

1-8-77.

K. FLETCHER

DC

Teletype

Mod. 131120

Ser.# 9832

DURA BUSINESS MACHINES

DIVISION OF DURA CORPORATION

MARSHFIELD HEIGHTS, MICHIGAN U. S. A.

MACH-10 SELECTRIC READER & PUNCH 5 CHANNEL

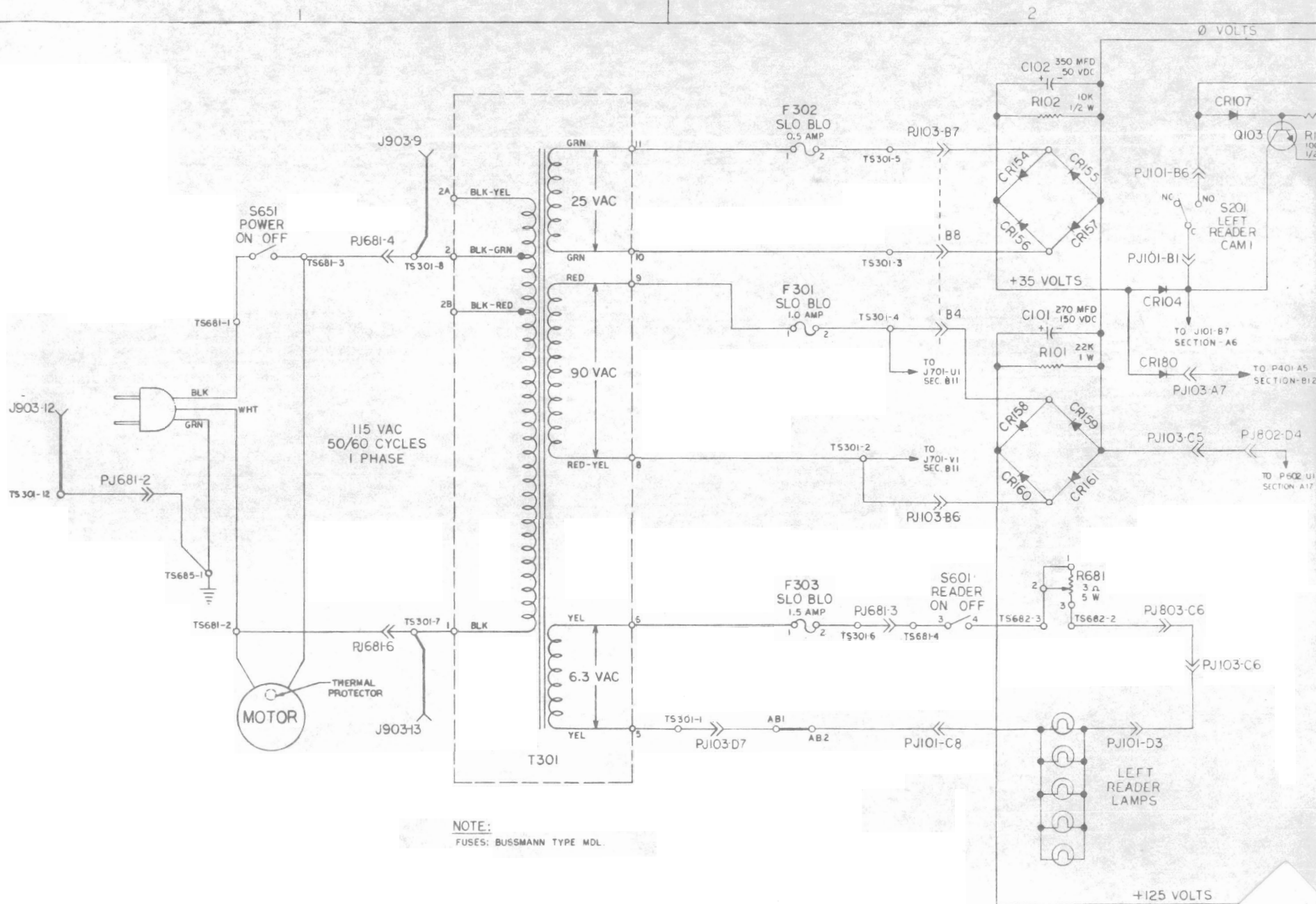
E	SHT 1 UPDATE INDEX. SHT 4 R201 WAS 100.0. SHT 6 ADDED CR181, CR182, CR183, R186, R187, C183. SHT 7 ADDED R760 & CR761, DELETED CR732, CR740 WAS CR790, CHG. CKT. SHT 8 - CHANGED CR730 CKT. SHT 11 - UPDATE P.C. PICTURES. SHT 12 - CODE CHART CHANGED, NOTES ADDED.	1716	12-28-65	SHW
D	PRODUCT RELEASE	1549	7-27-65	SHW
C	SHT 4 KIII CONT. 9 & 10 ADDED SHT 6 PJ107-C5 & PJ803-C5 ADDED CR128 & R128 ADDED SHT 12 KI234 WAS KI34.	-	-	-
B	SHTS. 10, 11 & 12 ADDED SHTS 4 THRU 9 REDRAWN	-	-	-
A	RELEASE	-	-	-
REV. LETTER	REVISIONS	E.C.	DRAWN	CHECKED DATE

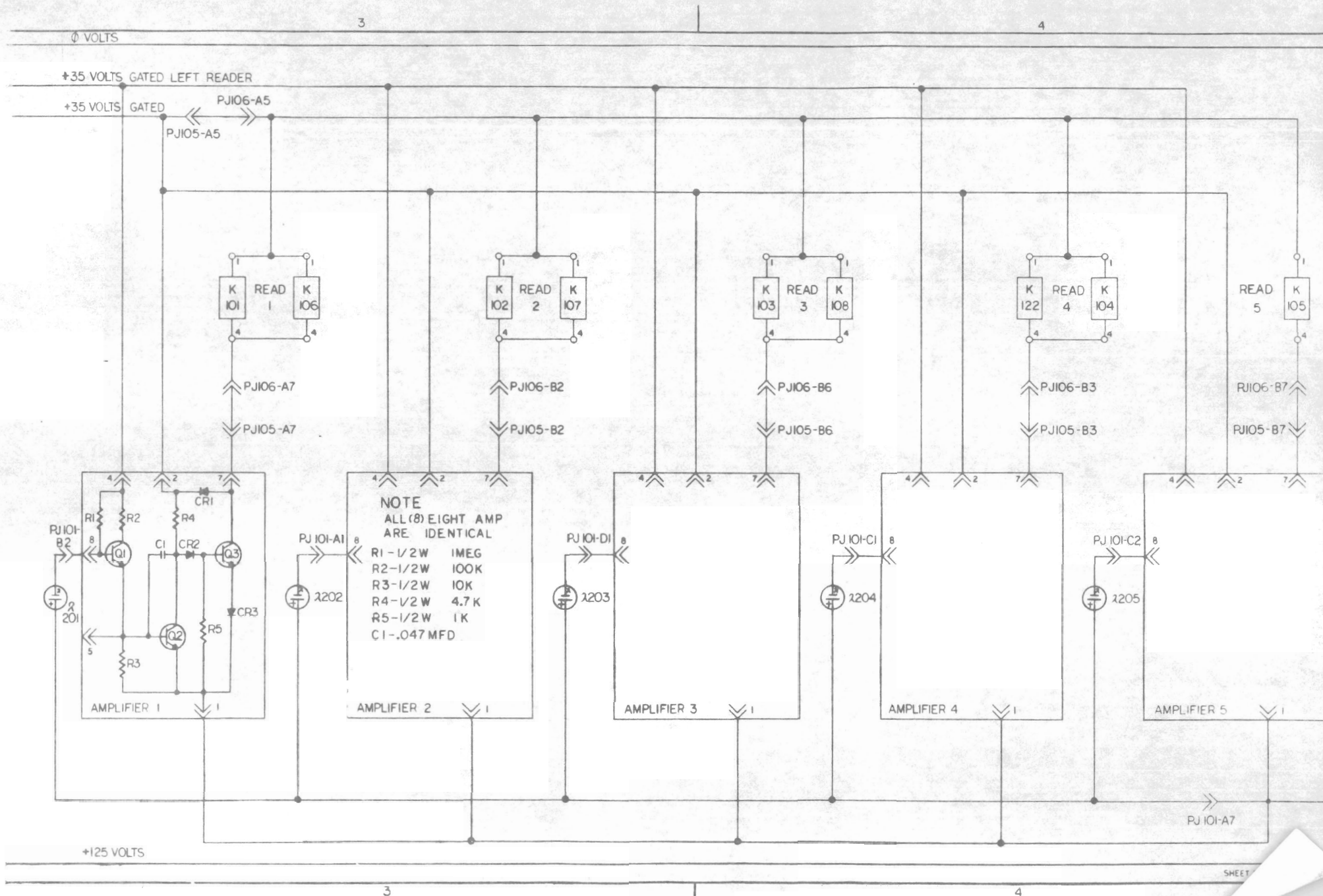
12	8004158	D	1716	12-7-65
11	8004157	C	1716	12-7-65
10	8004156	B	1549	7-27-65
9	8004155	C	1549	7-27-65
8	8004154	D	1716	12-7-65
7	8004153	D	1716	12-7-65
6	8004152	D	1716	12-7-65
5	8004151	B	1549	7-27-65
4	8004150	D	1716	12-7-65
3	8004149	B	1549	7-27-65
2	8004148	B	1549	7-27-65
1	8004147	E	1716	12-7-65

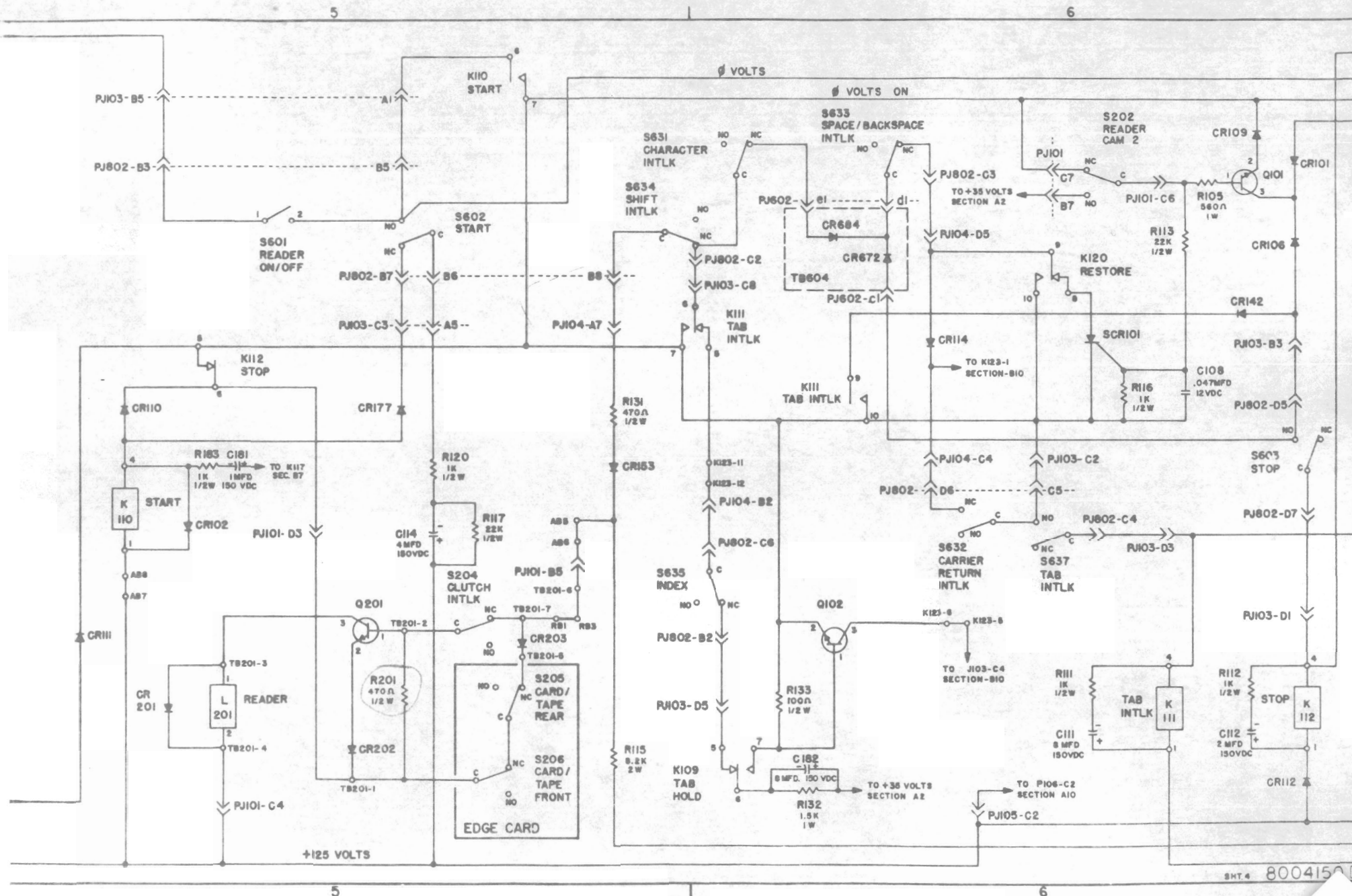
 CK SHW 6-17-65
 ENG JFW 2-13-69

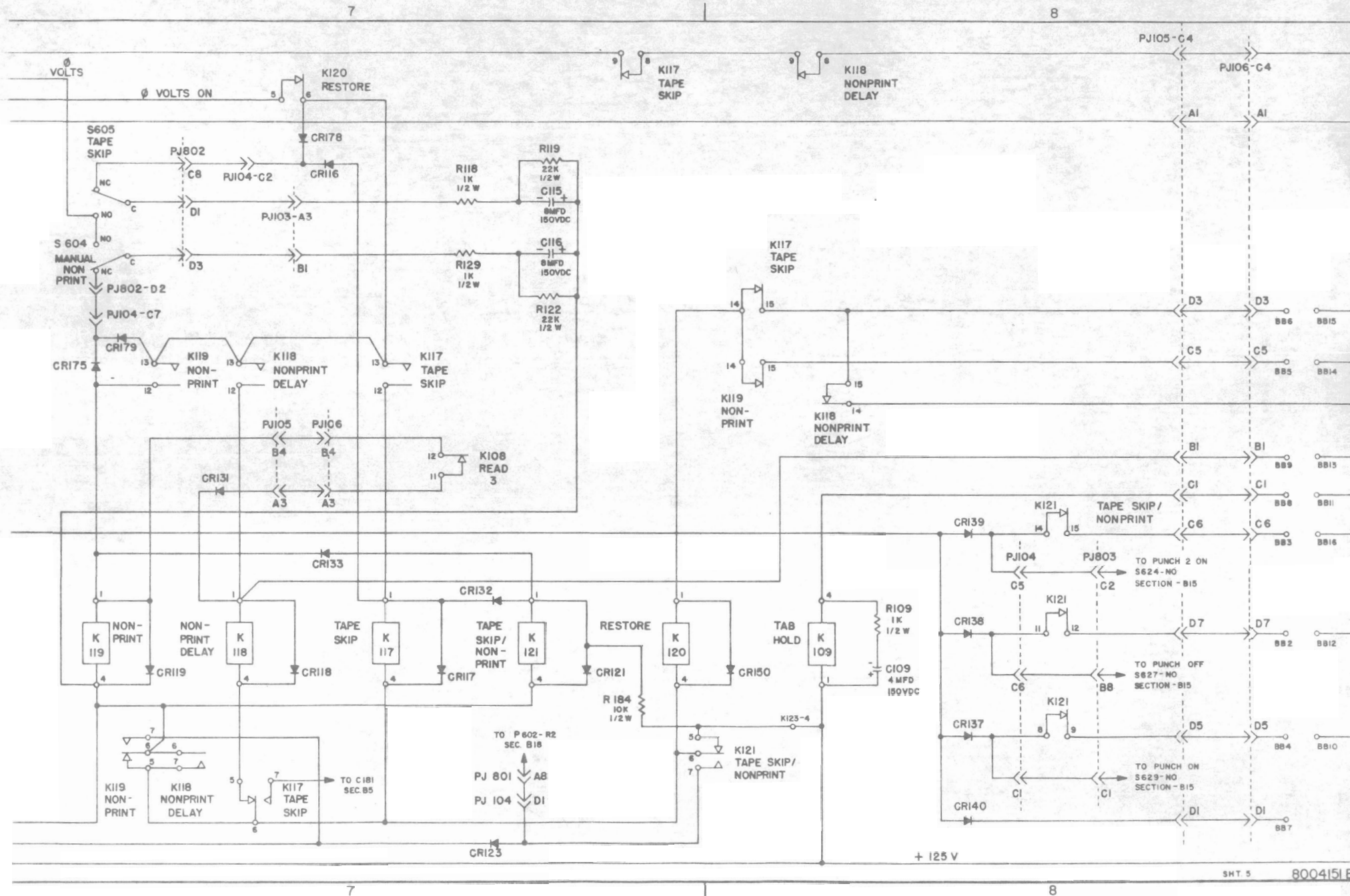
SHT.	PART NO.	REV.	E.C.	DATE	DRAWING NUMBER	REV.
					8004147	E

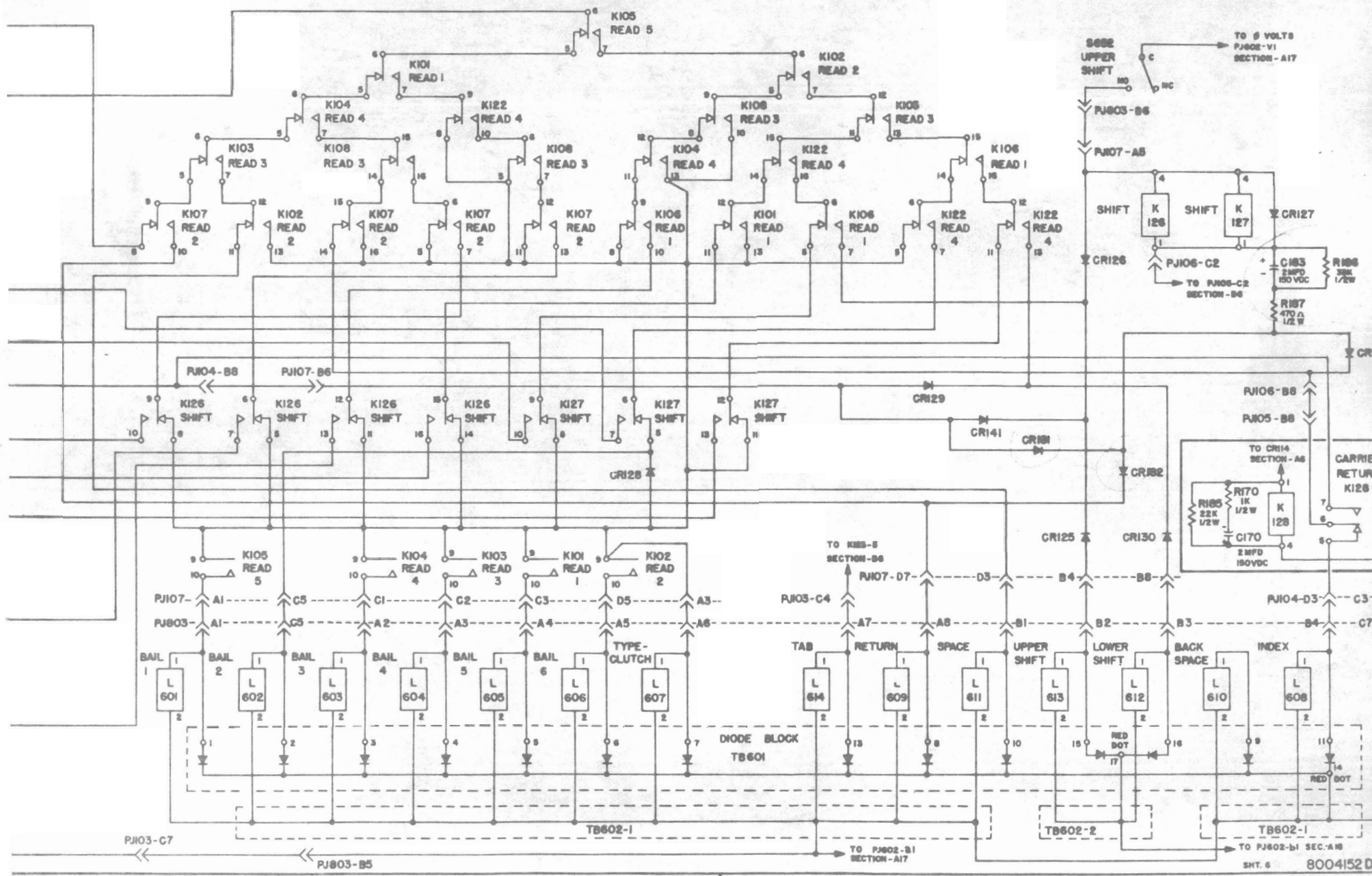
SCHEMATIC INDEX SHEET 1 OF 12

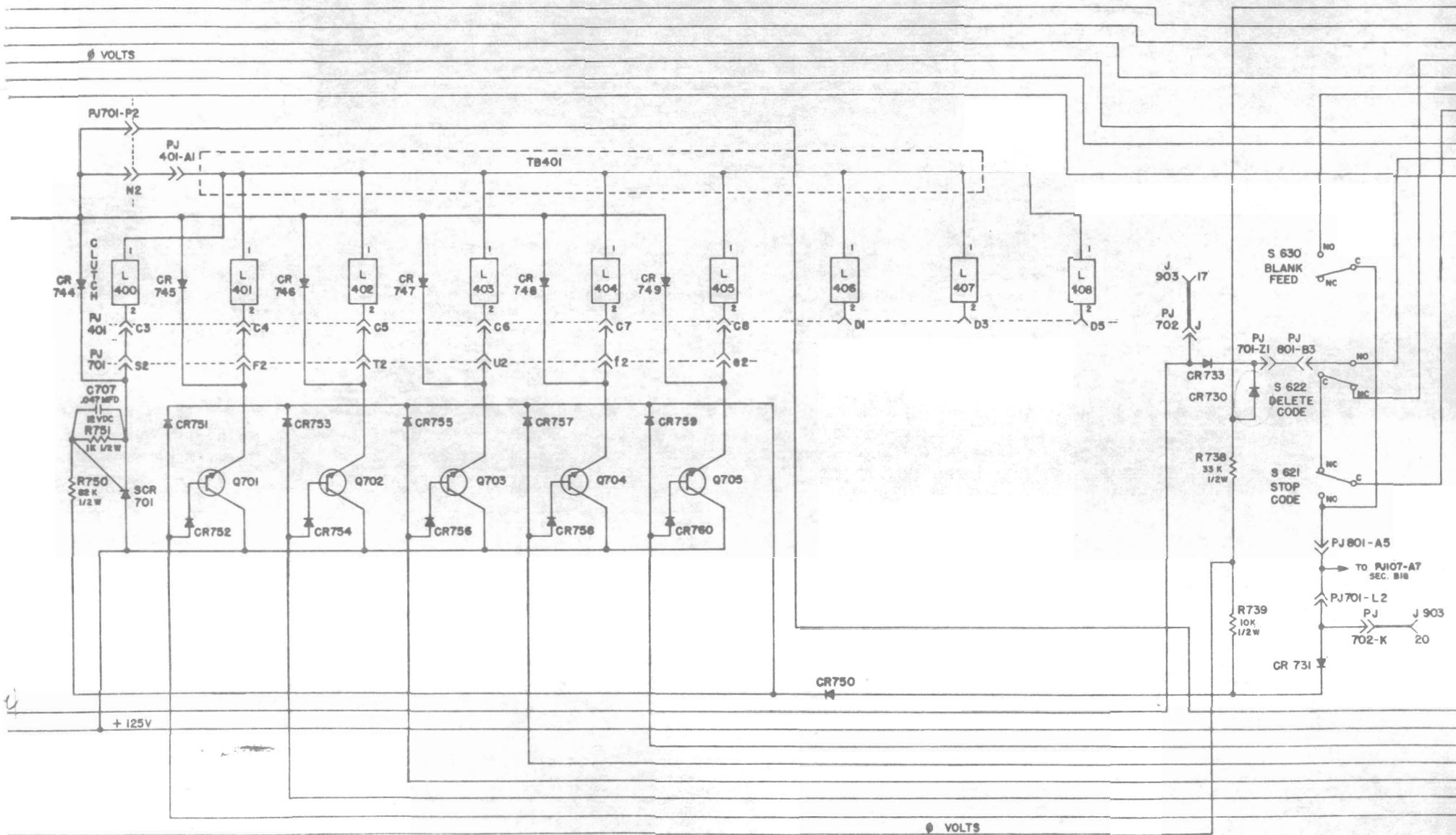


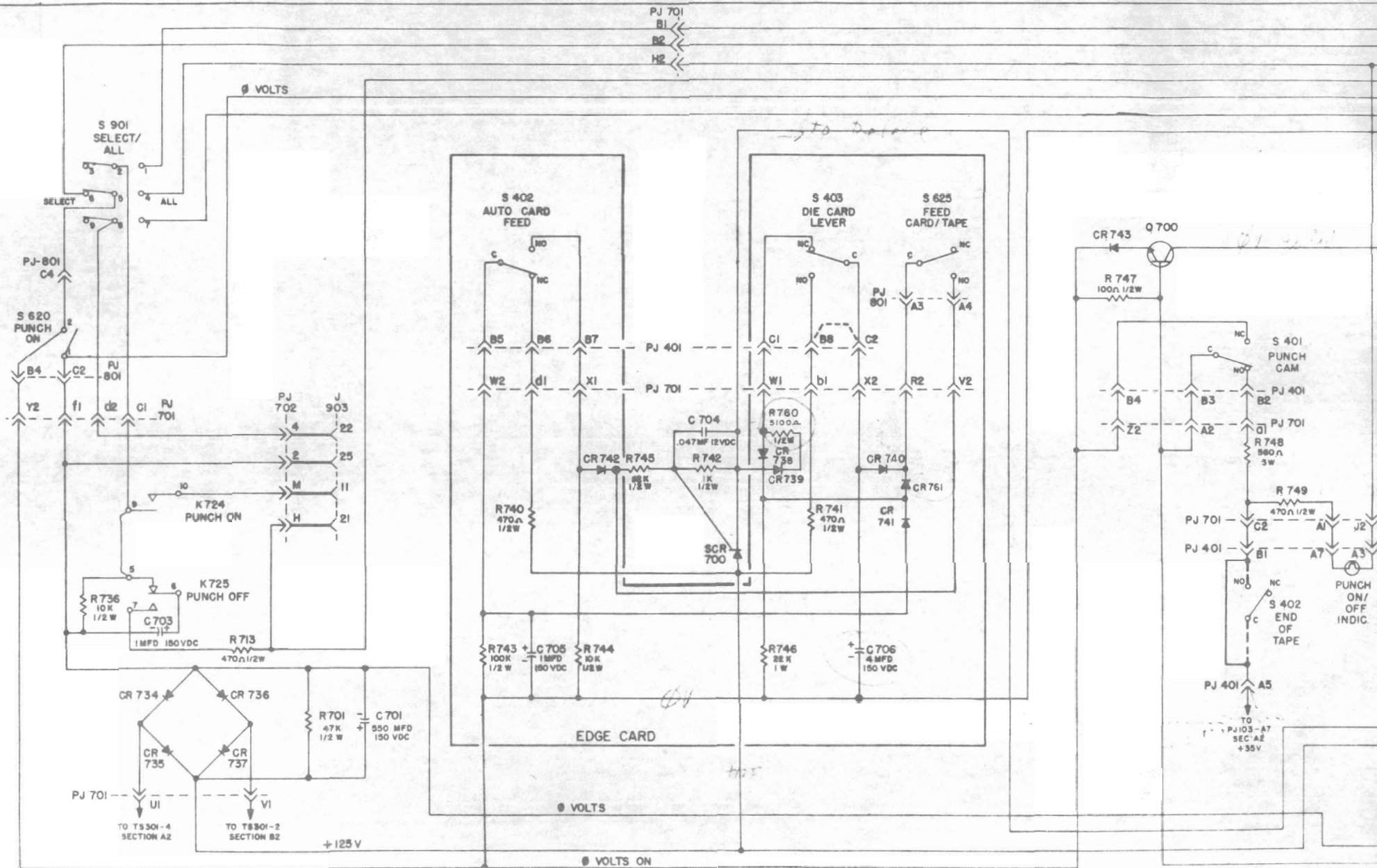










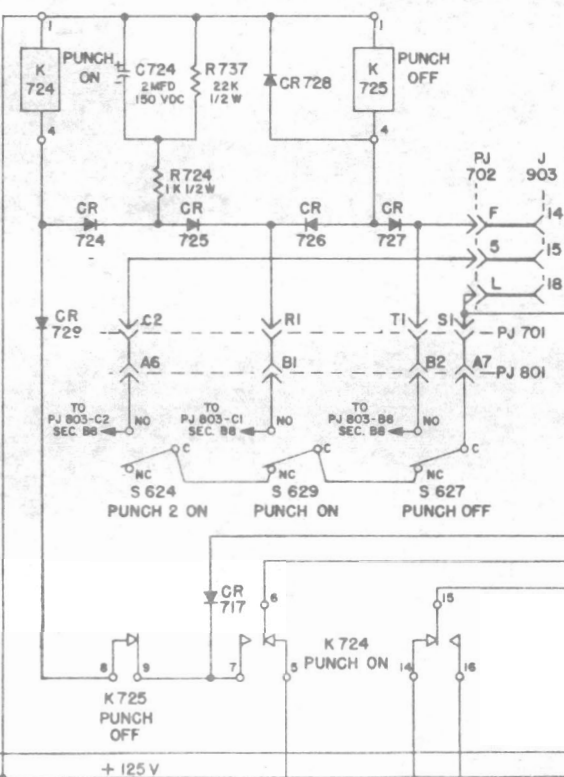


0 VOLTS

0 VOLTS

+ 125 V

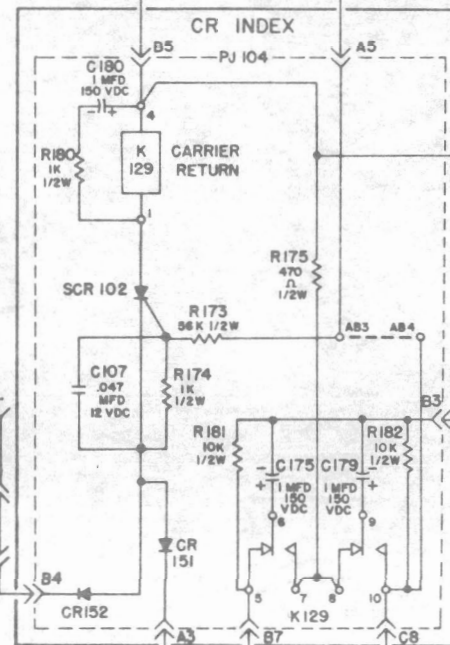
+ 125 V



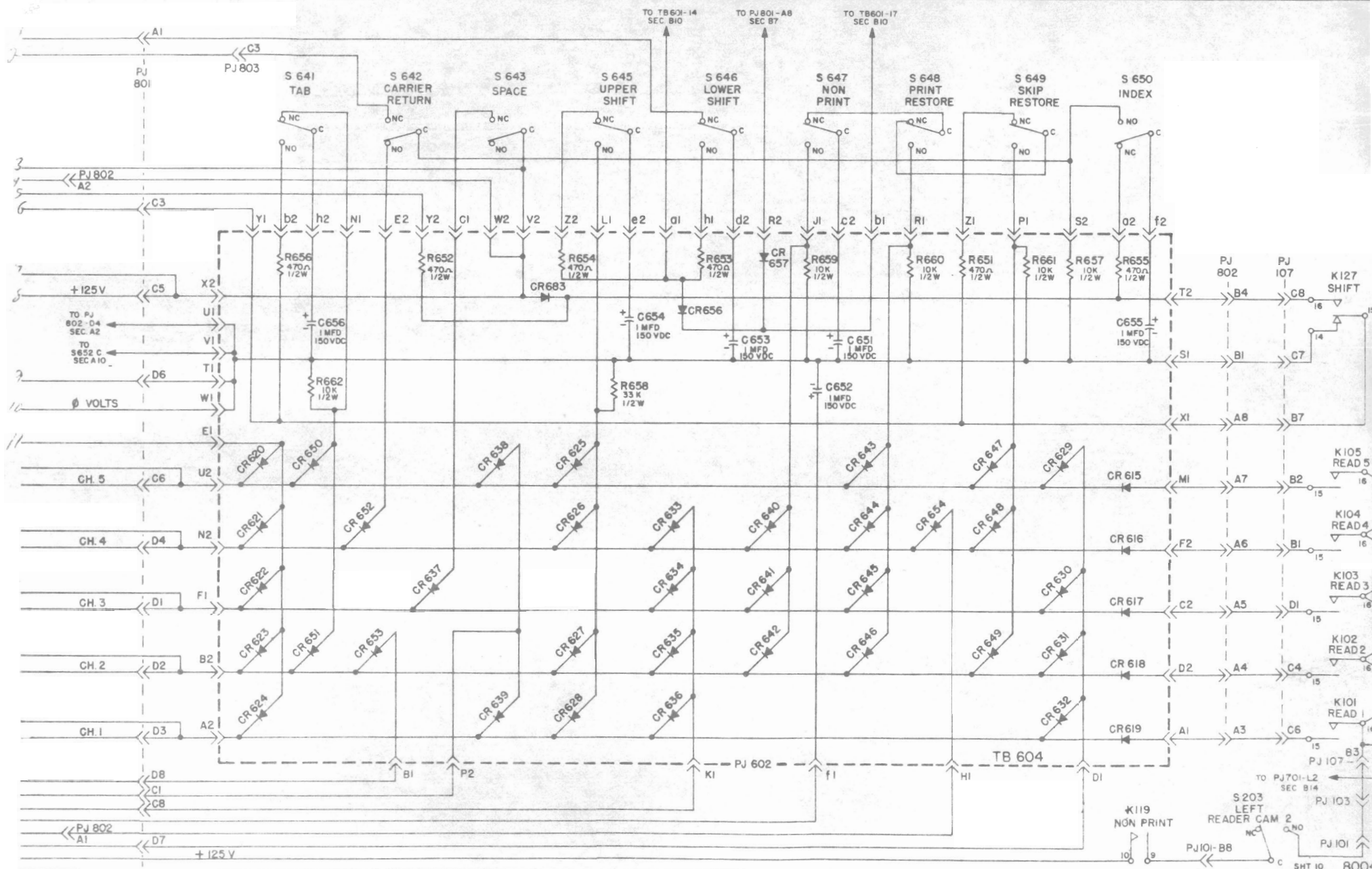
CH. 5
CH. 4
CH. 3
CH. 2
CH. 1

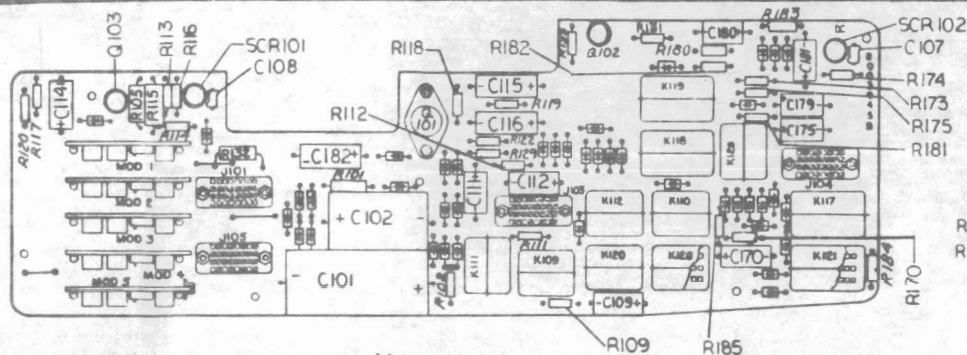
+ 125 V

CR INDEX

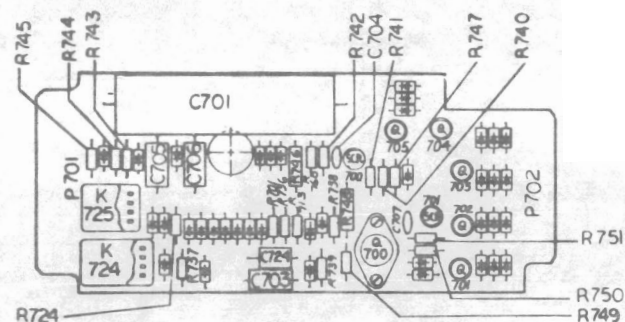
S 618
FILTER
SHAFT CAM 1S 611
BAIL 1S 613
BAIL 3S 614
BAIL 4S 616
BAIL 6S 615
BAIL 5

+ 125 V



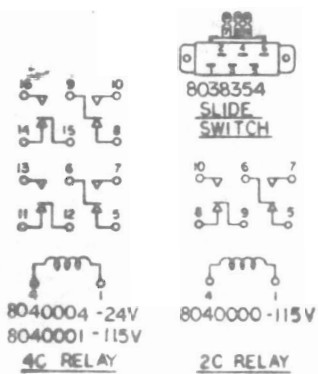


ASSY-A* P.C. BOARD



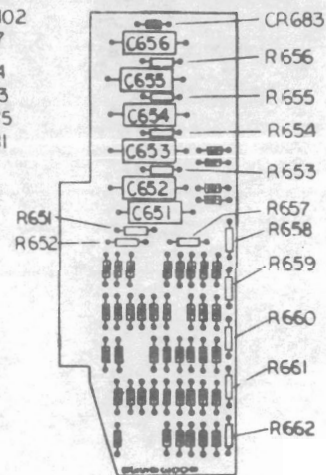
ASSY-PUNCH CONTROL P.C. BOARD

LOCATION OF COMPONENTS FOR READER AND PUNCH

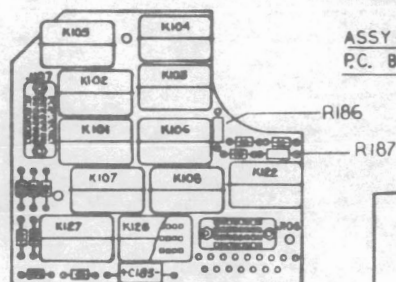


STANDARD 5 CHANNEL
READ BD. JUMPERS

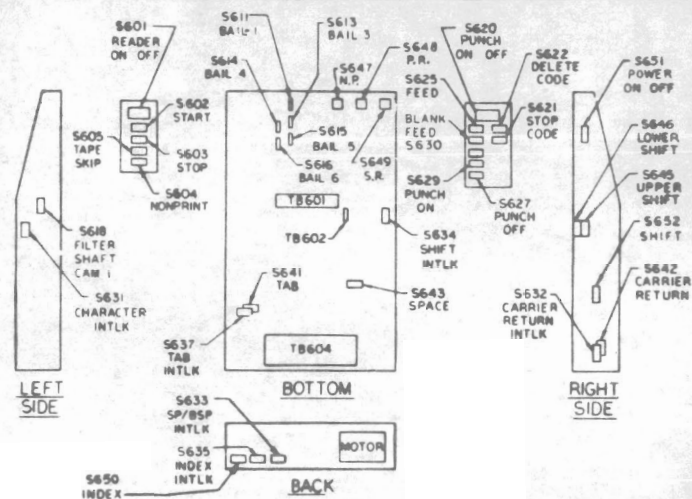
NON-PRINT... 9 → 13
TAB... 8 → 11
PRINT
RESTORE... 6 → 15
SKIP
RESTORE... 5 → 14
PUNCH-ON... 4 → 10
PUNCH-OFF... 2 → 12
PUNCH-ON-2... 3 → 16



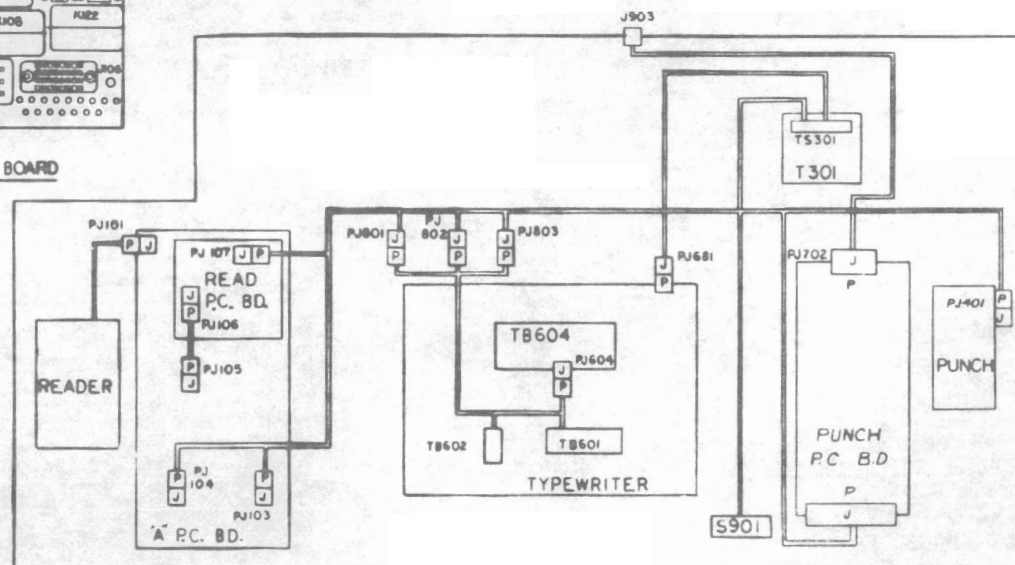
ASSY-TB604
P.C. BOARD



ASSY-READ P.C. BOARD



MACH 10 READER AND PUNCH



CHANNEL 1 ENERGIZES K105-READ-5
CHANNEL 2 ENERGIZES K104, K122-
READ-4
CHANNEL 3 ENERGIZES K103, K108-
READ-3
CHANNEL 4 ENERGIZES K102, K107-
READ-2
CHANNEL 5 ENERGIZES K101, K106-
READ-1

UPPER
SHIFT



- 1 INDICATED TEETH ARE ON DRIVE SHAFT GEAR.
2 INDICATED DEGREES ARE ON READER OR PUNCH GEAR.
3  TOOTH.
4 INDICATES ALLOWABLE TOOTH VARIATIONS:
5 15.4 CHAR/SEC; 65ms/CHAR; 1358ms/TOOTH; 48 TEETH/360°.
6 ±5° TOLERANCE ON TIMING SPECIFIED IN DEGREES.
7  INDICATES ADD FOR OPTIONS.
8 INDICATES REMOVE FOR OPTIONS.
9  INDICATES INSTALL FOR OPTIONAL FEATURE.
10 INDICATES DUMMY RELAY JUMPER.
11 A DUMMY RELAY IS INSTALLED FOR OPTIONAL FEATURE OMITTED AS INDICATED IN DUMMY RELAY (HART).

TYPEWRITER-READER SWITCH TIMING

TYPEWRITER-PUNCH SWITCH TIMING

PUNCH SWITCH TIMING

SWITCH NAME	SWITCH NO.	SHAWLE	DOUBLE	FRUIT NO.
NOBPRINT (KEY 32)	S647	A18		80380550
PRINT RESTORE (KEY25)	S648	A18		80380596
READER CAM 1	S201	A2		80380590
READER CAM 2	S202	A6		80380590
READER CAM 2	S203	A6		80380590
CLUTCH INTLK CAM 1	S204	B5		80380590
CARD / TAPE REAR	S205	A5		80380590
CARD / TAPE FRONT	S206	A5		80380590
PUNCH CAM	S401	B12		80000597
END OF TAPE	S402	B12		80380590
AUTO CARD FEED	S402	A11		80380590
ONE CARD LEVER	S601	A12		80380590
READER ON-OFF	S601		A5 & B2	80380574
START	S602	A5		80000532
STOP	S603	B6		80000532
MANUAL NOBPRINT	S604	A7		80000532
TAPE SKIP	S605	A7		80000532
BAIL 1	S611	A16		80380590
UPPER SHIFT	S652	A10		80380590
BAIL 3	S613	A16		80380590
BAIL 4	S614	A16		80380590
BAIL 5	S615	A16		80380590
BAIL 6	S616	A16		80380590
FILTER SHAFT	S618	A16		80380590
PUNCH ON-OFF	S620	A11		80380223
STOP CODE	S621	B14		80000532
DELETE CODE	S622	A14		80000532
PUNCH ON	S623	B10		80000532
BLANK FEED	S630	A14		80000532
FEED	S625	A12		80000532
PUNCH OFF	S627	B15		80000532
PUNCH ON	S629	B15		80000532
CHARACTER INTLK	S631	B5		80380590
CARRIER RETURN INTLK	S632	B6		80380590
SPACE / BACKSPACE INTLK	S633	B5		80380590
SHIFT INTERLOCK	S634	A6		80380590
INDEX	S635	A6		80380590
TAB INTERLOCK	S637	B6		80380590
TAB	S641	A17		80380590
CARRIER RETURN	S642	A17		80380590
SPACE	S643	A17		80380590
SKIP RESTORE (KEY40)	S649	A18		80380590
UPPER SHIFT (FIG.)	S643	A17		80380590
LOWER SHIFT (LTRS)	S644	A17		80380590
POWER ON-OFF	S651	A1		80380226
PUNCH SEL / ALL	S901	A11		80380594
INDEX	S650	A18		80380590

Ch-IBM-1167915
Patch 10. # 72

Camwil Inc.

11821 WEST PICO BOULEVARD
LOS ANGELES, CALIFORNIA 90064

Phone 473-9648

Special

TYPE HEAD SPECIFICATION

CAMWIL P/N 128-M ©

Type Style Gothic

Code 5-channel Teletype

Tilt	Upper Case											Lower Case										
0	■	■	■	■	■	.	■	■	&	\$	9	■	■	■	V	X	M	■	■	G	B	O
1	■	■	■	■	'	,	■	■	4	■	■	K	■	■	C	F	N	■	J	R	D	■
2	■	■	1	0	6	(	■	2	)	■	5	■	■	Q	P	Y	H	■	W	L	Z	T
3	■	■	7	8	/	■	■	-	■	3	■	■	■	U	I	S	■	■	A	■	E	■
	-5	-4	-3	-2	-1	0	+1	+2	+3	+4	+5	-5	-4	-3	-2	-1	0	+1	+2	+3	+4	+5
	ROTATE																					

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647■■'3)0(
■■-18/■■■■5
■■■■12■■

■■■■GVXBMNO
 YRUZ■FJELPH
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NON-STANDARD KEYS

[illegible]