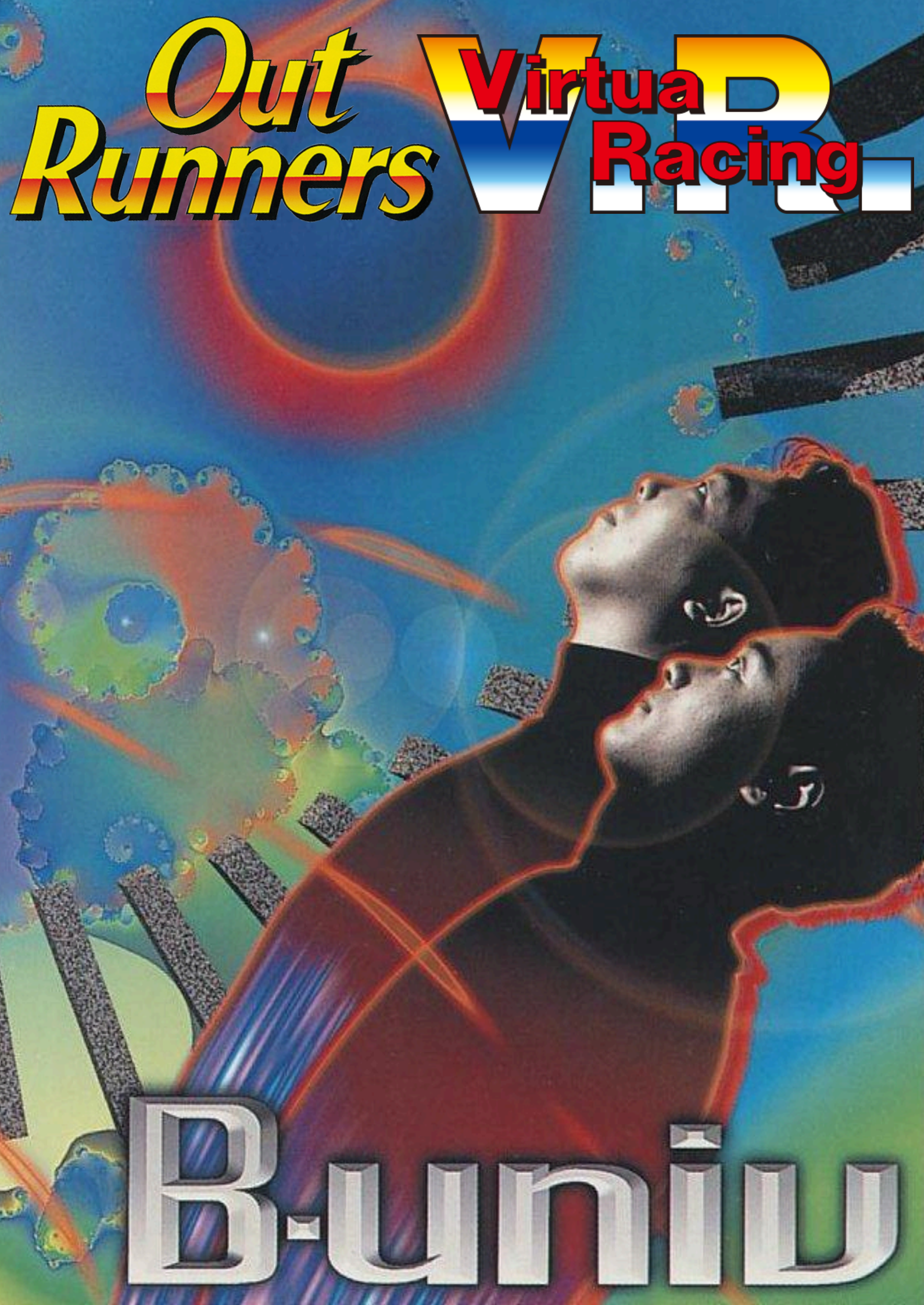




*Out
Runners*

**Virtua
Racing**

B-uniiu

THE
LOW POLY BEAUTY
AND THE
SUPER SCALING BEAST



2015

TEAMWORK RESCUE



SPEEDRUN.COM

Games ▾StreamsForumsMore... ▾

Search for games, users, etc



TheWizardWhoSaysNi

OUTRUNNERS (ARCADE) [1992]

OutRun series ▾Arcade

Leaderboards ▾NewsGuidesResourcesStreamsForumStatisticsBoosters

Following ▾

GAME STATS

BOOST

52270PLAYERSRUNSFOLLOWERSBOOSTS

Game Added2018-12-17

Total Run Time1:17:04

Players (Total / Active)5 / 0

Level Runs (Total / Recent)22 / 0

Guides / Resources0 / 0

INDIVIDUAL LEVELS

	Arcade	Emulator
Kenya Course	3m 38s 040ms  TheWizardWhoSaysNi	3m 25s 190ms  MAME_Retro_Avengers
Spain Course	3m 26s 550ms  poyomoss	3m 18s 150ms  MAME_Retro_Avengers

2018

OutRunners - Kenya Course - Wild Chaser - 3'38"04

Watch laterShare



MORE VIDEOS

Kenya Course: Arcade in 3m 38s 040ms by  TheWizardWhoSaysNi - 🏆 1st place

Game Difficulty: 5 (default)
Car: Wild Chaser - Green
Transmission: Manual

Notes:
Even the slowest car deserves some love ! What an adventure 😊

Getting to the finish line is already a good challenge in itself, I must say ...

But the max speed boost on borders is quite fun to use ! 😊

This is my first run submission on the game, this will be my first try at reviewing a run. Let's hope I'm doing it right !

Submitted by:
 TheWizardWhoSaysNi on 2018-12-18, 22:46

Played on:
Arcade on 2018-12-18

Verified by
 TheWizardWhoSaysNi on 2018-12-18, 22:53

OutRunners WildChaser Spain WR

Watch laterShare



MORE VIDEOS

Spain Course: Arcade in 3m 26s 550ms by  poyomoss - 🏆 1st place

Game Difficulty: 5 (default)
Car: Wild Chaser - Green
Transmission: Manual

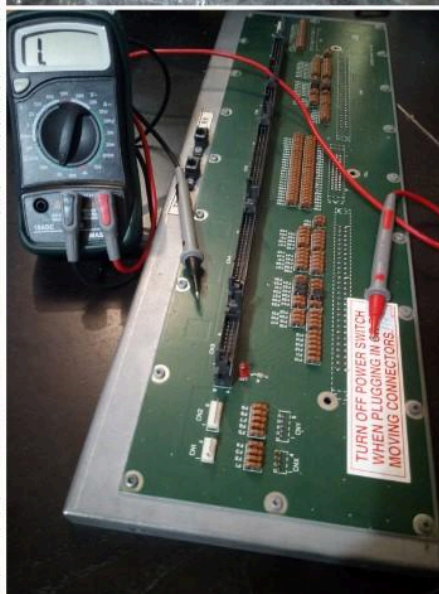
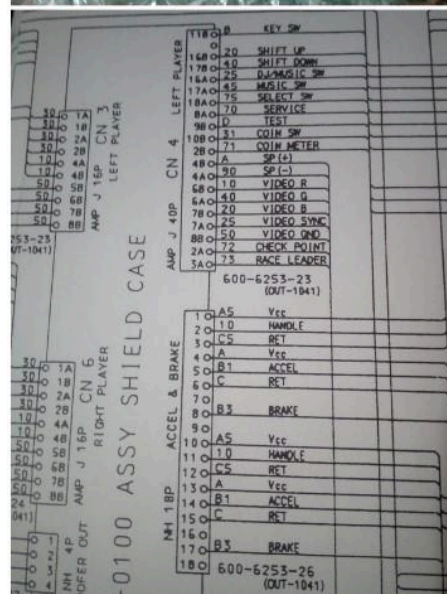
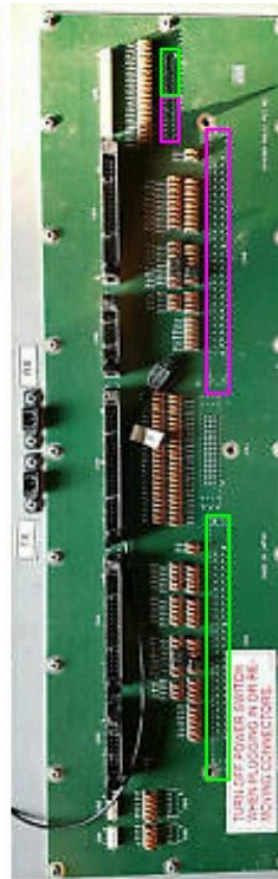
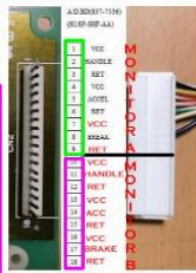
Submitted by:
 poyomoss on 2020-12-14, 14:44

Played on:
Arcade on 2020-12-14

Verified by
 TheWizardWhoSaysNi on 2020-12-14, 19:33

TIME ATTACK FUN

PRELIMINARY DOCUMENTING ...

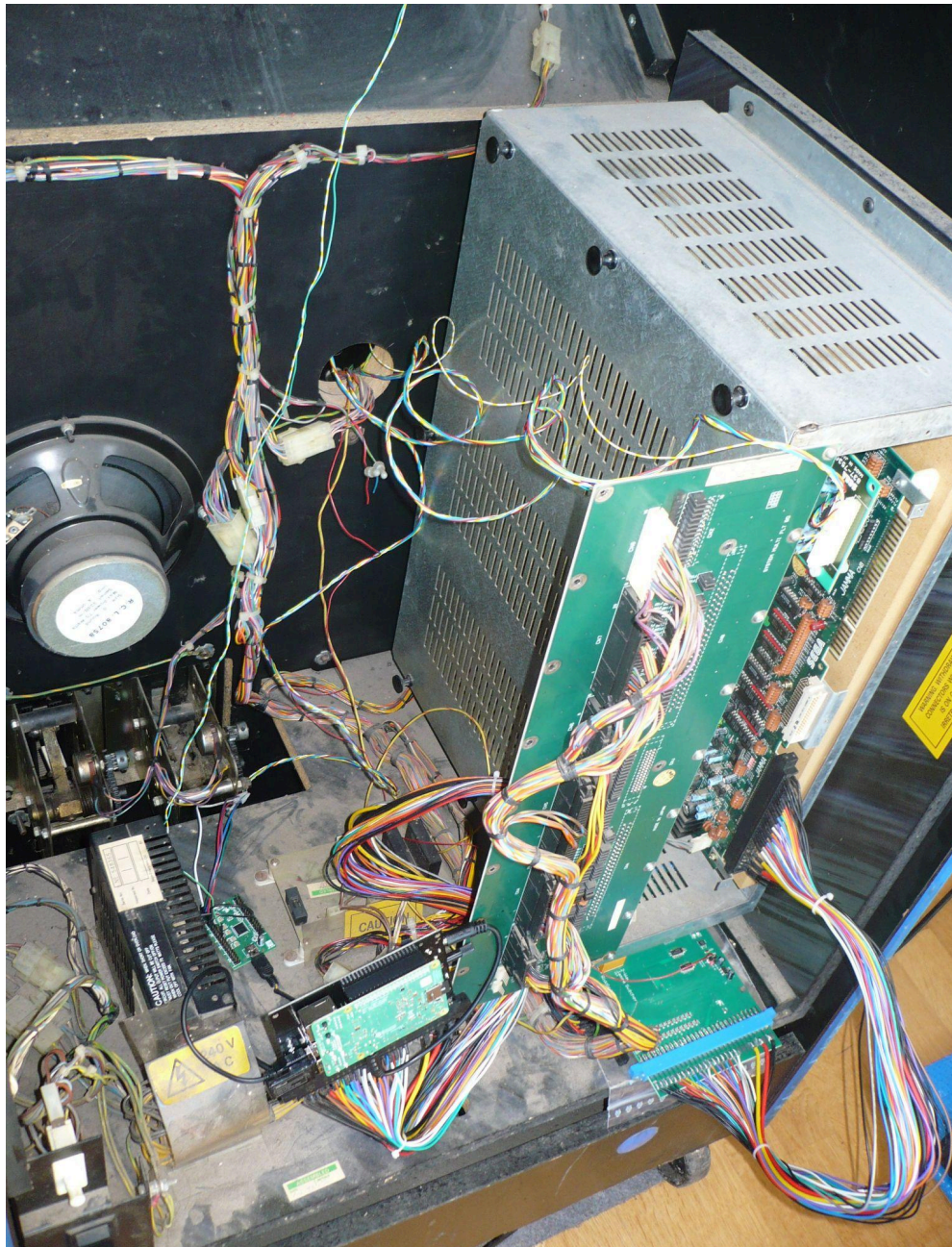
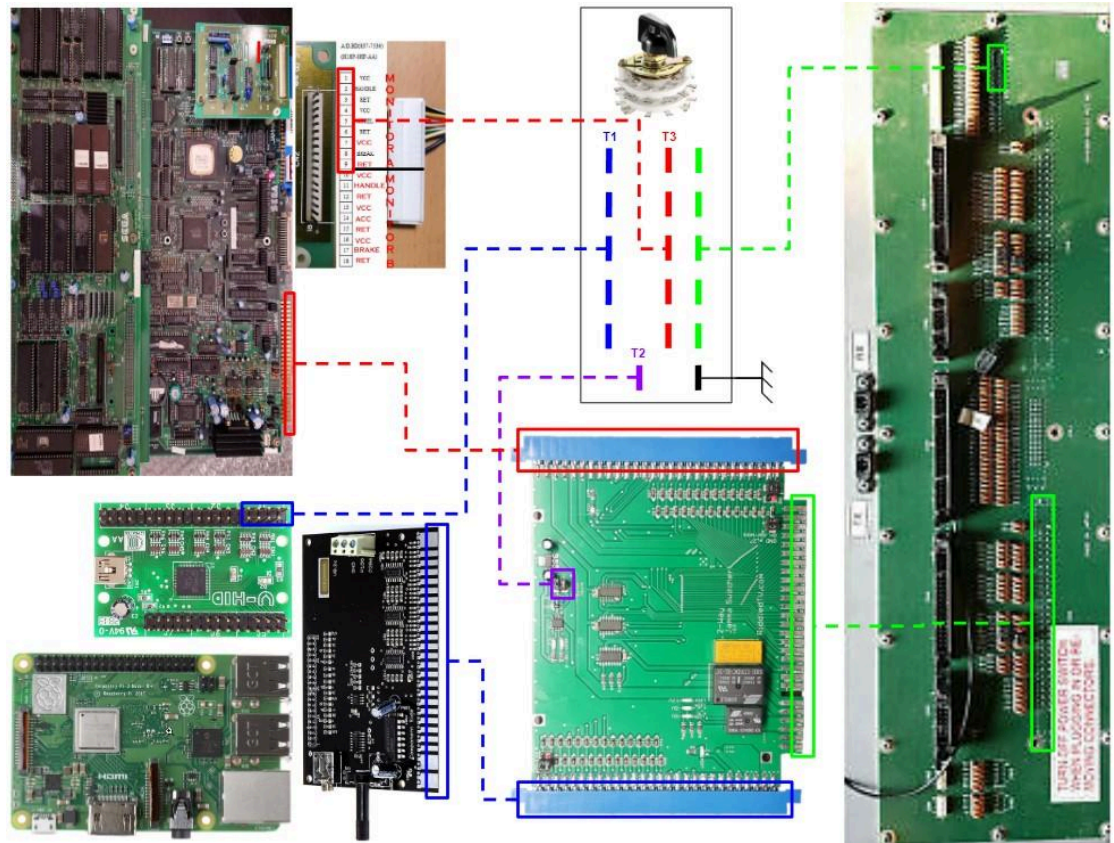


OUTRUNNERS JAMMA PINOUT					
FLT BD PIN	COMPONENTS		SOLDER		FLT BD PIN
CN3 6 AB	GND	1	A	GND	CN3 6 AB
CN3 5 AB	GND	2	B	GND	CN3 5 AB
CN3 1 AB	+5V	3	C	+5V	CN3 1 AB
CN3 2 AB	+5V	4	D	+5V	CN3 2 AB
CN3 3 AB	-5V	5	E	-5V	CN3 3 AB
CN3 4 AB	+12V	6	F	+12V	CN3 4 AB
CN4 2 B	COIN METER	8	J	CHECKPOINT	CN4 2 A
CN4 3 B		9	K	RACE LEADER	CN4 3 A
CN4 4 B	SPEAKER +	10	L	SPEAKER -	CN4 4 A
CN4 5 B		11	M		CN4 5 A
CN4 6 B	VIDEO RED	12	N	VIDEO GREEN	CN4 6 A
CN4 7 B	VIDEO BLUE	13	P	VIDEO SYNC	CN4 7 A
CN4 8 B	VIDEO GND	14	R	SERVICE	CN4 8 A
CN4 9 B	TEST	15	S		CN4 9 A
CN4 10 B	COIN SW	16	T		CN4 10 A
CN4 11 B	KEY SW	17	U		CN4 11 A
CN4 12 B		18	V		CN4 12 A
CN4 13 B		19	W		CN4 13 A
CN4 14 B		20	X		CN4 14 A
CN4 15 B		21	Y		CN4 15 A
CN4 16 B	SHIFT UP	22	Z	DJ/MUSIC SW	CN4 16 A
CN4 17 B	SHIFT DOWN	23	a	MUSIC SW	CN4 17 A
CN4 18 B		24	b	SELECT SW	CN4 18 A
CN4 19 B		25	c		CN4 19 A
CN4 20 B		26	d		CN4 20 A
CN3 8 AB	GND	27	e	GND	CN3 8 AB
CN3 7 AB	GND	28	f	GND	CN3 7 AB

... AND FURTHER CHECKS

2020

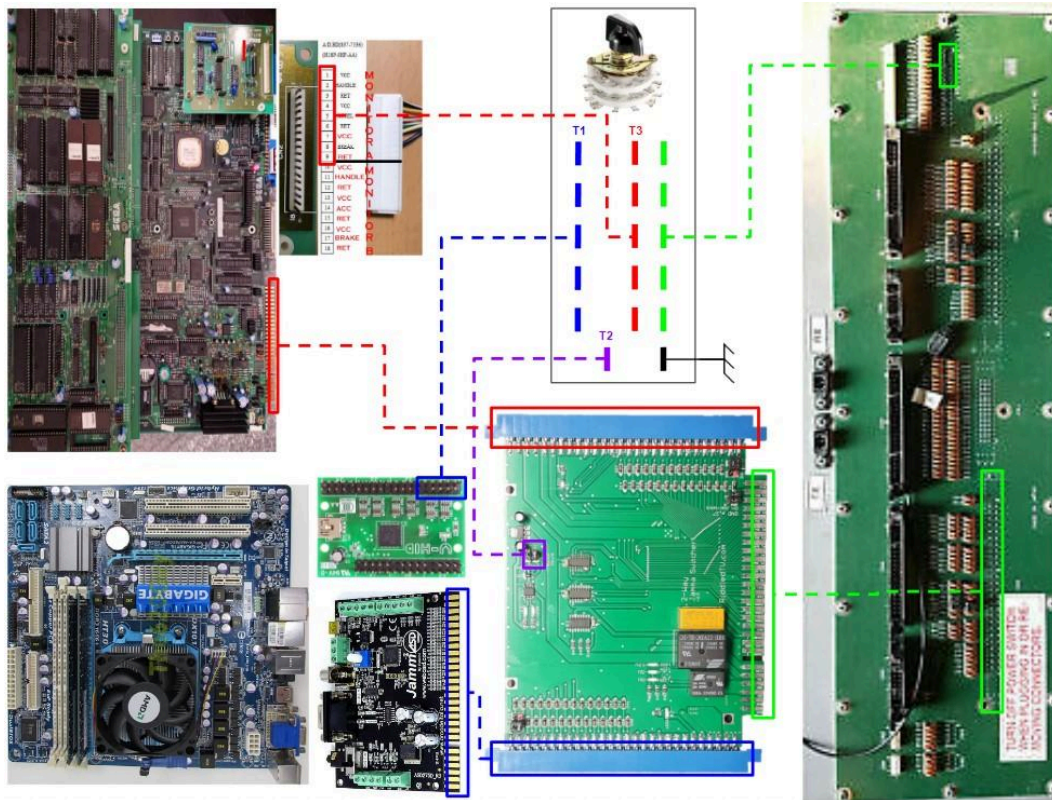
JAMMA
SWITCHER
+
RPI3



**POOR
PERFORMANCE**

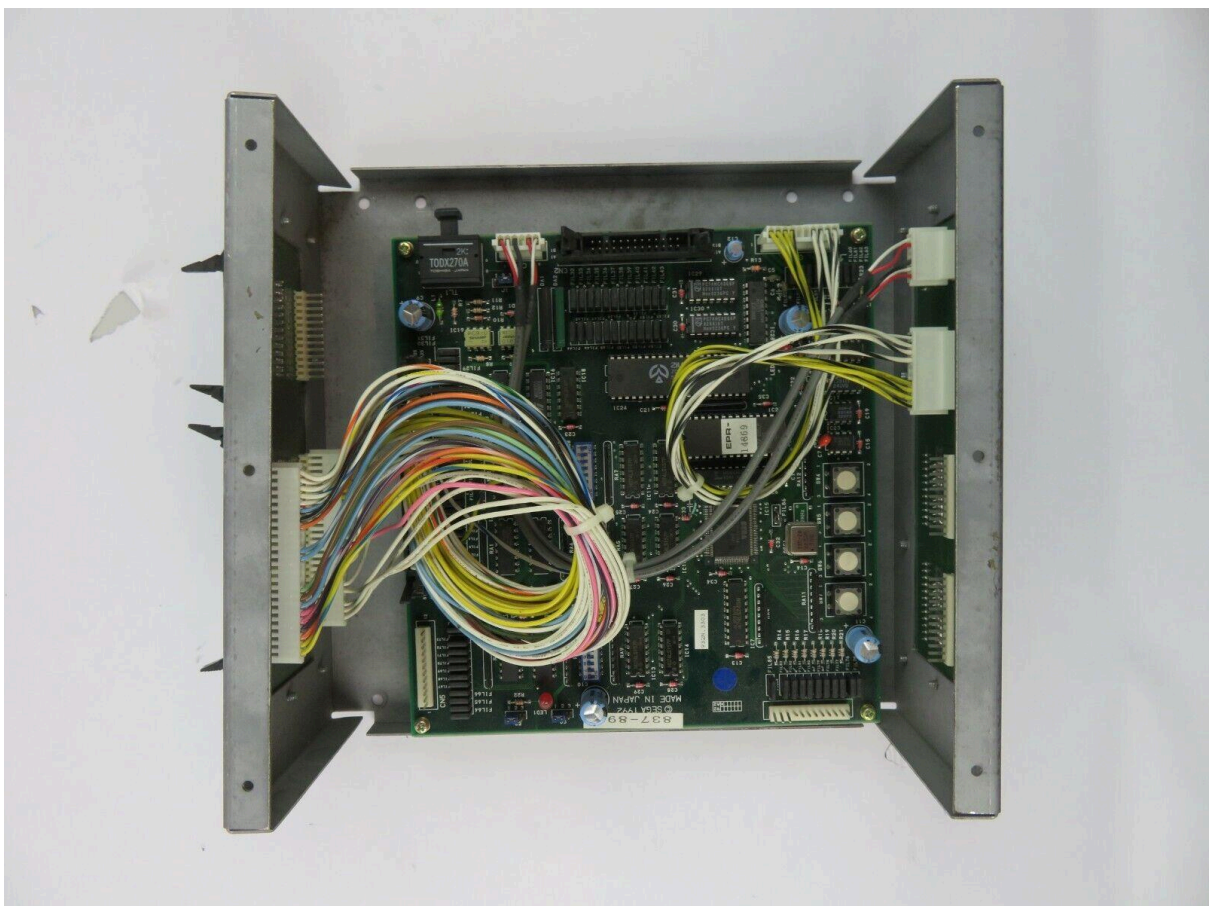
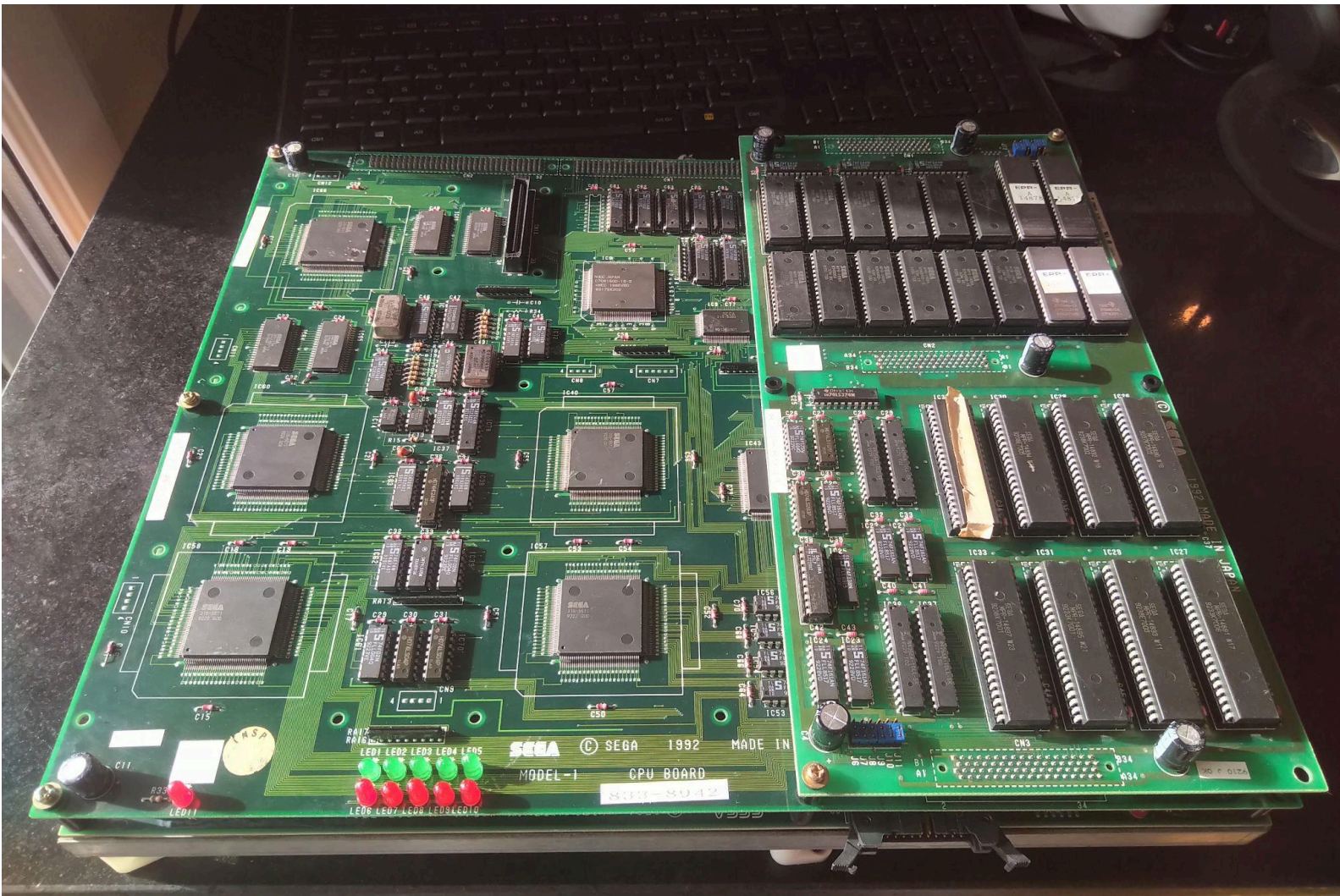
NO FUN

JAMMA SWITCHER + WINDOWS PC



NO FUN

2022



CN3 - OMRON 32pin connector on CPU BOARD																	
TOP																	
B16	B15	B14	B13	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1		
5V	5V	5V*	GND*	IO CN4 5	IO CN4 6	IO CN4 2	IO CN4 1	SND CN2 5	SND CN2 6	SND CN2 2	SND CN 1			5V	5V		
BOTTOM																	
A16	A15	A14	A13	A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1		
5V	5V	GND	GND	GND	GND					GND	GND	GND	GND	5V	5V		

* needs to be connected also to P5, otherwise communication with the other boards will not work

CN3 - JST 6P connector for RGB on MAIN PCB VIDEO BOARD

- 1 Red
- 2 Green
- 3 Blue
- 4 Sync
- 5 GND
- 6 GND

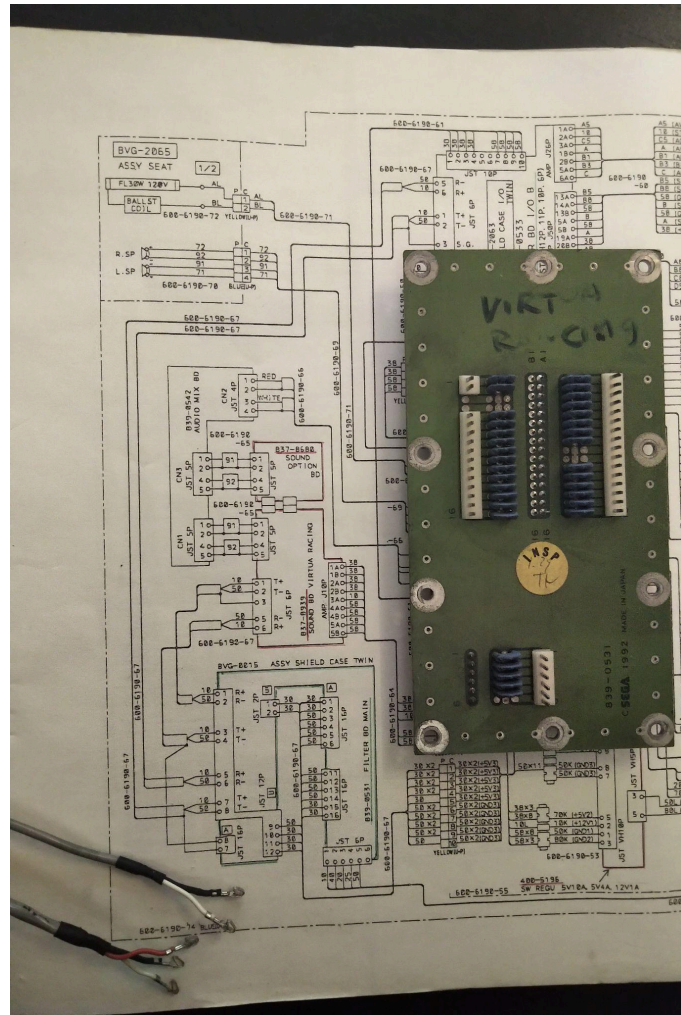
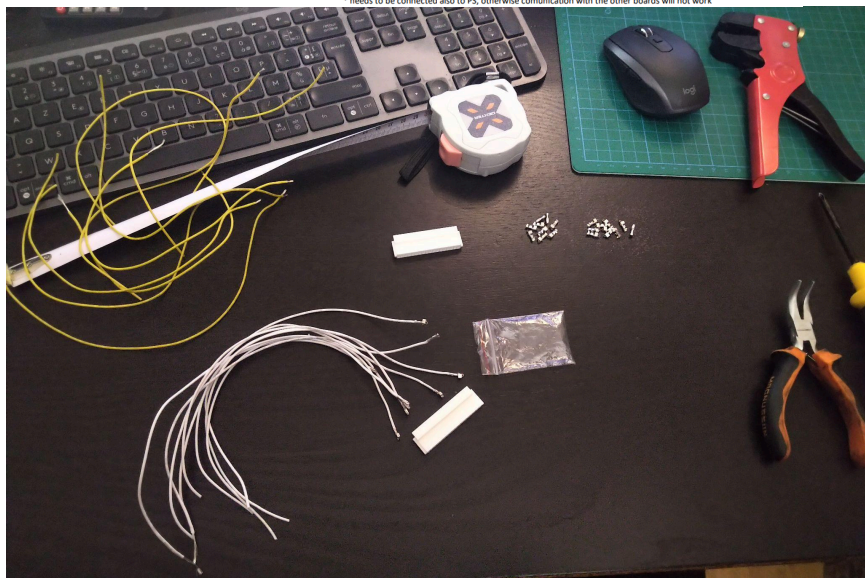
CN4 JST 6P connector for cam on I/O BOARD

- 1 from CN3 CPU BOARD 32 pin connector pin B9
- 2 from CN3 CPU BOARD 32 pin connector pin B10
- 3 GND
- 4 n.c
- 5 from CN3 CPU BOARD 32 pin connector pin B12
- 6 from CN3 CPU BOARD 32 pin connector pin B11

CN3 - JSP 10P connector for PWM on I/O BOARD

- 1 5V
- 2 5V
- 3 5V
- 4 5V*
- 5
- 6
- 7 GND*
- 8 GND
- 9 GND
- 9 GND

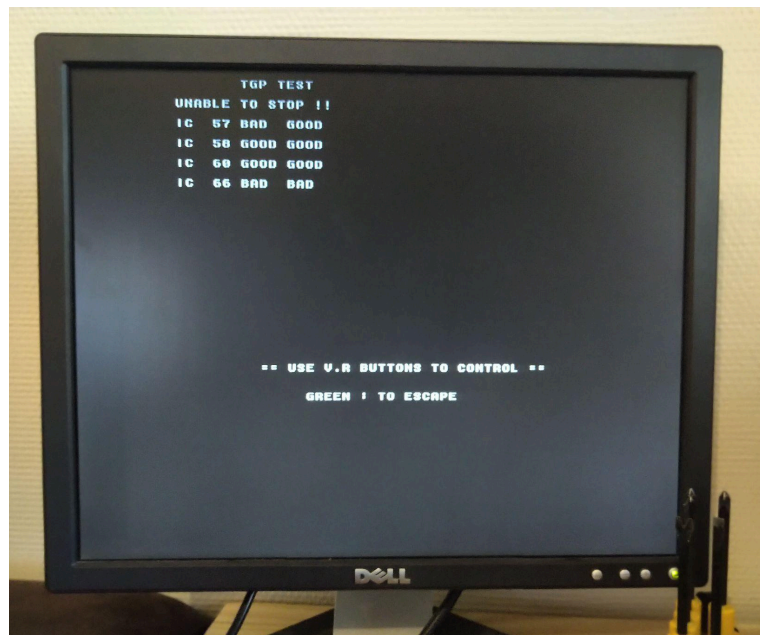
* needs to be connected also to P5, otherwise communication with the other boards will not work



BASE WIRING

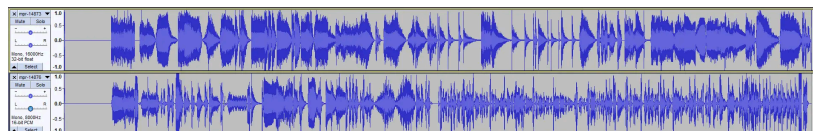
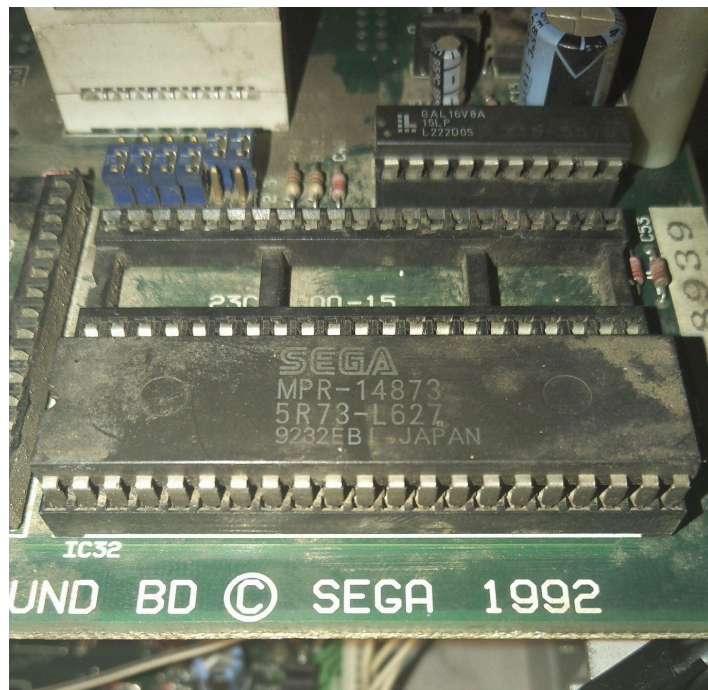
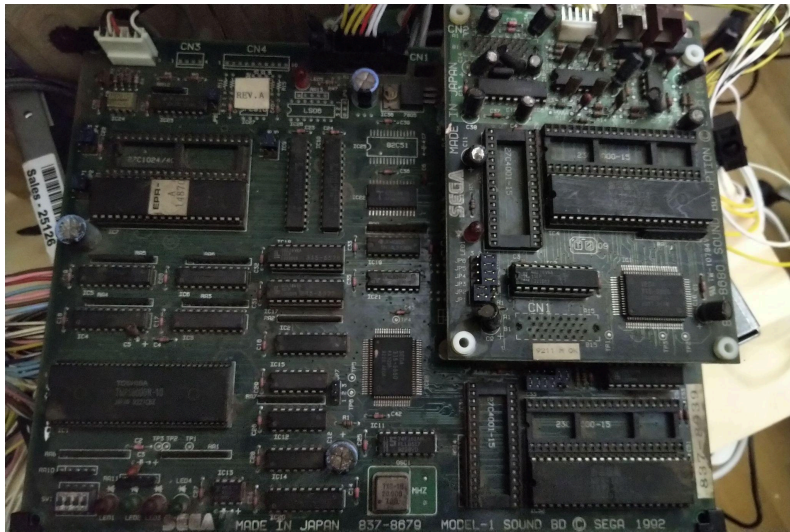


BOOT CHECK



NO 3D ... DAMAGED CHIPS ... NO LUCK

FAULTY SOUND BOARD DEBUG ...

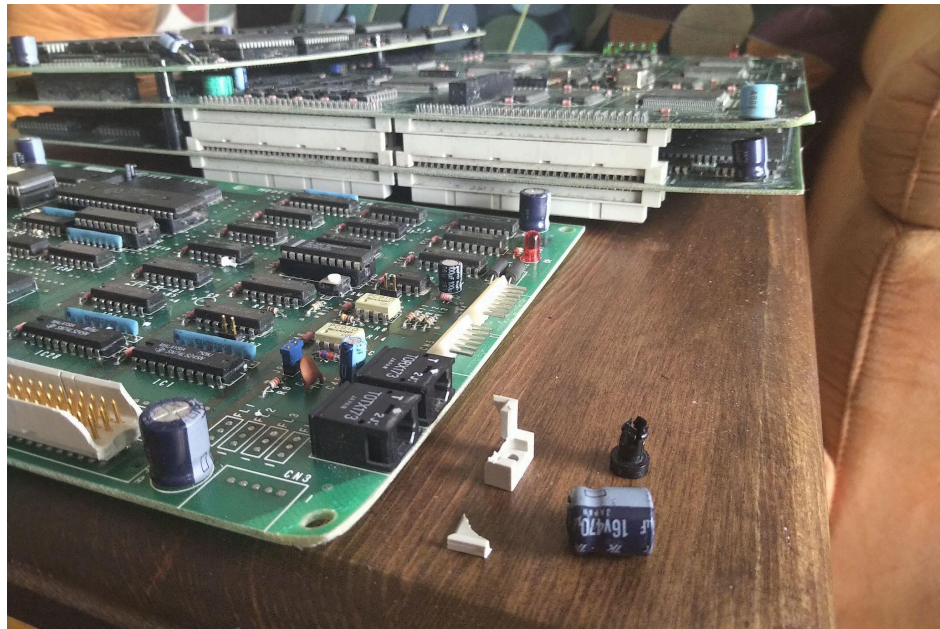


... AND MASK ROM REPLACEMENT : FIXED !

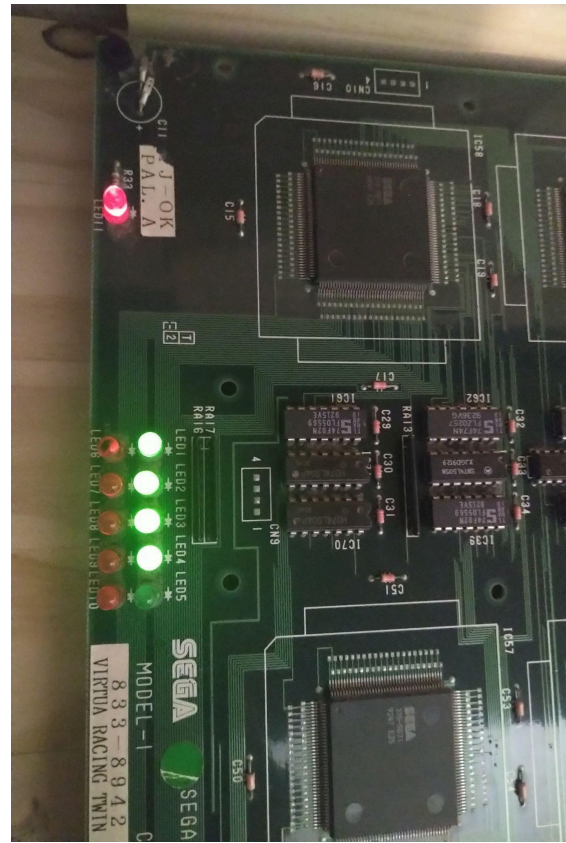
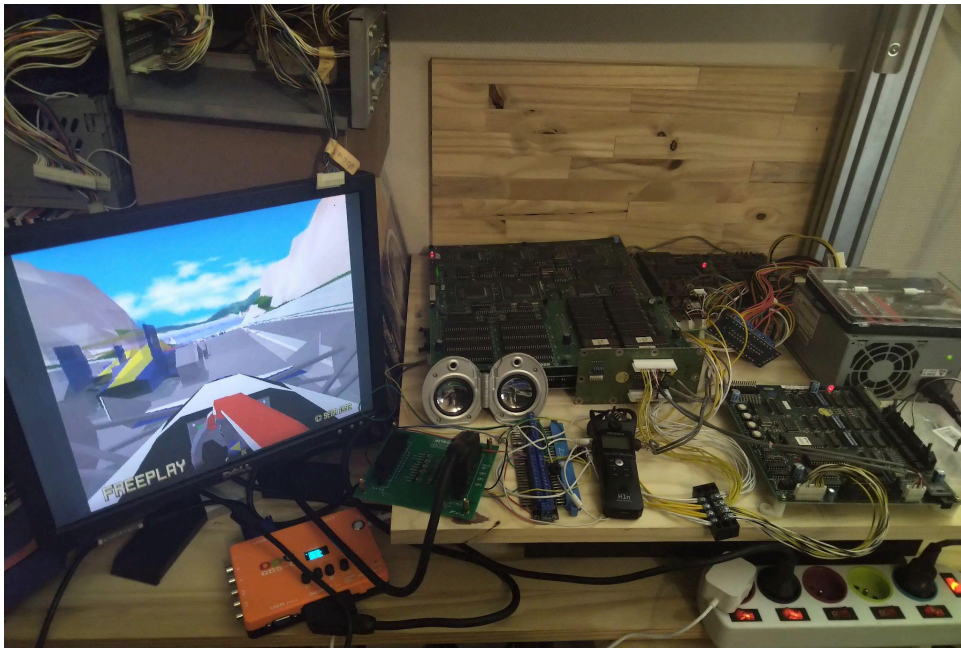


... ?!

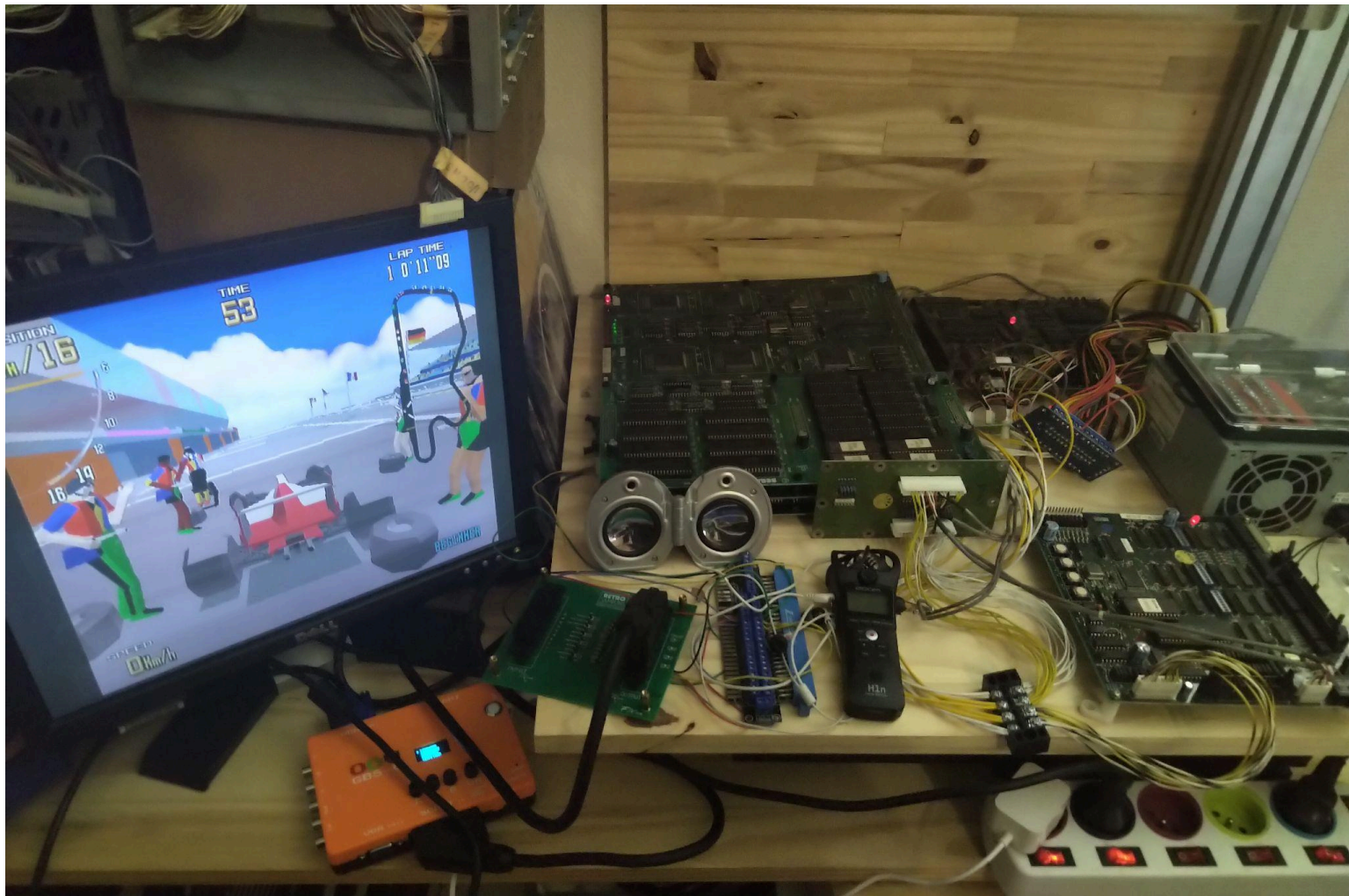
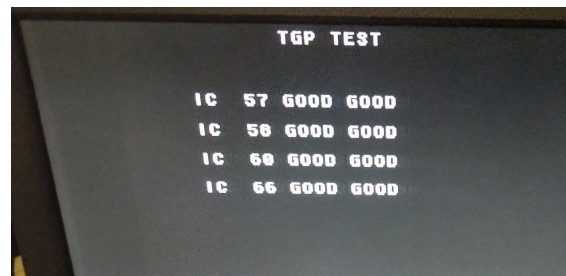
● ● ●

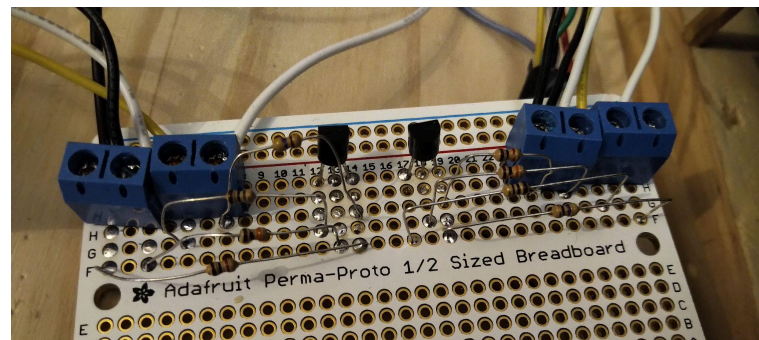
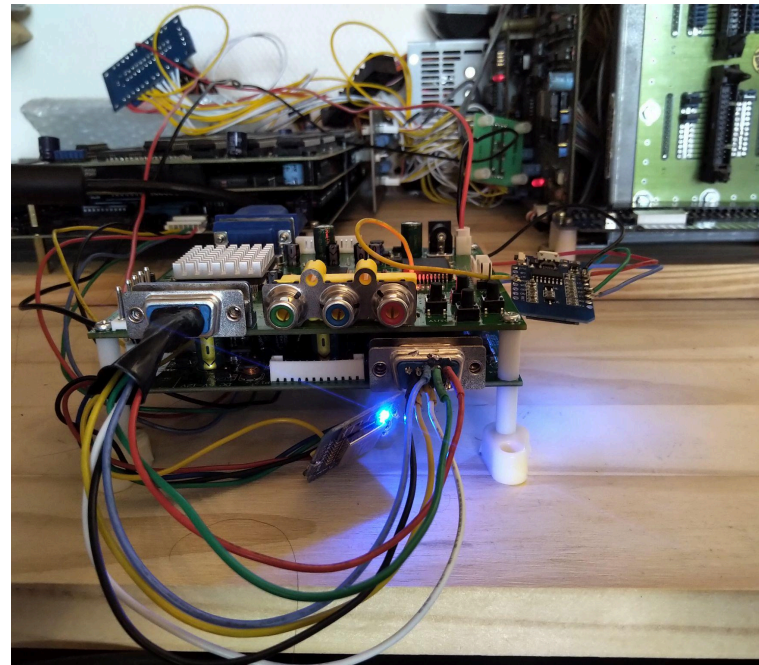
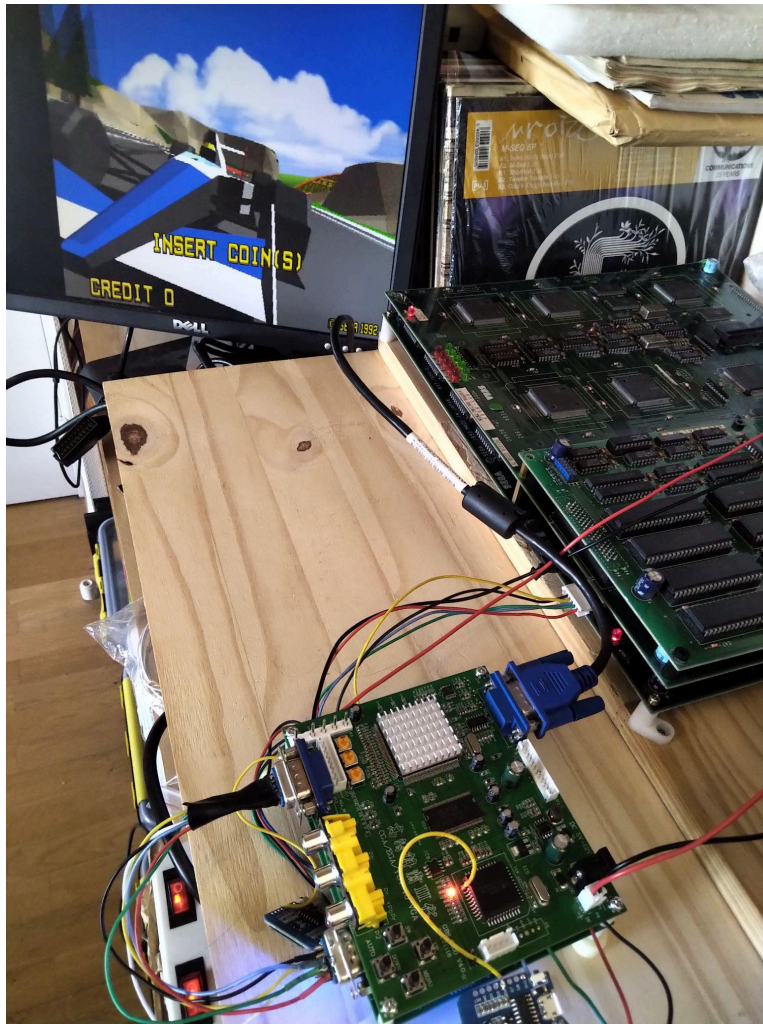


!!!
● ● ●

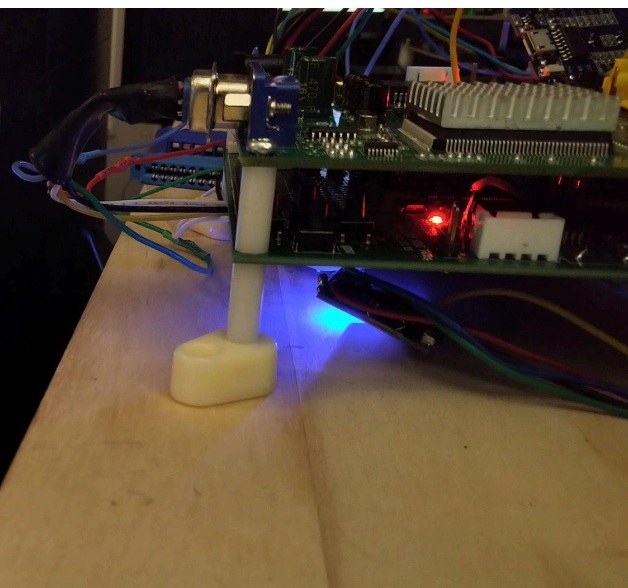


LUCK

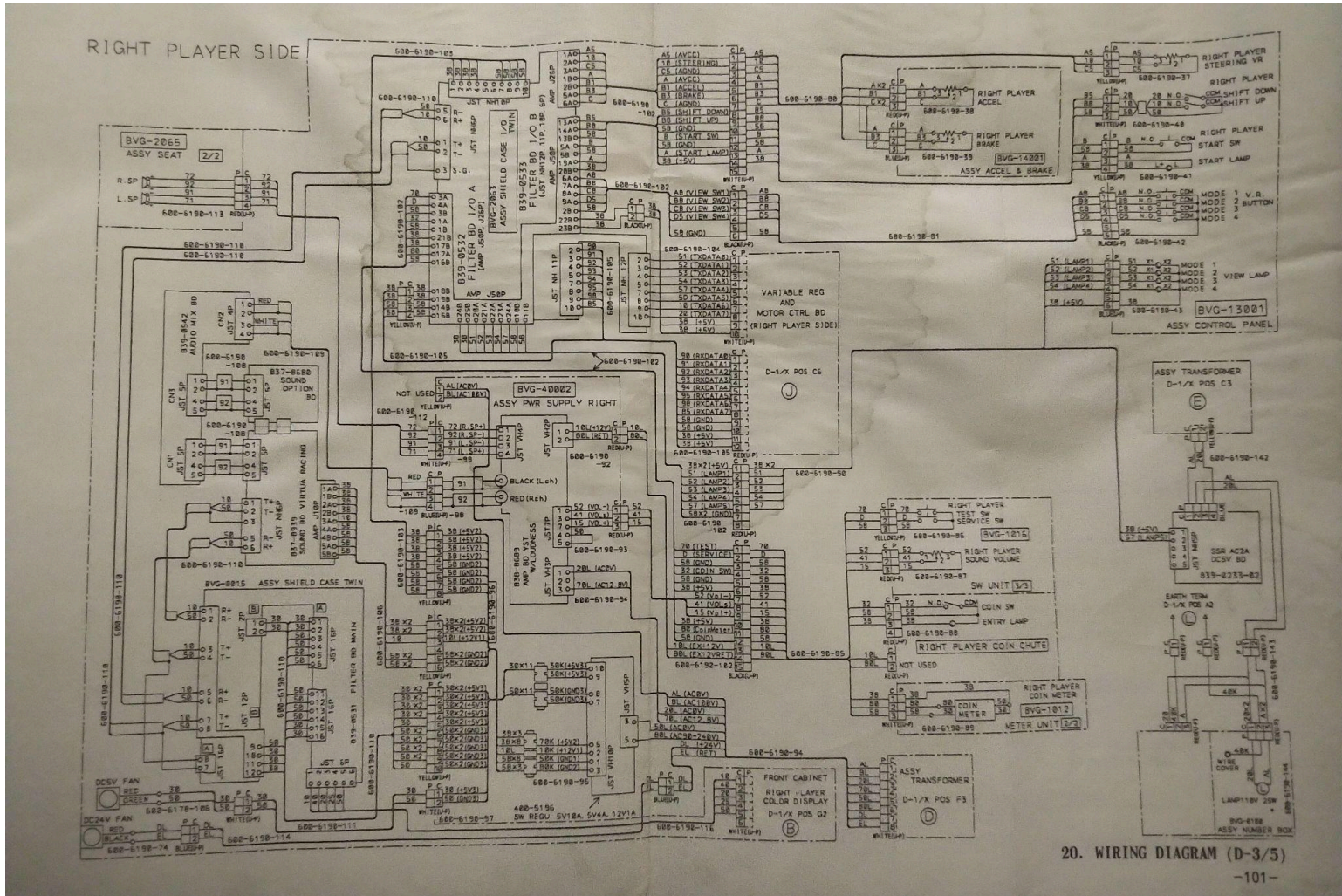




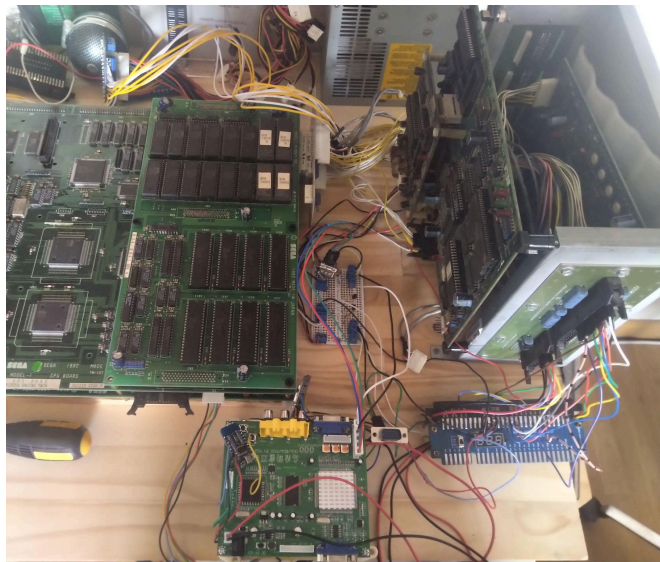
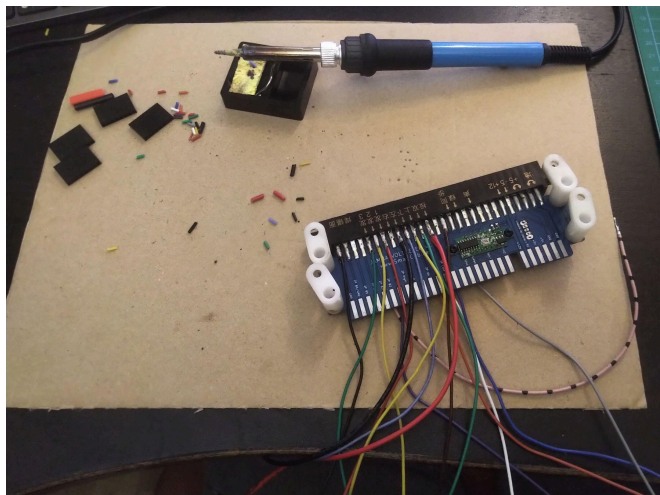
FROM
24kHz/384p
TO
15kHz/240p

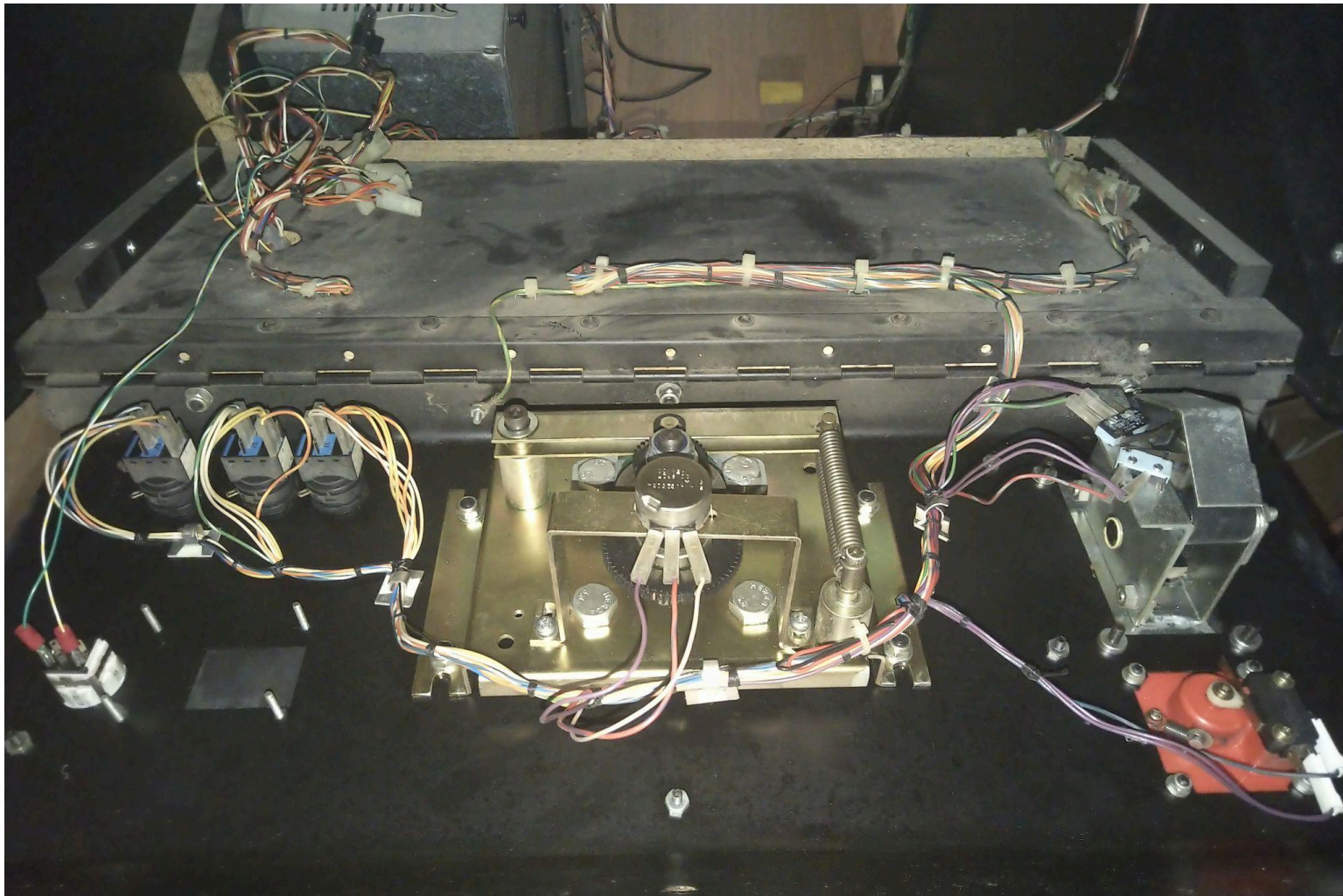


Model 1
 RGBS 24kHz 384p
GBS-Control 1
 RGBHV 31kHz 480p
Sync combiner circuit 1
 RGBS 31kHz 480p
GBS-Control 2
 RGBHV 15kHz 240p
Sync combiner circuit 2
 RGBS 15kHz 240p
15kHz CRT



JAMMA WIRING

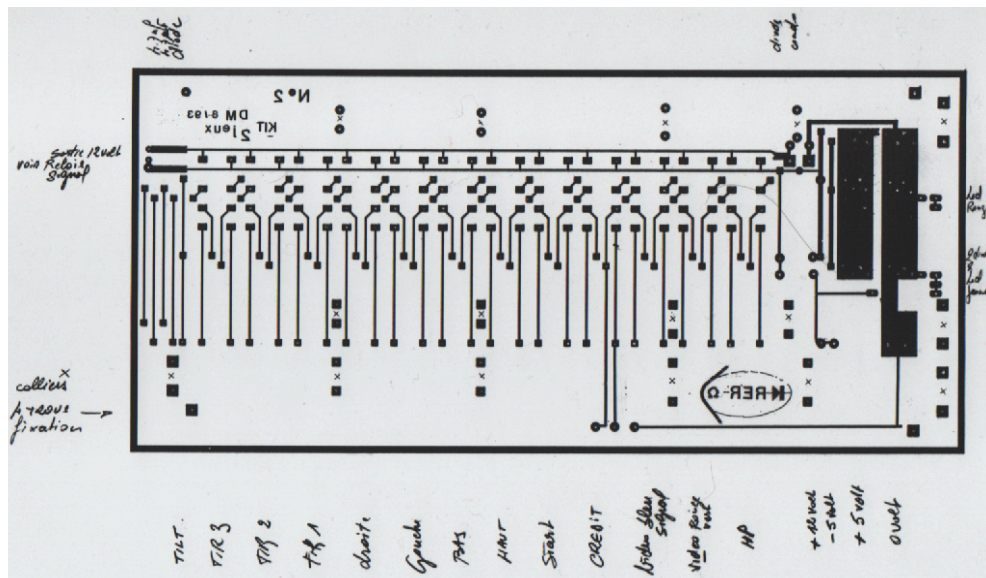




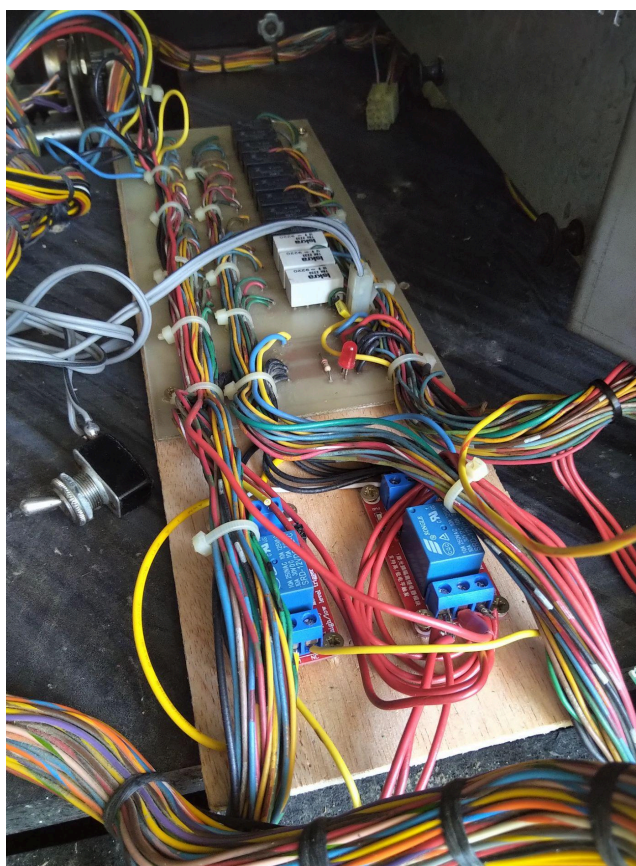
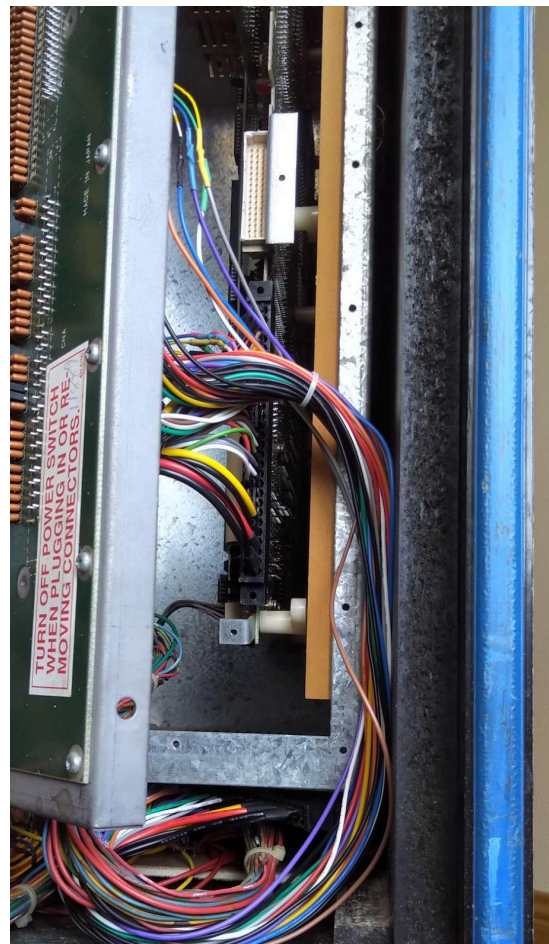
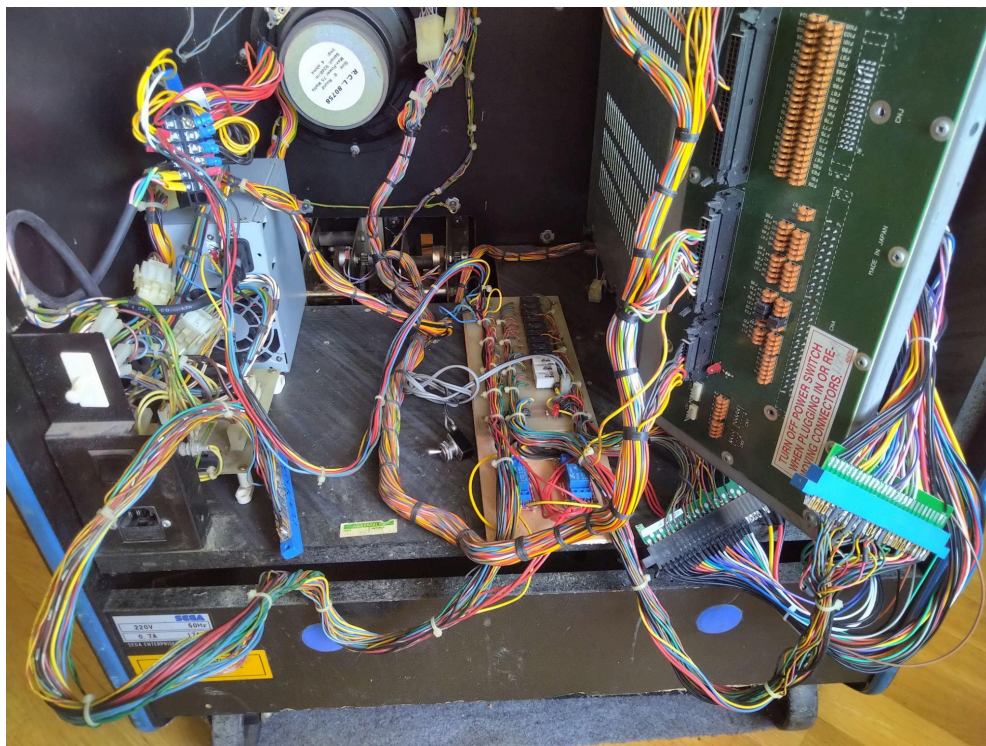
CONTROLS RESTORATION ...

... AND CALIBRATION



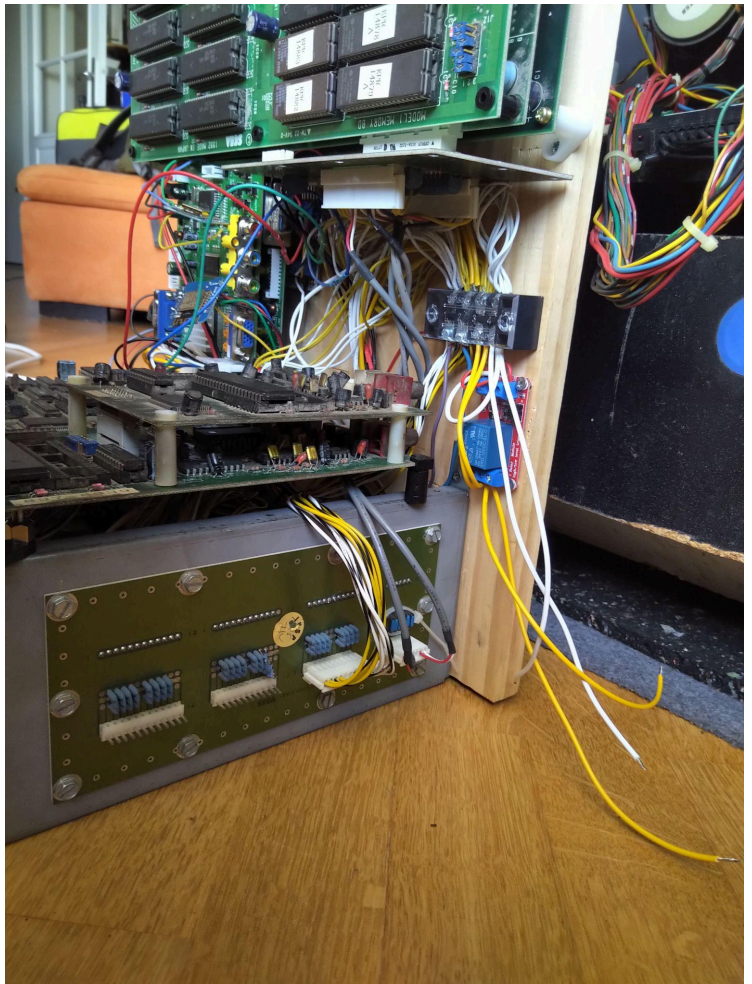
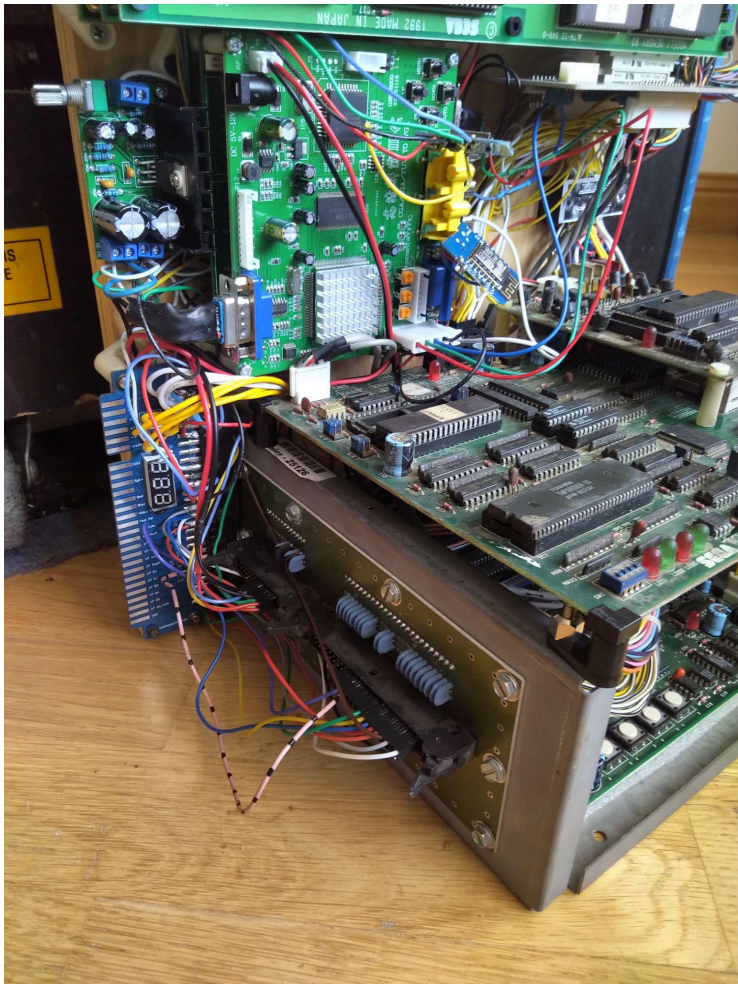
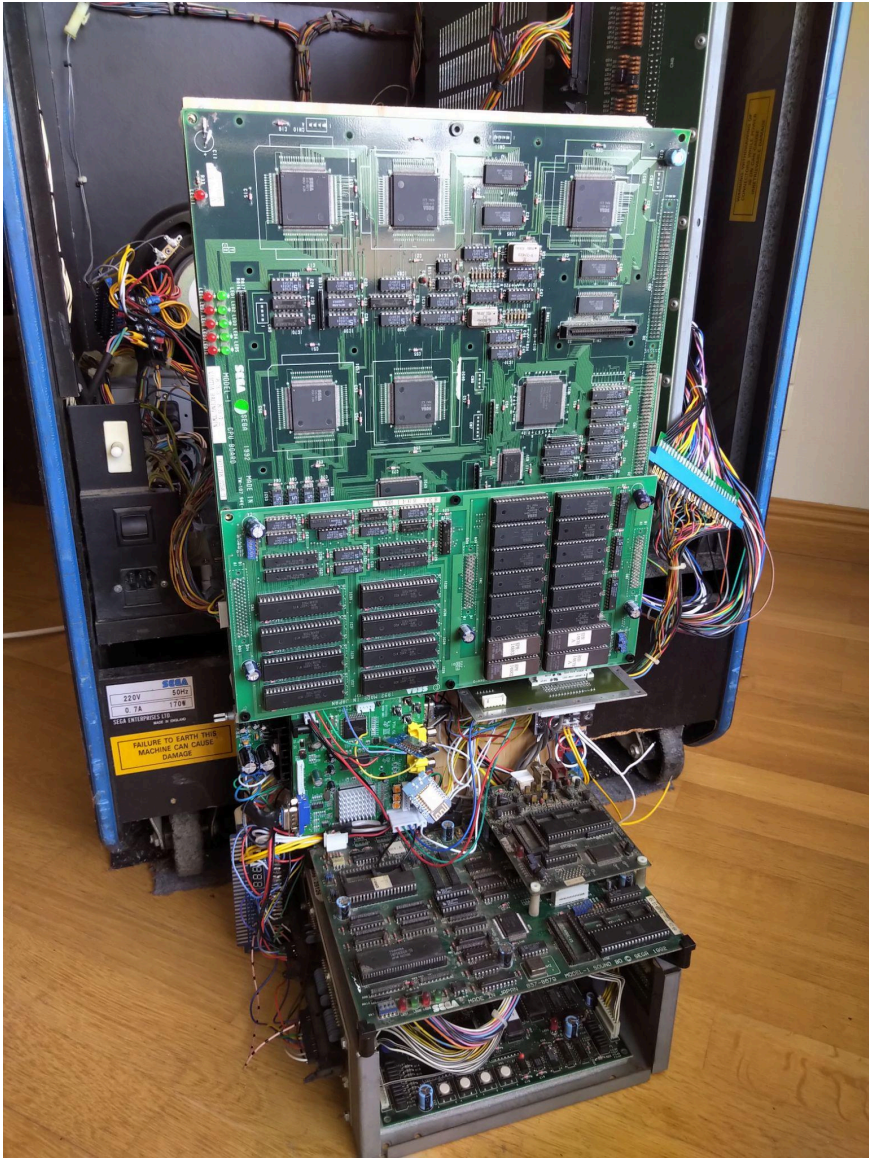


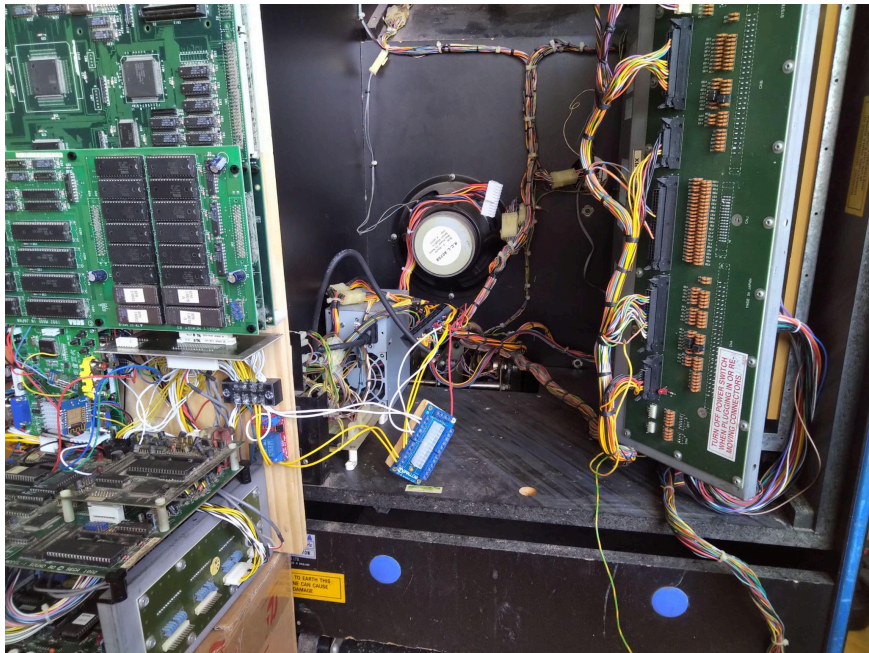
OUTRUNNERS JAMMA PINOUT				
FLT BD PIN	COMPONENTS		SOLDER	FLT BD PIN
CN3 6 AB	GND	1	A GND	CN3 6 AB
CN3 5 AB	GND	2	B GND	CN3 5 AB
CN3 1 AB	+5V	3	C +5V	CN3 1 AB
CN3 2 AB	+5V	4	D +5V	CN3 2 AB
CN3 3 AB	-5V	5	E -5V	CN3 3 AB
CN3 4 AB	+12V	6	F +12V	CN3 4 AB
CN4 2 B	COIN METER	8	J CHECKPOINT	CN4 2 A
CN4 3 B		9	K RACE LEADER	CN4 3 A
CN4 4 B	SPEAKER +	10	L SPEAKER -	CN4 4 A
CN4 5 B		11	M	CN4 5 A
CN4 6 B	VIDEO RED	12	N VIDEO GREEN	CN4 6 A
CN4 7 B	VIDEO BLUE	13	P VIDEO SYNC	CN4 7 A
CN4 8 B	VIDEO GND	14	R SERVICE	CN4 8 A
CN4 9 B	TEST	15	S	CN4 9 A
CN4 10 B	COIN + VR2 B	16	T VCC	CN4 10 A
CN4 11 B	KEY SW	17	U HANDLE	CN4 11 A
CN4 12 B		18	V ACCEL	CN4 12 A
CN4 13 B		19	W BRAKE	CN4 13 A
CN4 14 B		20	X RET	CN4 14 A
CN4 15 B		21	Y	CN4 15 A
CN4 16 B	SHIFT UP	22	Z VR1 R	CN4 16 A
CN4 17 B	SHIFT DOWN	23	a VR3 Y	CN4 17 A
CN4 18 B		24	b VR4 G	CN4 18 A
CN4 19 B		25	c	CN4 19 A
CN4 20 B		26	d	CN4 20 A
CN3 8 AB	GND	27	e GND	CN3 8 AB
CN3 7 AB	GND	28	f GND	CN3 7 AB



FULL RELAY JAMMA SWITCHER

WIRING FIXES,
SWITCHED POWER SUPPLY,
ANALOG CONTROLS VIA
UNUSED JAMMA WIRES





FINISH

