

Addendum for Paradise Lost™ Deluxe Systems

Document Part #: 040-0159-01

This document contains information that has changed or was not available when the System Manual was printed. Please keep this document with your System Manual for reference.

Contents:

- Now using Gigabyte GA-945GM-S2 Motherboard
 - Audio ports are different, as shown in *Figure 1*
 - BIOS (CMOS) Setup is Different (Page 2)
- Now using Dual GVRI/O PCB System for enhanced gun performance (Page 5)
- Gun Exploded-View Diagram and Parts List added (Page 7)
- Now using Mitsubishi 57" DLP Monitor (Part # WD-57733)

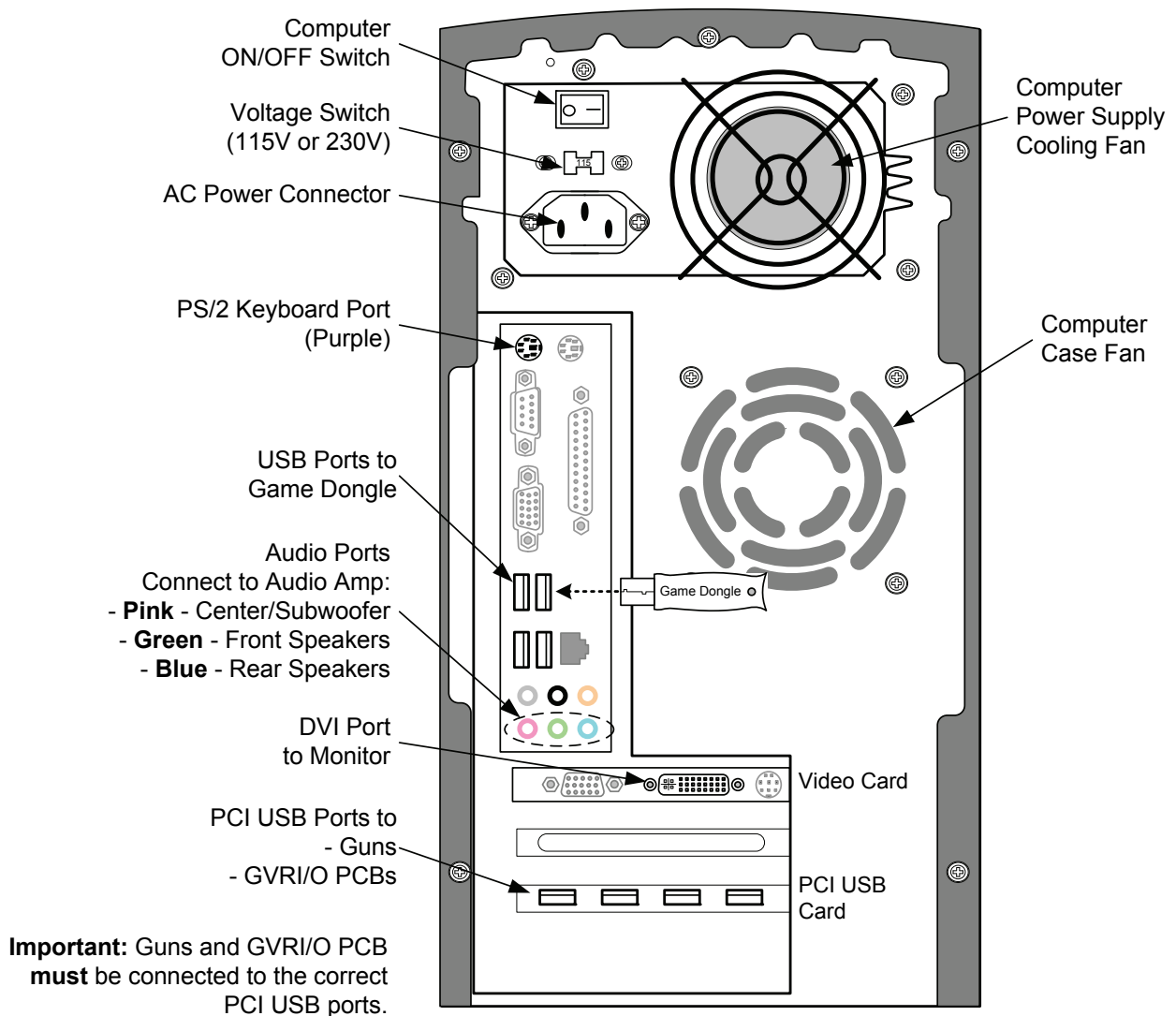


Figure 1. Computer Rear Panel Diagram—Gigabyte GA-945GM-S2 Motherboard

Setting the Computer BIOS (CMOS)

This procedure applies only to the Gigabyte GA-945GM-S2 Motherboard.

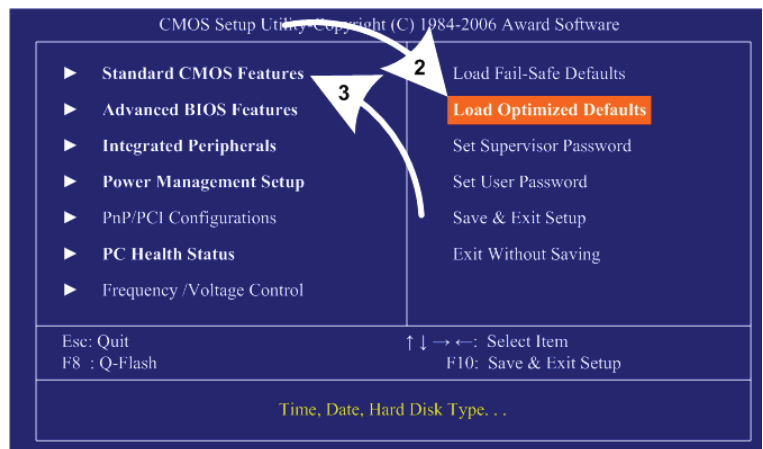
If you are comfortable using the CMOS Setup Utility, press the **DEL** key during boot to run the Utility, select **Load Optimized Defaults** from the Main Menu, and then change the settings shown in the table below. For more help, refer to the detailed instructions that follow.

Menu	Item	Setting
Standard CMOS Features	Drive A	None
	Halt On	No Errors
Advanced BIOS Features	Hard Disk Boot Priority	WDC-WD400BB-xxxxxx (Exact name will vary.)
	First Boot Device	CDROM
	Second Boot Device	Hard Disk
	Third Boot Device	Disabled
	USB Keyboard Support	Enabled
	USB Mouse Support	Enabled
	On Chip SATA	Disabled
Power Management Setup	AC Back Function	Full On
PC Health Status	CPU Smart FAN Control	Disabled

Important: Your screens may not look exactly like the screens shown below, and some settings shown on the screens pictures may be different from your system.

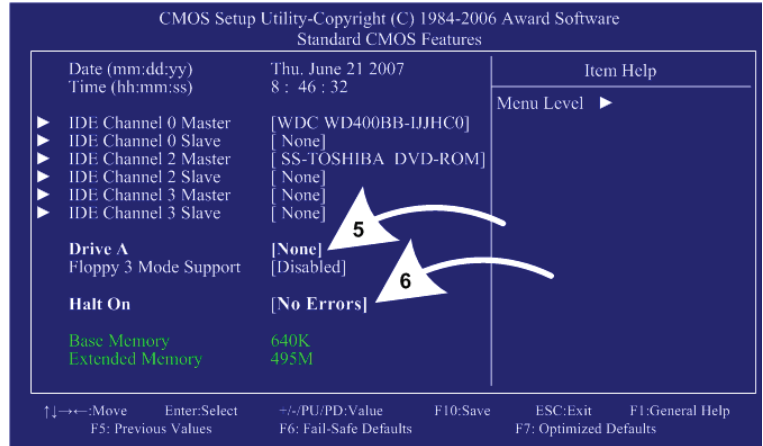
Do not change any settings that are not specifically described in this document.

1. Press the **DEL** key during boot. The CMOS Setup Utility Main Menu will appear:
2. Use the Arrow keys (**↑↓→←**) to select **Load Optimized Defaults**, and press **Enter**.
Press **Y** and **Enter** when prompted to confirm the change.
3. Use the Arrow keys to highlight **Standard CMOS Features**, and then press **Enter**.



4. A screen similar to the following will appear:
5. Use the Arrow keys to highlight the setting for **Drive A** and press **Enter**. Use the **Page Up** and **Page Down** keys to change the setting to **None**.
6. Change the setting for **Halt On** to **No Errors** the same way.

Press **ESC** to go back to the Main Menu.

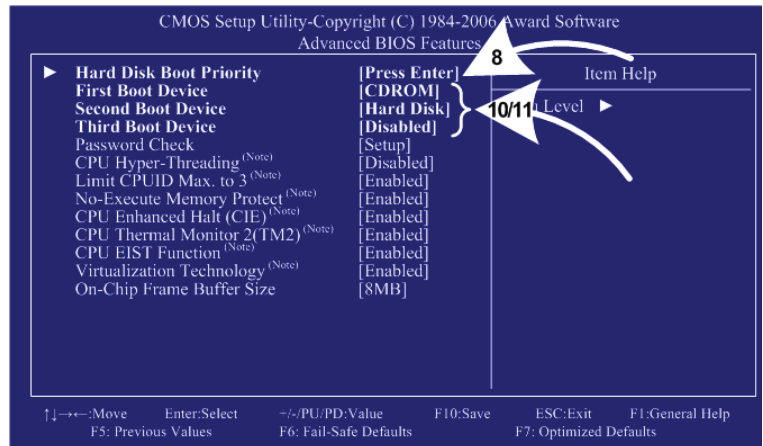


7. Now use the Arrow keys to highlight **Advanced BIOS Features** and press **Enter**. A screen similar to the following will appear:

8. Use the Arrow keys to highlight the setting for **Hard Disk Boot Priority** and press **Enter**.
9. A secondary screen will appear. Use the arrow keys to select the Hard Drive (it will look something like WDC-WD400BB-xxxxxx), and use the + key to move it to the top of the list.
10. Use the Arrow keys to highlight the setting for **First Boot Device** and press **Enter**.

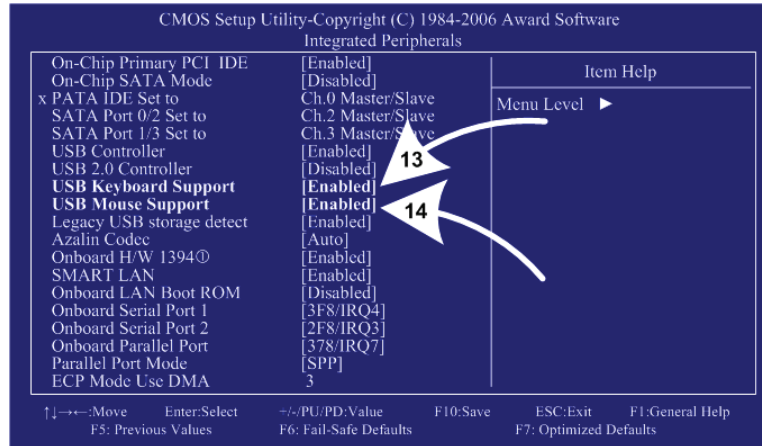
Use the **Page Up** and **Page Down** keys to change the setting to **DVDROM**.

11. Set **Second Boot Device** to **Hard Disk** and **Third Boot Device** to **Disabled** the same way. Press **ESC** to go back to the Main Menu.



12. Now use the Arrow keys to highlight **Integrated Peripherals** and press **Enter**.

A screen similar to the following will appear:



13. Use the Arrow keys to highlight the setting for **USB Keyboard Support** and press **Enter**.

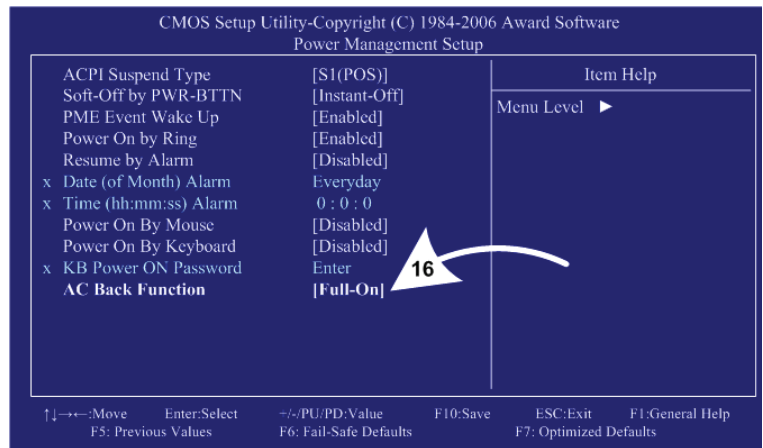
Use the **Page Up** and **Page Down** keys to change the setting to **Enabled**.

14. Use the Arrow keys to highlight the setting for **USB Mouse Support** and press **Enter**.

Use the **Page Up** and **Page Down** keys to change the setting to **Enabled**.

15. Now use the Arrow keys to highlight **Power Management Setup** and press **Enter**.

A screen similar to the following will appear:

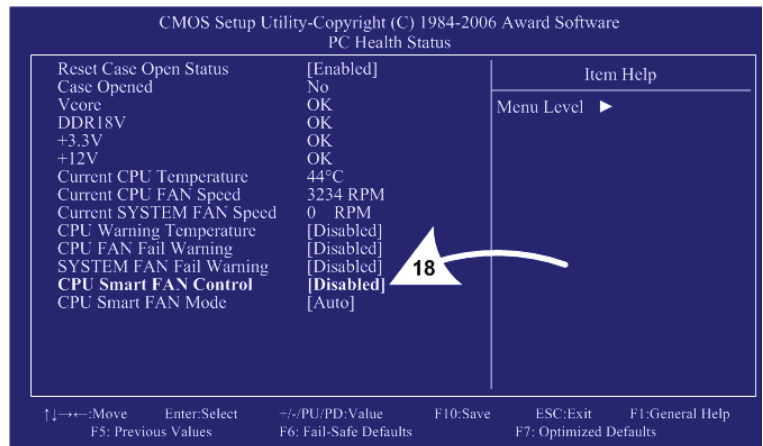


16. Use the Arrow keys to highlight the setting for **AC Back Function** and press **Enter**.

Use the **Page Up** and **Page Down** keys to change the setting to **Full-On**.

17. Now use the Arrow keys to highlight **PC Health Status** and press **Enter**.

A screen similar to the following will appear:



18. Use the Arrow keys to highlight the setting for **CPU Smart FAN Control** and press **Enter**.

Use the **Page Up** and **Page Down** keys to change the setting to **Disabled**.

19. Now that all settings are correct, press F10. The following prompt will appear:

Save to CMOS and EXIT (Y/N) Y

20. Make sure "Y" shows at the end of the prompt (use the arrow keys to select, if necessary), and press **Enter** to save the settings and exit.

Dual GVRI/O PCB System

The system uses two GVRI/O Mini PCBs to relay all signals between the system computer and the hardware devices. Each connector on the GVRI/O Mini PCB is keyed to fit only to the correct harness connector. Refer to the picture below to locate the connectors on the PCBs. See your system manual for detailed wiring information on the Primary PCB.

The **Primary PCB**, shown below on the left, is used for Operator buttons, coin mechs, and front speakers. The **Auxiliary PCB**, shown below on the right, is used exclusively to relay the gun position from the gun pots to the computer; it was added to enhance gun performance.

You can find the following information about the Auxiliary PCB under *Aux GVRI/O-Mini* at the bottom of the right side of the operator menu screens:

- **Board Version** Displays the version of the Auxiliary GVRI/O Mini PCB Installed.
- **Board Mode** Displays the board mode, which must be set to *Analog-2* by placing a jumper at **J5** position 2 (see Figure 3).



CAUTION: Disconnect the cabinet from AC power before changing any connections to the GVRI/O MINI PCB.

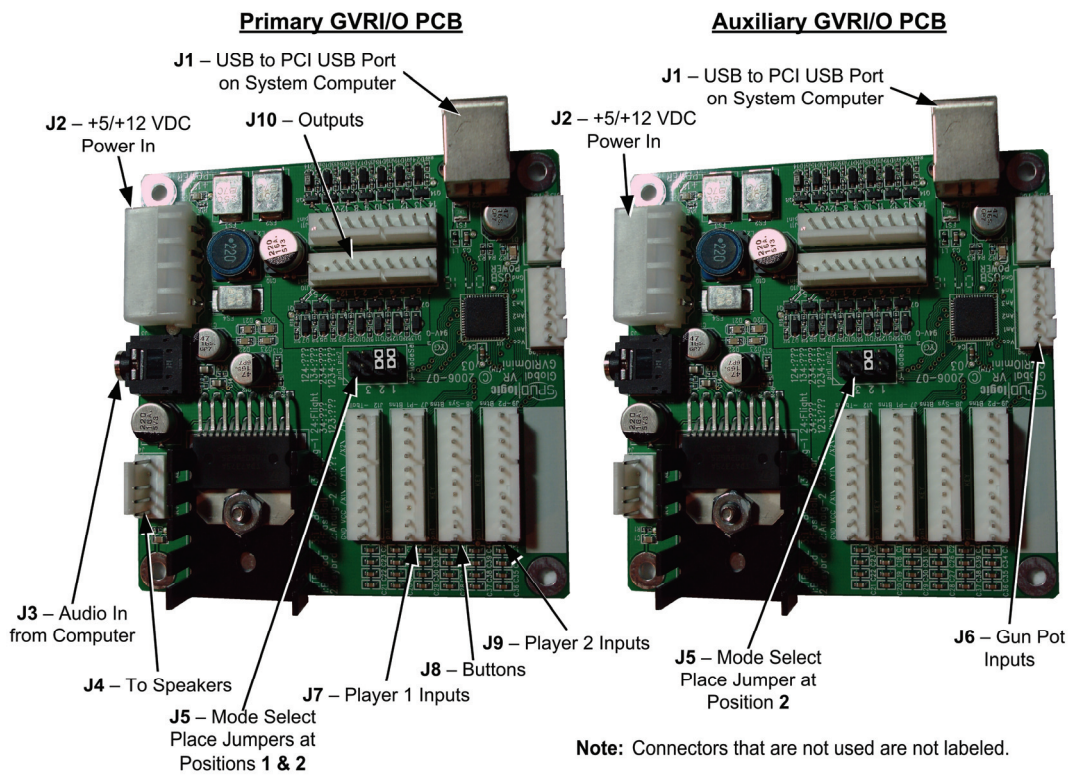


Figure 2. GVRI/O Mini PCB

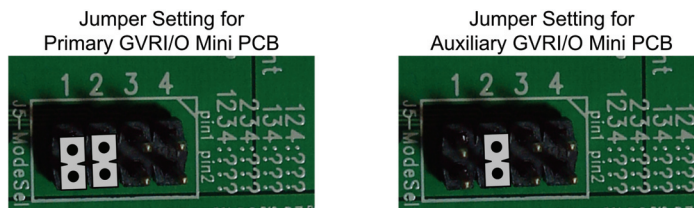


Figure 3. Jumper Settings Detail

The System manual shows the gun pots connected to J3 on the Gun PCB inside the gun, but the dual GVRI/O PCB system uses **J6** on the **Auxiliary GVRI/O PCB**, as shown in the figure below.

Future cabinets will use a new Gun PCB with enhanced performance, and will not require the Auxiliary GVRI/O PCB. The Gun PCB version for each gun is displayed on the right side of the Operator Menu screens under *Gun Devices*.

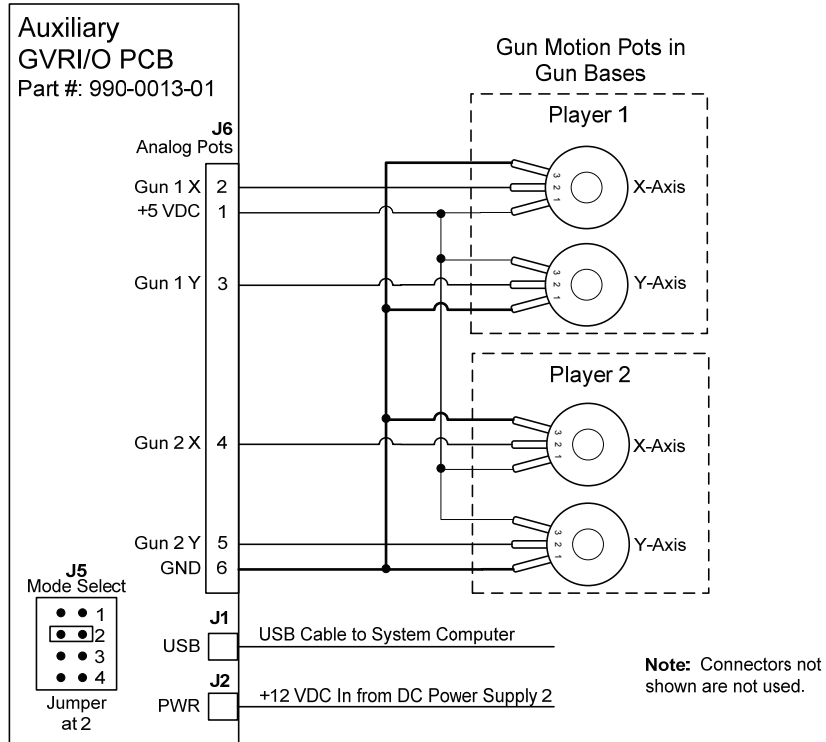


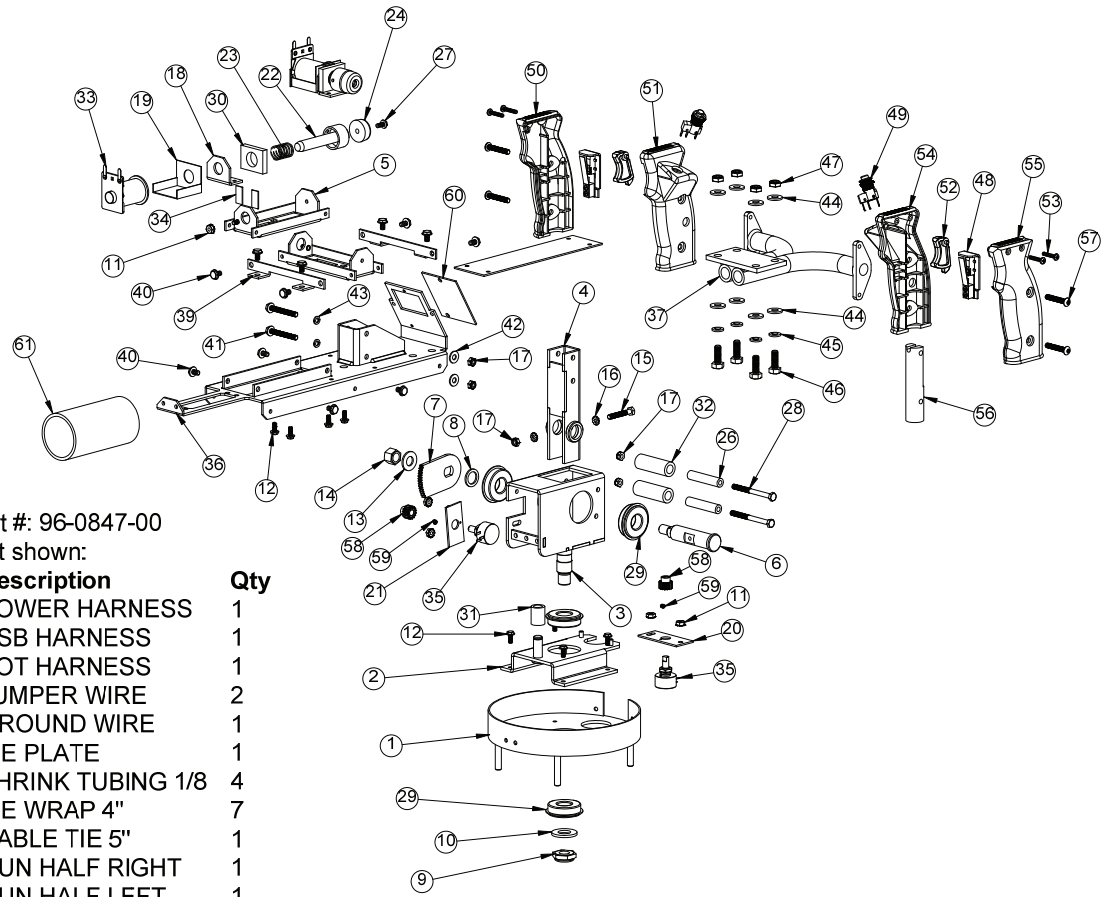
Figure 4. Auxiliary GVRI/O Wiring Diagram

Gun Parts (1 of 2)

Ref. #	QTY.	PART NO.	DESCRIPTION
1	1	96-4901-20	BOTTOM PLATE F/WMS ANALOG GUN
2	1	96-4937-00	BRACKET F/SWIVEL BASE ASSY.
3	1	96-4934-00	BRACKET PIVOT BOX & SHAFT ASSY.
4	1	96-4902-10	HANDLE SHORT WELDED,PAINTED& REAMED
5	2	96-4915-30	BRKT COIL MTG F/FAR CRY
6	1	96-4923-00	SHAFT 5/8 DIA.
7	1	96-4907-00	GEAR SEGMENT W/HUB
8	1	96-4960-00	SPACER SEGMENT GEAR
9	1	43-0232-00	NUT, HEX NYLOCK 1/2-20
10	1	43-0055-00	WASHER, FLAT 1/2 SAE
11	8	42-0082-00	NUT, KEPS 8-32
12	8	43-0252-00	SCREW, #8-32 x 3/8 HEX HEAD
13	1	43-0003-00	3/8 SAE FLAT WASHER ZNC PLTD
14	1	43-0092-00	NUT 3/8-16 NYLOCK
15	1	43-0280-00	HEX HEAD CAP SCREW 10-31 X 1-1/4
16	2	43-0037-00	LOCKWASHER, EXT #10
17	5	43-0253-00	NUT HEX 10-32 JAM NYLOCK ZINC PLATED
18	2	96-4900-00	COIL RETAINING BRACKET
19	2	96-4938-00	INSULATOR
20	1	96-4904-00	BRACKET POT MTG HORIZONTAL
21	1	96-4913-00	BRKT POT MTG VERTICAL
22	2	96-4936-00	PLUNGER F/SOLENOID
23	2	96-4931-00	SPRING COMPRESSION
24	2	96-4971-00	BUMPER SOLENOID STOP
25	1	96-4921-00	GEAR SEGMENT HUBLESS
26	2	43-6972-00	SPACER F/BUMPER
27	2	43-0188-00	SCREW, #8-32 x 3/8" HEX WASHER HD
28	2	43-0254-00	SCREW 10-32 X 2.25 HEX HD ZINC
29	4	96-4920-00	BEARING .625 BORE
30	2	96-4970-00	REAR BUMPER PAD
31	1	96-4911-10	BUMPER 3/4 DIA.
32	2	96-4919-00	BUMPER 5/8 DIA. VERTICAL
33	2	96-4935-00	COIL WITH TUBING
34	4	96-4973-00	PAD ADHESIVE FOAM TAPE
35	2	96-4916-00	LONG LIFE POT W/NUT & WSHR 5K
36	1	96-4915-10	DUAL COIL MTG BRKT F/FAR CRY
37	1	96-4902-FC	TUBE HANDLE WELDMENT FOR FAR CRY GRIPS
38	1	96-0848-00	LED TUBE MTG BRKT F/FAR CRY GUN MECH
39	2	96-4915-20	COIL SUPPORT BRKT F/FAR CRY
40	12	43-1152-00	SCREW 10-32 X 5/16 HHCS ZINC PLATED
41	2	43-2321-00	SCREW 10-32 X 1.50 HHCS GRADE 5 ZINC
42	2	43-0995-00	#10 FLAT WASHER
43	2	43-1307-00	LOCK WASHER
44	8	43-0215-00	FLAT WASHER 1/4 SAE ZINC PLTD
45	4	4701-00005-00	LOCKWASHER 1/4 SPLIT
46	4	43-0958-00	SCREW 1/4-20 X 3/4 HHCS ZINC
47	4	43-0121-00	NUT, 1/4-20 NYLOCK
48	2	95-4300-00	TRIGGER SWITCH ASSEMBLY,DA3
49	2	95-4400-00	PUSHBUTTON RED
50	1	96-2510-00	HANDLE, RIGHT OUTER
51	1	96-2512-06	HANDLE, RIGHT INNER
52	2	96-2515-00	TRIGGER, RED NEW STYLE
53	4	96-2519-00	#6 X 3/4 HIGH/LOW SCREW
54	1	96-2513-06	HANDLE, LEFT INNER
55	1	96-2511-00	HANDLE, LEFT OUTER
56	2	50-2667-10	PLUG HANDLE F/FAR CRY
57	4	43-1060-00	SCREW 10-32 X 1-3/16 BH TORX BLACK
58	2	96-4917-00	GEAR 32DP 16T .25 BORE .5 LONG
59	2	43-0270-00	SCREW SET 6-32 X 3/16 LG.CUP PT W/ PATCH
60	1	26122-00	PLEX-LENS F/FAR CRY
61	1	26123-00	TUBE-TRANS RED F/FAR CRY

Gun Parts (2 of 2)

Gun Assembly Part Number: 96-0847-00



Notes:

Gun Assembly Part #: 96-0847-00

Additional parts not shown:

Part Number	Description	Qty
115-0117-01	POWER HARNESS	1
115-0093-01	USB HARNESS	1
115-0094-10	POT HARNESS	1
95-1458-00	JUMPER WIRE	2
96-0874-00	GROUND WIRE	1
43-0127-00	TIE PLATE	1
96-0703-01	SHRINK TUBING 1/8	4
90-1013-00	TIE WRAP 4"	7
S-11136	CABLE TIE 5"	1
26105-01	GUN HALF RIGHT	1
26105-02	GUN HALF LEFT	1
METL6R	LED TUBE	1
990-0012-01	SEGMENT BOARD	1
43-2109-00	NYLON STANDOFF	2
43-2045-00	SCREW 4-40	2
43-1018-00	4-40 KEPS NUT	2
96-2516-00	SCREW 10-32	14
43-2331-00	RETAINING RING	1

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Figure 5. Gun Exploded-View Diagram

Gun Bellows Parts

Part Number	Qty	Description
26128-00	2	Gun Bellows
26130-00	2	Plastic Plate for Gun Bellows
37175-00	4	Strap for Gun Bellows
37176-00	2	Metal Plate for Gun Bellows