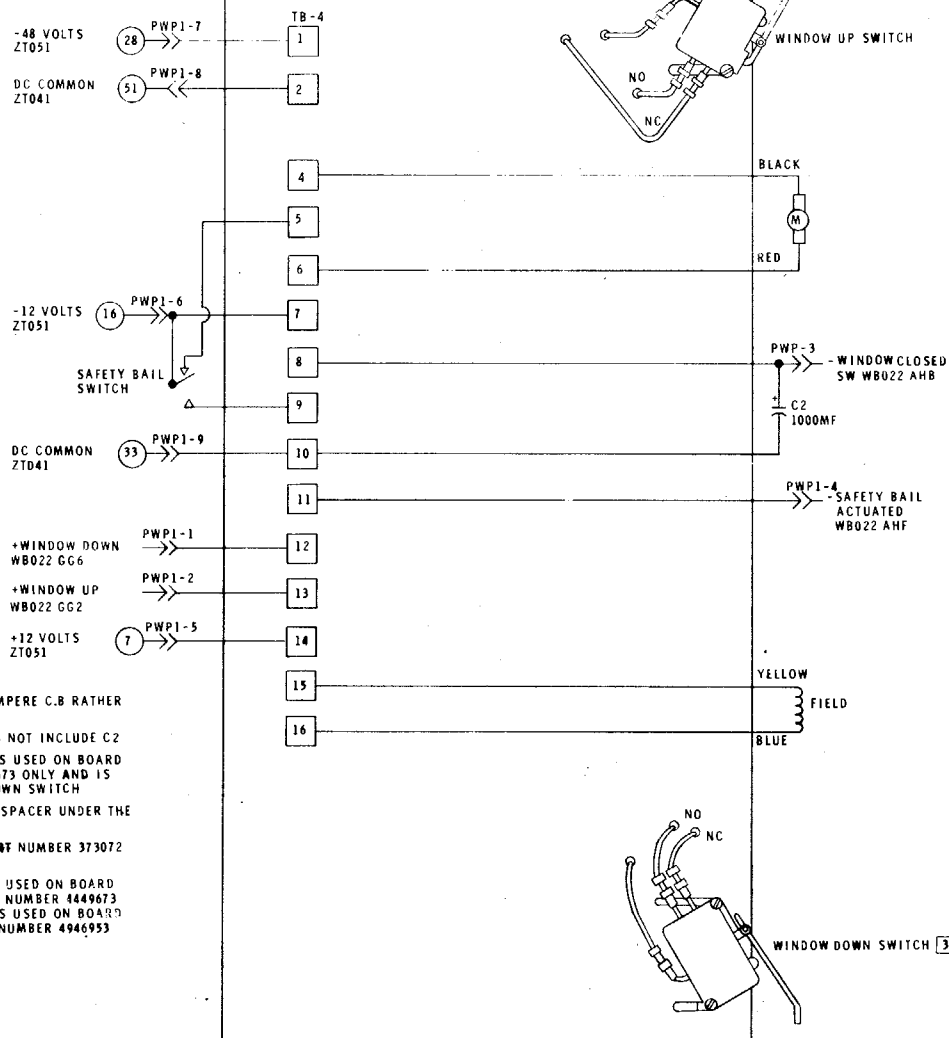


D
4449679PART NO
4449679 LOGIC PG NO
ZT021P/N 4946953 AND 4449673 ARE USED ON MACHINES WITH EC 443925 [4]
P/N 373072 AND 4449672 ARE USED ON MACHINES WITHOUT EC 443925

COMPONENT	PART NUMBER
WINDOW UP SWITCH [6]	5418005, 829728
WINDOW DOWN SWITCH [6]	5418005, 829728
SWITCH ACTUATOR	2501152
FUSE 2A	615683
FUSE HOLDER	179946
C2	1767693
SPACER [3]	4169484
RELAY [5]	5213449



NOTES

- 1 SOME MACHINES WILL HAVE 2 AMPERE C.B. RATHER THAN FUSE
- 2 COMPLETE CARD ASSEMBLY DOES NOT INCLUDE C2
- 3 SPACER PART NUMBER 4169484 IS USED ON BOARD PART NUMBER 4946953 AND 4449673 ONLY AND IS LOCATED UNDER THE WINDOW DOWN SWITCH
- 4 CHECKPOINT FOR EC 443925 IS A SPACER UNDER THE WINDOW DOWN SWITCH
- 5 RELAY ONLY USED ON BOARD PART NUMBER 373072 AND PART NUMBER 4946953
- 6 SWITCH PART NUMBER 829728 IS USED ON BOARD PART NUMBER 4449672 AND PART NUMBER 4449673 SWITCH PART NUMBER 5418005 IS USED ON BOARD PART NUMBER 373072 AND PART NUMBER 4946953

CIRCUIT BOARDS PART NUMBER 373072 AND 4946953
CONTROL MOTOR DIRECTION BY REVERSING THE DIRECTION OF
ARMATURE CURRENT
TERMINAL VOLTAGE FOR VARIOUS MOTOR STATES WHEN USING
BOARD PART NUMBER 373072 AND 4946953

MOTOR STATE	ARMATURE		FIELD	
	4/BLACK	6/RED	15/YELLOW	16/BLUE
GO UP	-48V	-1V MAX	-1V MAX	-48V
GO DOWN	-1V MAX	-48V	-1V MAX	-48V
STOP	-48V	-48V	-48V	-48V

CIRCUIT BOARD PART NUMBER 4449672 AND 4449673 CONTROL
MOTOR DIRECTION BY REVERSING THE DIRECTION OF FIELD
CURRENT

TERMINAL VOLTAGES FOR VARIOUS MOTOR STATES WHEN
USING BOARD PART NUMBER 4449672 OR 4449673

MOTOR STATE	ARMATURE		FIELD	
	4/BLACK	6/RED	15/YELLOW	16/BLUE
GO UP	-48V	-1V MAX	-1V MAX	-48V
GO DOWN	-48V	-1V MAX	-48V	-1V MAX
STOP	-48V	-48V	-10V MAX	-10V MAX

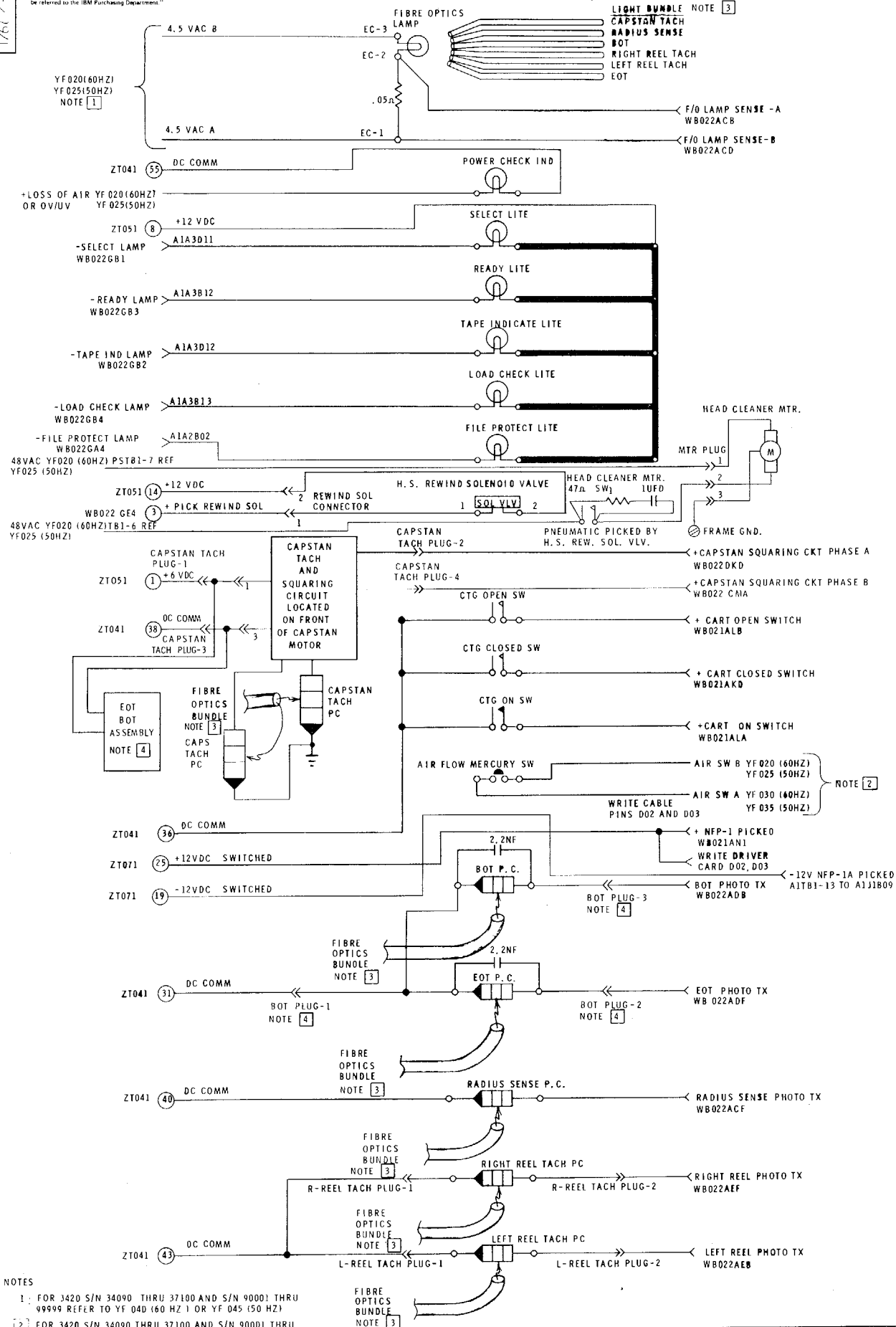
NOTE: ON THESE TWO BOARDS THE FIELD VOLTAGE WILL REVERSE
FOR APPROXIMATELY 100 MS WHEN THE MOTOR STOPS IN
THE OPEN OR CLOSED POSITION

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IBM				DATE	CHANGE NO	DATE	CHANGE NO
NAME	SYSTEM DIAGRAM POWER			22 MAY 80	846320		
WINDOW BOARD	3420 ALL MODELS			12 JUN 81	846320C		
DESIGN	GS	8NOV79	SHT 1 OF 1	21 DEC 81	847861A		
DETAIL	GDI						
CHECK	AK	19 JAN 80	CLASSIFICATION	MUST CONFORM TO ENG SPEC	DEVELOPMENT NO	LOGIC PG NO	
APPRO							

4449679
D

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NOTES

1. FOR 3420 S/N 34090 THRU 37100 AND S/N 90001 THRU 99999 REFER TO YF 040 (60 HZ) OR YF 045 (50 HZ)

2. FOR 3420 S/N 34090 THRU 37100 AND S/N 90001 THRU 99999 REFER TO YF 020 (60 HZ) YF 025 (50 HZ)

3. ON SOME MACHINES A LED MAY BE PRESENT IN PLACE OF FIBRE BUNDLE

4. ONLY PRESENT ON MACHINES WITH LED EOT/BOT ASSEMBLY

NAME	DATE	CHANGE NO.	DATE	CHANGE NO.	NOTE	DEVELOPMENT NO.
SCHEMATIC -	16 OCT 72	734303F	8 NOV 73	734673	X PRINT TO ENG. SPEC. NO.	
REFERENCE	7 DEC 72	734768	22 MAY 80	841320		
DESIGN DBK						
DETAIL GWS	17 FEB 73	734780				
CHECK	9 MAR 73	734787				
APPRO	18 JUN 73	735624				

176-7-7

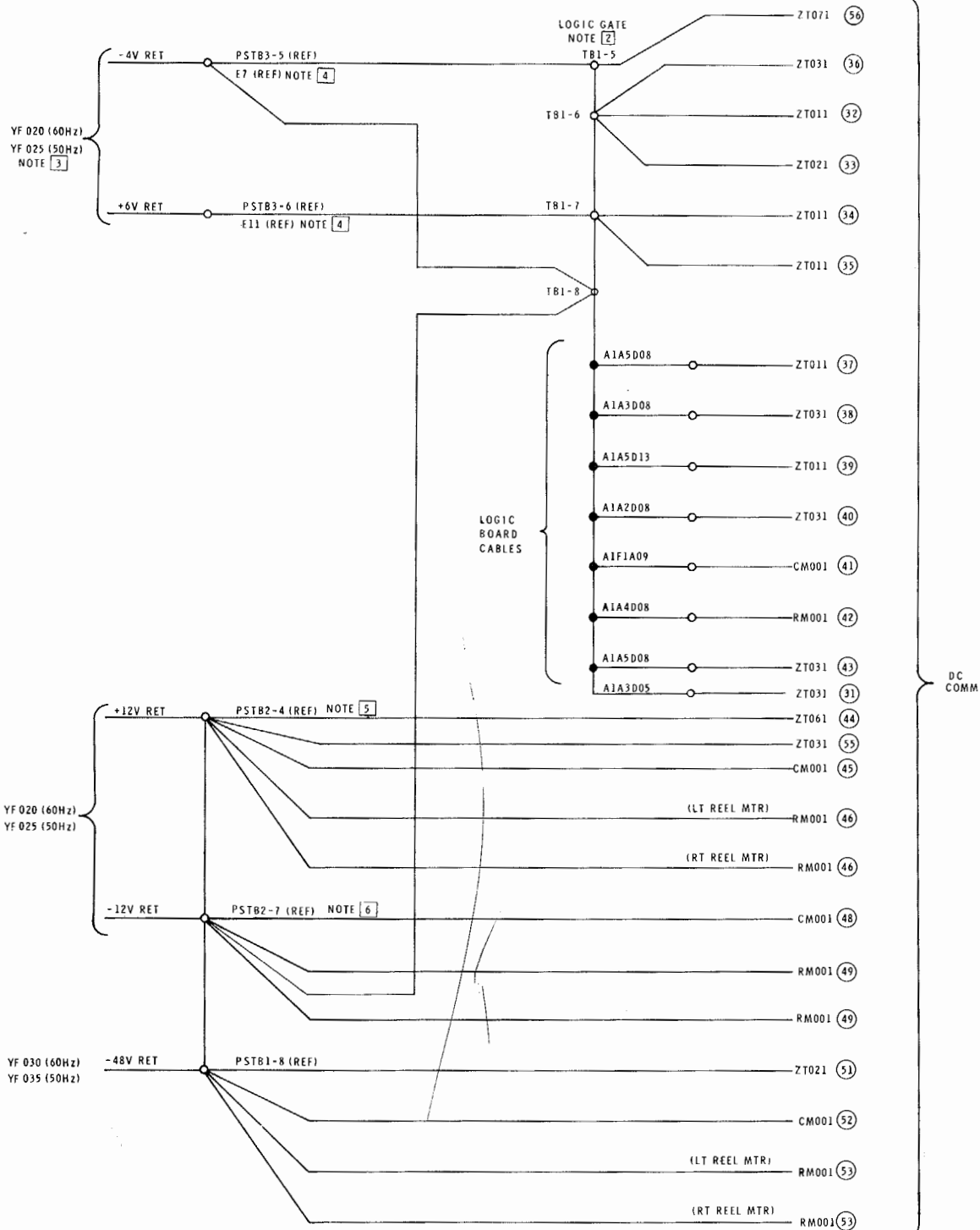
ZT031

176-7-7

176-7-7

D C COMMON DISTRIBUTION 3420 50HZ AND 60HZ

ZT041



DC COMM

NOTES

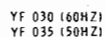
- 1 PSTB1, PSTB2, AND PSTB3 REFER TO TB'S 1-2-3 ON FRONT OF POWER SUPPLY
- 2 SEE PAGE FT910 FOR LOGIC GATE DISTRIBUTION
- 3 FOR 3420 S/N 34090 TO 37100 AND S/N 90001 TO 99999 REFER TO YF040 (60 HZ) OR YF045 (50 HZ)
- 4 E7 AND E11 TERMINATIONS ARE LOCATED ON POWER REGULATOR BOARD NEXT TO RIGHT REEL MOTOR BOARD ON S/N 34090 TO 37100 AND S/N 90001 TO 99999
- 5 PSTB3-4 ON S/N 34090 TO 37100 AND S/N 90001 TO 99999
- 6 PSTB3-7 ON S/N 34090 TO 37100 AND S/N 90001 TO 99999

NAME		DATE	CHANGE NO.	DATE	CHANGE NO.	NOTE	DEVELOPMENT NO.
GROUND DISTRIBUTION		16 OCT 72	734303F			X PRINT TO ENG. SPEC. NO.	
DESIGN	DBK	7 DEC 72	734768				
DETAIL	GWS	17 FEB 73	734780				
CHECK	CGC	28 JUN 73	735637				
APPRO	N-DM	22 MAY 80	846320				
							ZT041

01046

930-154-000
1766758

DC DISTRIBUTION 3420 MOD 4, 6, 8
50Hz AND 60Hz



NOTES

- 2 SEE PAGE FT910 FOR LOGIC GATE DISTRIBUTION

3

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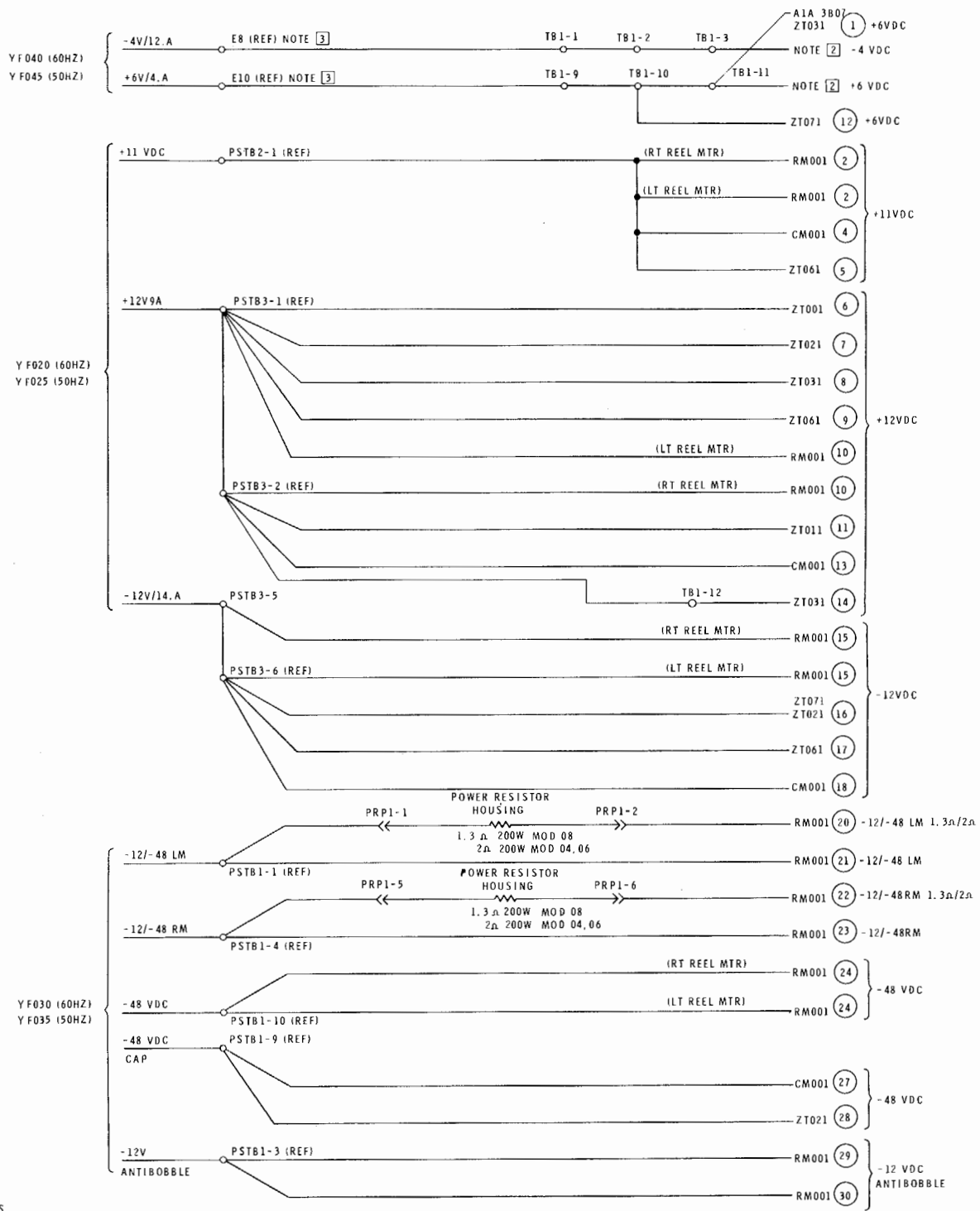
1766784

1845796

PART NO
1845796

LOGIC PG NO
ZT051

DC DISTRIBUTION 3420 MOD 4,6,8 PIGGYBACK
50HZ AND 60HZ



- NOTES
- 1 PSTB1, PSTB2, AND PSTB3 REFER TO TB1, TB2, AND TB3 ON FRONT OF POWER SUPPLY
 - 2 SEE PAGE FT910 FOR LOGIC GATE DISTRIBUTION
 - 3 E8 AND E10 TERMINATIONS ARE LOCATED ON POWER REG BOARD NEXT TO RIGHT REEL MOTOR BOARD

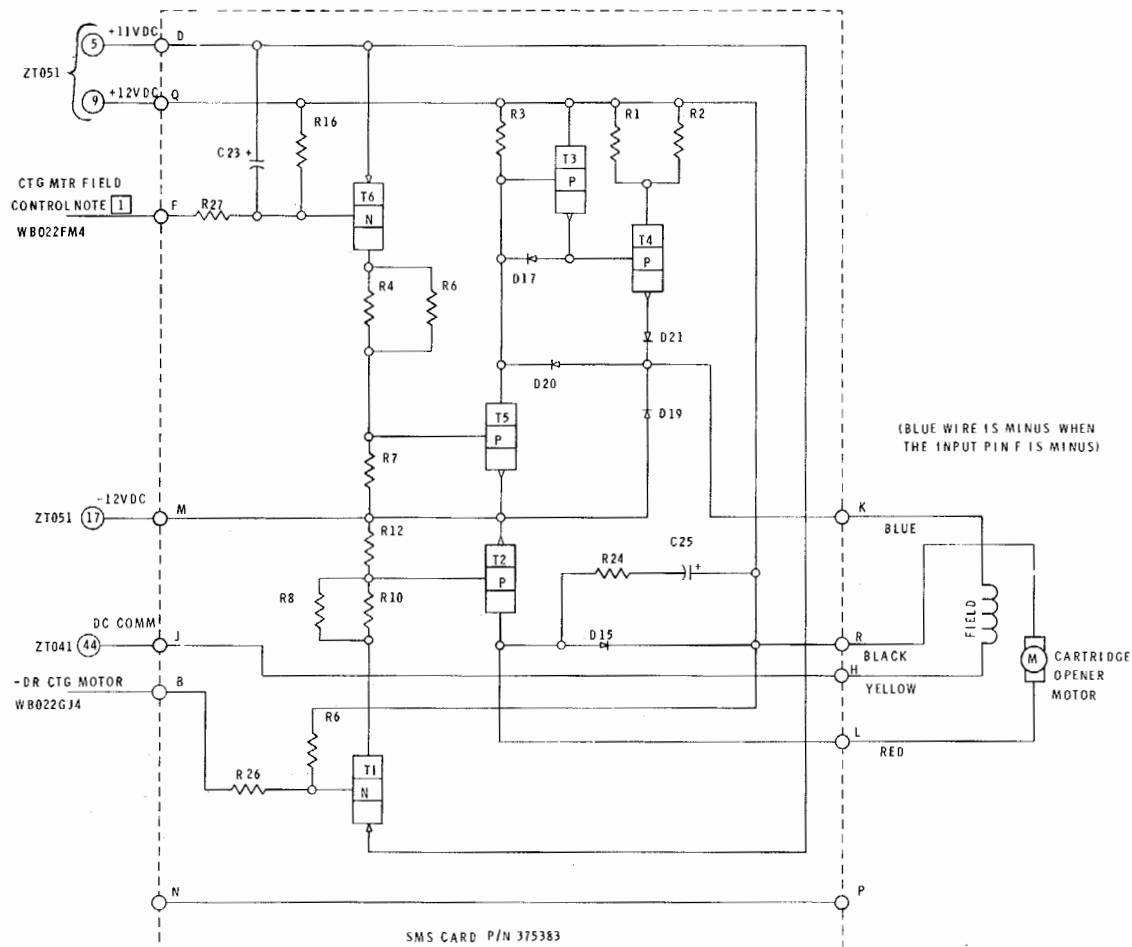
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IBM				DATE	CHANGE NO	DATE	CHANGE NO
NAME	REFERENCE PAGE			20FEB73	734780		
DC DISTRIBUTION MOD 4, 6, 8				5MAR73	734787		
DESIGN	DBK		SHT OF	19APR78	449093		
DETAIL	GWS	20FEB73		22MAY80	846320		
CHECK	12		CLASSIFICATION	MUST CONFORM TO ENG SPEC		DEVELOPMENT NO	LOGIC PG NO
APPRO			N-DK	6FEB73			ZT051

1845796

D

CARTRIDGE OPENER CONTROL
50 OR 60 HZ
LOCATED ABOVE CARTRIDGE OPENER MOTOR
AN SMS TYPE CARD



NOTES

- 1 WHEN PIN (F) IS - (GND) CARTRIDGE MOTOR WILL ROTATE CW (OPEN). WHEN PIN (F) IS + (+12V) CARTRIDGE MOTOR WILL ROTATE CCW (CLOSE)

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NAME	DATE	CHANGE NO.	DATE	CHANGE NO.	NOTE	DEVELOPMENT NO.
SYSTEMS DIAGRAM CART	14OCT72	734303F			X PRINT TO ENG SPEC. NO.	
OPENER CONTROL	22MAY80	846320				
DESIGN R.G.B. 16OCT69						
DETAIL V.L.G. 14OCT72						
CHECK G.C.K. 16OCT77						
APPRO N-D.K. 16OCT77						

ZT061