

Nov 10 1981



## SERVICE NOTE

**EFFECT:** ELIMINATOR

**NUMBER:** 001 ( 10-27-81 )

An error in the ELIMINATOR Owner's Manual (Gremlin P/N 420-0603) has been found, and corrections to the schematics should be made as follows:

Drawing Number 700-0062; Sheet 8 Zone 1C & 2C, P4- pin assignments

(WAS)

Pin 5- BRN THRUST 1  
Pin 8- RED FIRE 1  
Pin 11- WHT THRUST 2  
Pin 12- VIO FIRE 2

(IS)

Pin 5- RED FIRE 1  
Pin 8- BRN THRUST 1  
Pin 11- VIO FIRE 2  
Pin 12- WHT THRUST 2

Drawing Number 800-3168; Zone 4C & 4D

(WAS)

Pin 5- BRN 17.00 [431.8]  
Pin 8- RED 17.00 [431.8]  
Pin 11-WHT 6.00 [152.4]  
Pin 12-VIO 5.00 [127]  
P4

(IS)

Pin 5- RED 17.00 [431.8]  
Pin 8- BRN 17.00 [431.8]  
Pin 11-VIO 5.00 [127]  
Pin 12-WHT 6.00 [152.4]  
P4



## SERVICE NOTE

**EFFECT:** ELIMINATOR

**NUMBER:** 002 11-11-81

Occasionally, multiplier problems (gate racing) resulting in a frozen display can be alleviated by modifying the X-Y Timing Board as follows: PCB # 170-0218, 800-0106 Assy, Rev. A

1. cut pin-1 of U14 as close to the PC Board as possible and lift the pin away from the board.
2. install a 2.25" jumper wire (AWG 30, 28, or 26) from pin-5 of U23 to pin-1 of U14 (on leg of the IC).

This rework will be incorporated on 170-0218 Rev. E.

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EFFECT: ELIMINATOR

NUMBER: 003 11-11-81

An error was found on page 46 of the Owners Manual (P/N 420-0603), the A.C. Junction Box Assy. Item 8 should read:

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>
8	514-0053	1	5 amp fuse, 250 V, Slow-Blow

It is possible that some ELIMINATOR games may have left the factory with fast-blow fuses in the "J-Box". These should be replaced with a slow-blow fuse, as above.

Also, 220 VAC installations (i.e. Europe) in addition to an input transformer strapping modification (input AC to pins 1 and 4), must change down to a 3 amp fuse, 250 V, Slow-Blow (P/N 514-0011).

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## SERVICE NOTE

**EFFECT:**ELIMINATOR

**NUMBER**004 11-11-81

In response to a number of requests for a choice of coin mechanisms and a light for the coin mech, the following additions should be made to the Owners Manual (P/N 420-0603):

Schematics; add the enclosed (-01) wiring diagram to your manual.

Parts List; add the enclosed Top Assembly revised Parts List to your manual.

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## ELIMINATOR

## TOP ASSEMBLY

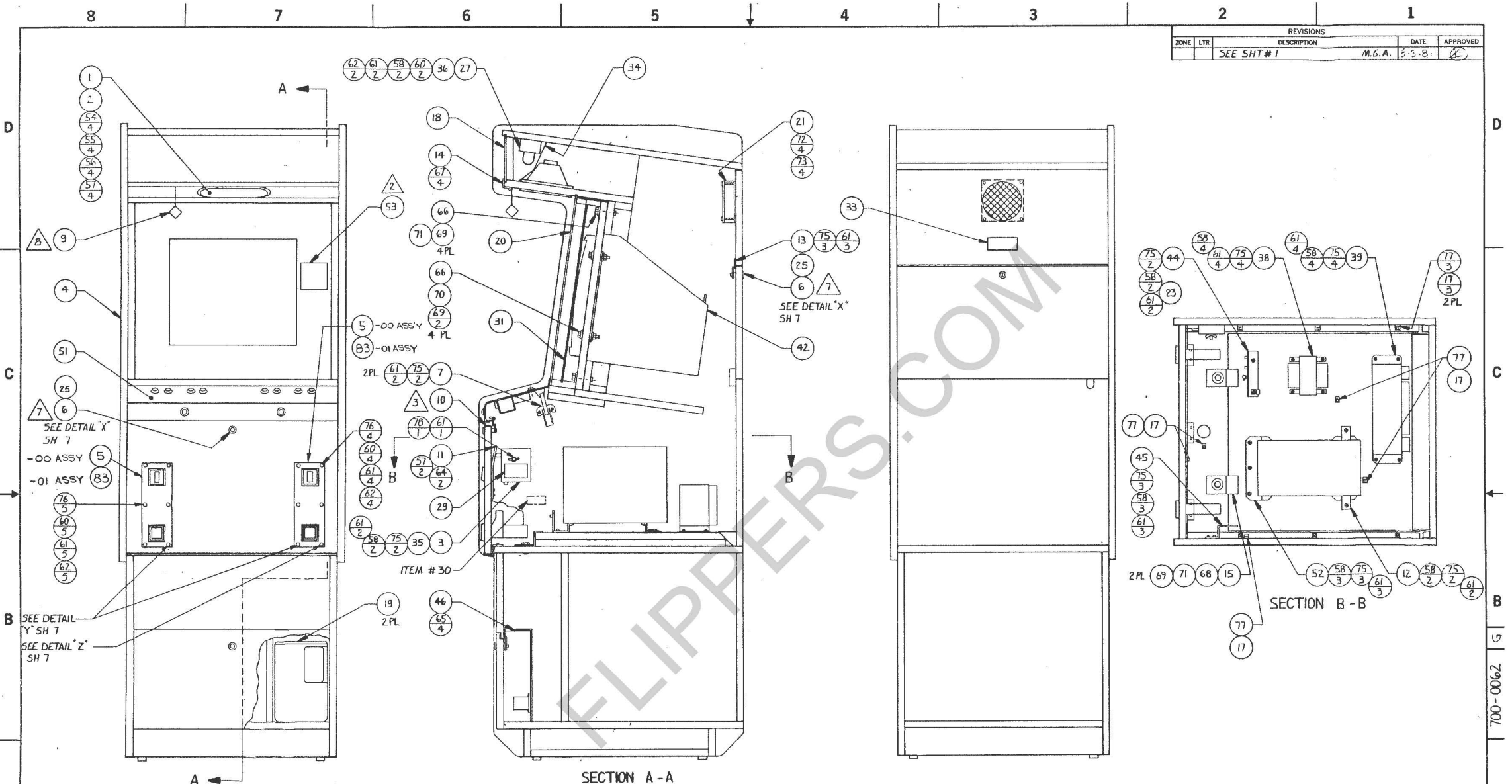
DRAWING NUMBER 700-0062

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>
1	130-0020	1	Speaker, Game 6 X 9, 10W
2	130-0002	1	Speaker, Cover 6 X 9
3	140-0021	1	Cover, J Box
4	140-0055	1	Cabinet, Universal Upright
5	220-0160	2	Coin Mech
6	220-0167	2	Lock, Coin Mech Door (& Back)
7	220-0178	2	Draw Catch
8	420-0656	1	Decal, Self-Test Instructions
9	420-0636	1	Tag, Extra Value
10	250-0038	1	Molding Strip
11	250-0048	1	Clip Switch
12	250-0458	1	Saddle, G-80 Cage
13	250-0481	1	Strike Plate
14	250-0492	1	Molding, Logo Panel
15	250-0497	2	Clamp, Component Board
16			
17	280-0345	11	Tie Wrap, Screw Mounted
18	253-0232	1	Logo, ELIMINATOR Panel
19	253-0222	2	Coin Recepticle
20	253-0228	1	Panel, Clear Monitor
21	800-0298	1	Assy, Cabinet #2 Fan
22	280-0005	30	Cable Tie
23	280-0324	2	Cable Clamp, Nylon
24	280-0327	8	Tie Wrap, Base
25	280-0360	2	Lock Washer Lock
26	280-0359	2	Crimp Sleeve, Elec.
27	390-0019	1	Lamp, Fluorecent
28	420-0028	1	Decal, S/N
29	420-0030	1	Decal, Caution 115VAC
30	420-0041	1	Decal, Small S/N
31	420-0642	1	Graphic, Interior ELIMINATOR, Univ.
32	420-0603	1	Manual, ELIMINATOR
33	420-0568	1	Decal, FCC
34	420-0624	1	Baffle, Light
68	282-0017-16	2	Bolt Hex Hd Mach # $\frac{1}{4}$ -20 X 1.0
69	284-0027-00	14	Washer (fender) Flat Lrg. O.D. # $\frac{1}{4}$
70	283-0007-00	4	Nut Hex, Self-locking Mach # $\frac{1}{4}$ -20
71	284-0037-00	10	Washer, Lck Split, Steel # $\frac{1}{4}$
72	281-0042-32	6	Scr Pn Hd Phl Type A/AB #6-18 X 2.0

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>
73	284-0002-00	4	Washer Flat, Std O.D. Steel #6
74			
75	281-0045-12	27	Scr Pn Phl S/M Type A/AB #10-12 X .750
76	284-0006-00	12	Washer, Flat #10 X .750
77	281-0074-12	11	Scr, Flat Hd Phl #8-15 X .75 82°
78	283-0015-00	1	Wing Mach #10-24
79	420-0671	1	Decal, ELIMINATOR Box
80	800-0314	1	Assy, Harness Power
81	800-0315	1	Assy, Harn C/M Lighting
82	800-0321	1	Assy, Harn Coin Mech Univ.
83	220-0194	*	Coin Mech w/ Lighting
	220-0195	*	Coin Mech w/ Lighting

\*- A total of two (2) Coin Mechs of either P/N 220-0194 or P/N 220-0195.  
ITEM NO.s 80-83 relate to -01 Assy, DRAWING NUMBER 700-0062

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REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHT # 1	M.G.A.	5-3-81

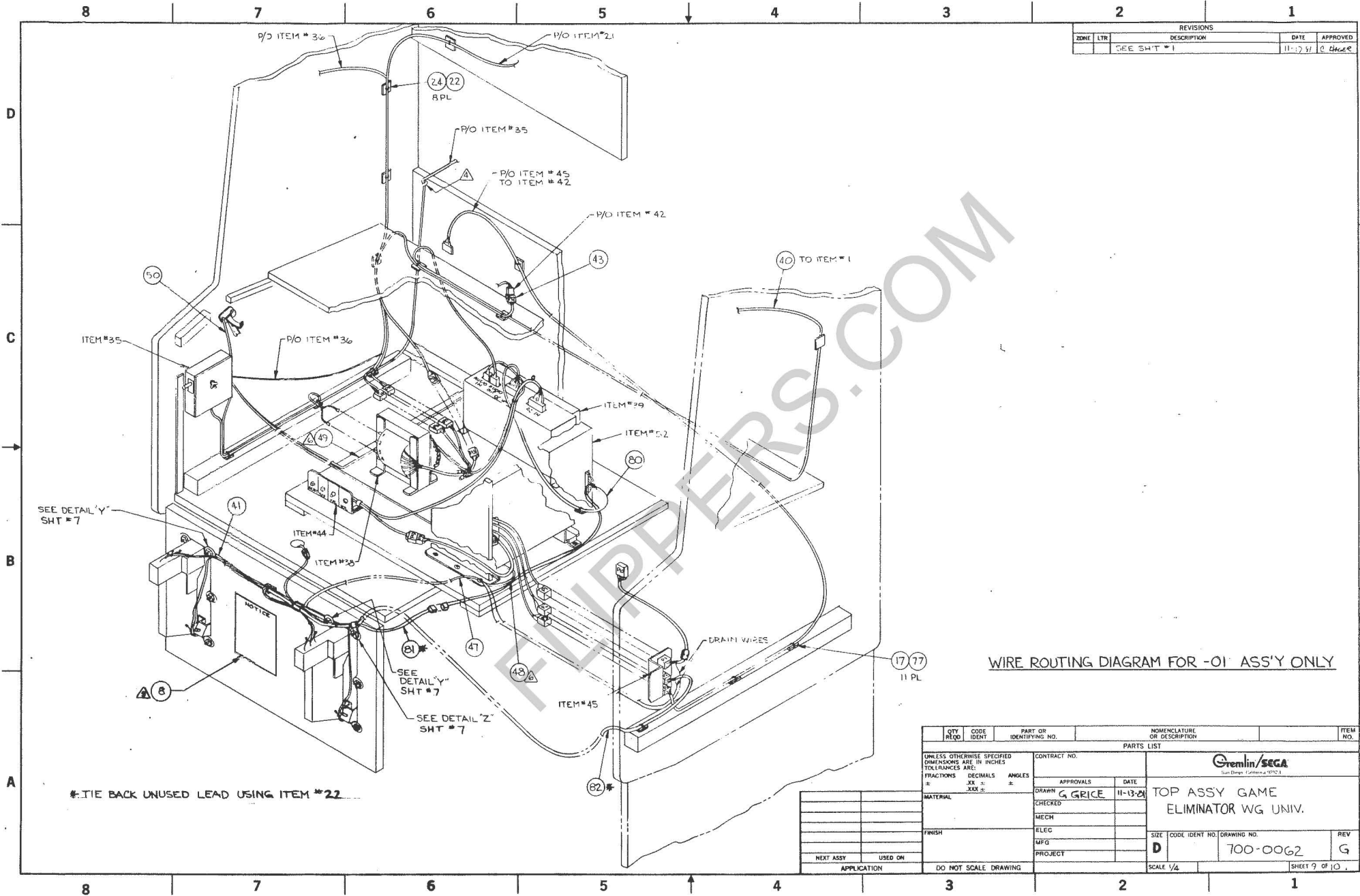
- △ STAPLE TO MOUNTING BOARD.  
 5 ALL HARNESS ASSY TO BE SECURED EVERY 3 TO 4 INCHES USING ITEM #22 EXCEPT ITEM #40 AND POWER CORD.  
 A △ INSTALL RESTRAINT KNOT IN POWER CORD PRIOR TO EXIT FROM CABINET.  
 △ STAPLE ITEM #10 TO COIN MECH DOOR USING 4-7/16 WIDE X 3/4 LG. 12 GA STAPLES.  
 △ APPLY DECAL, ITEM 53, OVER EXISTING GAME INSTRUCTIONS.  
 △ INSTALL ELEC CRIMP SLEEVE, ITEM 26, BEFORE SECURING COIN COUNTER ASSY, ITEM 46.

- △ APPLY DECAL, ITEM B, TO INSIDE OF COIN MECH DOOR BETWEEN TWO COIN MECHS, SO THAT IT CAN BE READ WHEN THE COIN MECH DOOR IS OPEN.  
 △ EXTRA VALUE TAG, ITEM #9 TO BE ATTACHED TO ONE (1) SCREW, ON ITEM #14, MOLDING, PANEL LOGO.  
 △ DISCARD WASHER AND TRIM WASHER THAT COMES WITH ITEM #6, LOCK, AND USE ITEM #25, LOCK, LOCK WASHER. PRONGS ON ITEM #25 MUST BE TOTALLY EMBEDDED INTO DOOR. JAM NUT TO BE TIGHTENED TO 15-20 FT.LB.

QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± .XXX ±		CONTRACT NO.	GREMLIN INDUSTRIES, INC. SAN DIEGO, CALIFORNIA 92123
MATERIAL		APPROVALS DATE DRAWN SON DUONG 6-11-81 CHECKED G. GRIFFIN 6-16-81	
FINISH		SIZE CODE IDENT NO. DRAWING NO.	REV
NEXT ASSY USED ON		D 700-0062	G
APPLICATION		DO NOT SCALE DRAWING	SHEET 6 OF 10

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700-0062



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHT #1	11-13-21	G. GRICE

WIRE ROUTING DIAGRAM FOR -01 ASS'Y ONLY

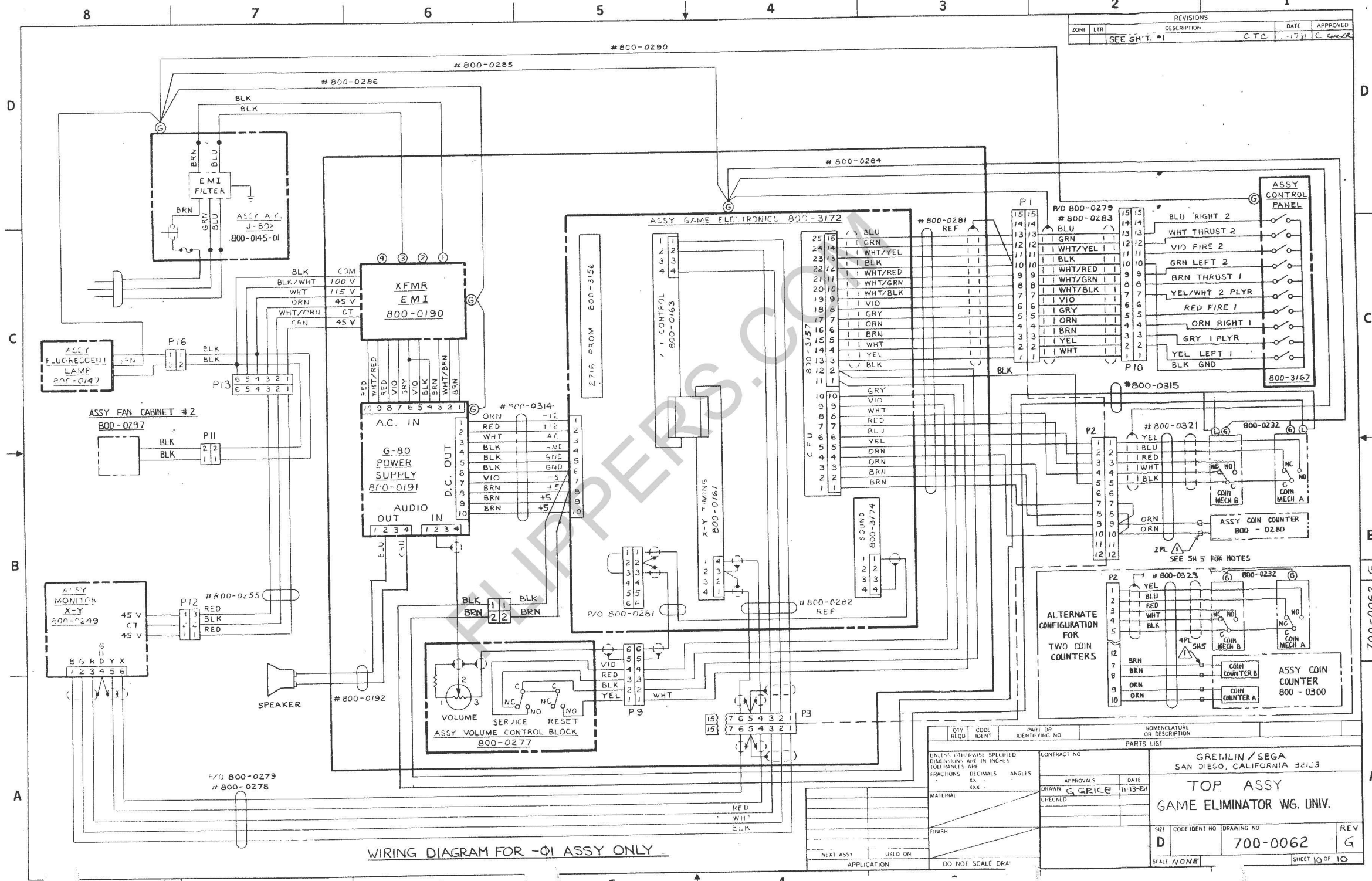
#TIE BACK UNUSED LEAD USING ITEM #22

QTY REQD	CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		CONTRACT NO.		
FRACTIONS	DECIMALS	ANGLES	APPROVALS	DATE
±	±	±	G. GRICE	11-13-21
MATERIAL		CHECKED		
		MECH		
FINISH		ELEC		
		MFG		
PROJECT		PROJECT		
NEXT ASSY USED ON		SIZE CODE IDENT NO. DRAWING NO.		
APPLICATION		D 700-0062		
		SCALE 1/4		
		SHEET 9 OF 10		

700-0062 G



REVISIONS					
ZONE	LTR	DESCRIPTION	DATE	APPROVED	
		SEE SH'T. #1	CTC	1-13-61	C. GRICE



WIRING DIAGRAM FOR -Ø1 ASSY ONLY

QTY	CODE	PART OR	NOMENCLATURE
REQD	IDENT	IDENTIFYING NO	OR DESCRIPTION
PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE FRACTIONS DECIMALS ANGLES XX XXX			
CONTRACT NO		GRENLIN/SEGA SAN DIEGO, CALIFORNIA 92113	
APPROVALS		DATE	
DRAWN G. GRICE		11-13-61	
CHECKED			
MATERIAL			
FINISH			
NEXT ASSY		USED ON	
APPLICATION		DO NOT SCALE DRAWING	
SIZE	CODE IDENT NO	DRAWING NO	REV
D		700-0062	G
SCALE	NONE		SHEET 10 OF 10

JAN 15 1981

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# SERVICE NOTE

**EFFECT:** ELIMINATOR

**NUMBER:** 005 12/16/81

A correction has been made to the ELIMINATOR Owner's Manual (P/N 420-0603) Drawing No. 700-0062-01, and to the ELIMINATOR Service Note 004, dated 11/11/81. Please correct your documentation to reflect the following:

	<u>ITEM</u>	<u>PART NO.</u>	<u>QTY REQD.</u>	<u>DESCRIPTION</u>
DELETE	21	800-0297	1	ASSY, FAN CABINET #2
ADD	21	260-0001	1	FAN, AXIAL COOLING, 110V
ADD	84	800-0322	1	ASSY, CORD FAN

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# SERVICE NOTE

EFFECT: FOUR-PLAYER ELIMINATOR

NUMBER: 001 2/11/82

An error has been found in the FOUR-PLAYER ELIMINATOR Owner's Manual (P/N 420-0705), page 72, Top Assembly Drawing No. 700-0071, Zone 6-D. Please correct your schematic as indicated:

