93 01.02.1 HAMMER FIRE (DRV) 123	92 01.02.1 HAMMER RESP (RET) 121 & 123	91 01.02.1 HAMMER FIRE (DRV) 121	90 01.02.1 HAMMER FIRE (DRV) 119	89 01.02.1 HAMMER RESP (RET) 117 & 119
104 SPARE #18	103 SPARE #18	102 SPARE #18	101 SPARE #18	100 01.06.1 -6V RESTORE KEY	99 01.02.1 HAMMER FIRE (DRV) 131	98 01.02.1 HAMMER RESP (RET) 129 & 131	97 01.02.1 HAMMER FIRE (DRV) 129
112 01.05.1 SHIELD GND	111 01.05.1 SHIELD GND	110 01.05.1 CHAIN INTLK - 60 V	109 01.05.1 -20V	108 SPARE #18	107 SPARE #18	106 SPARE #18	105 01.05.1 CHAIN INTLK - 60 V
120 01.06.1 -T START RELAY CTRL	119 01.07.1 HIGH SPEED STOP IND (DRIVE)	118 01.07.1 LOW SPEED STOP IND (DRIVE)	117 01.06.1 +T (-S) FORMS CHECK DR CARR. STOP	116 01.07.1 HIGH SPEED START IND (DRIVE)	115 01.07.1 LOW SPEED START IND (DRIVE)	114 SPARE #20	113 SPARE #20
128 SPARE #20	127 01.07.1 CARRIAGE INTLK	126 SPARE #20	125 SPARE #20	124 01.05.1 DC GND RETURN	123 SPARE #20	122 SPARE #20	121 01.05.1 -12V
136 01.06.1 -T START RELAY	135 SPARE #20	134 01.07.1 END OF FORMS	133 01.07.1 CHAIN MOTOR RELAY	132 01.09.1 PRINT CONN INTLK 1	131 SPARE #20	130 01.06.1 +U (+S) PRINT READY IND	129 SPARE #20
144 01.06.1 +T (+S) CHECK RESET	143 01.08.1 +12V	142 01.08.1 SENSE AMP 2	141 01.08.1 SENSE AMP 1	140 01.05.1 -6V	139 01.05.1 +6V	138 01.06.1 -T (-S) RESTORE KEY	137 01.06.1 +U (+S) RESTORE KEY
152 01.06.1 +U (+S) SINGLE CYCLE PRINT	151 01.06.1 -T (-S) SINGLE CYCLE PRINT	150 01.06.1 PRINT CHECK IND	149 01.06.1 -T (+S) PR STOP KEY	148 01.06.1 -6V (-12V)	147 01.06.1 +6V (-12V)	146 SPARE #20	145 SPARE #20
160 01.06.1 +U (+S) SYNC CHECK IND	159 01.06.1 +U (+C) END OF FORMS IND	158 SPARE #20	157 01.06.1 -T (-S) SPACE KEY	156 01.06.1 +U (+S) SPACE KEY	155 01.06.1 +6V (DC GND)	154 01.06.1 +U (+S) NOT PR START KEY	153 01.06.1 +U PR START KEY

NOTE X: NOTATIONS IN PARENTHESIS APPLY WHEN PRINTER IS USED WITH 1410 SYSTEM. WIRING SIDE FIXED MOUNT

13M	SYN	REV	DATE	SYN	REV	DATE	SYN	REV	DATE
SYSTEM DIAGRAM									
01.02.1									
1405									
4.4.62									
4.4.62									

3 01.03.1 HAMMER RESP (RET) 13 & 12	7 01.03.1 HAMMER FIRE (DRV) 10	6 01.03.1 HAMMER FIRE (DRV) 8	5 01.03.1 HAMMER RESP (RET) 6 & 8	4 01.03.1 HAMMER FIRE (DRV) 6	3 01.03.1 HAMMER FIRE (DRV) 4	2 01.03.1 HAMMER RESP (RET) 2 & 4	1 01.03.1 HAMMER FIRE (DRV) 2
16 01.03.1 HAMMER FIRE (DRV) 22	15 01.03.1 HAMMER FIRE (DRV) 20	14 01.03.1 HAMMER RESP (RET) 18 & 20	13 01.03.1 HAMMER FIRE (DRV) 18	12 01.03.1 HAMMER FIRE (DRV) 16	11 01.03.1 HAMMER RESP (RET) 14 & 16	10 01.03.1 HAMMER FIRE (DRV) 14	9 01.03.1 HAMMER FIRE (DRV) 12
24 01.03.1 HAMMER FIRE (DRV) 32	23 01.03.1 HAMMER RESP (RET) 30 & 32	22 01.03.1 HAMMER FIRE (DRV) 30	21 01.03.1 HAMMER FIRE (DRV) 28	20 01.03.1 HAMMER RESP (RET) 26 & 28	19 01.03.1 HAMMER FIRE (DRV) 26	18 01.03.1 HAMMER FIRE (DRV) 24	17 01.03.1 HAMMER RESP (RET) 22 & 24
32 01.03.1 HAMMER RESP (RET) 42 & 44	31 01.03.1 HAMMER FIRE (DRV) 42	30 01.03.1 HAMMER FIRE (DRV) 40	29 01.03.1 HAMMER RESP (RET) 38 & 40	28 01.03.1 HAMMER FIRE (DRV) 38	27 01.03.1 HAMMER FIRE (DRV) 36	26 01.03.1 HAMMER RESP (RET) 34 & 36	25 01.03.1 HAMMER FIRE (DRV) 34
40 01.03.1 HAMMER FIRE (DRV) 54	39 01.03.1 HAMMER FIRE (DRV) 52	38 01.03.1 HAMMER RESP (RET) 50 & 52	37 01.03.1 HAMMER FIRE (DRV) 50	36 01.03.1 HAMMER FIRE (DRV) 48	35 01.03.1 HAMMER RESP (RET) 46 & 48	34 01.03.1 HAMMER FIRE (DRV) 46	33 01.03.1 HAMMER FIRE (DRV) 44
48 01.03.1 HAMMER FIRE (DRV) 64	47 01.03.1 HAMMER RESP (RET) 62 & 64	46 01.03.1 HAMMER FIRE (DRV) 62	45 01.03.1 HAMMER FIRE (DRV) 60	44 01.03.1 HAMMER RESP (RET) 58 & 60	43 01.03.1 HAMMER FIRE (DRV) 58	42 01.03.1 HAMMER FIRE (DRV) 56	41 01.03.1 HAMMER RESP (RET) 54 & 56
56 01.04.1 HAMMER RESP (RET) 74 & 76	55 01.04.1 HAMMER FIRE (DRV) 74	54 01.04.1 HAMMER FIRE (DRV) 72	53 01.04.1 HAMMER RESP (RET) 70 & 72	52 01.04.1 HAMMER FIRE (DRV) 70	51 01.03.1 HAMMER FIRE (DRV) 68	50 01.03.1 HAMMER RESP (RET) 66 & 68	49 01.03.1 HAMMER FIRE (DRV) 66
64 01.04.1 HAMMER FIRE (DRV) 86	63 01.04.1 HAMMER FIRE (DRV) 84	62 01.04.1 HAMMER RESP (RET) 82 & 84	61 01.04.1 HAMMER FIRE (DRV) 82	60 01.04.1 HAMMER FIRE (DRV) 80	59 01.04.1 HAMMER RESP (RET) 78 & 80	58 01.04.1 HAMMER FIRE (DRV) 78	57 01.04.1 HAMMER FIRE (DRV) 76
72 01.04.1 HAMMER FIRE (DRV) 96	71 01.04.1 HAMMER RESP (RET) 94 & 96	70 01.04.1 HAMMER FIRE (DRV) 94	69 01.04.1 HAMMER FIRE (DRV) 92	68 01.04.1 HAMMER RESP (RET) 90 & 92	67 01.04.1 HAMMER FIRE (DRV) 90	66 01.04.1 HAMMER FIRE (DRV) 88	65 01.04.1 HAMMER RESP (RET) 86 & 88
80 01.04.1 HAMMER RESP (RET) 106 & 108	79 01.04.1 HAMMER FIRE (DRV) 106	78 01.04.1 HAMMER FIRE (DRV) 104	77 01.04.1 HAMMER RESP (RET) 102 & 104	76 01.04.1 HAMMER FIRE (DRV) 102	75 01.04.1 HAMMER FIRE (DRV) 100	74 01.04.1 HAMMER RESP (RET) 98 & 100	73 01.04.1 HAMMER FIRE (DRV) 98
88 01.04.1 HAMMER FIRE (DRV) 118	87 01.04.1 HAMMER FIRE (DRV) 116	86 01.04.1 HAMMER RESP (RET) 114 & 116	85 01.04.1 HAMMER FIRE (DRV) 114	84 01.04.1 HAMMER FIRE (DRV) 112	83 01.04.1 HAMMER RESP (RET) 110 & 112	82 01.04.1 HAMMER FIRE (DRV) 110	81 01.04.1 HAMMER FIRE (DRV) 108
96 01.04.1 HAMMER FIRE (DRV) 128	95 01.04.1 HAMMER RESP (RET) 126 & 128	94 01.04.1 HAMMER FIRE (DRV) 126	93 01.04.1 HAMMER FIRE (DRV) 124	92 01.04.1 HAMMER RESP (RET) 122 & 124	91 01.04.1 HAMMER FIRE (DRV) 122	90 01.03.1 HAMMER FIRE (DRV) 120	89 01.04.1 HAMMER RESP (RET) 118 & 120
104	103	102	101	100	99 01.04.1 HAMMER FIRE (DRV) 132	98 01.04.1 HAMMER RESP (RET) 130 & 132	97 01.04.1 HAMMER FIRE (DRV) 130
112 01.05.1	111 01.05.1	110	109	108	107	106	105
SHIELD GND	SHIELD GND	SPARE #18	SPARE #18	SPARE #18	SPARE #18	SPARE #18	SPARE #18
120	119	118	117	116	115	114	113
SPARE #20	SPARE #20	SPARE #20	SPARE #20	SPARE #20	SPARE #20	SPARE #20	SPARE #20
128	127	126 01.07.1	125 01.09.1	124	123	122	121
SPARE #20	SPARE #20	-60V CONTROLLED	PRINT CONN LINK 2	SPARE #20	SPARE #20	SPARE #20	SPARE #20
136 02.02.1	135 02.02.1	134 02.02.1	133 02.02.1	132 02.02.1	131 02.02.1	130 02.02.1	129
SLOW BRUSH 7	SLOW BRUSH 6	SLOW BRUSH 5	SLOW BRUSH 4	SLOW BRUSH 3	SLOW BRUSH 2	SLOW BRUSH 1	SPARE #20
144 02.03.1	143 02.03.1	142 02.03.1	141 02.02.1	140 02.02.1	139 02.02.1	138 02.02.1	137 02.02.1
STOP BRUSH 3	STOP BRUSH 2	STOP BRUSH 1	SLOW BRUSH 12	SLOW BRUSH 11	SLOW BRUSH 10	SLOW BRUSH 9	SLOW BRUSH 8
152 02.03.1	151 02.03.1	150 02.03.1	149 02.02.1	148 02.03.1	147 02.03.1	146 02.03.1	145 02.03.1
STOP BRUSH 11	STOP BRUSH 10	STOP BRUSH 9	STOP BRUSH 8	STOP BRUSH 7	STOP BRUSH 6	STOP BRUSH 5	STOP BRUSH 4
160 01.06.1	159 02.01.1	158 02.01.1	157 02.01.1	156 02.01.1	155 02.01.1	154	153 02.03.1
+U (+C) FORMS CHECK IND	EMITTER	HIGH SPEED STOP	HIGH SPEED START	LOW SPEED STOP	LOW SPEED START	SPARE #20	STOP BRUSH 12

NOTE X: NOTATIONS IN PARENTHESIS APPLY WHEN PRINTER IS USED WITH 1410 SYSTEM.

WIRING SIDE FIXED MOUNT

1214
SYSTEM DIAGRAM
00.02.2

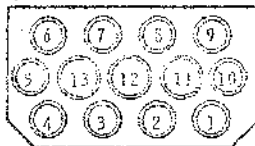
s. Zehga-Nachweis
NS 002 36 300 6-4-02

00.02.2

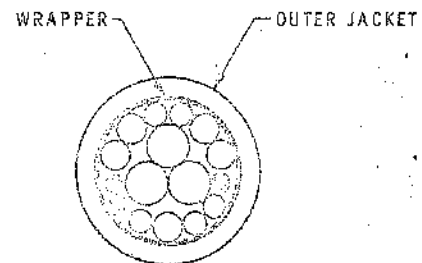
474 202

PP-1 PRINTER POWER

POWER PLUG PIN ASSIGNMENTS				
PIN NO	PRINTER VOLTAGE OR CONTROL	POWER CABLE		SYSTEM PAGE
		WIRE SIZE	TYPE	
1	AC OUTLET - 110 VOLTS	14	AC	01.05.1
2	AC OUTLET - COMMON	14	AC	01.05.1
3	BOND	14		01.05.1
4	-80 VOLTS	18	DC	01.05.1
5	SPARE	14		
6	SPARE	14		
7	AC OUTLET - 220 VOLTS	18	AC	01.05.1
8	220 VOLTS Ø 3 - CHAIN AND RIBBON MOTOR	18	AC	01.09.1
9	220 VOLTS Ø 3 - CHAIN AND RIBBON MOTOR	18	AC	01.09.1
10	SPARE	18		
11	220 VOLTS Ø 1 - CARRIAGE AND CHAIN MOTOR HAMMER UNIT BLOWER	10	AC	01.09.1
12	220 VOLTS Ø 2 - CARRIAGE MOTOR AND BLOWER HAMMER UNIT BLOWER	10	AC	01.09.1
13	220 VOLTS Ø 3 - CARRIAGE MOTOR AND BLOWER	10	AC	01.09.1



PIN LAYOUT - POWER PLUG WIRING SIDE



POWER CABLE CROSS SECTION VIEW

POWER PLUG ASSIGNMENTS

REV	BY	DATE	CHANGE NO	REV	DATE	CHANGE NO
1	EC	13.11.88	EC-1960001			
2	TA	15.12.88	TA-1960002			
3	TA	03.01	TA-1960003			
4	TA	18.04.91	TA-1960004			

TERMINAL BLOCKS				
TB NO.	NO. OF TERMS	W.D. LOC.	DESCRIPTION	PHYSICAL LOCATION
1	10	01.05.1	DC INPUT VOLTAGES	MACHINE PAN - REAR - NEAR FUSE PANEL
2	8	02.01.1	CARRIAGE MAGNETS	UNDER HYDRAULIC RESERVOIR COVER
3	4	01.07.1	FORMS SWITCHES & HAMMER UNIT THERMAL	ON LEFT SIDE FRAME - INSIDE AT TOP
4				
5	4	01.09.1	RIBBON MOTOR	RIGHT SIDE OF RIBBON DRIVE ASSEMBLY
6	4	01.08.1	RIBBON CLUTCH COILS	RIGHT SIDE OF RIBBON DRIVE ASSEMBLY
7	6	01.03.1	CHAIN MOTOR	LEFT END OF T CASTING - INSIDE
8	2	01.07.1	CHAIN MOTOR THERMAL	LEFT END OF T CASTING - INSIDE
9	4	01.09.1	HYDRAULIC UNIT BLOWER (50 CY. ONLY)	ON MANIFOLD ASSEMBLY LEFT SIDE OF MACHINE
10	5	01.07.1	UPPER FORMS SWITCHES	ON TRANSLATOR FRAME - BEHIND UPPER TRACTORS
11	5	01.07.1	LOWER FORMS SWITCHES	ON TRANSLATOR FRAME - BEHIND LOWER TRACTORS

TERMINAL BLOCK LOCATIONS

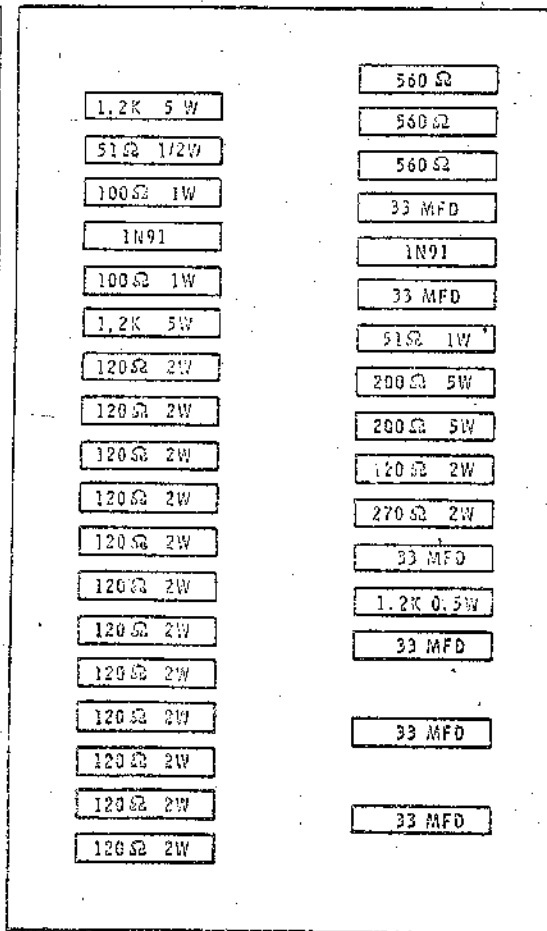
SYN	W.D. LOC.	CHANGE NO.	DATE	SYN	W.D. LOC.	CHANGE NO.	DATE	SYN	W.D. LOC.	CHANGE NO.	DATE
		10 012 3	30 300	0-2-62							

01.04.1
854 370

FUSE CHART

NO	FUNCTION	TYPE	220V		380V		SYSTEM PAGE
			RATING	PART-NO	RATING	PART-NO	
1	220V @ 1 / 380V @ 1	FNM	5A	107 665	2,5 A	107 665	01.09.1
2	220V @ 2 / 380V @ 2	FNM	5A	107 665	2,5 A	107 665	01.09.1
3	220V @ 3 / 380V @ 3	FNM	5A	107 665	2,5 A	107 665	01.09.1
4	CHAIN AND RIBBON MOTOR	FNM	1,25A	252 592	1A	252 591	01.09.1
5	CHAIN AND RIBBON MOTOR	FNM	1,25A	252 592	1A	252 591	01.09.1
6	SPARE						
7	SPARE						
8	HIGH SPEED START MAGNET	AGC	1,5A	111 256	1,5A	111 256	02.01.1
9	HIGH SPEED STOP MAGNET	AGC	1,5A	111 256	1,5A	111 256	02.01.1
10	LOW SPEED START MAGNET	AGC	1,5A	111 256	1,5A	111 256	02.01.1
11	LOW SPEED STOP MAGNET	AGC	1,5A	111 256	1,5A	111 256	02.01.1
12	SPARE						
13	SPARE						
14	CHAIN MOTOR THERMAL	FNA	0,1A	322 779	0,1A	322 779	01.07.1
15	HAMMER UNIT THERMAL	FNA	0,1A	322 779	0,1A	322 779	01.07.1
16	SPARE						
17	SPARE						

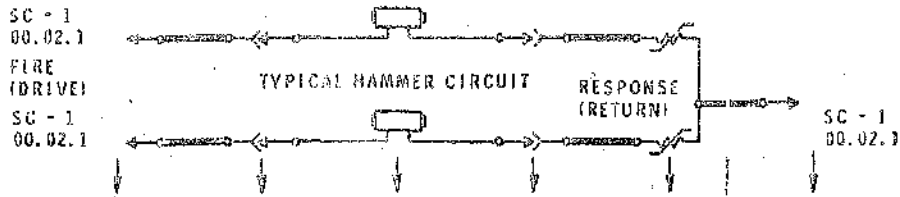
RP NO	SYSTEM PAGE
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2	01.07.1
3	01.08.1
4	01.08.1
5	01.09.1
6	01.07.1
7	02.03.1
8	02.03.1
9	02.03.1
10	02.03.1
11	02.03.1
12	02.03.1
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17	02.03.1
18	02.03.1



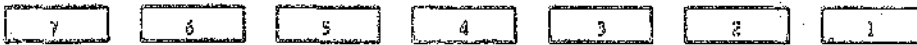
RP NO	SYSTEM PAGE
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20	01.06.1
21	01.06.1
22	01.08.1
23	01.06.1
24	01.08.1
25	01.08.1
26	02.02.1
27	02.02.1
28	02.01.1
29	01.06.1
30	02.01.1
31	01.06.1
32	02.01.1
33	
34	02.01.1
35	
36	02.01.1
37	

FUSE CHART AND RESISTOR PANEL ASSIGNMENTS

REV	DATE	CHANGE NO	BY	CHKD	DATE	CHANGE NO	BY	CHKD
1	11.9.66	20-143 343 B			12.9.66	20-143 343 C		
2	12.12.67	1A-36682			2.2.67	1A-36682		
3	5.10.66	ES-110 143 A			2.2.67	ES-110 143 A		
4	12.4.67	1A-36673-1			1.2.67	1A-36673-1		
5					20.11.67	24-26222		



HAMMER FIRE (DRIVE) SC #	HAMMER UNIT CONNECTORS	HAMMER COIL NO	HAMMER UNIT CONNECTORS	THERMISTOR NUMBER	HAMMER RESP (RETURN) SC #
1-1	OC-1-C	1	OC-1-F	1	1-2
1-3	OC-1-B	3	OC-1-E	3	
1-4	OC-1-A	5	OC-1-D	5	1-5
1-6	OC-1-K	7	OC-1-N	7	
1-7	OC-1-J	9	OC-1-M	9	1-8
1-9	OC-1-H	11	OC-1-L	11	
1-10	OC-1-S	13	OC-1-V	13	1-11
1-12	OC-1-R	15	OC-1-U	15	
1-13	OC-1-P	17	OC-1-T	17	1-14
1-15	OC-2-C	19	OC-2-F	19	
1-16	OC-2-B	21	OC-2-E	21	1-17
1-18	OC-2-A	23	OC-2-D	23	
1-19	OC-2-K	25	OC-2-N	25	1-20
1-21	OC-2-J	27	OC-2-M	27	
1-22	OC-2-H	29	OC-2-L	29	1-23
1-24	OC-2-S	31	OC-2-V	31	
1-25	OC-2-R	33	OC-2-U	33	1-26
1-27	OC-2-P	35	OC-2-T	35	
1-28	OC-2-X	37	OC-2-W	37	1-29
1-30	OC-3-C	39	OC-3-F	39	
1-31	OC-3-B	41	OC-3-E	41	1-32
1-33	OC-3-A	43	OC-3-D	43	
1-34	OC-3-K	45	OC-3-N	45	1-35
1-36	OC-3-J	47	OC-3-M	47	
1-37	OC-3-H	49	OC-3-L	49	1-38
1-39	OC-3-S	51	OC-3-V	51	
1-40	OC-3-R	53	OC-3-U	53	1-41
1-42	OC-3-P	55	OC-3-T	55	
1-43	OC-4-C	57	OC-4-F	57	1-44
1-45	OC-4-B	59	OC-4-E	59	
1-46	OC-4-A	61	OC-4-D	61	1-47
1-48	OC-4-K	63	OC-4-N	63	
1-49	OC-4-J	65	OC-4-M	65	1-50
1-51	OC-4-H	67	OC-4-L	67	



HAMMER UNIT CONNECTOR LAY OUT

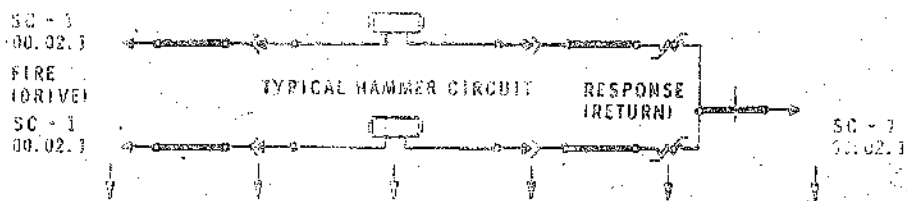
NOTE: OC = ODD CONNECTOR

NOTE

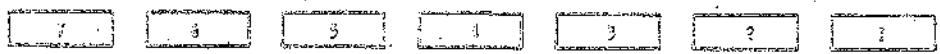
X NOTATIONS IN PARENTHESES APPLY WHEN PRINTER IS USED WITH 141B SYSTEM.

ODD HAMMERS 1 TO 67

REV	DATE	BY	CHKD	CHG	NO	REV	DATE	BY	CHKD	CHG	NO
1	13.11.83			109 002 M		1	13.11.83			109 002 M	
2	15.12.80			7A-30022		2	15.12.80			7A-30022	
3	8.3.81			15-10022		3	8.3.81			15-10022	
4	19.4.81			15-30022		4	19.4.81			15-30022	



HAMMER FIRE (DRIVE) SC #	HAMMER UNIT CONNECTOR	HAMMER COIL NO.	HAMMER UNIT CONNECTOR	THERMISTOR NUMBER	HAMMER RESP (RETURN) SC #
1-52	OC-4-B	59	OC-4-V	69	1-53
1-54	OC-4-R	71	OC-4-U	71	
1-55	OC-4-P	73	OC-4-T	73	1-56
1-57	OC-4-X	75	OC-4-W	75	
1-58	OC-5-C	77	OC-5-F	77	1-59
1-60	OC-5-B	79	OC-5-E	79	
1-61	OC-5-A	81	OC-5-D	81	1-62
1-63	OC-5-K	83	OC-5-N	83	
1-64	OC-5-J	85	OC-5-M	85	1-65
1-66	OC-5-H	87	OC-5-L	87	
1-67	OC-5-S	89	OC-5-V	89	1-68
1-69	OC-5-R	91	OC-5-U	91	
1-70	OC-5-P	93	OC-5-T	93	1-71
1-72	OC-6-C	95	OC-6-F	95	
1-73	OC-6-B	97	OC-6-E	97	1-74
1-75	OC-6-A	99	OC-6-D	99	
1-76	OC-6-K	101	OC-6-N	101	1-77
1-78	OC-6-J	103	OC-6-M	103	
1-79	OC-6-H	105	OC-6-L	105	1-80
1-81	OC-6-S	107	OC-6-V	107	
1-82	OC-6-R	109	OC-6-U	109	1-83
1-84	OC-6-P	111	OC-6-T	111	
1-85	OC-6-X	113	OC-6-Y	113	1-86
1-87	OC-7-C	115	OC-7-F	115	
1-88	OC-7-B	117	OC-7-E	117	1-89
1-90	OC-7-A	119	OC-7-D	119	
1-91	OC-7-K	121	OC-7-N	121	1-92
1-93	OC-7-J	123	OC-7-M	123	
1-94	OC-7-H	125	OC-7-L	125	1-95
1-96	OC-7-S	127	OC-7-V	127	
1-97	OC-7-R	129	OC-7-U	129	1-98
1-99	OC-7-P	131	OC-7-T	131	

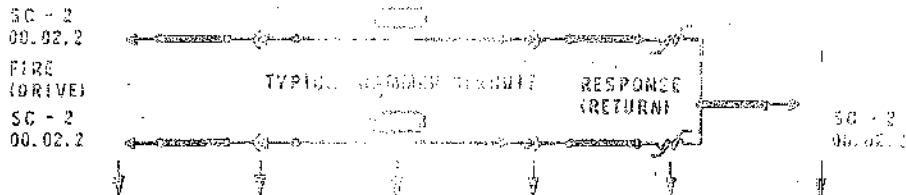


HAMMER UNIT CONNECTOR LAY OUT NOTE: OC = ODD CONNECTOR

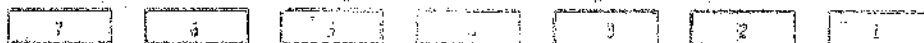
NOTE
X NOTATIONS IN PARENTHESES APPLY WHEN PRINTER IS USED WITH 1410 SYSTEM.

ODD HAMMERS 69 TO 131

REV	DATE	DESCRIPTION	BY	CHKD	APP'D	DATE	REVISION
1	11.11.59	1410P 100	EC	10021			
2	12.12.60	TA-3500E					
3	3.3.61	EC-110N288					
4	12.4.61	TA-35023A					



HAMMER FIRE (DRIVE) SC #	HAMMER UNIT CONNECTOR	HAMMER UNIT NO	HAMMER UNIT CONNECTOR	THERMISTOR NUMBER	HAMMER RESP (RETURN) SC #
2-1	EC-1-C	1	EC-1-F	2	
2-3	EC-1-B	3	EC-1-E	4	2-2
2-4	EC-1-A	5	EC-1-D	6	
2-6	EC-1-K	8	EC-1-M	8	2-5
2-7	EC-1-J	10	EC-1-M	10	
2-9	EC-1-H	12	EC-1-L	12	2-8
2-10	EC-1-S	14	EC-1-V	14	
2-12	EC-1-R	16	EC-1-U	16	2-13
2-13	EC-1-P	18	EC-1-T	18	
2-15	EC-2-C	20	EC-2-F	20	2-14
2-16	EC-2-B	22	EC-2-E	22	
2-18	EC-2-A	24	EC-2-D	24	2-17
2-19	EC-2-K	26	EC-2-N	26	
2-21	EC-2-J	28	EC-2-M	28	2-20
2-22	EC-2-H	30	EC-2-L	30	
2-24	EC-2-S	32	EC-2-V	32	2-23
2-25	EC-2-R	34	EC-2-U	34	
2-27	EC-2-P	36	EC-2-T	36	2-26
2-28	EC-2-X	38	EC-2-W	38	
2-30	EC-3-C	40	EC-3-F	40	2-29
2-31	EC-3-B	42	EC-3-E	42	
2-33	EC-3-A	44	EC-3-D	44	2-32
2-34	EC-3-K	46	EC-3-N	46	
2-36	EC-3-J	48	EC-3-M	48	2-35
2-37	EC-3-H	50	EC-3-L	50	
2-39	EC-3-S	52	EC-3-V	52	2-38
2-40	EC-3-R	54	EC-3-U	54	
2-42	EC-3-P	56	EC-3-T	56	2-41
2-43	EC-4-C	58	EC-4-F	58	
2-45	EC-4-B	60	EC-4-E	60	2-44
2-46	EC-4-A	62	EC-4-D	62	
2-48	EC-4-K	64	EC-4-N	64	2-47
2-49	EC-4-J	66	EC-4-M	66	
2-51	EC-4-H	68	EC-4-L	68	2-50



HAMMER UNIT CONNECTOR LAY OUT

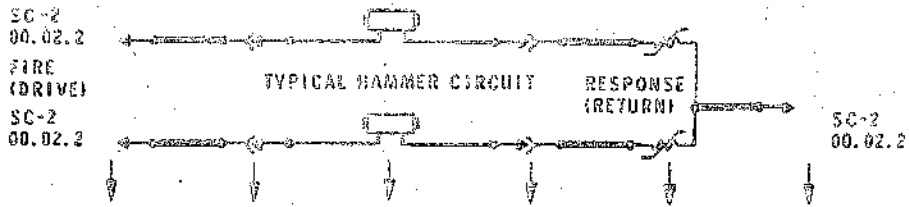
NOTE: EC-EVEN CONNECTOR EC-3-K & EC-3-W HAMMER UNIT THERMISTOR

NOTE: NOTATIONS IN PARENTHESES APPLY WHEN CONNECTED WITH 1410 SYSTEM

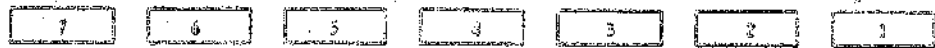
EVEN PARENTHESES TO 68

NO	DATE	BY	REVISION	DESCRIPTION
1	11.20	EC-104		SYSTEM DIAGRAM
2	12.22	EC-104		
3	1.01	EC-104		
4	12.31	EC-104		

474208



HAMMER FIRE (DRIVE) SC #	HAMMER UNIT CONNECTOR	HAMMER COIL NO	HAMMER UNIT CONNECTOR	THERMISTOR NUMBER	HAMMER RESP (RETURN) SC #
2-52	EC-4-S	70	EC-4-V	70	2-53
2-54	EC-4-R	72	EC-4-U	72	
2-55	EC-4-P	74	EC-4-T	74	2-56
2-57	EC-4-X	76	EC-4-W	76	
2-58	EC-5-C	78	EC-5-F	78	2-59
2-60	EC-5-B	80	EC-5-E	80	
2-61	EC-5-A	82	EC-5-D	82	2-62
2-63	EC-5-K	84	EC-5-N	84	
2-64	EC-5-J	86	EC-5-M	86	2-65
2-66	EC-5-H	88	EC-5-L	88	
2-67	EC-5-S	90	EC-5-V	90	2-68
2-69	EC-5-R	92	EC-5-U	92	
2-70	EC-5-P	94	EC-5-T	94	2-71
2-72	EC-6-C	96	EC-6-F	96	
2-73	EC-6-B	98	EC-6-E	98	2-74
2-75	EC-6-A	100	EC-6-D	100	
2-76	EC-6-K	102	EC-6-N	102	2-77
2-78	EC-6-J	104	EC-6-M	104	
2-79	EC-6-H	106	EC-6-L	106	2-80
2-81	EC-6-S	108	EC-6-V	108	
2-82	EC-6-R	110	EC-6-U	110	2-83
2-84	EC-6-P	112	EC-6-T	112	
2-85	EC-6-X	114	EC-6-W	114	2-86
2-87	EC-7-C	116	EC-7-F	116	
2-88	EC-7-B	118	EC-7-E	118	2-89
2-90	EC-7-A	120	EC-7-D	120	
2-91	EC-7-K	122	EC-7-N	122	2-92
2-93	EC-7-J	124	EC-7-M	124	
2-94	EC-7-H	126	EC-7-L	126	2-95
2-96	EC-7-S	128	EC-7-V	128	
2-97	EC-7-R	130	EC-7-U	130	2-98
2-99	EC-7-P	132	EC-7-T	132	



HAMMER UNIT CONNECTOR LAY OUT

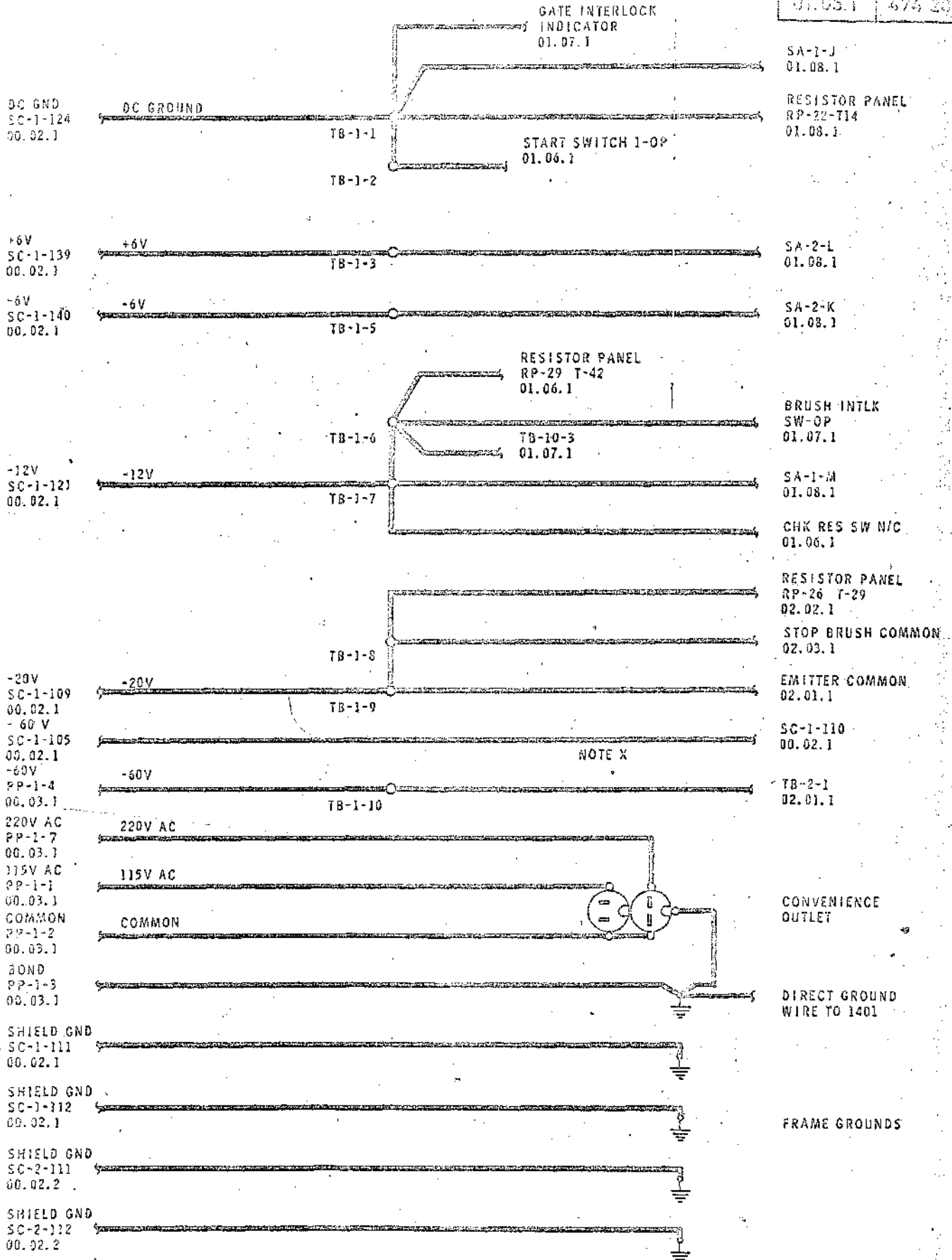
NOTE: EC-EVEN CONNECTOR

NOTE

NOTATIONS IN PARENTHESES APPLY WHEN PRINTER IS USED WITH 3000 SYSTEM.

EVEN HAMMERS 70 TO 102

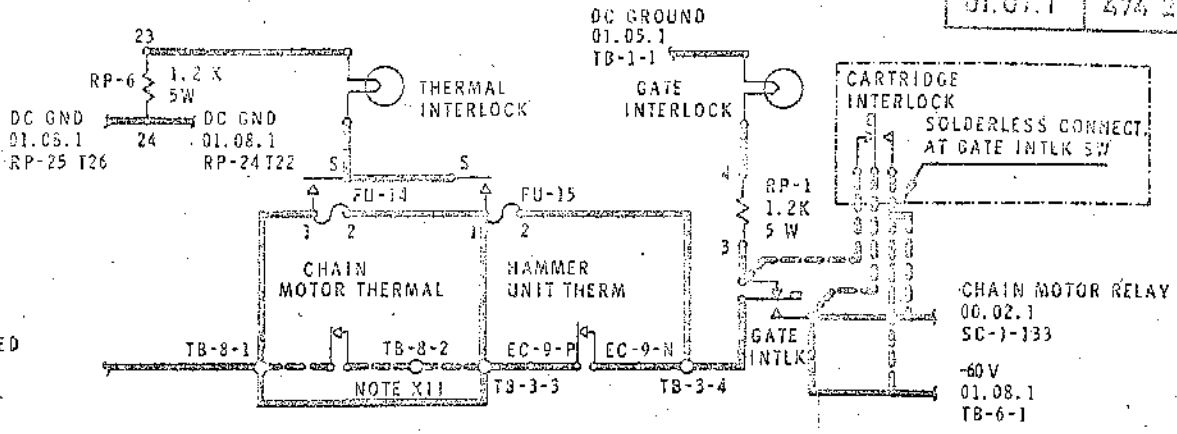
NO	DATE	DESCRIPTION	BY	CHKD	DATE	DESCRIPTION	BY	CHKD	DATE	DESCRIPTION	BY	CHKD
1	10.17.50	REVISION			10.17.50	REVISION			10.17.50	REVISION		
2	10.18.50	REVISION			10.18.50	REVISION			10.18.50	REVISION		
3	10.19.50	REVISION			10.19.50	REVISION			10.19.50	REVISION		
4	10.20.50	REVISION			10.20.50	REVISION			10.20.50	REVISION		



VOLTAGE DISTRIBUTION

NOTE X: JUMPER MOUNTED IN SC-1

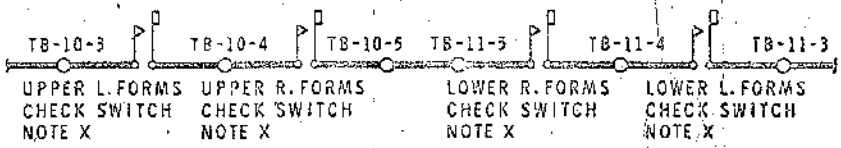
SYM	USER FILE	DATE	CHANGE NO	SYM	USER FILE	DATE	CHANGE NO	SYM	USER FILE	DATE	CHANGE NO
SYSTEM DIAGRAM		20.9.60	EC-109 873 B			18.8.61	EC-110 980 C			9.2.62	EC-112 812 D
		15.12.60	TA-36223			2.2.61	TA-36110			6.4.62	TA-36366
		5.10.60	EC-110 140 A			12.7.61	EC-111 305 J			26.9.62	TA-36404
		17.4.61	TA-36223 A			1.9.61	TA-36110 G				



-60V CONTROLLED
00.02.2
SC-2-126

CHAIN MOTOR RELAY
00.02.1
SC-7-133
-60V
01.08.1
TB-6-1

-12V
01.05.1
TB-1-6



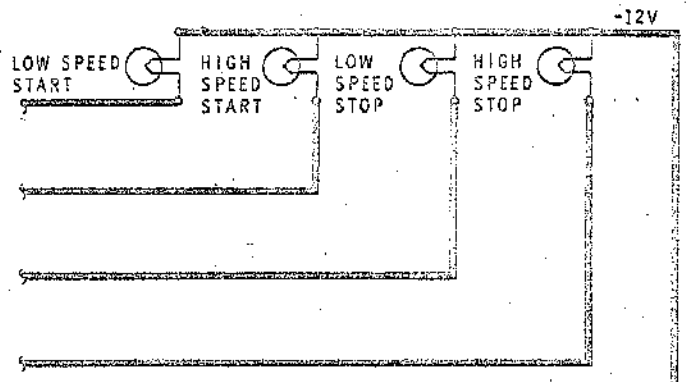
+12V FORMS CHECK
01.06.1
CARRIAGE STOP SW O/P

LOW SPEED START IND
00.02.1
SC-1-115

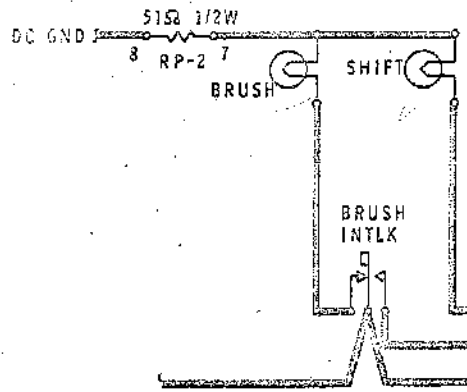
HIGH SPEED START IND
00.02.1
SC-1-116

LOW SPEED STOP IND
00.02.1
SC-1-118

HIGH SPEED STOP IND
00.02.1
SC-1-119



FORMS STOP SWITCH
(UPPER TRACTOR)
NOTE XI



-12V
TB-1-6
01.05.1

SC-1-134
END OF FORMS
00.02.1

END OF FORMS
SWITCH
(LOWER TRACTOR)
NOTE XI

SC-1-127
CARRIAGE INTLK
00.02.1

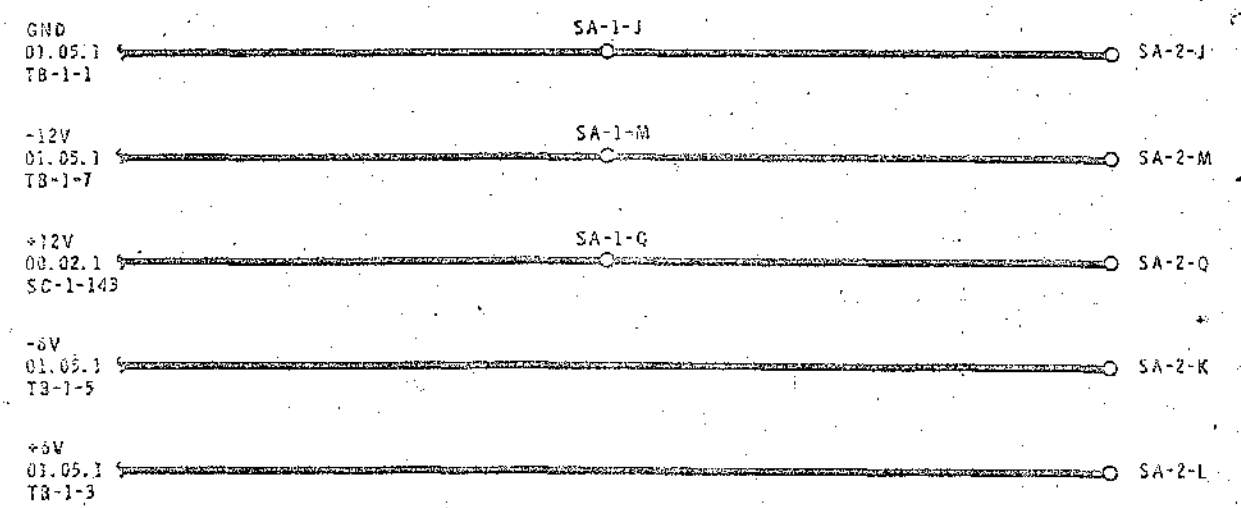
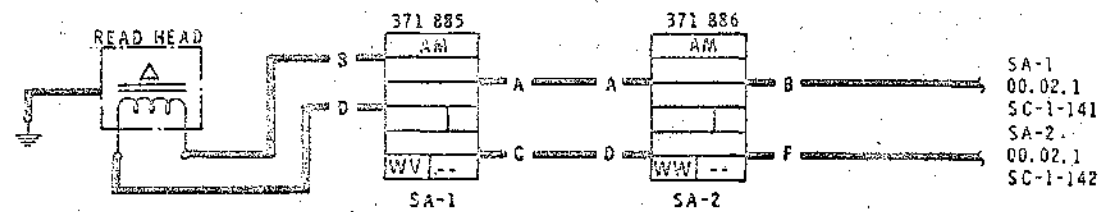
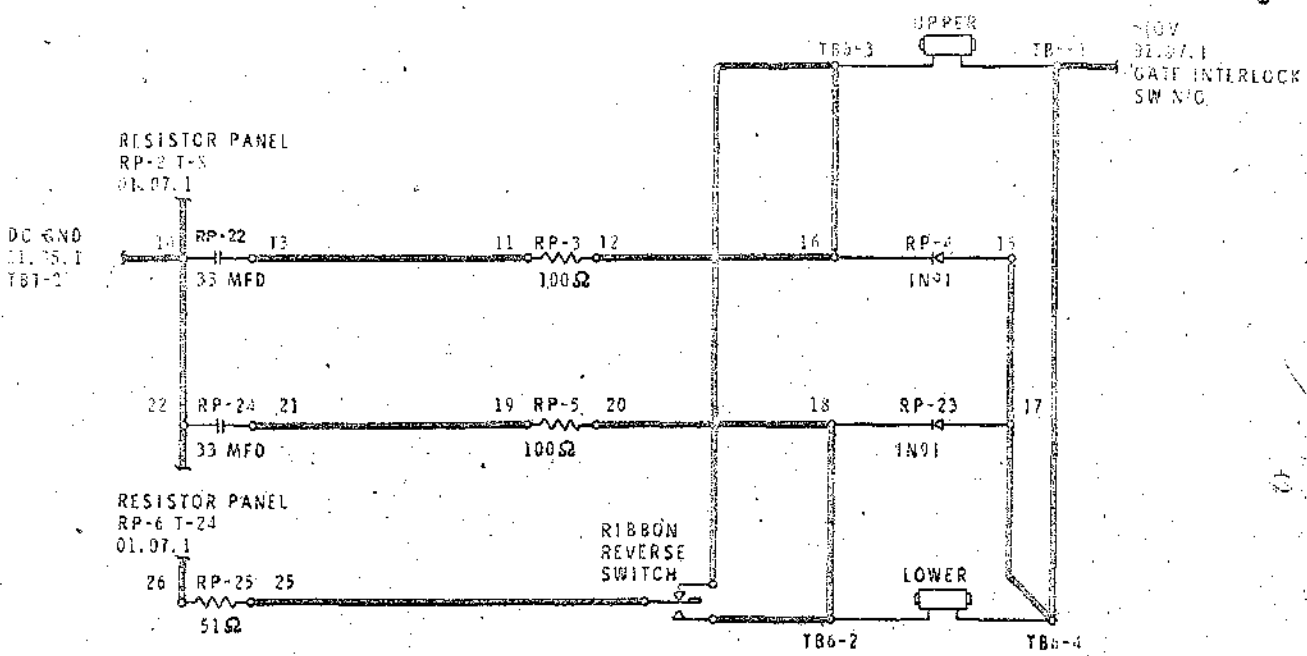
NOTE X: FORMS CHECK SWITCHES ARE ACTUATED FOR NORMAL OPERATION

NOTE XI: END OF FORM SWITCHES AND FORMS STOP SWITCH ARE ACTUATED WHEN THERE IS NO FORM OVER THE SWITCH LEVER.

NOTE XII: CHAIN MOTOR THERMAL CONTACT IS NOT INSTALLED, WIRE AS SHOWN.

INTERLOCKS AND INTERLOCK INDICATORS

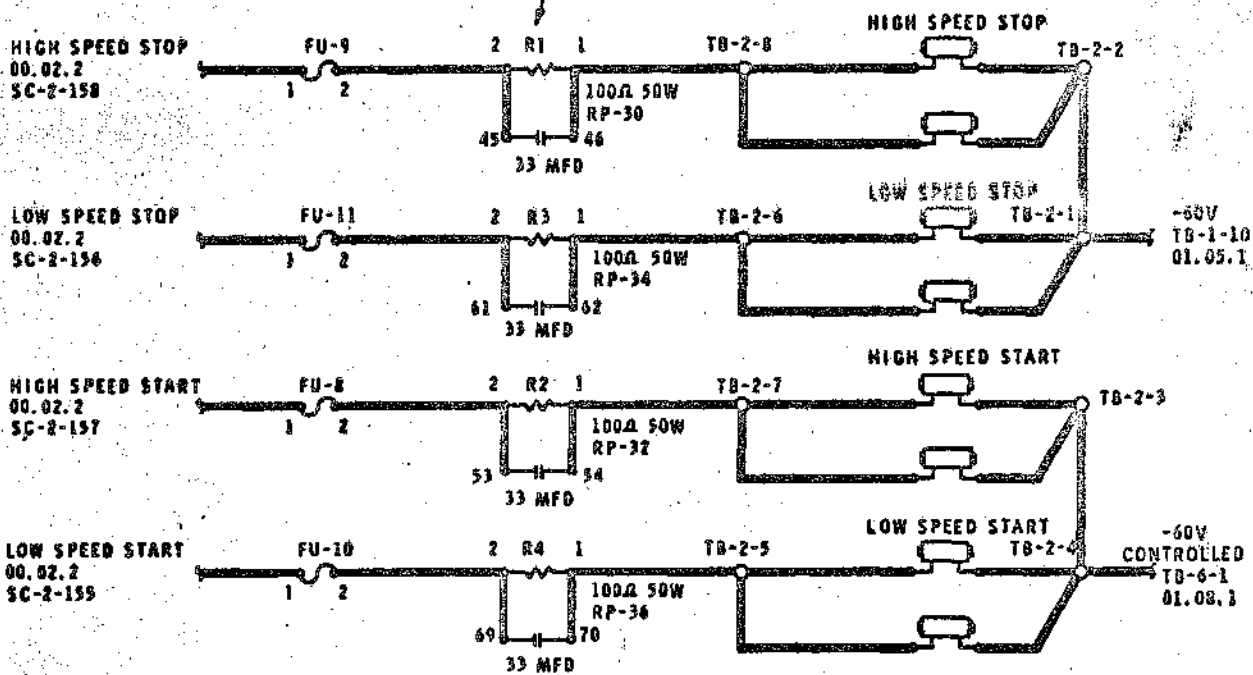
SYN	CHRG NO	DATE	CHARGE NO	SYN	CHRG NO	DATE	CHARGE NO
01.07.1	474 211	08.9.60	EC-108 8733	01.05.1	474 211	08.9.60	EC-108 8733
01.07.1	474 211	15.12.60	TA-360223	01.05.1	474 211	12.7.61	TA-28190
01.07.1	474 211	8.9.61	EC-110 3753	01.05.1	474 211	12.7.61	EC-110 3753
01.07.1	474 211	18.4.61	TA-36023A	01.05.1	474 211	1.3.61	TA-28118C



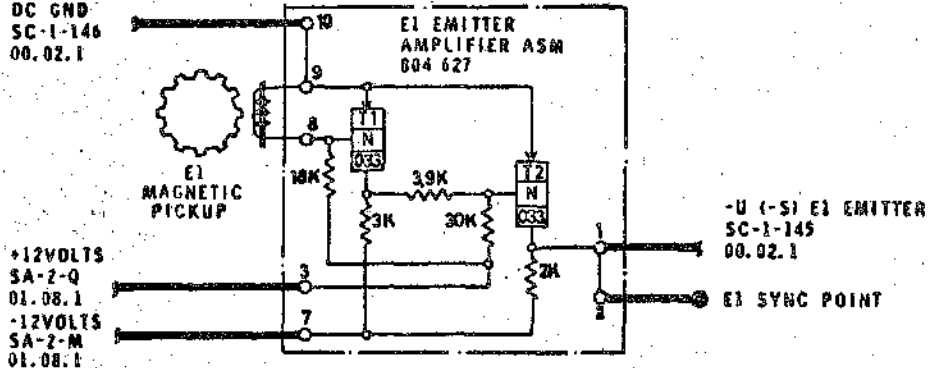
RIBBON CONTROL AND SENSE AMPLIFIER

REV	SYN	DATE	CHANGED BY	SYN	DATE	CHANGED BY	SYN	DATE	CHANGED BY
1		11.18.66	SC-111 245 B		11.08.67	SC-111 245 C			
2		11.12.66	TA-111 245 B		12.01.67	TA-111 245 C			
3		11.04.67	SC-111 245 A						
4		11.04.67	TA-111 245 A						

FOUR CARRIAGE RESISTORS
LOCATED ON HEAT SINK AT REAR
OF HYDRAULIC UNIT. RESISTOR
AT TOP IS NUMBER ONE.



E1 EMIT
DC GND
SC-1-146
00.02.1



NOTE
X NOTATIONS IN PARENTHESIS APPLY
WHEN PRINTER IS USED WITH 1410
SYSTEM.

CARRIAGE CONTROL AND EMITTER

18 M
SYSTEM DIAGRAM
02.01.1

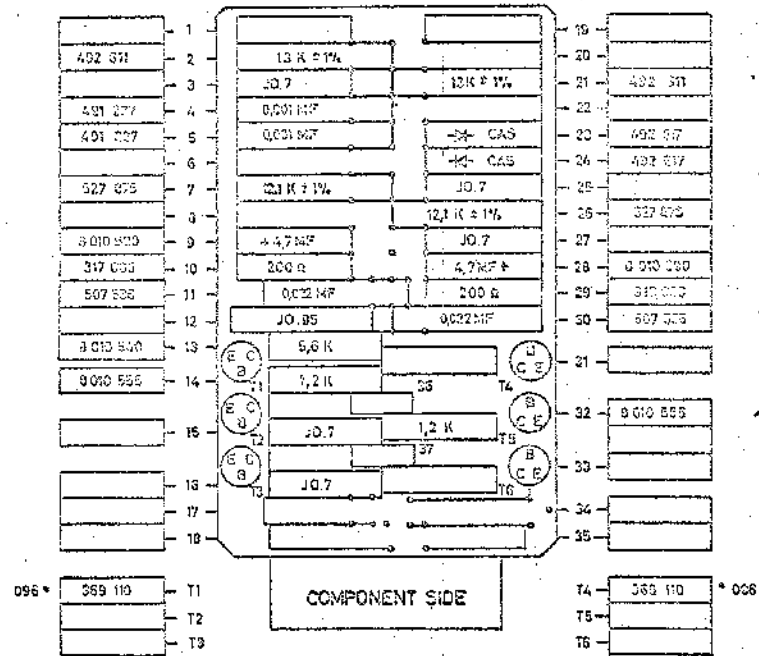
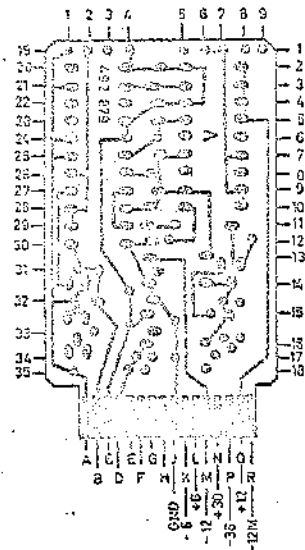
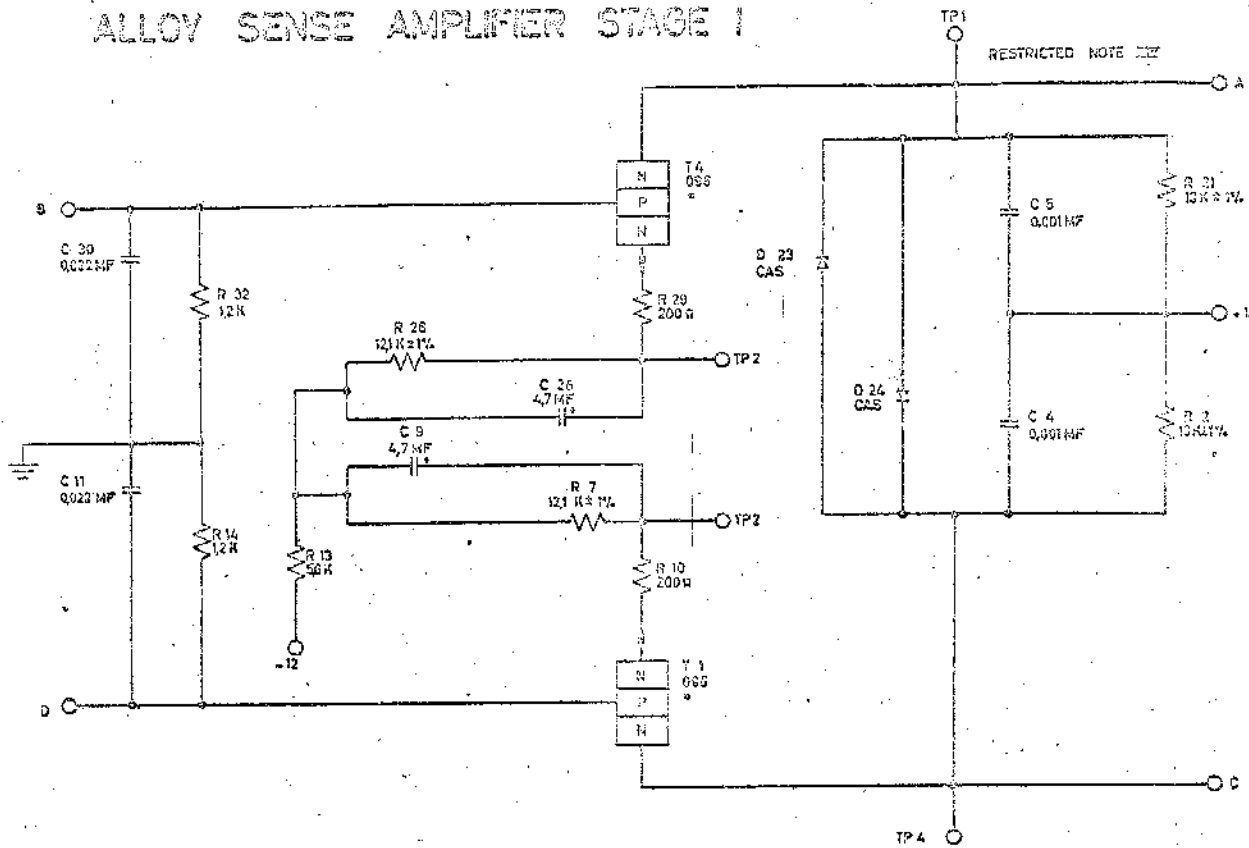
1400
7
31.19.89

SYM	DESCR.	DATE	CHANGE NO	BY	DATE	CHANGE NO	SYM	DESCR.	DATE	CHANGE NO
		12.7.80	EC-109 248 B		20.11.82	EC-116 367				
		15.12.80	TA-3602A		1.8.83	TA-36 831				
		9.2.82	EC-112 212 B		10.1.83	EC-114 845 F				
		9.4.82	TA-36 380		10.8.83	TA 3650A D				

474 214

ALLOY SENSE AMPLIFIER STAGE I

RESTRICTED NOTE III



NOTES.

- I- ASSEMBLE TO ENGINEERING 2084 692 - 2 093 495 AND 2 033 496.
- II- "J" IN BLOCK DENOTES BARE WIRE JUMPER, 401 296.
- III- ALL RESISTORS ARE 1/2 WATT AND ± 5% UNLESS OTHERWISE NOTED.
- IV- CIRCUIT MUST CONFORM TO ENGINEERING SPEC. 301 571
- V- TRANSISTORS TO BE ASSEMBLED IN MATCHED PAIRS FROM ANY OF THE FOLLOWING BETA RANGES.

RANGE PAIR A 10-25
 RANGE PAIR B 26-33
 RANGE PAIR C 34-40
 RANGE PAIR D 50-100

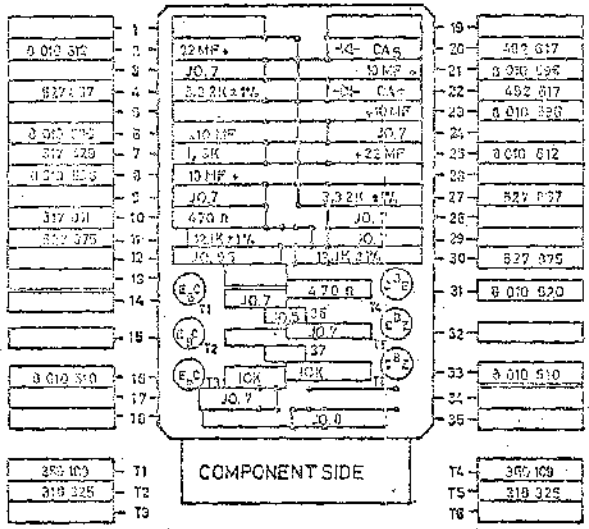
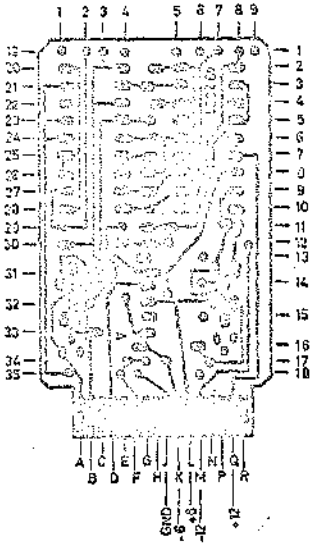
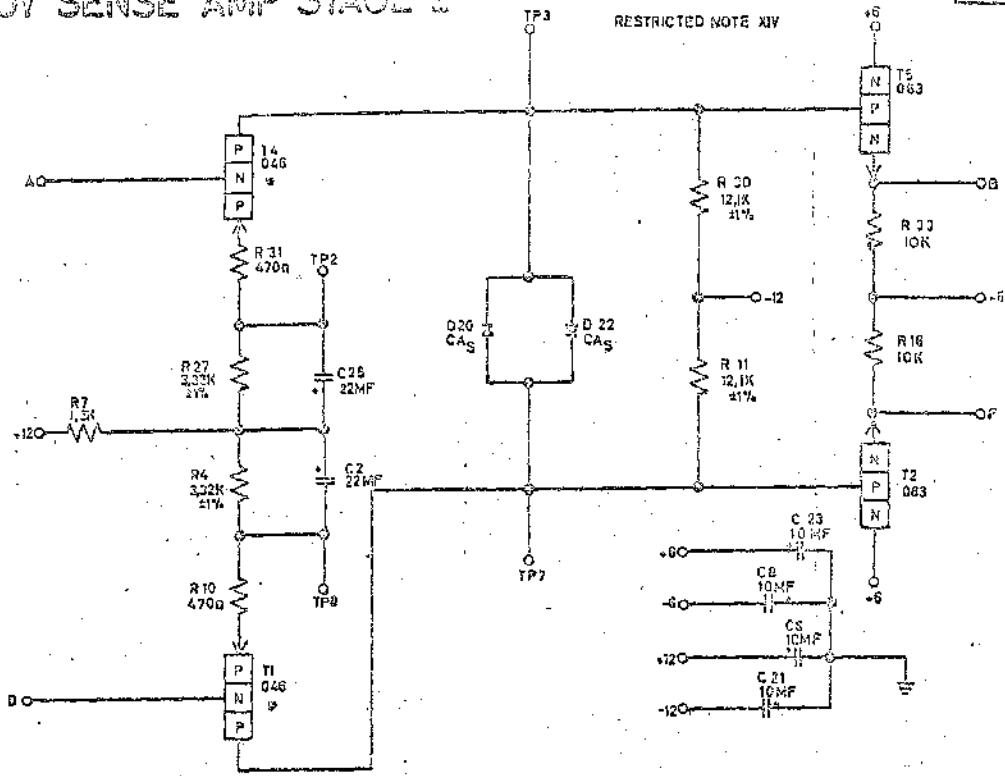
TECH LAB EVALUATION INCOMPLETE PART SUBJECT TO WITHDRAWAL
 ADDITIONAL USAGE TO BE AVOIDED.

WIRING SIDE
 USE WITH SPECIFICATION 8 010 600.

IBM	FORM	REV	DATE	BY	CHKD	APPROV	DATE	BY	CHKD	APPROV	DATE
IBM	FORM 1	1	10-11-62	JY	48 778 TA-3643/ 410 62						
CARD AREA TSTR ALLOY SENSE AMPLIFIER STAGE I 371 885											

ALLOY SENSE AMP STAGE 2

371 000
W/T



NOTE: ASSEMBLE TO ENG. SPEC. 2 064 692, 2 063 495 AND 2 093 496.
 * "J" IN BLOCK DENOTES BARE WIRE JUMPER 491 336.
 ** ALL RESISTORS ARE 1/2 WATT AND ± 5% UNLESS OTHERWISE NOTED.
 *** CIRCUIT MUST CONFORM TO ENG. SPEC. 891671.
 * TRANSISTORS TO BE ASSEMBLED IN MATCHED PAIRS FROM ANY OF THE FOLLOWING BETA RANGES:
 RANGE PAIR A 30-35 RANGE PAIR C 43-53
 RANGE PAIR B 36-42 RANGE PAIR D 54-100
 TECH. LAB EVALUATION INCOMPLETE PART SUBJECT TO WITHDRAWAL. ADDITIONAL USAGE TO BE AVOIDED.

WIRING SIDE

IBM
 CARD ASM. TEST-ALLOY
 SENSE AMP STAGE 2
 SMS
 25982

CHANGE NO. 20-111 074
 JT-01 038 TA-36497 4/10/62

371 000

NAME _____

F8M - PREVENT C HAGE START OVERRIDE

REFERENCE		CR. Col.
Drawing	Fig.	

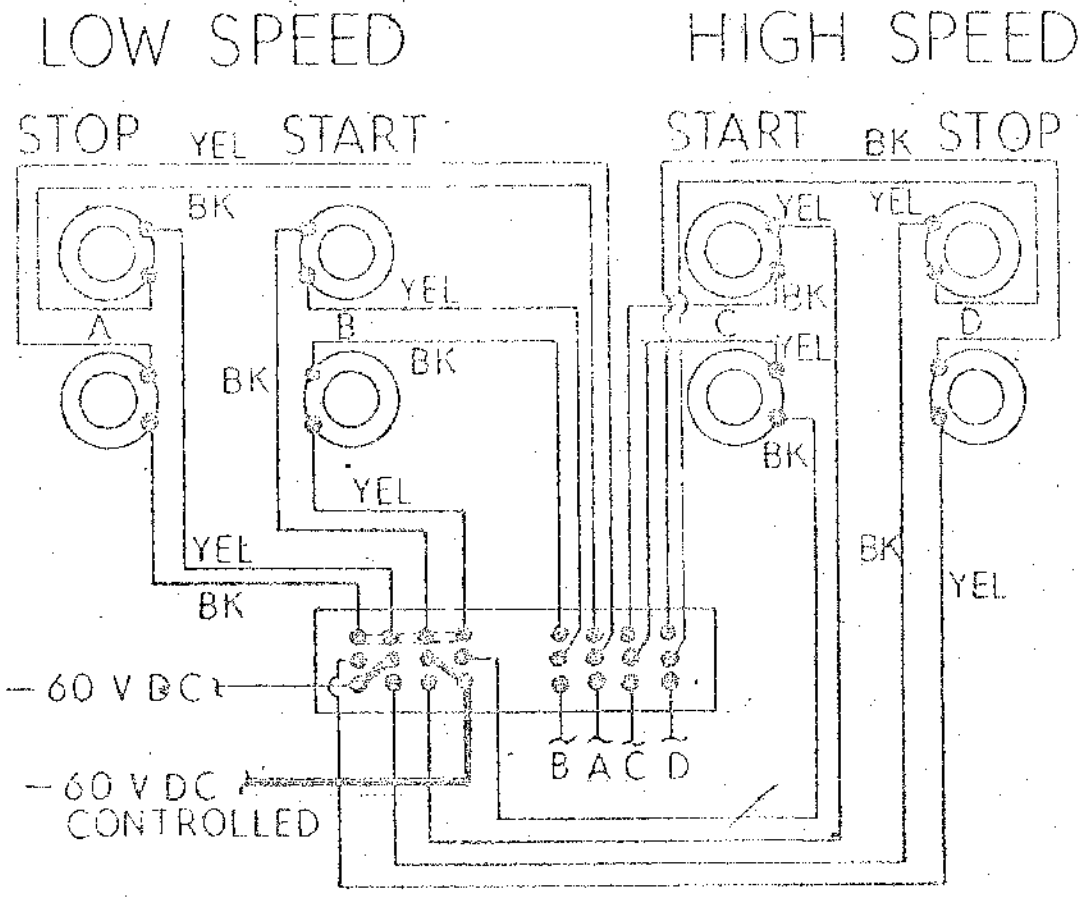
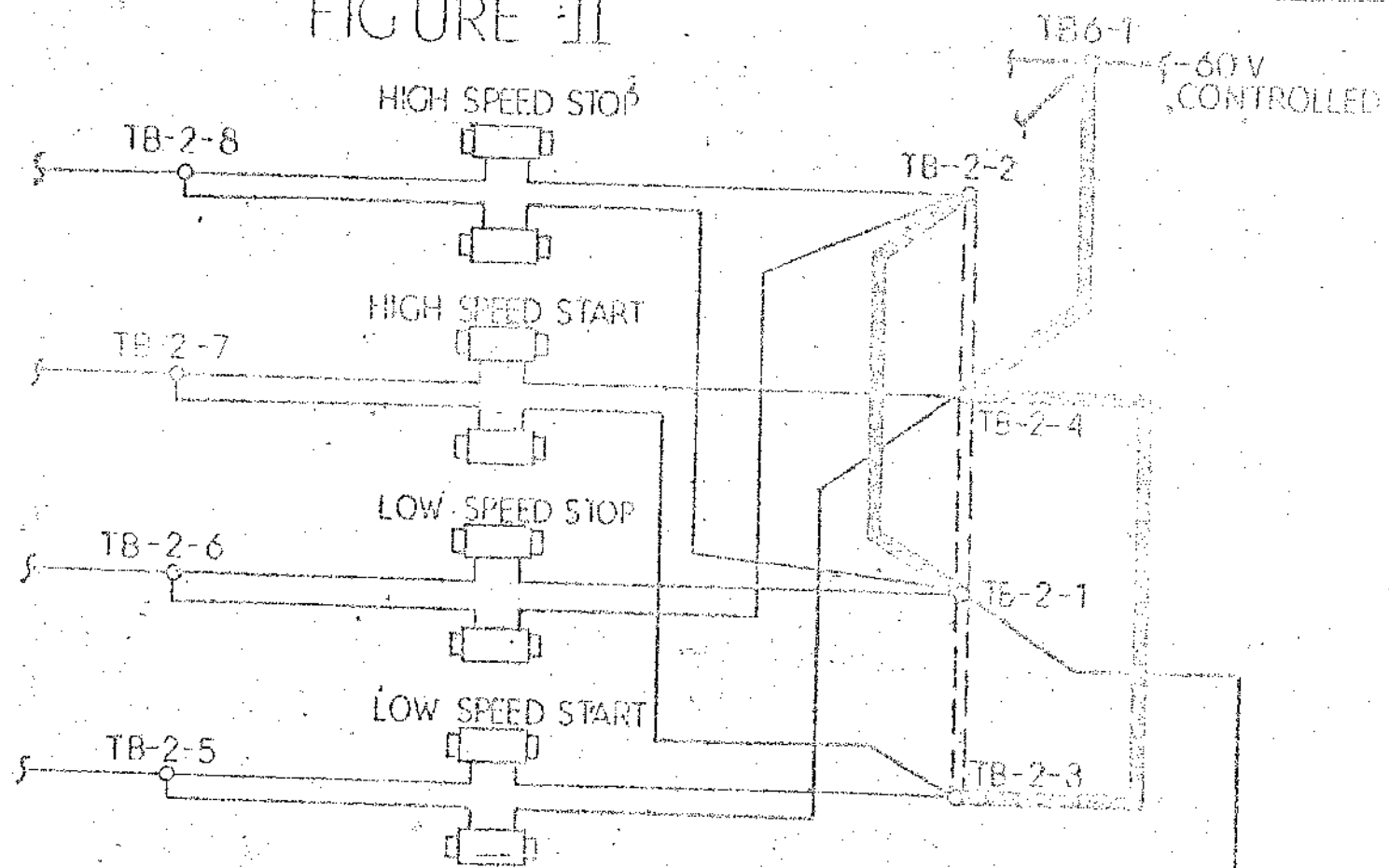


FIGURE 1

FBM - PREVENT CARRIAGE START OVERRIDE

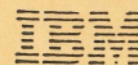
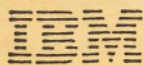
FIGURE II



-60V
 NOTE: ACTUAL COIL CONFIGURATION AND CONNECTIONS ARE SHOWN FOR CLARIFICATION

——— STANDARD WIRING
 - - - - - REMOVED WIRING
 ADDED WIRING

DATE	6-13-62	18.9.62							DATE TYPED
NO.	11442	TA-36457A							



MATERIAL SAFETY DATA SHEET *
(Equivalent To OSHA Form 20)

IBM CORPORATION
OLD ORCHARD ROAD
ARMONK, NEW YORK 10504
PHONE: 1-800-IBM-4333

IBM Part Number(P/N): 0450608 **1

SECTION 1 - MATERIAL IDENTIFICATION

NAME: IBM,CLEANER,CLEANING FLUID

SECTION 2 - INGREDIENTS

COMPONENT	CAS NUMBER	% BY		TLV	
		WT	VOL	PPM	MG/M3
TRICHLOROETHANE,1,1,1-	71-55-6	95	350	1900	
DIETHYLENE ETHER	- -				
GLYCOL METHYLENE ETHER	646-06-0				
SEC-BUTYL ALCOHOL	78-92-2		100	305	
NITROMETHANE	75-52-5		100	250	
1,2-BUTYLENE OXIDE	106-88-7				

SECTION 3 - PHYSICAL DATA

Appearance & Odor: COLORLESS LIQUID; CHLOROFORM ODOR.		
Vpr.Press.(°C,mmHg): 20, 100	Melt Pt.(°C): -38	Pressurized: NO
Vpr.Density (Air=1): 4.55	Boil Pt.(°C): 74	pH: **2
Water Soluble (%): 0.07	Evap. Rate: 0.35	
Sp. Gravity (H2O=1): 1.333	% Volatile: 100	

SECTION 4 - FIRE & EXPLOSION DATA

Flash Pt.(°C): **2	Autoignition Temp.(°C): 410	Flammability Limits(%)
(Method:)**2		LEL: 7 UEL: 15
Extinguishing Media: WATER FOG, DRY CHEMICAL OR CARBON DIOXIDE.		
Special Fire Fighting Procedures: USE NIOSH APPROVED SELF-CONTAINED RESPIRATORY EQUIPMENT.		
Unusual Fire and Explosion Hazards: OPEN FLAMES AND WELDING ARCS CAN CAUSE THERMAL DEGRADATION WITH THE EVOLUTION OF HYDROGEN CHLORIDE AND VERY SMALL AMOUNTS OF PHOSGENE AND CHLORINE.		

SECTION 5 - HEALTH HAZARD DATA

Effects of Overexposure:	Sensitizer: NO
Acute: VERTIGO, INCOORDINATION, COMA, LETHARGY, APNEA (IN ORDER OF APPEARANCE AS GOVERNED BY DOSE)., CNS DEPRESSION. EYES: MILD CONJUNCTIVAL IRRITATION. SKIN: NO IRRITATION,BUT WILL REMOVE SKIN OILS.	
Chronic: HEADACHE, VERTIGO, INCOORDINATION, NAUSEA, CNS DEPRESSANT. SKIN: DEFATTING DERMATITIS. PROLONGED EXPOSURE MAY CAUSE SLIGHT BURN. A COMPONENT OF THE STABILIZER, DIETHYLENE ETHER, HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS.	
Emergency and First Aid Procedures: INHALATION: REMOVE FROM EXPOSURE; CARDIOPULOMONARY SUPPORT; OXYGEN. SKIN & EYES: FLUSH COPIOUSLY WITH WATER. INGESTION: SEEK MEDICAL ATTENTION. INDUCE VOMITING ONLY IN THE PRESENCE OF A PHYSICIAN.	

SECTION 6 - REACTIVITY DATA

Stability: STABLE

Conditions To Avoid: AVOID OPEN FLAMES OR WELDING ARCS.

Material Incompatibility for Purposes of Transport, Handling, & Storage:
INCOMPATIBLE WITH WATER (SLOW HYDROLYSIS PRODUCES CORROSIVE ACID), CAUSTIC MATERIALS AND FINELY DIVIDED MAGNESIUM, ALUMINUM, BARIUM, LITHIUM.

Hazardous Decomposition Temp.(°C): 500 ,Products: OPEN FLAMES, WELDING ARCS AND BURNING CIGARETTES CAN CAUSE THERMAL DECOMPOSITION WITH THE EVOLUTION OF HYDROGEN CHLORIDE, CHLORINE AND PHOSGENE.

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case a Material is Released or Spilled: USE PROPER PROTECTIVE EQUIPMENT. SMALL LEAKS: MOP,WIPE OR SOAK UP IMMEDIATELY. REMOVE TO OUT OF DOORS. LARGE SPILLS: EVACUATE AREA, CONTAIN LIQUID;TRANSFER TO CLOSED METAL CONTAINERS. KEEP OUT OF WATER SUPPLY.

Waste Disposal (Insure Conformity with Government Disposal Regulations): SEND SOLVENT TO A CERTIFIED WASTE VENDOR. RECYCLE OR INCINERATE WITH ANOTHER COMBUSTIBLE FUEL, TEMP > 815°C (1500°F) WHERE PERMITTED. RCRA HAZARDOUS WASTE- YES WASTE ID# U226.

SECTION 8 - PERSONAL PROTECTION INFORMATION

Normal Use Conditions:

Eye protection: SAFETY GLASSES. IF SPLASH EXPOSURE EXISTS, USE CHEMICAL SAFETY GOGGLES OR FACE SHIELD.

Protective gloves: NITRILE OR NEOPRENE RUBBER POLYETHYLENE POLYVINYL ALCOHOL

Ventilation: YES, > 1/4 TLV LOCAL EXHAUST

For Excessive Exposure:

Respiratory Protection: WEAR NIOSH APPROVED SELF CONTAINED BREATHING EQUIPMENT OR NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.

Other: EYE WASH STATIONS AND SAFETY SHOWERS SHOULD BE READILY AVAILABLE.

SECTION 9 - HANDLING AND STORAGE PRECAUTIONS

Precautions to be Taken in Handling and Storing: AVOID BREATHING VAPORS. STORE IN A COOL, DRY PLACE. DO NOT STORE WITH FLAMMABLES,OXIDIZERS, OR CAUSTICS. CHEMICALS IN STABILIZER PACKAGE MAYBE ABSORBED. AVOID SKIN CONTACT.

Special Precautions: AVOID OPEN FLAMES, WELDING ARCS OR OTHER HIGHTEMPERATURE SOURCES WHICH INDUCE THERMAL DECOMPOSITION. DO NOT TAKE INTERNALLY.

** NOTES:

- (1) Additional IBM Part Number(s): 1280017
- (2) NO APPLICABLE INFORMATION WAS FOUND

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