MONATO GP

STAND MODEL

MANUFACTURED BY



MANUAL PART NO. 420.0445

OWNER'S MANUAL

MONACO GP

Stand Model

Gremlin'/SEGA

MONACO GP Game Description:

When the coins are deposited, the player's red car appears in the lower right corner of the screen. Drive the car using the steering wheel and accelerator pedal, avoiding collisions with the computer cars. Game time is set to a count of 90.

Player goes into extended play when he reaches a score of 2000 points. In extended play, the player wins an extra car; and, one extra car is awarded after every additional 2000 points. The game becomes more difficult after a score of 6000 points. The player's car speeds up and, at 8000 points, the computer cars speed up.

The game's front panel displays your score and the top 5 high scores. Also, each player is given a ranking out of the total numbers of players to date.

Adjustments and Options:

There are 2 game options, located on the #96577A main logic board:

- 1. VR1- trim pot- adjusts game time
- 2. SW1- slide switch- selects either 1 or 2 plays per coin.

NOTE: On the sound board (#96598) there are 7 trim pots: These are for adjusting the FANFARE sound. They are pre-set by the factory.

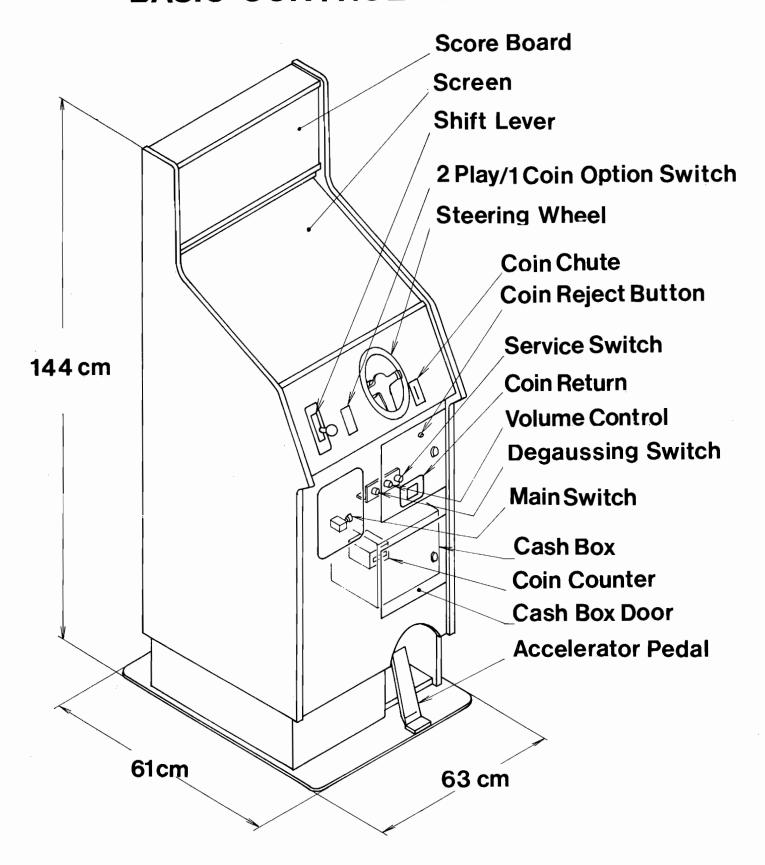
Also on this board are 2 switches, SW1 and SW2. SW1 should be set so that positions 1,2, and 3 are OFF. Position 4 should be ON.

Switch SW2 should be set to positions 1 and 2 OFF.

Descriptions and Part Numbers of MONACO GP logic boards:

Logic board	Part Number Stamped on Board
Main logic, A	96577-P
Main logic, B	96578-P
Sound (Oscillator)	96598-P
Display board	96597-P
Display board	MO-4202
Accelerator board	96599-P
Edge connector board	96620-P
Edge connector board	96624-P

BASIC CONTROLS & DIMENSIONS



HELPFUL HINTS

DEGAUSSING THE CRT

Sometimes changing the location, or direction of the machine will cause a color change in the CRT. If this occurs, depress the DEGAUSSING SWITCH to correct.

DISASSEMBLING THE POWER UNIT

The power unit, located on the bottom of the unit, can be removed by unscrewing the three (3) butterfly (M5) bolts; and, disconnecting it from the rail before lifting out.

DISASSEMBLING THE STEERING UNIT

Remove the connecting plug and unhook the side hooks on each side of the unit. The steering unit will come out with the front panel.

REMOVING THE TV MONITOR

Remove the front panel and front glass. Loosen the four (4) mounting screws and remove all conections very carefully. The monitor is ready to pull out.

RESETTING THE SYSTEM

Occasionally, the signals will not reset when powering up. If this occurs, turn the power on/off a few times to reset the signal to the monitor.

Always replace any fuse with the proper

FUSE REPLACEMENT

Always replace any fuse with the proper replacement of the same identical value.

2 PLAY/1 COIN OPTION

Remove the Front Panel Cover Plate and replace Panel Switch with MO-0019 (Instruction & Switch Assy).

Reconnect harness following wiring diagram.

Drill a 1.5mm hole **over** the old hole on the Denominational Plate. Add new plate

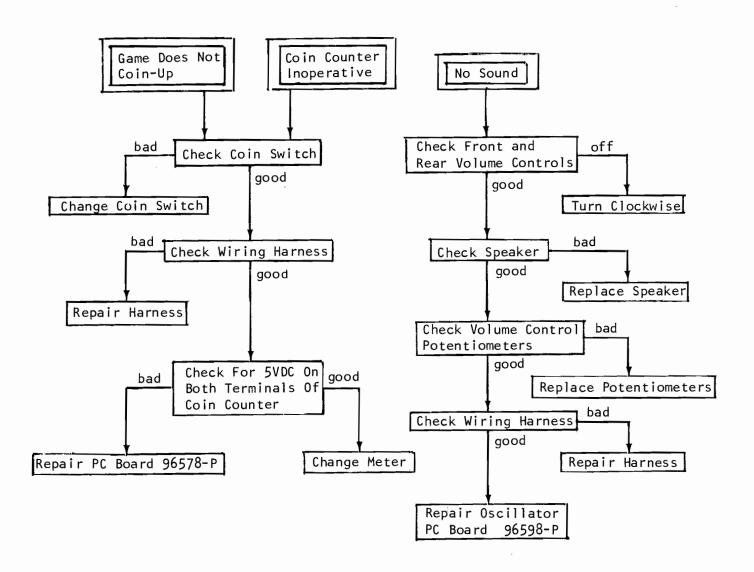
HELPFUL HINTS (cont.)

2 PLAY/1 COIN OPTION (cont.)

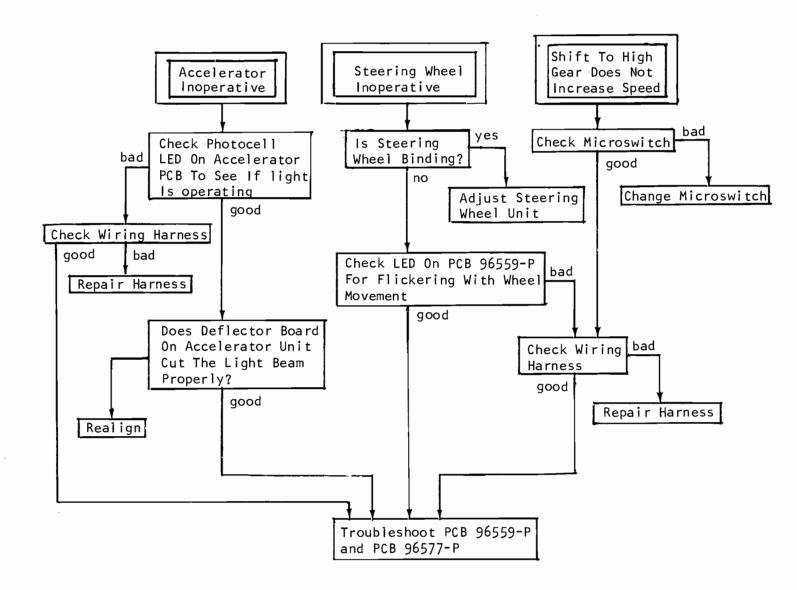
(177-013) with Parker Screws 1.5 \times 4.5, as supplied.

Set switch position to 2 PLAY on main PCB 96577-P.

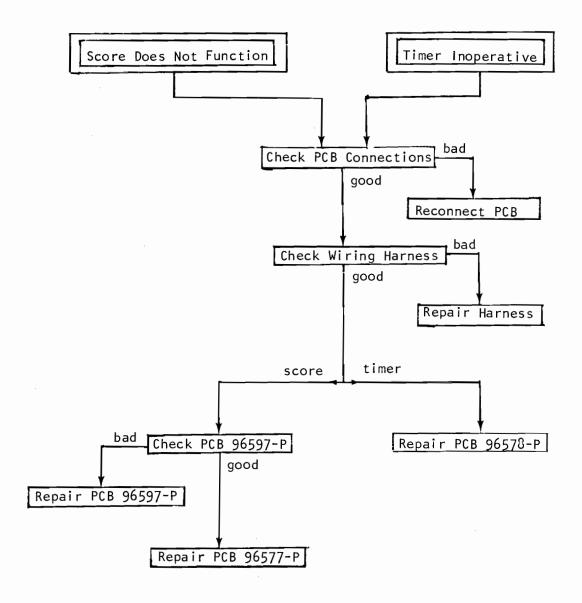
TROUBLESHOOTING
CHART 1



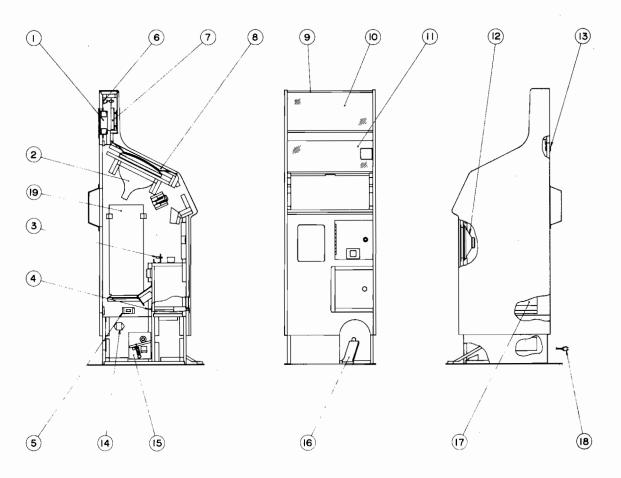
TROUBLESHOOTING CHART 2



TROUBLESHOOTING CHART 3

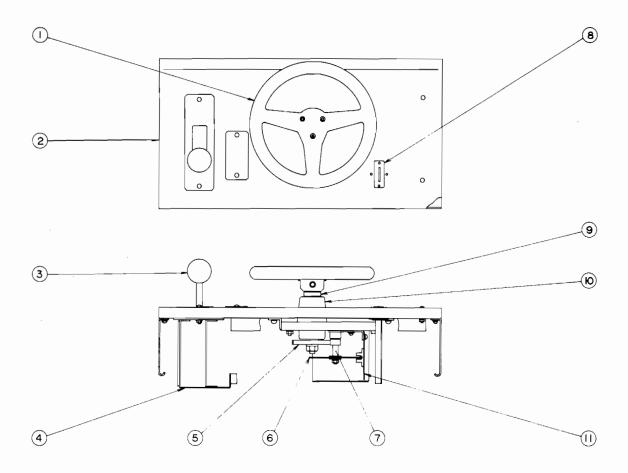


CABINET ACCESSORY ASSY



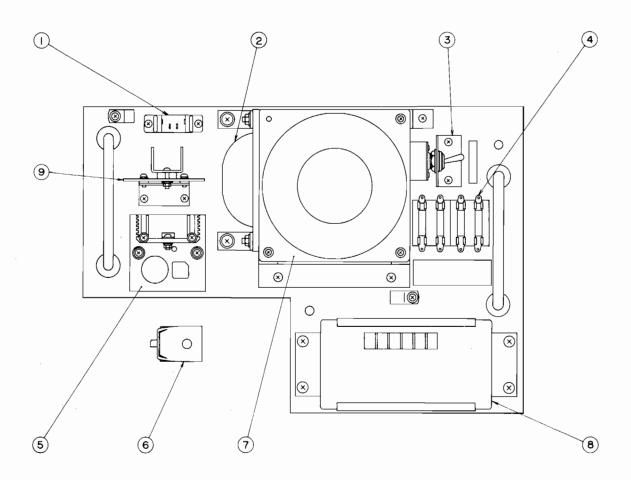
Iter	n Part No.	Description
1	S-96626	Axial Flow Fan, AC100V
2	CI-20006	Color Display Assy, 14H, 90
3	S-96477	Push Button Switch, 2T.
	S-93157	Volume Control, B-25KΩ
4	S-91654	Rectifier, Silicon Diode
5 6	S-90834	Switch, Push Button Type
6	S-94428	Bulb, 6.3V, 0.25A
7	MO-42001	Score Board Assy
	S-96600	L.E.D., Numeric Display, Red
	S-96679	L.E.D., Numeric Display,
	DO 4004	2 Digit, Red
8 9	DO-1021 MO-1032	Color TV Mask, 14 Ornament Frame
10	MO-1032 MO-1033	Top Glass
11	MO-1033	Front Glass
• • •	MO-1060	Play Instructions Plate
12	S-91359X	Speaker, 187x130mm, 8Ω
13	LS-1064	Ace Cylinder Lock, L.S. Type
14	S-96634	Noise Filter, AC 250V, 4A
15	MO-1016	Accelerator Pedal Assy
	PC-1206	Photocoupler Unit, A
	PC-1207	Photocoupler Unit, B
	SG-1112	Accelerator Pedal Shaft
	GP-1040	Shoulder Screw
	GP-1042	Extension Spring
	FL-3031	Extension Spring
	DH-3318	Shoulder Screw
16	S-80807	Accelerator Pedal
17	96577-P	IC Board Assy, Monaco GP, A
	96578-P	IC Board Assy, Monaco GP, B
10	96598-P	Oscillator, Monaco GP
18 19	90759X	Cable & Plug Assy
19	96597-P	Score Display IC Board Assy

CONTROL PANEL ASSY



	Item	Part No.	Description
-	1 2 3 4 5 6 7 8 9	MO-2021 MO-2018 MP-1025 MO-2023 RR-1012 SH-3022 2P-11600 2P-11601 FC-2541 S-80216 S-91421 MO-2009 MO-2007 MO-2008 PT-0212 MO-2020 MO-2004	Steering Handle Front Panel Handle Ball, Red Transmission Assy Handle Assy Cam Assy Rubber Bumper Rubber Retainer Compression Spring Steel Ball, 10.3188¢ Switch, Micro Type Spur Gear, 60T Disc Spur Gear, 14T Coin Entry Plate, ¥100 Steering Wheel Shaft Housing
	11	96599-P	IC Board Assy, Monaco GP, C

POWER SUPPLY ASSY



Iter	n Part No.	Description
1	S-94441	Rectifier, Silicon Diode
2	96627	Power Transformer, 7V, 11V, 16V, 100-120V
3	S-96395	Switch Toggle, SP-DT, 15A
4	S-90644	Fuse, 2A
	S-91941	Fuse, 4A
	S-91151	Fuse, 8A
5	MO-4002	Regulator Unit, DC12V, 20V
6	S-96262	AC Cord, Connector Body,
		Flat Type, 125V-15A
7	S-96626	Axial Flow Fan, AC100V
8	S-96638	Switching Regulator, AC100V,
9	BC-4603X	5V, 15A Power Amplifier, 5W

TV MONITOR ADJUSTMENTS

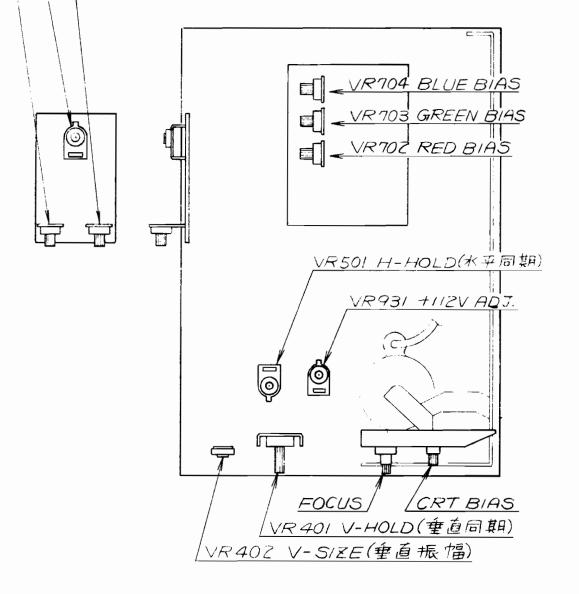
SUB-BRIGHT	R408	Monitor brightness
HORIZ WIDTH	L601 (CRT)	
VERT WIDTH	R517 (CRT)	
VERT POSITION	K502	Moves center to right
	K501	Center
	K503	Moves center to left
VERT HOLD	R515 (CRT)	
HORIZ HOLD	R616 (CRT)	
B+	R707	Adjustable from 90v to 105v
RED DRIVE	R807	
BLUE DRIVE	R809	
RED BIAS	R813	These three adjustments interact to balance
GREEN BIAS	R814	white and set halftones and gray balance.
BLUE BIAS	R815	Red and Blue Drive controls interact also.
SCREEN ADJUST	R824	Increases brightness and interacts with white balance. After white balance adjustments, the beam current setting (R301 dc voltage) must not exceed -7.0v.
FOCUS		Adjust each time brightness is altered.

カラー モニターの 調整 TV VOLUME ADJUSTMENT INSTRUCTIONS

VR463 UPPER PINCUSHION CONTROL(上側糸巻歪補正)

VR461 BOTH SIDE PINCUSHION CONTROL(両側糸巻歪補正)

VR462 LOWER PINCUSHION CONTROL(下側糸巻歪補正)

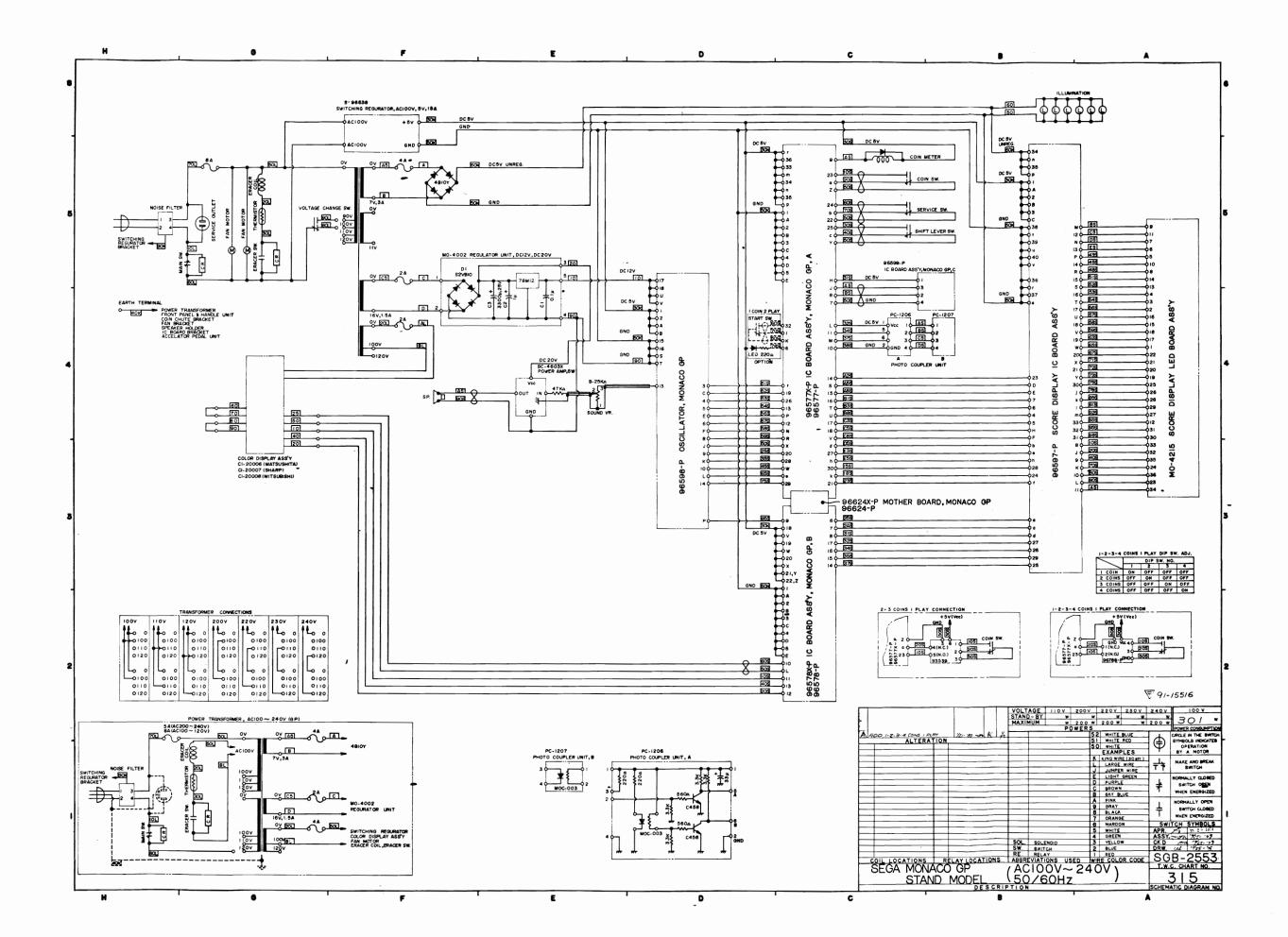


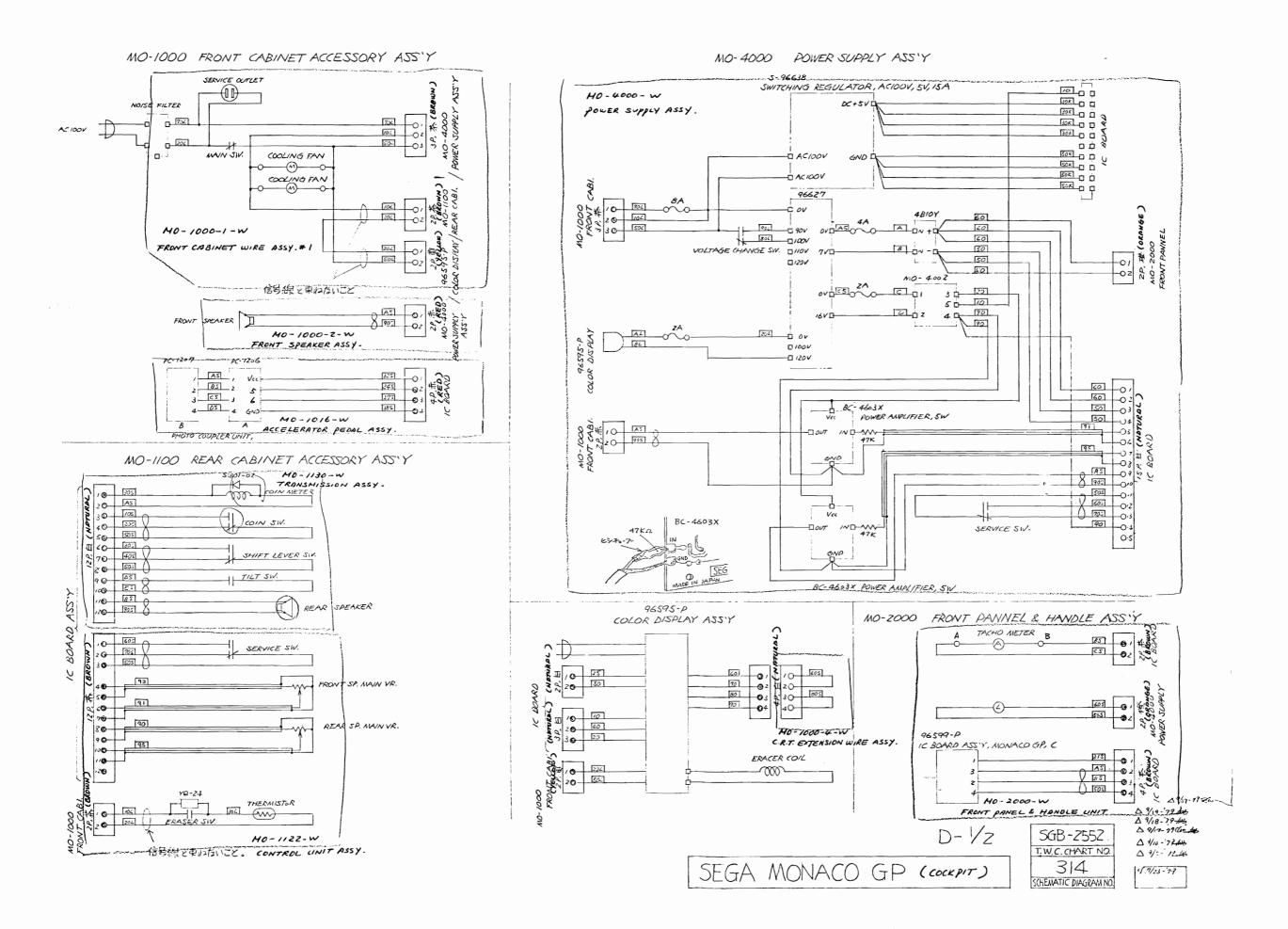
5-9659Z-P COLOR DISPLAY, 14H TYPE (MITSUBISHI 9190049-3)

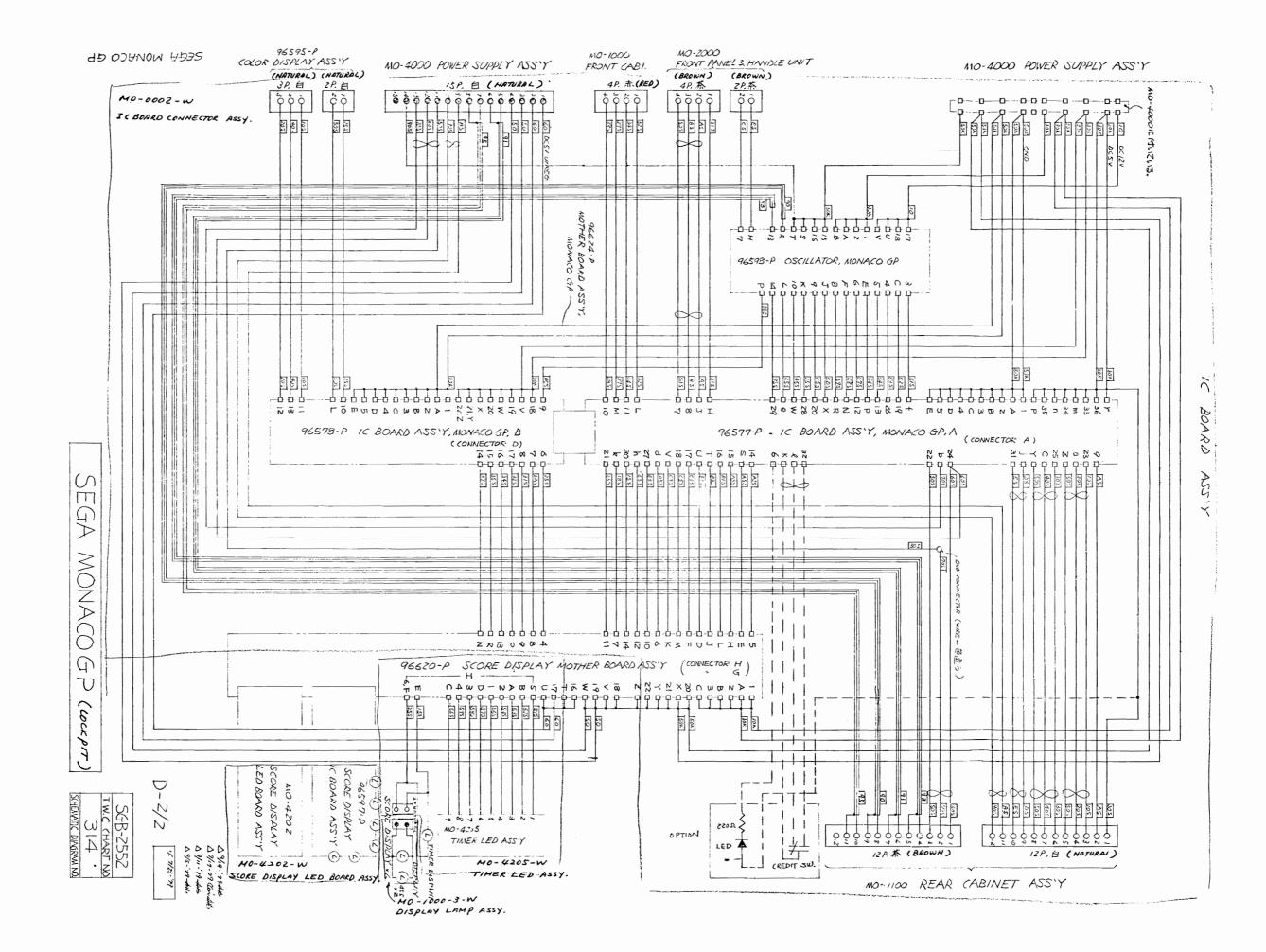
SEGH enterprises Ltd.

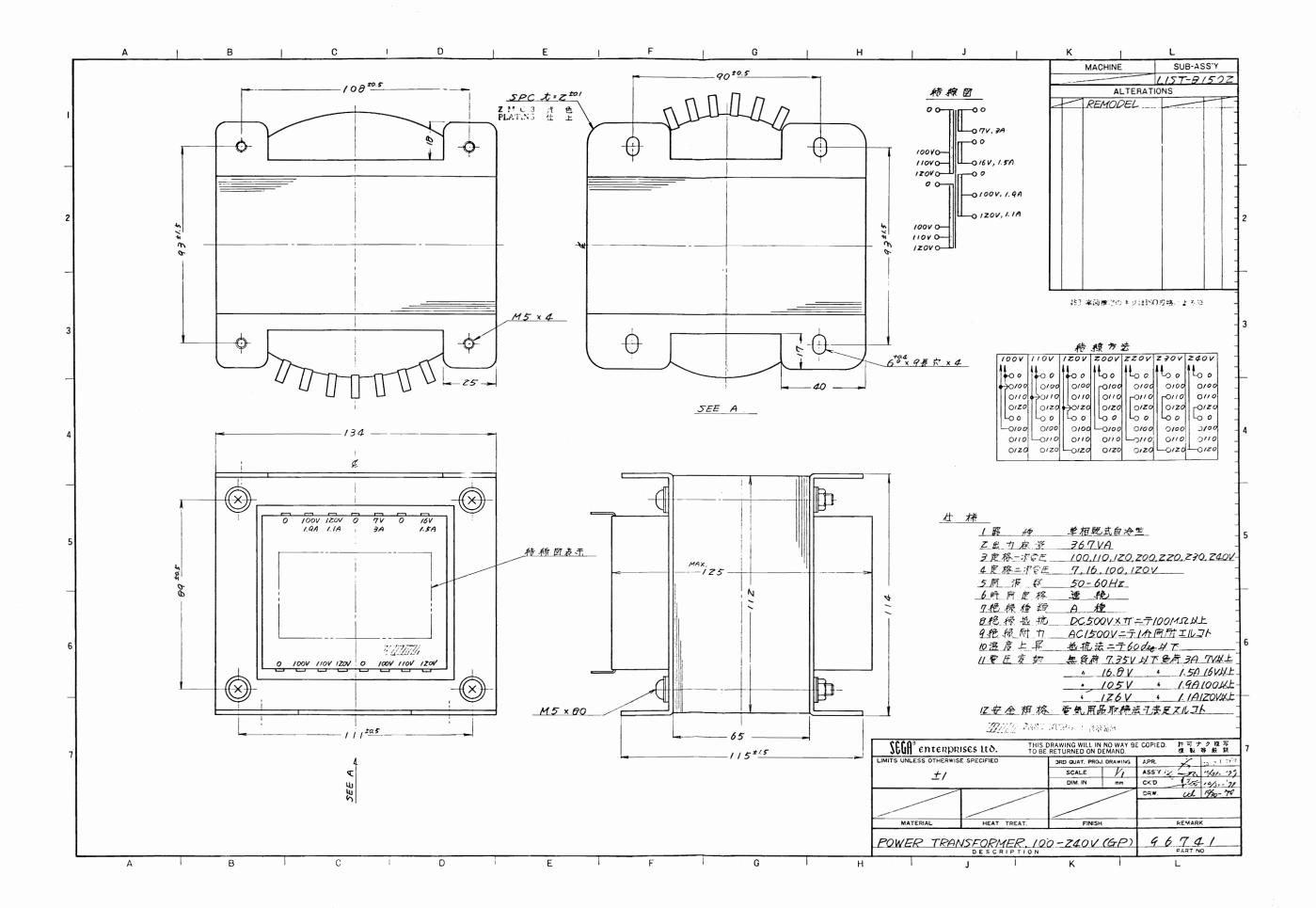
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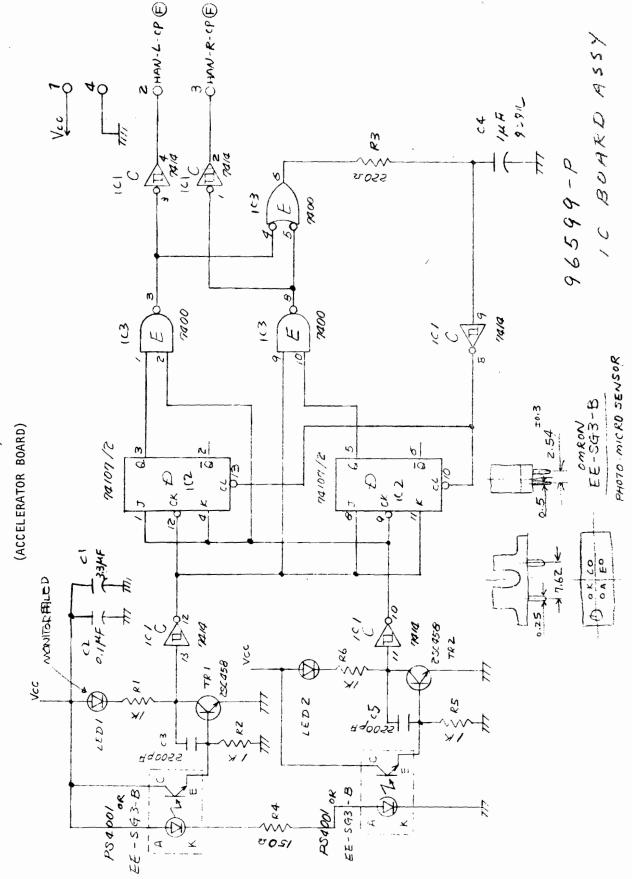
Ja 18-18:

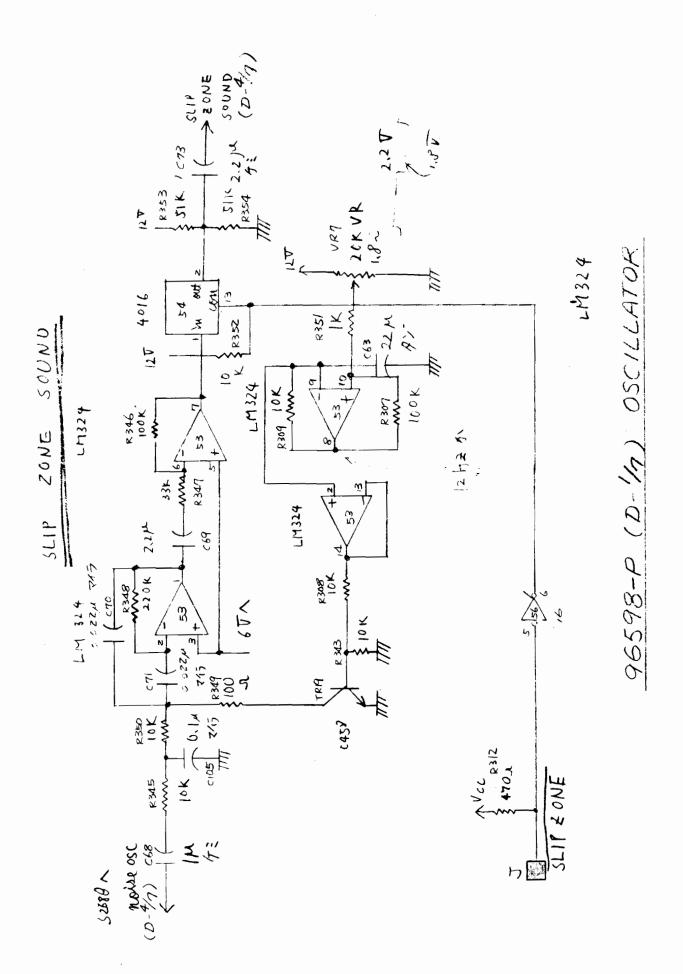


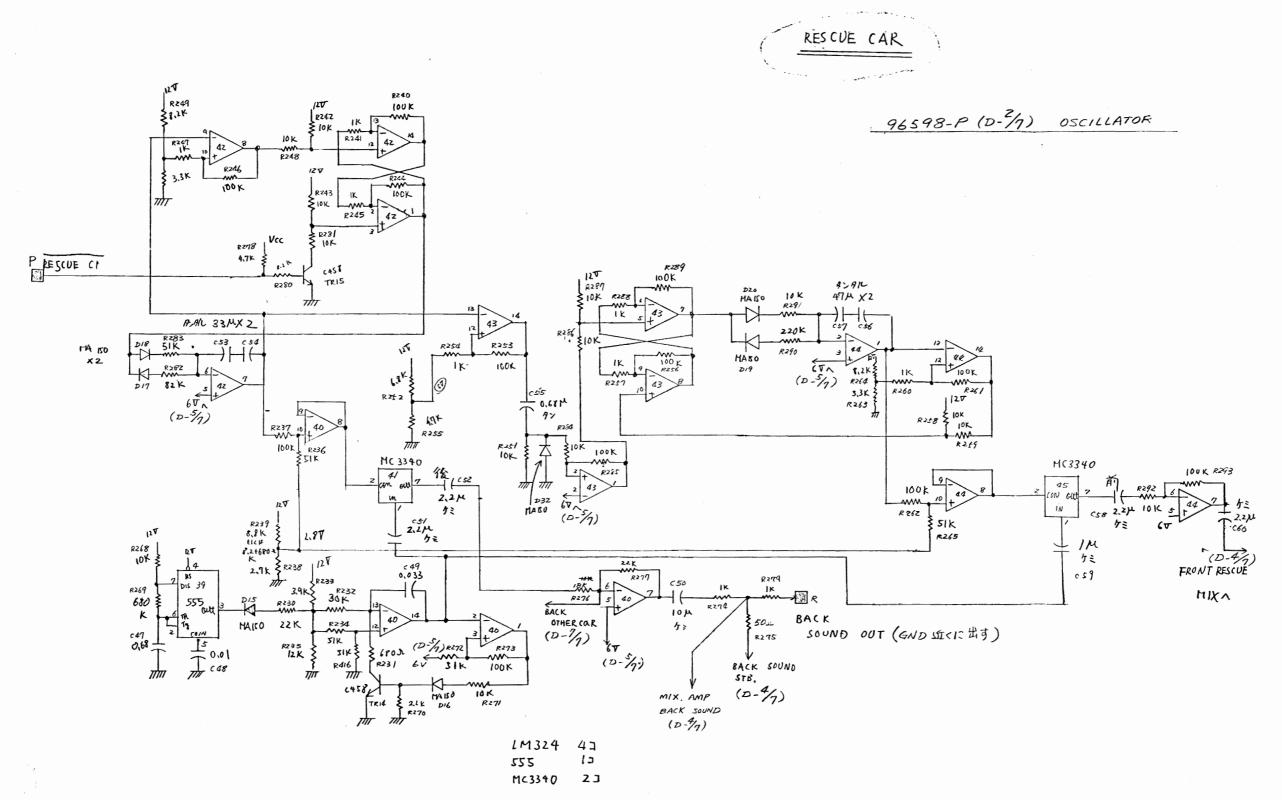


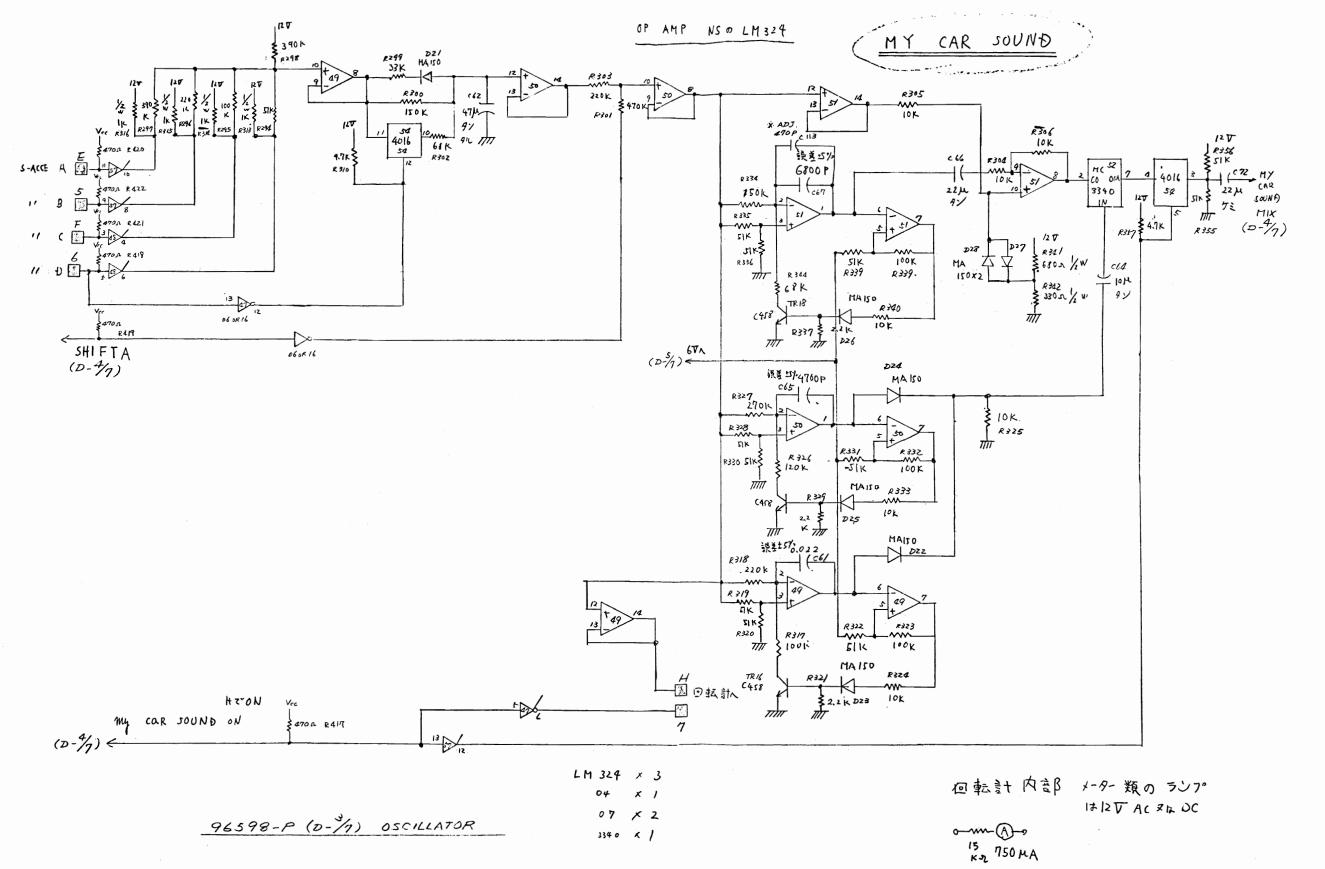


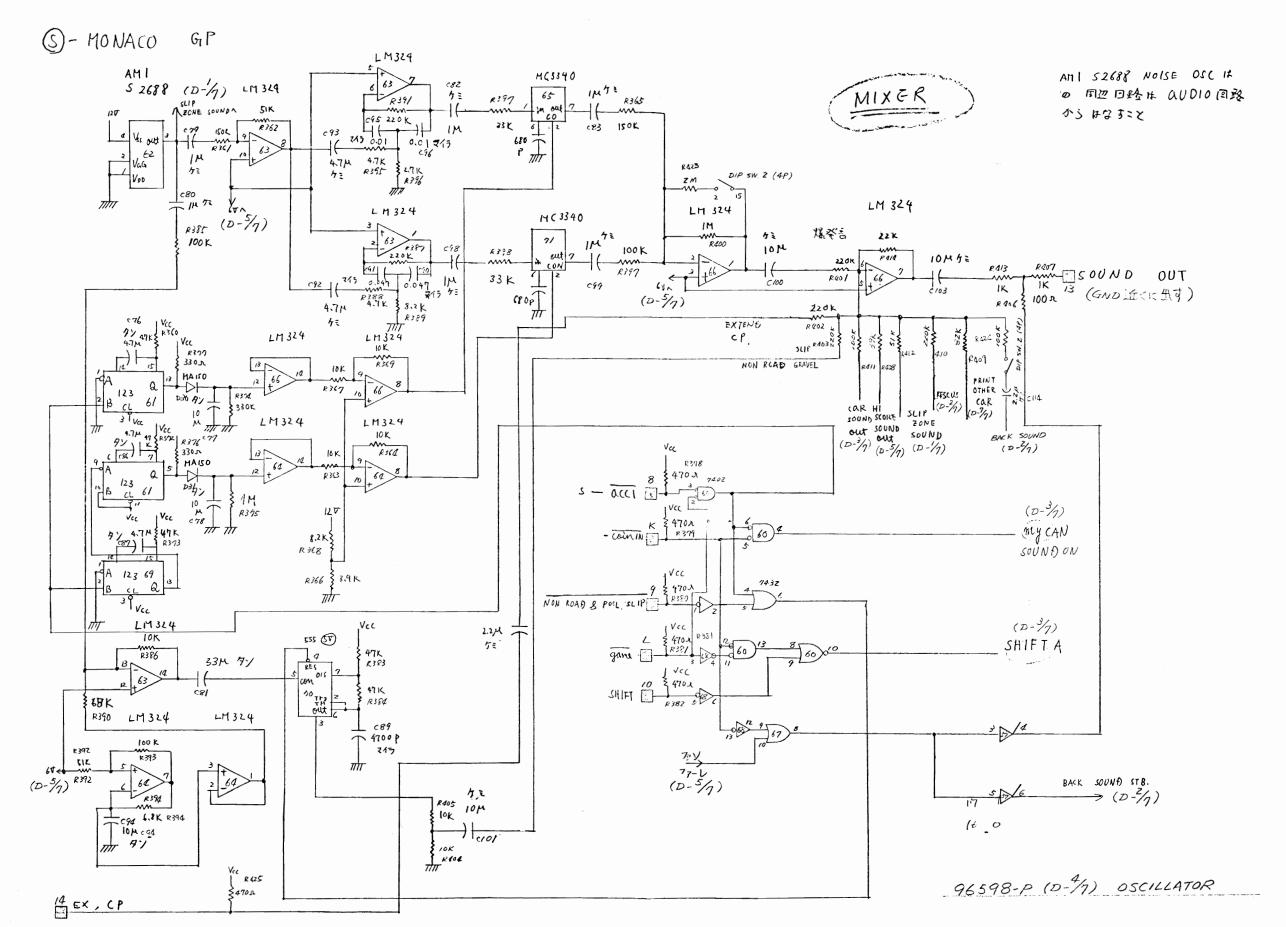


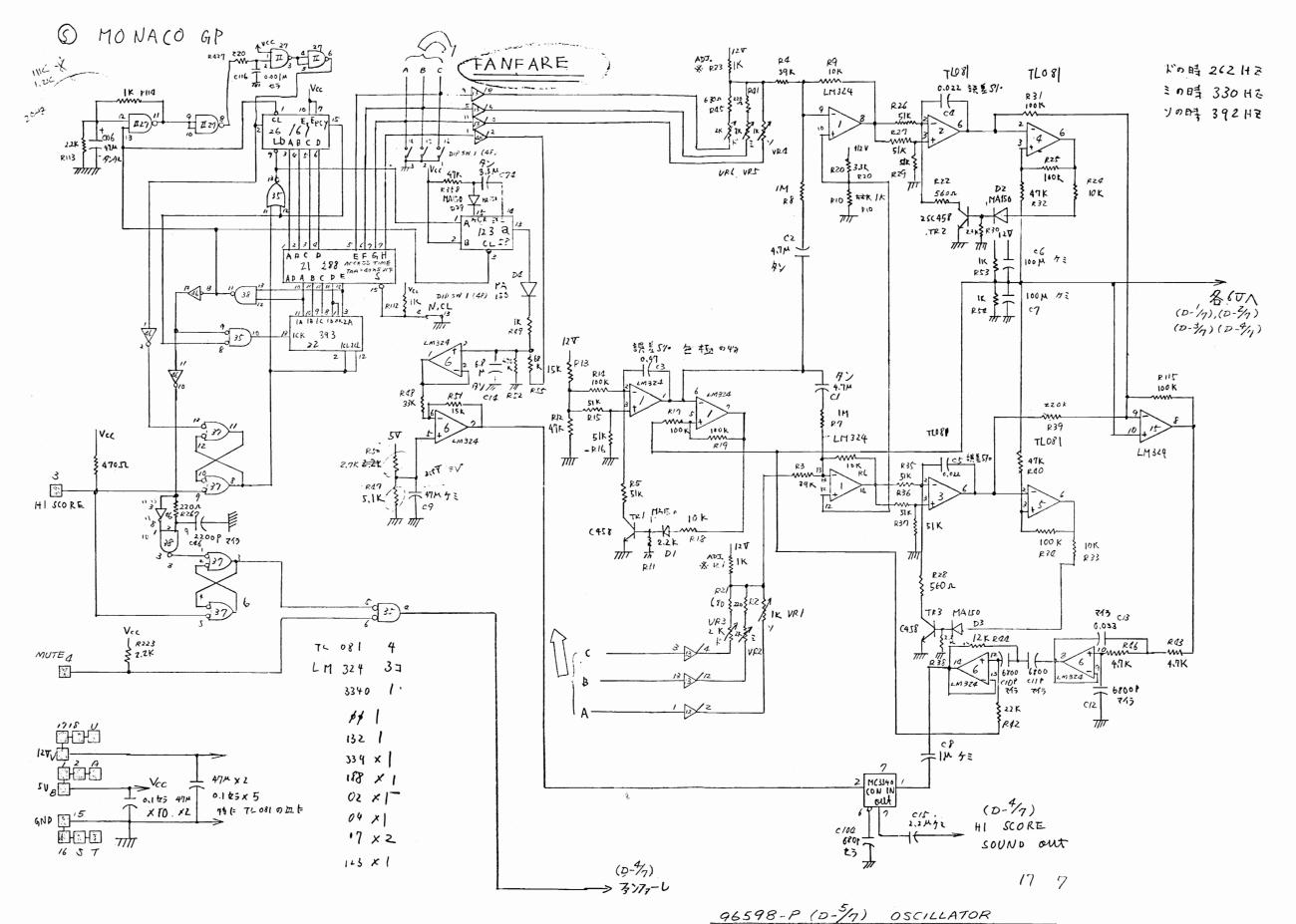


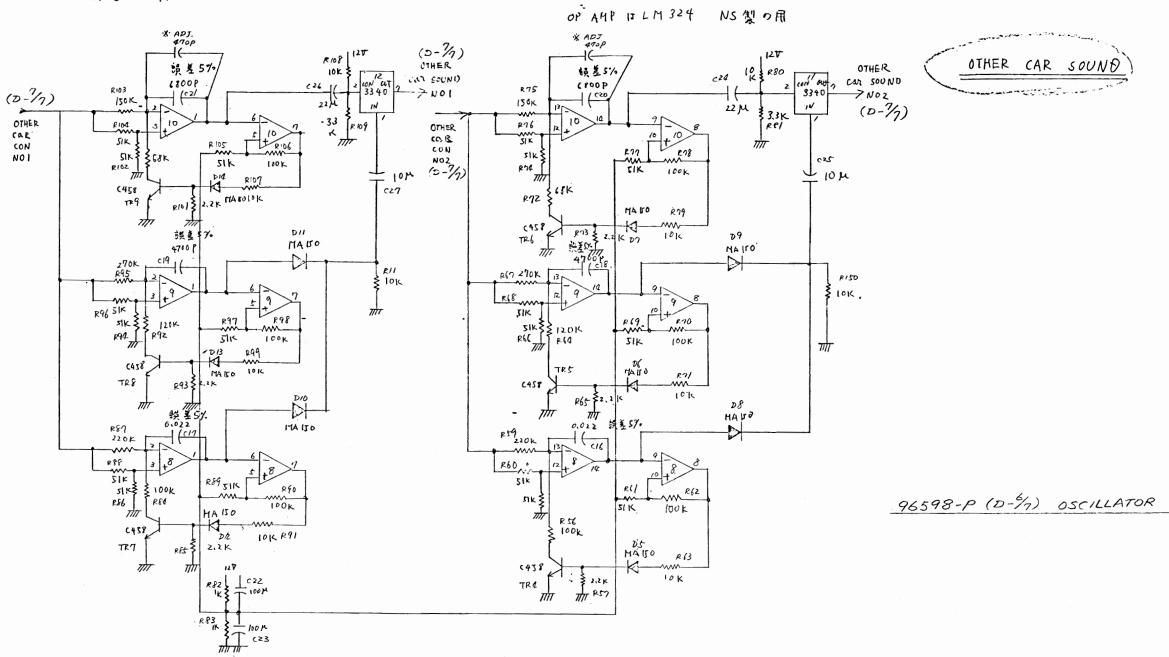












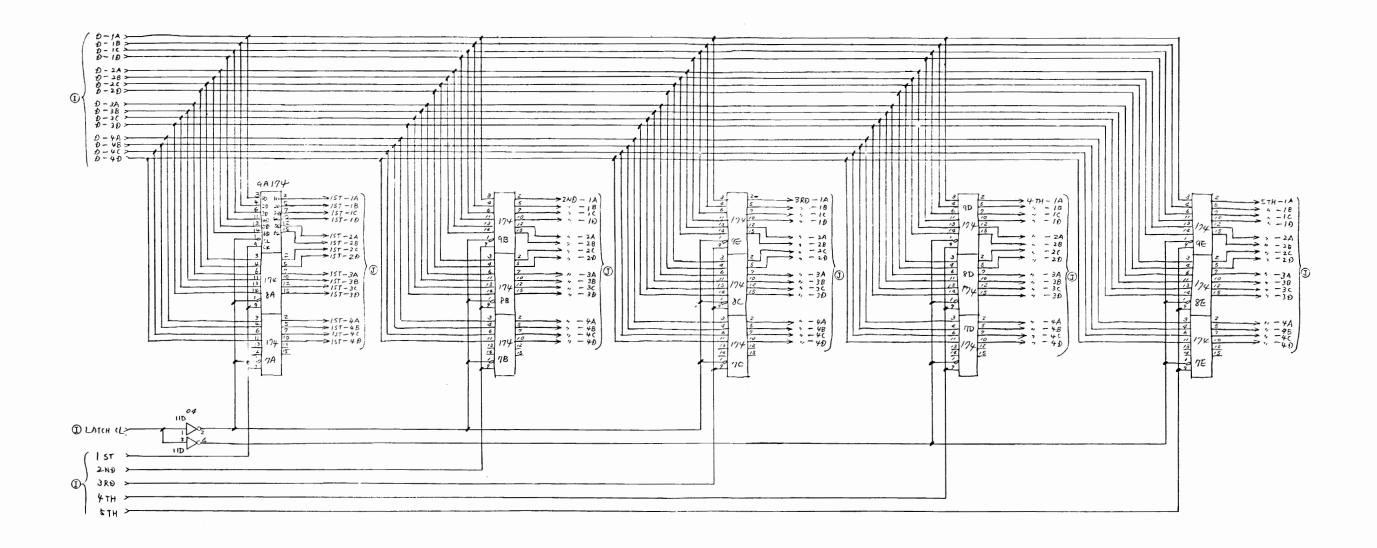
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LM 339

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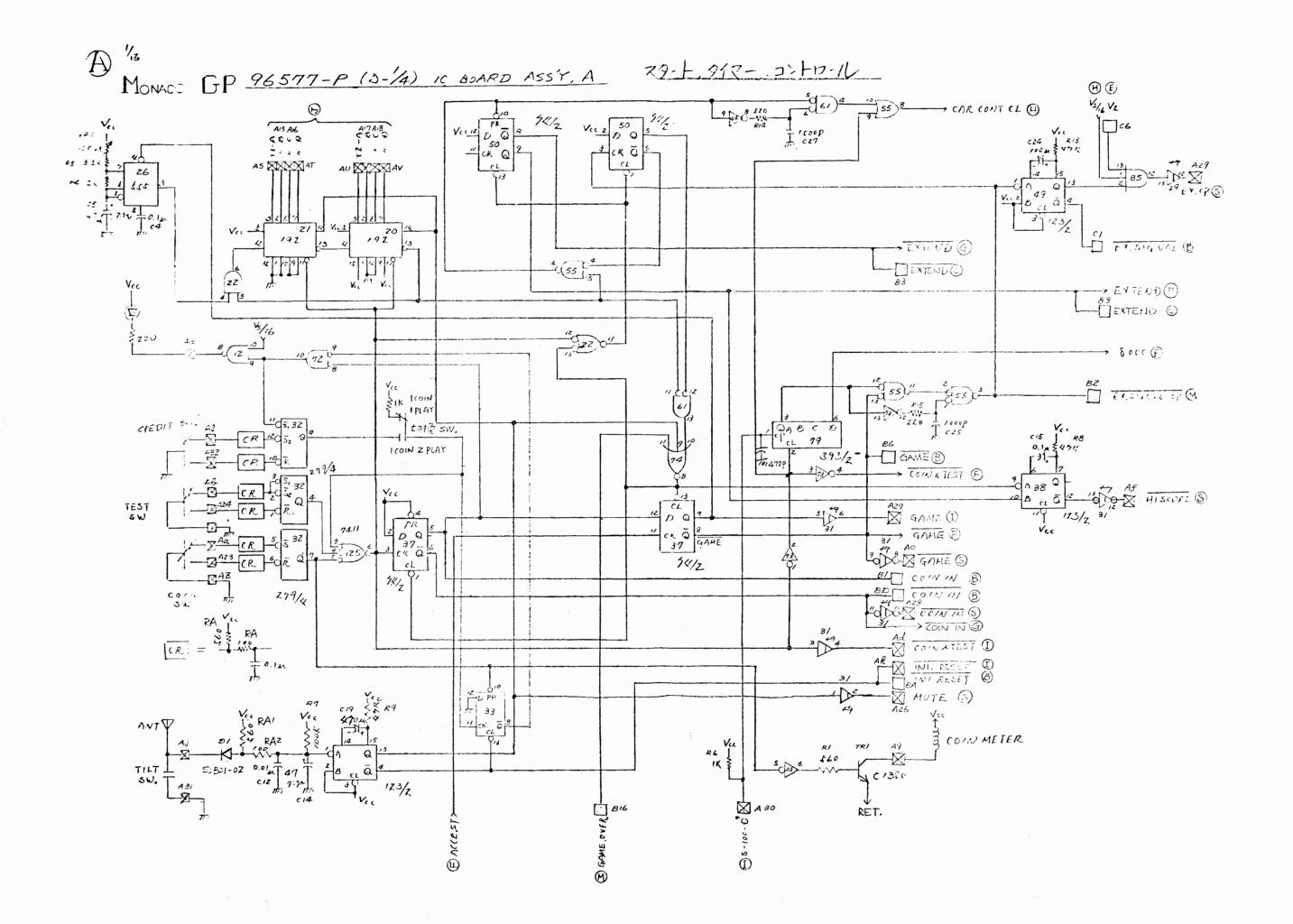
96597-P SCORE DISPLAY

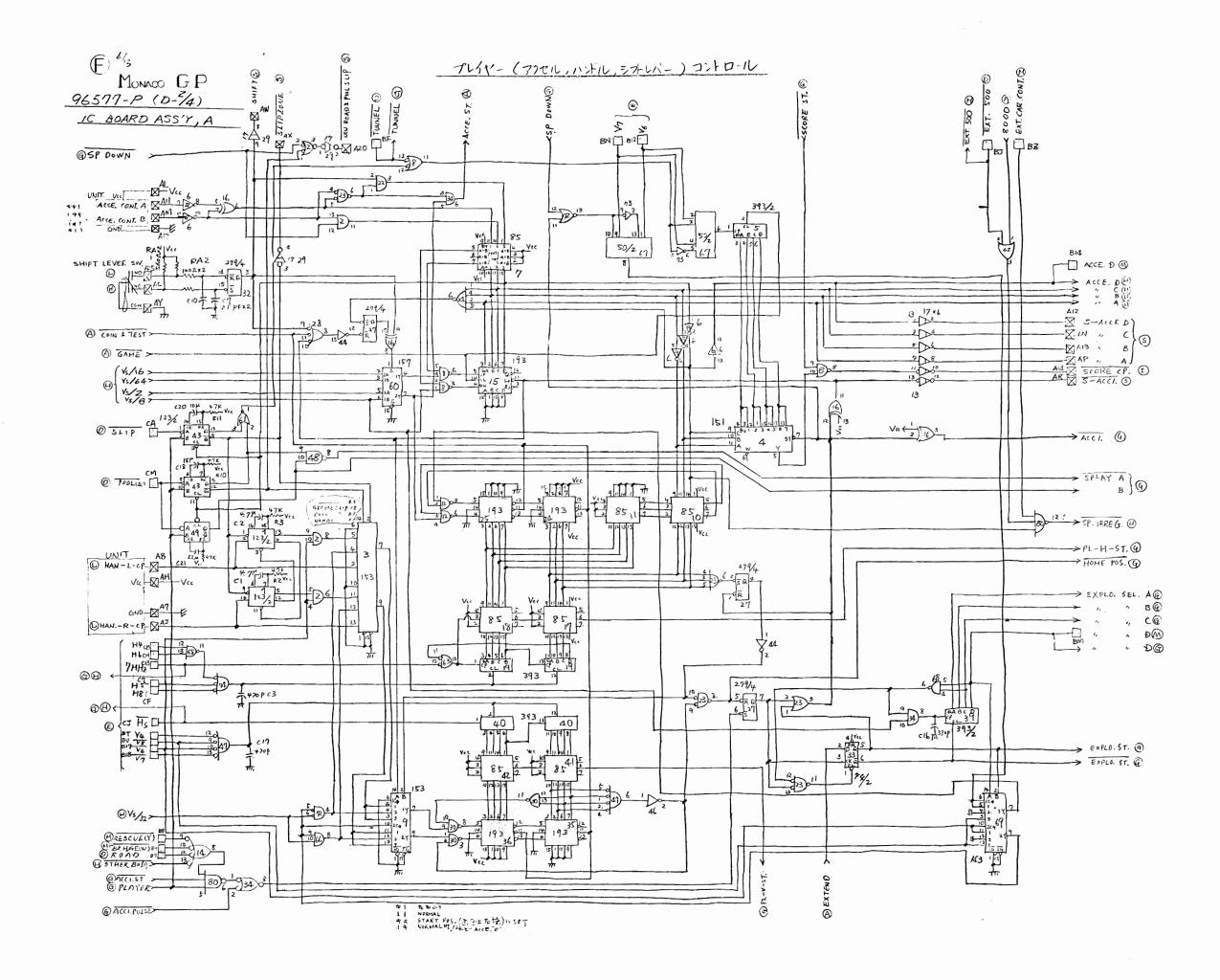
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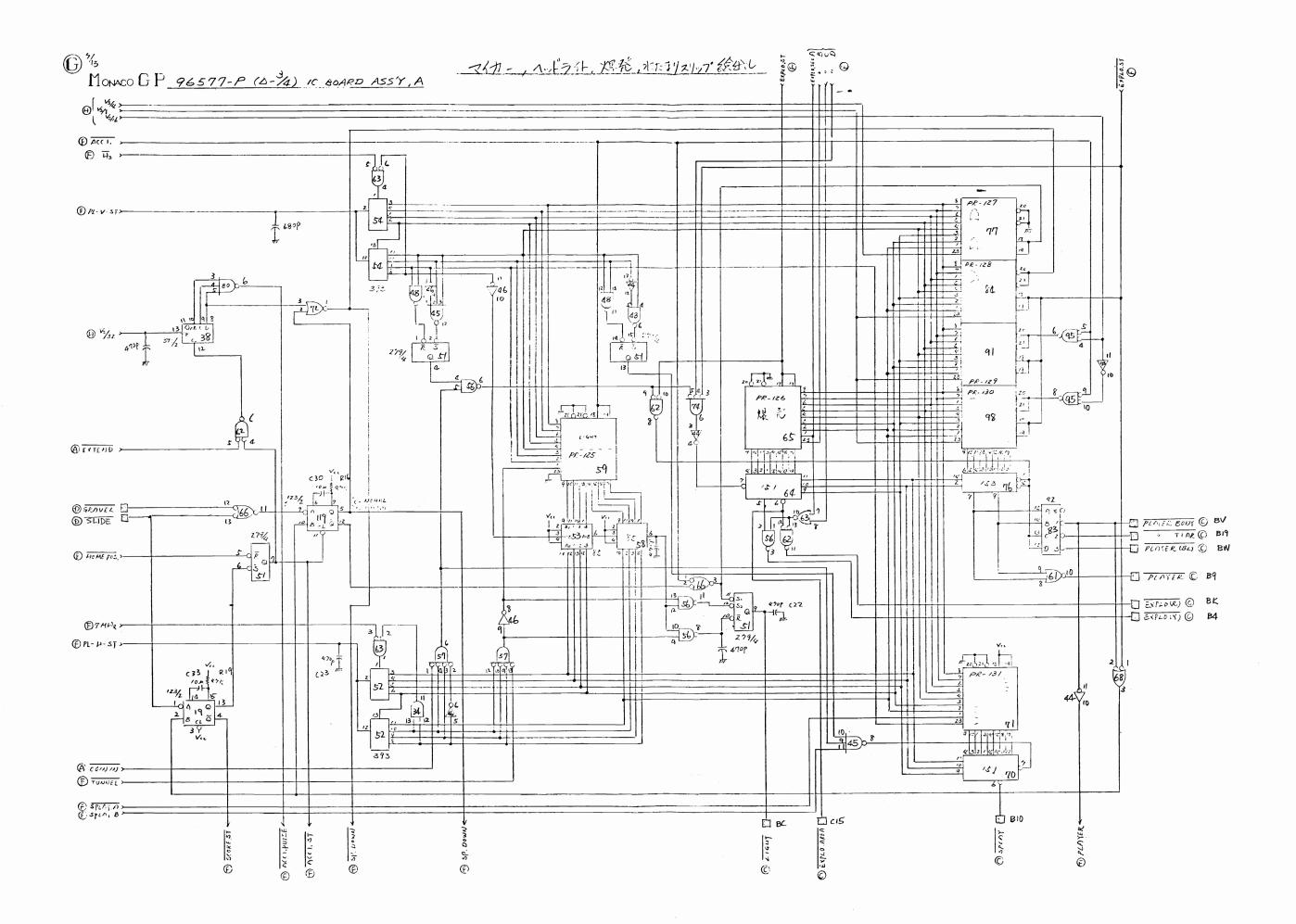


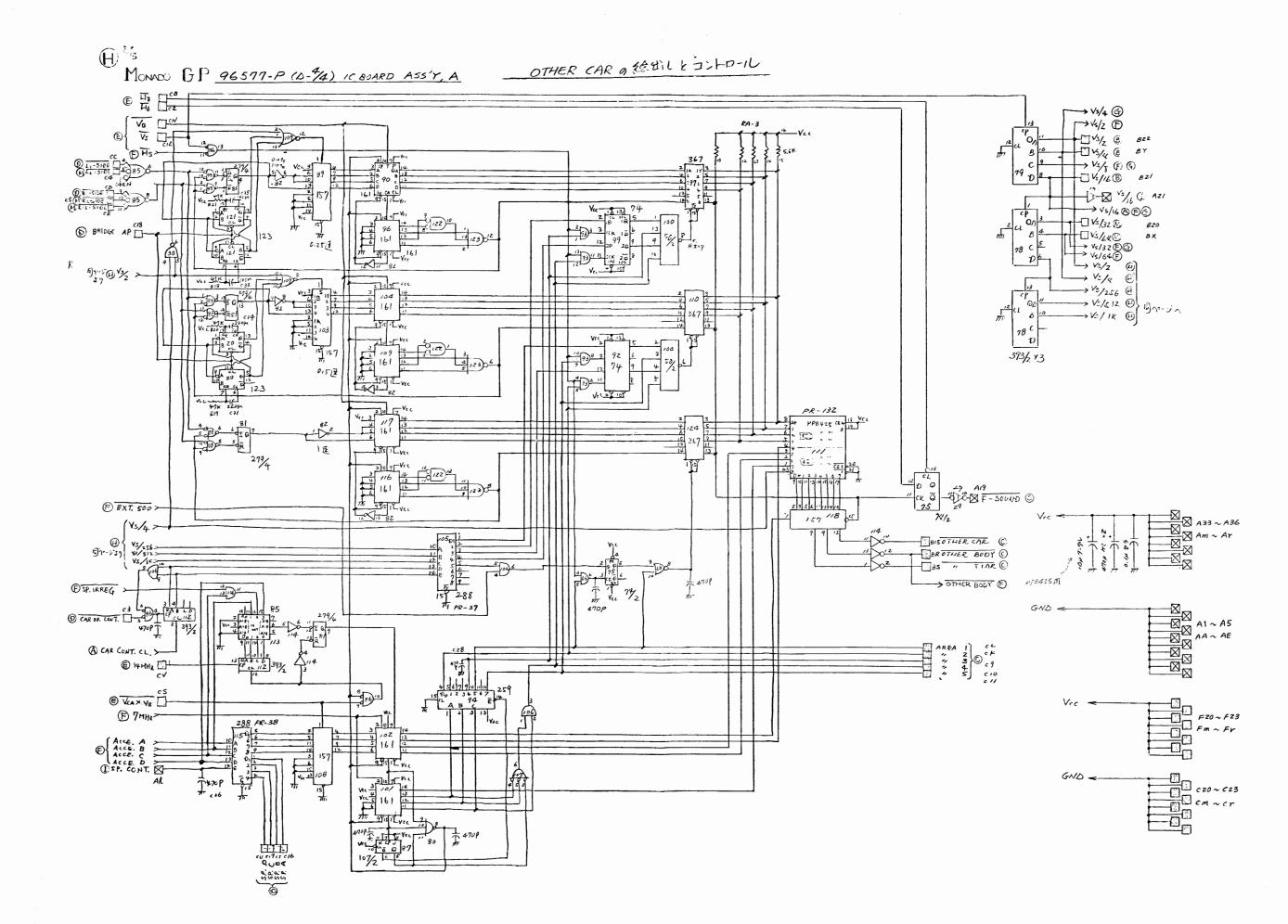
96597-P SCORE DISPLAY IC BOHRD HSS'Y.(D-3/3)

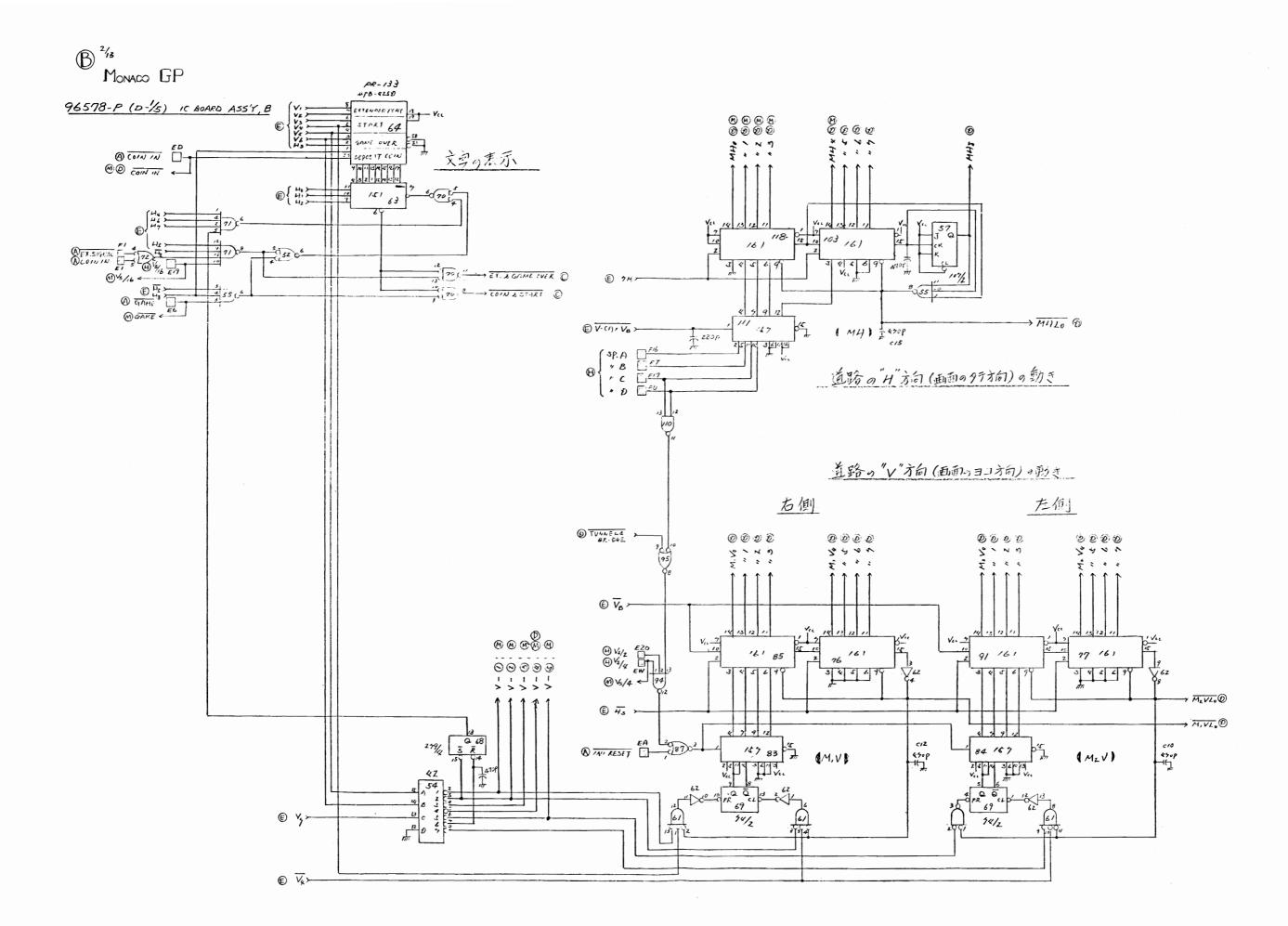
MONACO GP











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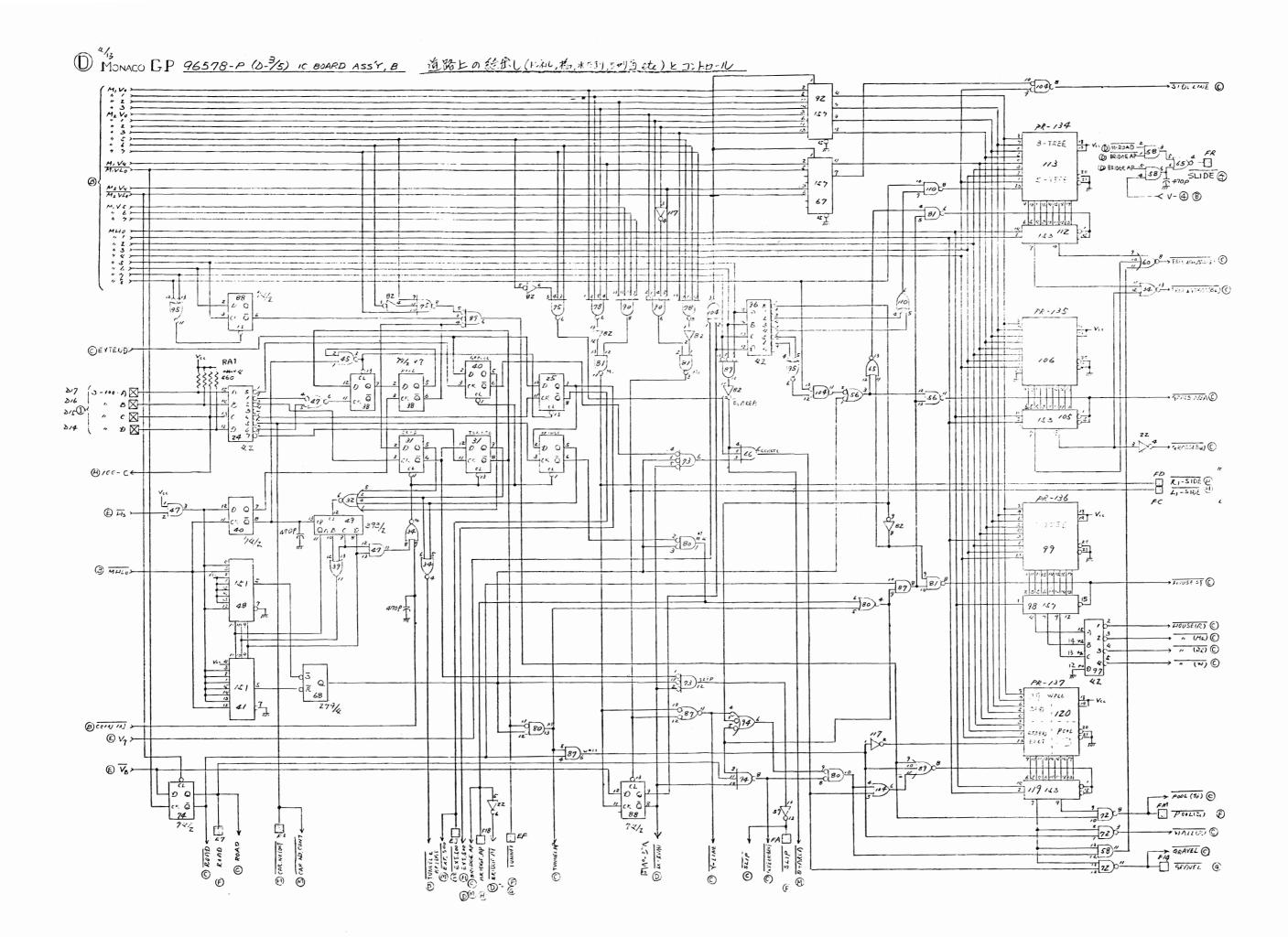
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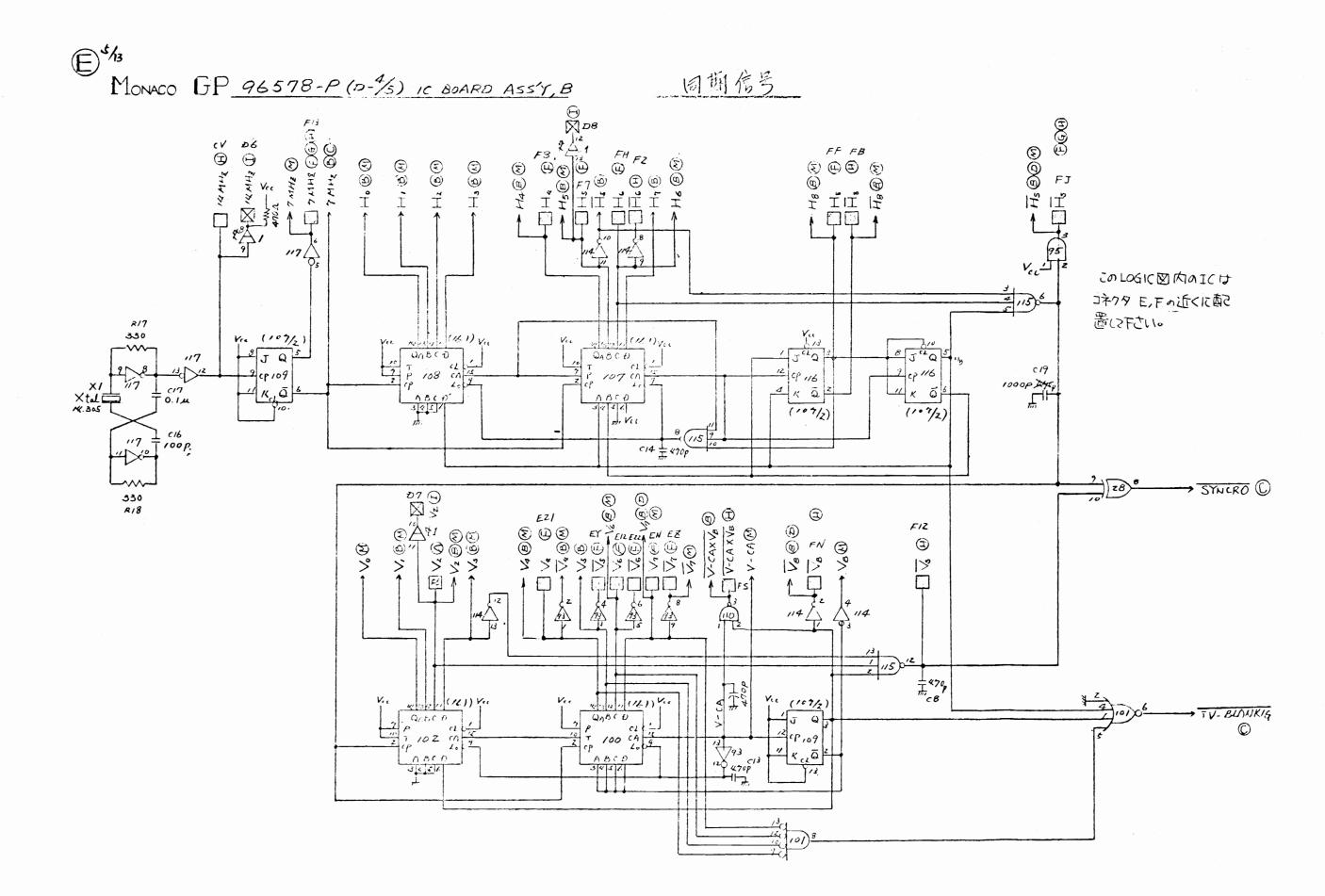
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