

GENERAL INSTRUCTIONS

FOR

LAZARIAN

INSTALLATION

1. Unlock and open the coin box door.
2. Remove four (4) "CABINET LEVELING LEGS" from inside the coin box.
3. Tip the cabinet to the side and remove the shipping cleats from its bottom.
 - ° Locate the threaded holes - one in each corner - and install the "CABINET LEVELING LEGS" in them.
 - ° Level the cabinet.
 - ° When finished, the cabinet should be stable in the upright position.
4. Plug the game into a **standard** A.C. wall outlet **ONLY** .

-----WARNING-----

Game **MUST** be properly grounded.

5. The power ON/OFF switch is located:
 - ° UPRIGHT MODEL: On top of the cabinet toward the back.
 - ° MINI MODEL: In the center of the cabinet back just below the rear access door.
 - ° COCKTAIL TABLE MODEL: Underneath the cabinet on Player No. 2's side.

LINE VOLTAGE SAFETY INTERLOCK SWITCHES

Line voltage SAFETY INTERLOCK SWITCHES have been provided for your protection. The locations of these SAFETY INTERLOCK SWITCHES are:

1. UPRIGHT MODEL: Inside the rear of the cabinet on the right side of the rear access door.

PART NO. M051-00636-A013

2. MINI MODEL: Inside the rear of the cabinet on the right side of the rear access door.
3. COCKTAIL TABEL MODEL: Inside the cabinet on the hinge side of the coin door.

When the cabinet access door(s) are secured in place, the SAFETY INTERLOCK SWITCH plunger(s) are in a fully depressed condition. The game circuit can function normally.

When any cabinet access door(s) are opened, the SAFETY INTERLOCK SWITCH plunger(s) are in a partially extended condition. This isolates the game circuit from the line voltage.

To restore power to the game circuit with the access door(s) open, gently pull the SAFETY INTERLOCK SWITCH plunger(s) out to the fully extended condition. **THIS IS TO BE USED FOR SERVICING THE GAME ONLY!**

TO PUT THE GAME INTO ITS CALIBRATION MODE

The game MUST be "ON". Then slide **SW#7** of SWITCH PACK SW-1 to the "OFF" position. At this time the game will display a GRID PATTERN on the monitor screen. This may be used for making any one of a number of adjustments to the game.

This GRID PATTERN will remain on the monitor screen until the above **SW#7** of SWITCH PACK SW-1 is returned to the "ON" position.

TO SERVICE THE CONTROL PANEL(S)

1. UPRIGHT MODEL:

- ° The control panel is held in place by three latches, one on the left side, one on the right side, and one in the center of the front of the cabinet.

They are spring loaded to provide constant positive pressure on their latch plates.

They can be reached through the coin door **AFTER** turning power to the game off.

To release the latches, lift up and toward the center of the control panel.

Once they are released, unhook them from their latch plates.

- ° To remove the control panel:

Raise it up and tilt it toward you until you can see the cable behind it.

Cradling the control panel between yourself and the cabinet, disconnect it from its cabling.

The control panel is now free and can be removed.

- ° To reinstall the control panel(s), reverse this procedure.

2. MINI MODEL:

- ° The control panel is held in place by two latches, one on the right side and one on the left side of the cabinet.

They are spring loaded to provide constant positive pressure on their latch plates.

They can be reached through the coin door **AFTER turning power to the game off.**

To release the latches, lift up and toward the center of the control panel.

Once they are released, unhook them from their latch plates.

- ° To remove the control panel:

Raise it up and tilt it toward you until you can see the cable behind it.

Cradling the control panel between yourself and the cabinet, disconnect it from its cabling.

The control panel is now free and can be removed.

- ° To reinstall the control panel(s), reverse this procedure.

3. COCKTAIL TABLE MODEL:

- ° Each control panel is held in place by several screws, two on the inside of the cabinet and three along the bottom edge of the control panel.

Turn the power off to the game.

Open the coin box door and release the two latches on the inside of the cabinet up next to the table top.

CAUTION: The right hand latch is very close to the **HIGH VOLTAGE** on the monitor. **BE CAREFUL!!**

Once they're released, unhook them from their latch plates.

Grasp the table top in the center above the coin door lifting up and to the side to tilt it open.

CAUTION: Due to the weight of the monitor, **EXTREME CARE MUST** be taken when opening the cabinet.

Remove the screws which secure the control panel in place.

- ° To remove the control panel(s):

Disconnect it from its cabling.

The control panel is now free and can be removed.

- ° To reinstall the control panel(s), reverse this procedure.

REMOVAL OF THE MAIN-DISPLAY-GLASS AND/OR THE T.V. BEZEL ASSEMBLY

1. UPRIGHT MODEL:

NOTE: In order to do this, the control panel **MUST** be removed first. See the "UPRIGHT MODEL" procedure.

- ° **Turn the power to the game off** and remove the control panel. This frees the main-display-glass so it can be lifted up.
- ° By putting your finger in the hole in the middle of the main-display-glass support, you can lift it up and out.
- ° Loosen the screws which secure the T.V. bezel-glass-clamps in place.

Move the clamps to the side and the bezel glass may be removed.

Remove the above mentioned screws and the bezel with four bezel-glass-clamps may be removed.

- ° To reinstall the T.V. bezel assembly and the main-display-glass, reverse this procedure.

2. MINI MODEL:

NOTE: In order to do this, the control panel **MUST** be removed first. See the "MINI MODEL" procedure.

- ° **Turn the power off to the game** and remove the control panel.
- ° Remove the screws which secure the glass clamping plate.
- ° Lift out the glass clamping plate. This frees the main-display-glass so it can be lifted up.
- ° By putting your finger in the hole in the middle of the main-display-glass support, you can lift it up and out.
- ° Remove the screws which secure the T.V. bezel assembly and lift it out.

NOTE: Use the hole in the center of the main-display-glass support to grasp it.

- ° Reverse this procedure to reinstall the T.V. bezel assembly and the main-display-glass.

3. COCKTAIL TABLE MODEL:

NOTE: This may be done with the table top in the open or the closed position. If you decide to open the table top, **TURN THE POWER TO THE GAME OFF FIRST.**

- ° Remove the screws which secure the table top glass clamps in place.
- ° Remove the table top glass.
- ° Loosen the screws which secure the T.V. bezel-glass-clamps in place.

Move the clamps to the side and the bezel glass may be removed.

Remove the screws which secure the bezel assembly to the table top and the bezel with four bezel-glass-clamps may be removed.

- ° To reinstall the T.V. bezel assembly and the table top glass, reverse this procedure.

VOLUME CONTROL POT

The volume control pot is located on the Sound board. This is a somewhat smaller P.C. Board than the main game P.C.Board. It may be reached through the coin door on the UPRIGHT and models and through the rear access door on the MINI models. On the COCKTAIL TABLE models, you will have to open the table top to reach it.

To make the sounds louder, turn the pot clockwise as you face it (↷).

To make the sounds less loud, turn the pot counterclockwise as you face it (↶).

VOLTAGE CONTROL POT

The voltage control pot is located on the Power Supply P. C. Board. It is pre-set at the factory and **SHOULD NOT** be tampered with at all **unless** the distributors service department is contacted first.

LAZARIAN
OPTION SWITCH SETTINGS

////////////////////////////////////DIP SWITCH SW-1////////////////////////////////////

	SW#1	SW#2	SW#3	SW#4	SW#5	SW#6	SW#7	SW#8
<u>COINS PER PLAY</u>								
2 COINS 1 PLAY	ON	ON	NOT	NOT				
* 1 COIN 1 PLAY	OFF	ON	USED	USED				
1 COIN 2 PLAYS	ON	OFF						
1 COIN 3 PLAYS	OFF	OFF						
<u>NUMBER OF SHIPS PER PLAY</u>								
2 SHIPS					ON	ON		
* 3 SHIPS					OFF	ON		
4 SHIPS					ON	OFF		
5 SHIPS					OFF	OFF		

SERVICE

	SW#1	SW#2	SW#3	SW#4	SW#5	SW#6	SW#7	SW#8
* CALIBRATION GRID NOT DISPLAYED							ON	
CALIBRATION GRID DISPLAYED							OFF	
"TEST" COLLISION DETECTION DISABLE								ON
* "GAME" COLLISION DETECTION NORMAL								OFF

////////////////////////////////////DIP SWITCH SW-2////////////////////////////////////

	SW#1	SW#2	SW#3	SW#4	SW#5	SW#6	SW#7	SW#8
<u>LASER FIRING CONTROL</u>								
NORMAL FIRE	NOT	ON						
* RAPID FIRE	USED	OFF						
<u>MONITOR CONTROL</u>								
* NORMAL OPERATION			ON					
FREEZE THE PICTURE			OFF					
<u>DIFFICULTY LEVEL</u>								
EASY GAME				ON	ON			
* MEDIUM GAME				OFF	ON			
DIFFICULT GAME				ON	OFF			
VERY DIFFICULT GAME				OFF	OFF			
<u>BONUS SHIPS AWARDED AT:</u>								
NO BONUS SHIP AWARDED						ON	ON	
10,000 POINTS - ONE SHIP ONLY						OFF	ON	
* 14,000 POINTS - ONE SHIP ONLY						ON	OFF	
18,000 POINTS - ONE SHIP ONLY						OFF	OFF	

* INDICATES FACTORY RECOMMENDED SETTINGS.

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