

IN THE HUNT

OWNERS MANUAL

10. Disassemble the control panel of all the hardware. Do not remove the old panel overlay. Determine where to place the new joystick and buttons if they must be repositioned. Then, cut new holes.

NOTE: If you are going to use plexiglass over the control panel, we suggest that you use a good 1/8" polycarbonate with a scratch resistant coating. We recommend GENERAL ELECTRIC LEXAN MR5 with margard or TUFFAK CM-2. These do not crack or break with abuse.

Cut and drill plex as needed. Remove the old control panel overlay carefully and apply the new overlay on top of the old glue. Use an **Exacto** knife to cut out any button or bolt holes. Apply necessary decals over appropriate buttons. Now assemble the control panel.

- 11. Bolt the control panel to the cabinet. Now connect the appropriate wires to the correct switches. Connect the 1 player and 2 player start wires.
- 12. Be sure to install the FCC stickers on the back of the cabinet.
- 13. Power up the game. Look over your installation for errors, and then apply power, listening for unusual sounds. Check for smoke or sparks. If everything is okay, wire tie all wires to form a nice, neat wiring harness. Clean the cabinet inside and out. Measure the +5 volts on the furthest point from the edge connector and adjust 5 volts to 5.05 volts. Use a tinted plex over the monitor is there are burns in the screen. We suggest bronze or grey tinted plex. Touch up the cabinet with fresh paint, and then repair all cabinet dents or chips, using an auto body product called Duraglass. This is similar to bondo. You can consult your local auto body shop or auto parts supplier for this product, as well as advice on how to use it.
- 14. Be sure your ground plug is good. All metal exposed to the player must be grounded (coin door, control panel, etc.) including all metal inside exposed.

P.C. BOARD SPECIFICATIONS

POWER SUPPLY:

Voltage $5V \pm 5\%$

12V ± 10%

5V MAX. 5A Ampere

12V MAX. 1A

MONITOR INTERFACE:

Video Signals TTL Positive

Sync Signals TTL Negative (Composite Sync)

Horizontal Frequency 15.723KHz H.Period 63.6 µs

H.Blank 15.6 µs H.Sync Pulse 6.0 u a **Vertical Frequency** 60.0Hz V.Period 16.663ms

V.Blank 1.40ms

Pulse V.Sync 318 µs

TOLERABLE	WHILE OPERATING	IN STORAGE
TEMPERATURE RANGE	0 TO 50°C	-5 TO 60°C
RELATIVE HUMIDITY	20 TO 70%	NO MORE THAN 80%
VIBRATION RANGE	NO MORE THAN 0.5G	NO MORE THAN 1.0G
TOLERANCE FOR FALLING	NO MORE THAN 0 cm	(When Packed) NO MORE THAN 50cm

JAMMA EDGE CONNECTOR CABLE N THE HUNT®

2 P SW A Forward Attack 2 P SW B Up/Down Attack COIN INPUT 2 VIDEO SYNC* VIDEO GRN **FUNCTION** AUDIO NEG +12 VOLTS 2 P DOWN 2 P RIGHT GROUND GROUND +5 VOLTS 5 VOLTS PREVENT **GROUND** SERV. SW START 2 2 P LEFT **GROUND** GROUND COIN 2 2 P UP S S S SOLDER SIDE ORG/GRN WHT/ORG DRG/WHT WHT/PUR **BRN/WHT** WHT/BRN BRN/BLU BRN/BLK YEL/WHT BRN/GRN COLOR GRN/YEL RED/BLK BLU RED RED BLK BLK BRN GRN MH→ BLK BLK BLK POS 8 V O 0 Ш ш I ¥ _ Σ z 0 α \supset > ≥ × > 7 B ۵ O σ 0 POS 9 Ξ 12 13 4 5 9 N 3 4 2 9 1 8 6 17 18 19 20 2 22 23 24 25 26 27 28 COMPONENT SIDE GRN/ORG GRN/BLU WHT/RED PNK/BLK ORG/BLU RED/WHT BLU/BRN WHT/BLK YEL/BLK WHT/YEL RED/YEL RED RED BRN BLK BLK BLU BLU BLK BLK BLK YEL 1 P SW A Forward Attack 1 P SW B Up/Down Attack AUDIO POS + VIDEO RED VIDEO GND VIDEO BLU FUNCTION +12 VOLTS GROUND +5 VOLTS +5 VOLTS COIN INPUT 1 P DOWN 1 P RIGHT **PREVENT** GROUND GROUND GROUND GROUND COIN 1 START 1 1 P LEFT 1 P UP S N.C. S

COIN LOCK 2 VIDEO SYNC* VIDEO GRN COIN SW. 2 +12 VOLTS FUNCTION +5 VOLTS 2 P DOWN GROUND +5 VOLTS 5 VOLTS 2 P RIGHT GROUND SERV. SW. START 2 2 P LEFT TILT SW. COIN 2 2 P UP (-) dS ΚEΥ SOLDER SIDE KD/DYNAMO — UNIVERSAL VIDEO WIRING WHITE/GREEN OP. BRN/BLK WHITE/VIOLET WHT/YELLOW WHITE/BLUE OP. BLU/BLK WHITE/GRAY RED/BLACK YELLOW WHT/BLK 56 PIN EDGE CONN. PIN-OUT CHART WHITE COLOR GRAY RED RED GRN BLK **BLK** JAMMA COMPATIBLE) Pos 8 O Σ ≥ × ш LL I ¥ _ Z α. α S \supset > × > Pos 9 Ξ 7 13 5 16 18 19 N က 4 2 9 / 8 o 4 17 8 2 BLUE-OPTION COMPONENT SIDE GREEN YELLOW YELLOW VIOLET COLOR WHITE BROWN WHITE GRAY BLUE RED BLK RED RED BRN MHT RED BLK BLU COIN LOCK 1 VIDEO GND FUNCTION +12 VOLTS VIDEO RED VIDEO BLU TEST SW. +5 VOLTS +5 VOLTS P DOWN GROUND GROUND -5 VOLTS 1 P RIGHT 1 P LEFT COIN SW. COIN 1 START 1 1 P UP SP (+) ΚEΥ S

2 P PUSH 2 2 P PUSH 3

WHITE/RED

WHT/BROWN

GROUND

BLK-OPTION

28

BLK-OPTION

GROUND

27

BLK

GROUND

GROUND

BLK

S.C. S

YELLOW/WHT

GREEN/WHT

BLUE/WHT

S S

BROWN

1 P PUSH 3

RED/WHT

2 P PUSH 1

WHT/ORANGE

7 Ø Ω O σ Φ

22 23 24 25 26

ORANGE

1 P PUSH

RED

1 P PUSH 2

Video sync composite negative
 Use a horizontally positioned CRT monitor and two 8-way joysticks, each with two push button switches.

Video sync composite negative

IN THE HUNT® DIP SWITCH SPECIFICATIONS

DIP SWITCH 1

		1	2	3	4	5	6	7	8
	3	OFF	OFF						
NUMBER OF	2	ON	OFF						
LIVES GIVEN AT START	4	OFF	ON						
	5	ON	ON						
	NORMAL			OFF	OFF				
DIFFICULTY	EASY			ON	OFF				
DIFFICULIT	HARD			OFF	ON				
	VERY EASY			ON	ON				
SOUND IN	NO							OFF	
TTRACTING MODE	YES							ON	
DIAGNOSTIC TEST	NO								OF
MAGNOSTIC TEST	YES								ON

DIP SWITCH 2

			1	2	3	4	5	6	7	8
ELID DIOTUDE		NO	OFF							
FLIP PICTURE		YES	ON							
		NOT USED								
CABINET TYPE		NOT USED								
0011101111750		NOT USED								
COIN CHUTES		NOT USED								
		1 COIN / 1 PLAY				OFF	OFF	OFF	OFF	OF
COIN MODE 1		2 COINS / 1 PLAY				OFF	ON	OFF	OFF	OF
		3 COINS / 1 PLAY				OFF	OFF	ON	OFF	OF
		4 COINS / 1 PLAY				OFF	ON	ON	OFF	OF
		5 COINS / 1 PLAY				OFF	OFF	OFF	ON	OF
		6 COINS / 1 PLAY				OFF	ON	OFF	ON	OF
		1 COIN / 2 PLAYS				OFF	OFF	ON	ON	OF
		1 COIN / 3 PLAYS				OFF	ON	ON	ON	OF
		1 COIN / 4 PLAYS				OFF	OFF	OFF	OFF	0
		1 COIN / 5 PLAYS				OFF	ON	OFF	OFF	0
		1 COIN / 6 PLAYS				OFF	OFF	ON	OFF	0
		2 COINS / 3 PLAYS				OFF	ON	ON	OFF	0
		3 COINS / 2 PLAYS				OFF	OFF	OFF	ON	0
		4 COINS / 3 PLAYS				OFF	ON	OFF	ON	0
		1 COIN CONTINUE				OFF	OFF	ON	ON	0
		FREE PLAY				OFF	ON	ON	ON	0
COIN		1 COIN / 1 PLAY				ON	OFF	OFF		
MODE 2	*	2 COINS / 1 PLAY				ON	ON	OFF		
	A	3 COINS / 1 PLAY				ON	OFF	ON		
		5 COINS / 1 PLAY				ON	ON	ON		
		1 COIN / 2 PLAYS				ON			OFF	OF
	**	1 COIN / 3 PLAYS				ON			ON	OF
	В	1 COIN / 5 PLAYS				ON			OFF	0
		1 COIN / 6 PLAYS				ON			ON	01

* COIN CHUTE A **COIN CHUTE B

- Please turn off the power switch before changing the DIP SW setting, or the change may not take effect.
- Continue Coin is the mode which starts the game with 2 coins, but continues it with 1 coin alone. When this mode is set, no other coin modes can be set.
- Dip SW 3 is not in use.

Diagnostic Test

(1) Test Items

The following tests are made:

1 RAM Test

2 ROM Test 6 CHARACTER Test

3 I/O PORT Test 7 COLOR Test

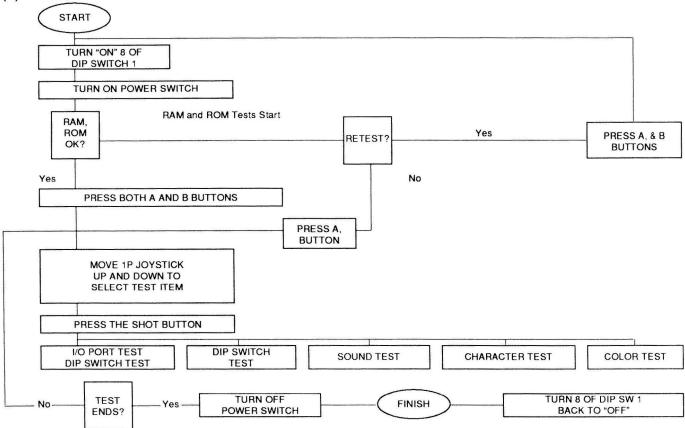
4 DIP Switch Test 8 CROSS HATCH Test

As soon as the number 8 of the DIP Switch 1 is turned "ON" and the Power Switch is switched on, the Test 1 and 2 are started.

5 SOUND Test

To finish the Tests, turn off the Power Switch and then the number 8 of the DIP Switch 1 to "OFF".

(2) Test Procedures



(3) RAM and ROM TEST

Although the picture does not appear on the screen and only verious patterns appear on it for a while after turning on the power switch, RAM's for the picture are being tested during this time. If RAM's are found OK by the test, "RAM OK" and "ROM OK" will be displayed on the screen.

If RAM(s) is (are) not good, "RAM NG □" will appear on the screen.

The figure following the "RAM NG" indicates the location of the defective RAM.

00	WORK RAM (BYTE)	09	PALLETE BUFFER BANK 0 (WORD)
01	WORK RAM (WORD)	10	PALLETE BUFFER BANK 1 (WORD)
02	V_RAM A (WORD)	11	PALLETE BUFFER BANK 2 (WORD)
03	V_RAM B (WORD)	12	PALLETE BUFFER BANK 3 (WORD)
04	V_RAM C (WORD)	13	OBJECT BUFFER BANK 0 (WORD)
05	V_RAM D (WORD)	14	OBJECT BUFFER BANK 1 (WORD)
06	RASTER SCROLL RAM A (WORD)	15	PALLETE RAM BANK 0 (WORD)
07	RASTER SCROLL RAM B (WORD)	22	PALLETE RAM BANK 7
80	RASTER SCROLL RAM C (WORD)	23	OBJECT RAM (WORD)

If ROM(s) is(are) defective, "ROM NG □" will appear on the screen.

When RAM's and ROM's are found all good after completing this RAM and ROM TEST, you can move over to the next test item by pressing the 1P and 2P start buttons.

In case any RAM(s) or ROM(s) is(are) found faulty after completing the RAM and ROM TEST, press the 1P start button to repeat the test. Press the 2P start button to go to the next test.

(4) Display of the Test Items

The following test items are shown so that you may select a test item you want by moving the 1P joystick up and down:

1. 1/0

5. CROSS HATCH

2. SOUND.

6. OPTION

3. CHARACTER

7. EXIT

4. COLOR

Press the Shot button to get the test indicated in red started. Press the 1P and 2P start buttons to end the same test. Press the 1P start button to start "OPTION" test.

(5) I/O Port Test

The status when each joystick button, and coin is turned "ON" is shown.

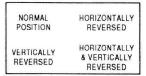
	8	1	6	5	4	3	2	1	8	1	6	5	4	3	2	1
IN PORT 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IN PORT 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IN PORT 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIP SWITCH	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	(0-OFF, 1-ON)															

(6) Sound Test

The screen shows the number of each sound and the test is made about whether the corresponding sound is given. Push down the 1P joystick to move over to the next sound's test. To check the same sound, press button A for 1P.

(7) Character Test

The player character is displayed in the center of the screen.



Make sure that the character is shown in four different positions, each vertically and horizontally reversed, as shown on the left.

(8) Color Test

By moving down the 1P joystick, the test can be advanced like 1—2—3—4—5—6—7—8—9—10—1, test of colors, balance and distortion on the monitor screen.

- 1 The whole screen shows only blue color.
- 2 The whole screen shows only red color.
- 3 The whole screen shows only magenta color.
- 4 The whole screen shows only green color.
- 5 The whole screen shows only cyan color.
- 6 The whole screen shows only yellow color.
- 7 The whole screen shows only white color.
- 8 Figure A is displayed on the screen.
- 9. Figure B is displayed on the screen.
- 10. Figure C is displayed on the screen.

(9) Cross Hatch Test

The white lines represent CROSS HATCH PATTERN on the screen.

