

ALL AMERICAN BASEBALL
SCOREBOARDS

MODEL BB-100R

MODEL BB-100P

MODEL BB-500

MODEL BB-750

Your All-American Scoreboard has been carefully inspected and tested before leaving our plant. It is possible, however, that components may be loosened or forced out of adjustment in transit. If this occurs, follow Maintenance Check List. If equipment then fails to operate, contact:

ALL AMERICAN SERVICE DEPARTMENT
GENERAL INDICATOR CORPORATION
Pardeeville, Wisconsin 53954
Telephone: Area 608/429-2121
Watts 800/356-8146

DAMAGE

Upon receipt, check for visible damage. If this occurs, or if damage is found after shipment has been accepted follow Damage Claim Procedure.

DAMAGE CLAIM PROCEDURE

An instruction sheet is enclosed with each shipment advising the Consignee (location where board is shipped) what to do in case of damage in transit.

(1) If damage is noted at time of delivery, Consignee must obtain an Inspection of Bad Order from the delivering carrier (truck driver or shipping agent). In order to process your claim, this must be properly filled out with a complete statement of all damage and signed by the carrier.

(2) If damage is discovered after delivery, you (Consignee) should call the Express Agent (if rail shipment) or the delivering truck company (if truck shipment) and have him make out a Concealed Damage Report. Fifteen days, after delivery, are allowed so this should be done PROMPTLY or it is impossible to process this claim.

(3) In either case, advise Consignor (ALL-AMERICAN) of necessary replacements, parts, or repairs. Consignee will be invoiced and then should file claim with carrier to recover charges.

TO FILE YOUR CLAIM FOLLOW THIS PROCEDURE

(1) Cost of replacement parts or repair charges are invoiced to the carrier by the Consignee.

(2) The following documents, in addition to the invoice, are forwarded to the Truck Company or Express Agency in support of your claim.

- (a) Original bill of lading.
- (b) Original paid freight bill.
- (c) Certified copy or original invoice.
- (d) Standard form for Presentation of Loss and damage claim properly filled out.

ALL AMERICAN SCOREBOARDS

are a product of:

GENERAL INDICATOR CORPORATION
Pardeeville, Wisconsin 53954
Telephone: Area 608/429-2121
Watts 800/356-8146

INSTALLATION AND OPERATING INSTRUCTIONS

FOR THE BB-100, BB-750 AND BB-500 BASEBALL SCOREBOARDS

1. Check shipment and if damaged file damage report.
2. You should have received:
 - a. One Baseball Scoreboard.
 - b. Mounting clips if ordered.
 - c. Extra cable and plug if ordered.
 - d. One operating instructions.
 - e. One control console.
3. For permanent mounting to uprights see enclosed installation drawing.
4. To connect to power supply and cable:

For BB-500

- A. You will receive the control with 20 feet of cable on it with a plug. Also, the extra cable ordered with a conduit box and plug on one end and spade lugged color coded wires on the other end. It is supplied this way so that a permanent installation can be made, either in conduit or without. If in conduit from the scoreboard down to the below ground level, pull the loose end up through the conduit and attach to matching wires on the terminal block. For access to the terminal block remove the "INN" placard from front of scoreboard and remove collector box cover. The cable is designed for either direct burial or in conduit. We suggest at least 24 inches down. Attach the field conduit box with plug to a wall, post or set in concrete. Connect a minimum of size 14 wires to the power terminal block located within the collector box. If over 200 feet use size #12 wires. Maximum amperage is 12 amps at 120 volts AC 60 cycle.

For BB-100P - Portable

- A. Remove the rear service door and pull out the power cord and the control with its cable. Connect the power cord to a 120 volt AC 60 cycle supply. If run on an extension cord, the wires in the cord should be minimum of size 14. Maximum amperage is 12 amps. If over 200 ft. use size 12 wire extension cable.

For BB-100R - Remote

- A. You will receive the control with 20 ft. of cable on it with a plug. Also, the extra cable ordered with a conduit box and plug on one end and spade lugged color coded wires on the other end. It is supplied this way so that a permanent installation can be made, either in conduit or without. If conduit from the scoreboard down to the below ground level, pull the loose end up through the conduit and attach to matching wires on the terminal block. For access to the terminal block remove the rear service door and then remove the terminal block cover at the left with the two screws. The cable is for direct burial. We suggest at least 24 inches down. Attach the field conduit box with plug to a wall, post or set in concrete. Connect a minimum of size 14 wires to the power terminal block located within the rear service door access. If over 200 ft. use size #12 wires. Maximum amperage is 12 amps at 120 volts AC 60 cycle.

For BB-750

- A. Remove the Service doors between Guest and Inning; and Ball and Strike to locate the Collector Boxes. Install plastic grommet between sections and pass the control and power cable from the top Collector Box down through to the Bottom Collector box. Snap plug together. Connect 20 amp 2 wire service through rear of scoreboard into this collector box as shown on electrical print C-11949. Use conduit or heavy insulated cable. We suggest you install size #10 wires.

OPERATION

BALL STRIKE AND OUT TOGGLE SWITCHES

1. Operate toggle switches ON one at a time progressively to indicate the number of Balls, Strikes or Outs (BB-500 and BB-100). BB-750 Balls, Strikes, or Outs are operated by progressive Roto-Paks. The numerals will advance one digit for each operation of the switch.

SCORES AND INNINGS

1. Scores and Innings are operated by progressive Roto-Paks. The numerals will advance one digit for each operation of the switches. The single ones are controlled by toggle switches.

HIT - ERROR

1. Move toggle switch to either hit or error. The center position is OFF. (BB-500 and BB-750 only)

MAINTENANCE

1. All lamps in Ball, Strike and Out are 25 watt clear for BB-500 and BB-100 and 15 watt clear for BB-750.
2. All lamps in the Home, Guest and Inning are 15 watt clear.
3. To service the 15 watt lamps remove the screen by removing the 4 screws.
4. BB-500
 - A. The Home, Guest and Inning numeral mechanisms are mounted at the rear of the "INN" panel and may be serviced by removing the service door panel.

BB-100R & BB-100P

- B. The Home, Guest and Inning numeral mechanisms are mounted at the rear of the socket panel and may be serviced by removing the service door panels between figuregrams.

BB-750

- C. The Home, Guest and Inning controls are located in the collector box behind the service door in the bottom section.

The Ball, Strike and Out controls are located in the collector box behind the service door in the top section.

Power and controls must be pulled to the bottom section service area.

5. If the figuregrams either do not operate from the control, or operate sporadically, have an electrician check to see if you have a minimum of 105 volts with a numeral up in all figuregrams and the Ball-Strike and Outs lamps lighted. If less than 105 volt either the power company's supply transformer must be raised up a tap to get more voltage or the wire size supplying the scoreboard must be increased.

NOTICE:

Our guarantee is void unless item 5 condition is met.

Factory:

GENERAL INDICATOR CORPORATION
Pardeeville, Wisconsin

GENERAL INDICATOR
CORPORATION

SECTION

ROTO-PAK

INDEX NO.

A-10720

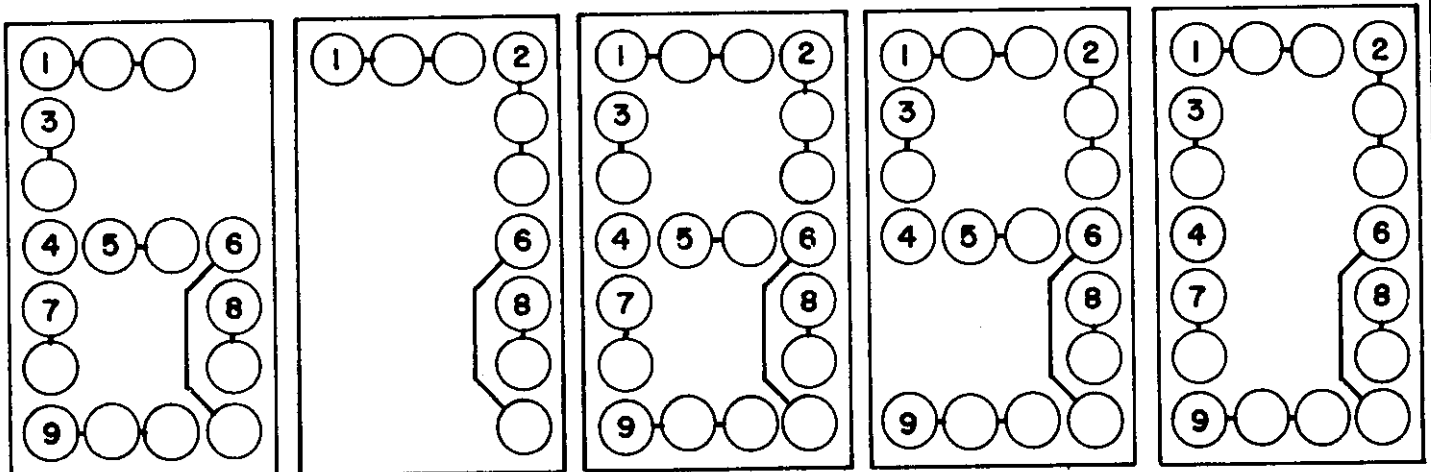
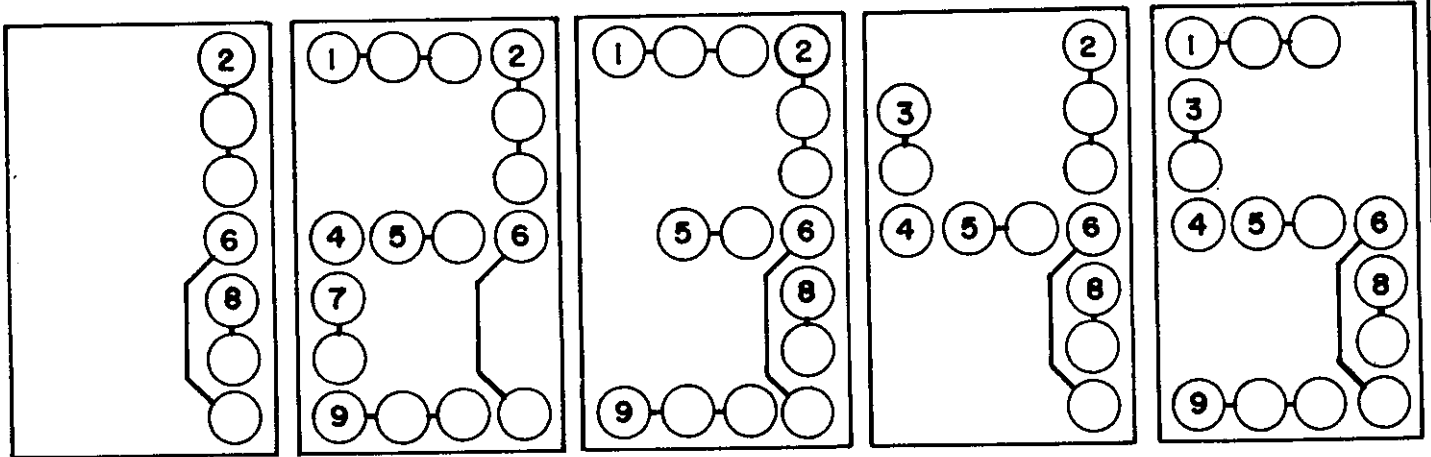
4X7 SQUARE PATTERN (9 BIT)

PAGE

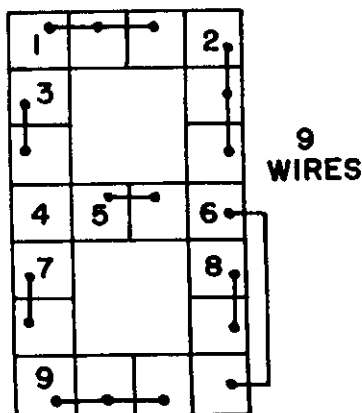
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DATE

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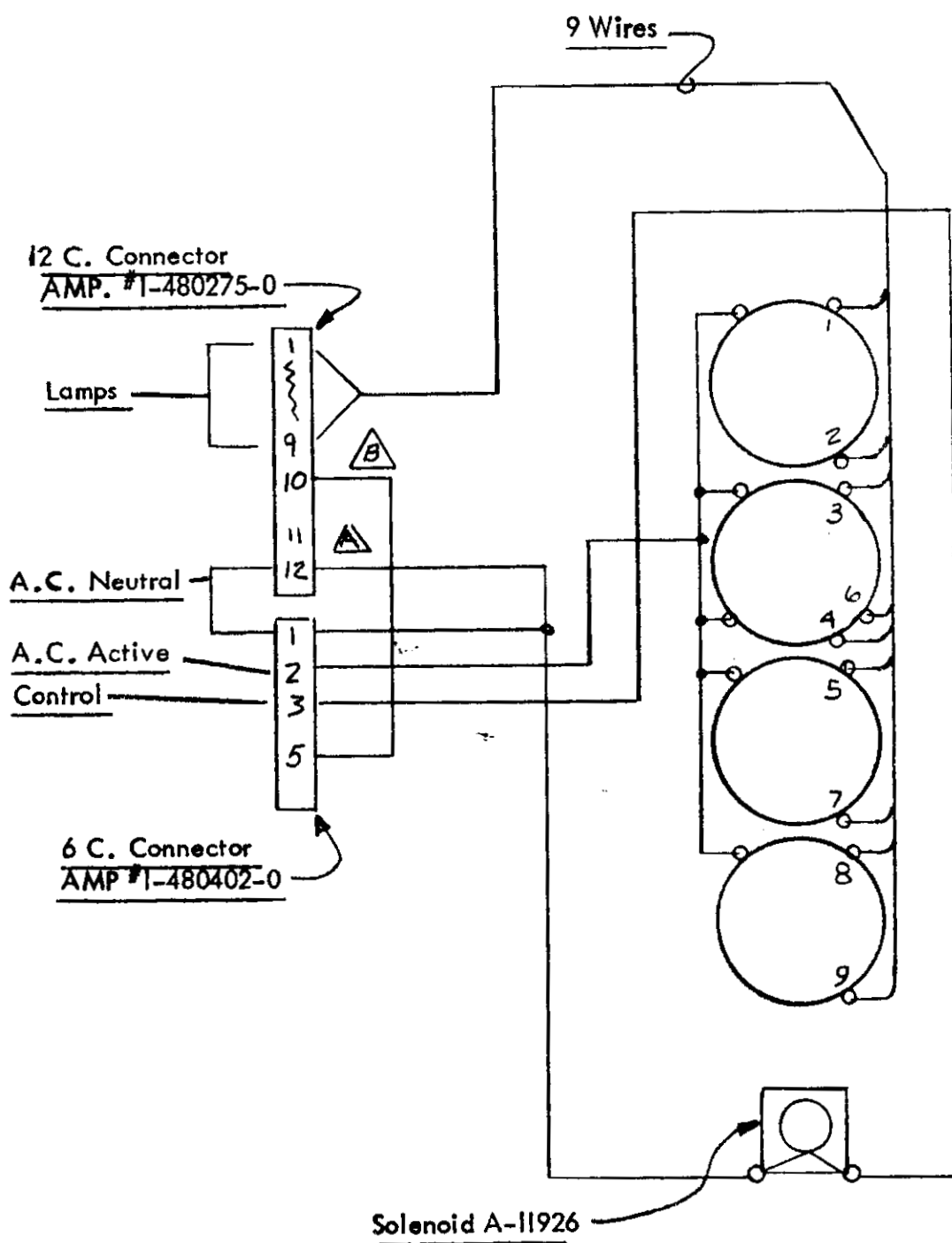
COMBINATIONS



NUMERALS

	0	1	2	3	4	5	6	7	8	9
1	0		2	3		5	6	7	8	9
2	0	1	2	3	4			7	8	9
3	0				4	5	6		8	9
4	0		2		4	5	6		8	9
5			2	3	4	5	6		8	9
6	0	1	2	3	4	5	6	7	8	9
7	0		2				6		8	
8	0	1		3	4	5	6	7	8	9
9	0		2	3		5	6		8	9

FACE VIEW OF LAMP WIRES



B	Added Jumper for Big 1	1-16-75	Rist
A	Delete Neutral Lamp Pin #11	12-19-72	E.R.R.
SYM.	DESCRIPTION	DATE	APPROVAL

NEXT ASSEMBLY			REVISIONS		GIC general indicator corporation
UNLESS OTHERWISE SPECIFIED			0-9 PROGRESS ROTO PAK WIRING		
TOLERANCE AFTER MACHINING FRACT. DEC. ANG.					
SURFACE FINISH NOT TO EXCEED					
FINISH	DRAWN	DATE			
	CHECKED		MATERIAL		DRAWING NO.
	DRAFT. SUPV.		SCALE		A - 11950
	DESIGN ENGR.		DRAWING SIZE		SHEET
	RELEASE				

NOTES:

1. WIRE TO NUMERAL PATTERN

A-1D720 - 4x7

2. NUMERAL SEQUENCE IS

1-2-3-4-5-BLANK
TWICE DN 12 POSITION
WAFERS

12 C. CONNECTOR

AMP. #1-480275-0

LAMPS

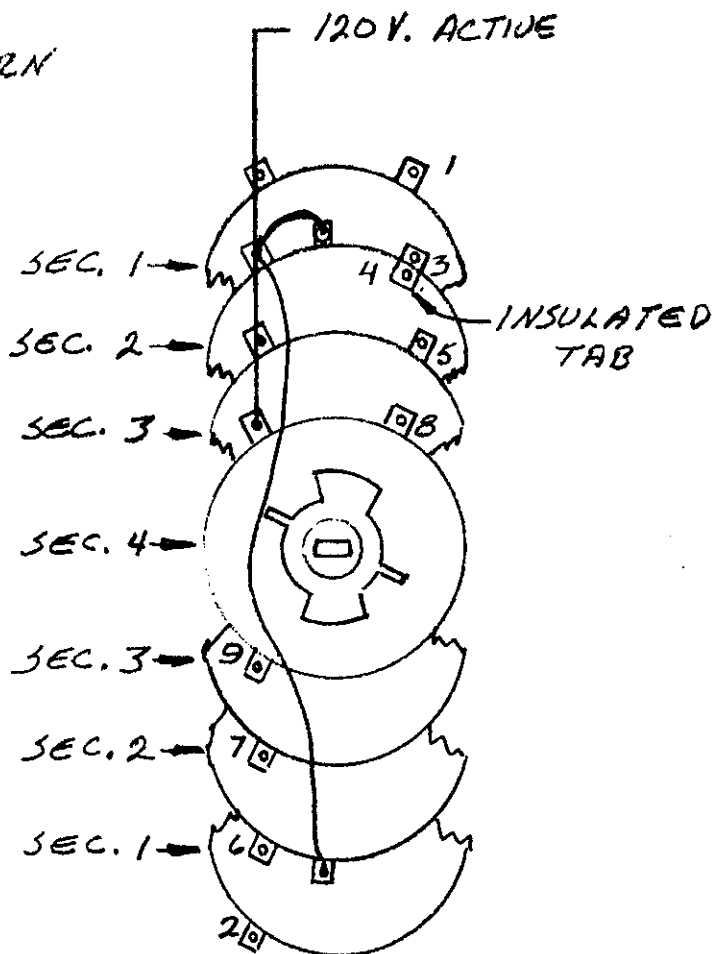
A.C. NEUTRAL

120V. ACTIVE

CONTROL

6 C. CONNECTOR

AMP. #1-480402-0



END VIEW - OPPOSITE
END OF RATCHET

SOLENDID
A-11926

SYM.		DESCRIPTION		DATE	APPROVAL
NEXT ASSEMBLY		REVISIONS			
UNLESS OTHERWISE SPECIFIED					
TOLERANCE AFTER MACHINING FRACT. DEC. ANG.		SURFACE FINISH NOT TO EXCEED		WIRING FOR ROTO-PAK 1 TO 5 NUMERALS	
FINISH	DRAWN CHECKED	DATE 3-20-71	GIC general indicator corporation		
DRAFT. SUPV.		MATERIAL		DRAWING NO. A - 11951	
DESIGN ENGR.		SCALE		DRAWING SIZE A	
RELEASE		DRAWING SIZE A		SHEET	

BLK
WHT
RED
GRN
ORNG
BLU
WHT-GRN
RED-BLK
GRN-BLK
GRN-BLK
BLU-BLK
BLK-WHT
RED-WHT
GRN-WHT
BLU-WHT

15 COND. CABLE-LENGTH AS ORDERED
#18 WIRE

A B C D E F G H I J K L M N

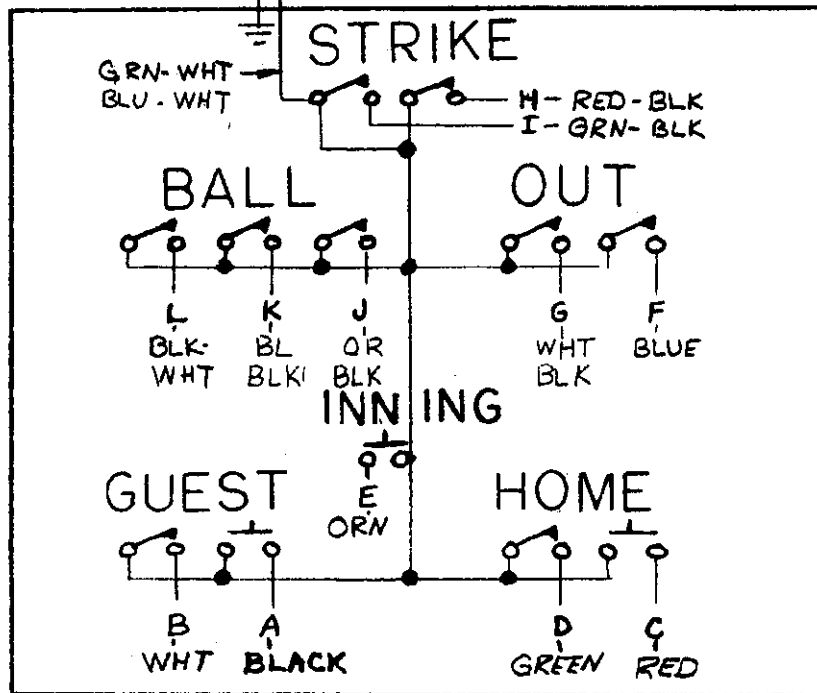
14 CONTACT FEMALE PLUG # 3102A2027S IN
CONDUIT BOX FS-2 WITH DS 1020 G COVER

14 CONTACT MALE
PLUG #3106A2027P

WHEN USED ON
REMOTE MODELS
AS COLOR CODED
SPADE TERMINALS
AND NO PLUG
FOR PORTABLE
MODELS.

A B C D E F G H I J K L M N

15 COND. CABLE 20 FT. #18 COLOR CODED



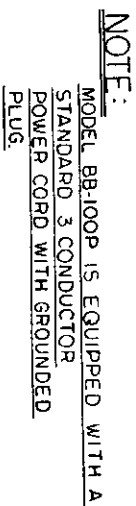
CONTROL

NOTE: 1st COLOR BASE
2nd COLOR STRIPE

SYM.		DESCRIPTION		DATE	APPROVAL
NEXT ASSEMBLY		REVISIONS			
UNLESS OTHERWISE SPECIFIED					
TOLERANCE AFTER MACHINING FRACT. DEC. ANG.			SURFACE FINISH NOT TO EXCEED		
FINISH	DRAWN <i>R</i>	DATE	BASEBALL CONTROLS MODELS BB 100 P & R		
	CHECKED	2-5-73			
	DRAFT. SUPV.		MATERIAL		
	DESIGN ENGR.		SCALE		
	RELEASE		DRAWING SIZE A		
			DRAWING NO. A 12051		
			SHEET		

GIC
general indicator
corporation

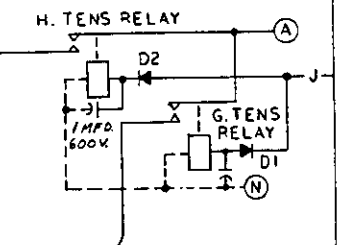
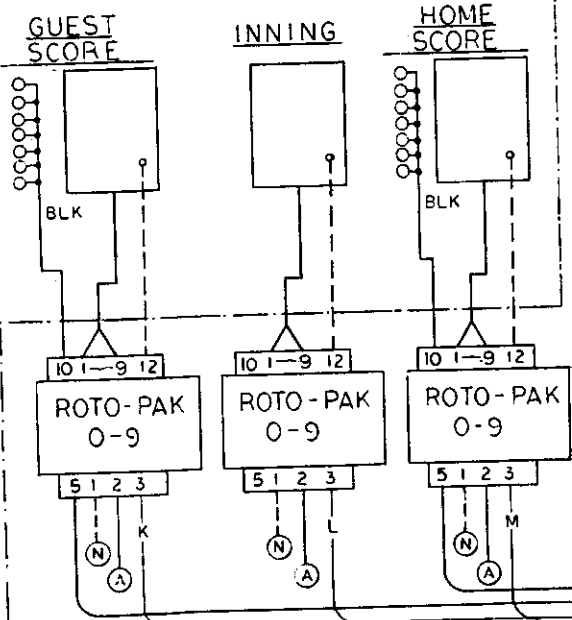
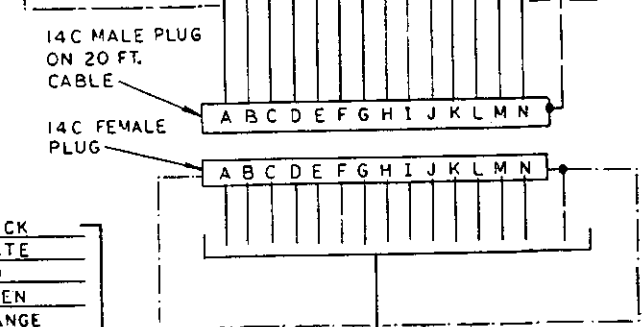
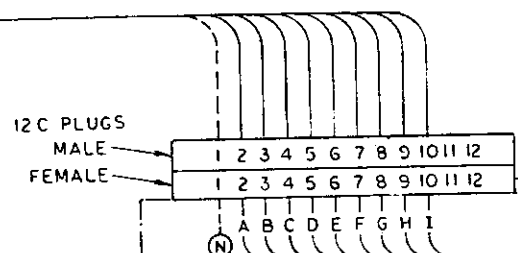
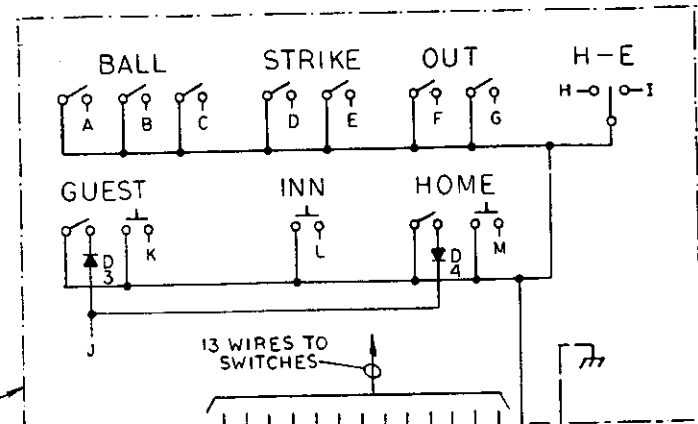
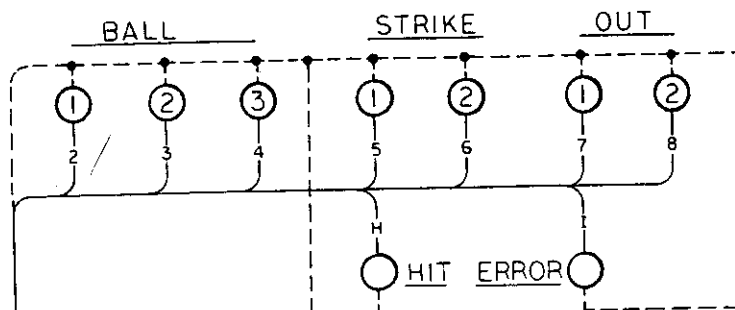
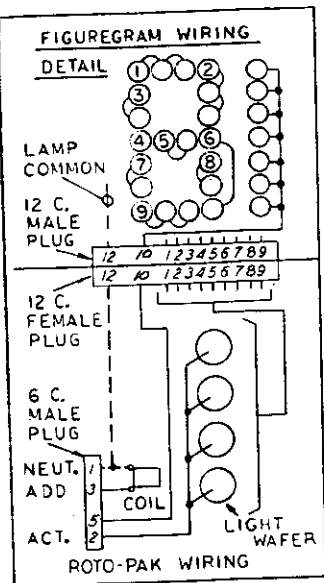
25 WATT CLEAR LAMPS IN BULBSEYES.



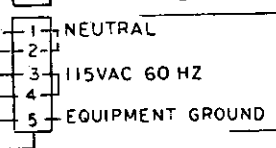
120 V.A.C., 12 AMPS.
CONNECT POWER HERE FOR
MODEL BB-100R.
USE MINIMUM 14 AWG WIRE.

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[illegible]



- CONTROL COLOR CODE FOR JUNCTION BOX & CONSOLE**
- BLACK
 - WHITE
 - RED
 - GREEN
 - ORANGE
 - BLUE
 - WHITE/BLK
 - RED/BLK
 - GREEN/BLK
 - ORANGE/BLK
 - BLUE/BLK
 - BLACK/WHT
 - RED/WHT
 - GREEN/WHT
 - BLUE/WHT



TO CIRCUITS MARKED

COLLECTOR BOX

2. ROTO-PAKS ARE PART NO. BM0013.
NOTE: 1 ALL WIRING 18 GA UNLESS NOTED.

Q	Q	Q	ITEM	PART NO.	DESCRIPTION	MATERIAL	MAT'L SPEC.
ASSEMBLY			LIST OF MATERIAL				
NEXT ASSEMBLY			UNLESS OTHERWISE SPECIFIED				
			TOLERANCE AFTER MACHINING PART. DEC. APR.		SURFACE FINISH FROM SHIP TO EXPOSED		
			MATERIAL	DRAWN E.R.	DATE 3-19-70		
			FINISH	CHECKED			
				DRAFT SUPV.			
				DESIGN ENGR.			
				RELEASE			
BB-500 WIRING DIAGRAM						GIC general indicator corporation	
DRAWING NO. C-12199						SHEET	