

# JR. PAC-MAN

## FIELD CONVERSION KITS

### IMPORTANT NOTE:

THIS MANUAL COVERS CONVERSION OF VARIOUS "PAC-MAN" GAMES TO A "JR. PAC-MAN" GAME ONLY!! FOR ANY OTHER INFORMATION, CONSULT THE "JR. PAC-MAN OPERATOR'S MANUAL" INCLUDED WITH YOUR CONVERSION KIT.

### INTRODUCTION

Depending on exactly what previous "PAC-MAN" game you currently wish to convert to a "JR. PAC-MAN" game, there are several conversion kits to choose from. And they **ARE NOT** interchangeable!

In an effort to keep this procedure as simple as possible, each of the various cabinet styles affected will be covered in the following pages.

There are six (6) conversion kits in all and they are described as follows:

KIT NO.	KIT DESCRIPTION	PART NO.
1	MS. PAC-MAN UPRIGHT & PAC-MAN UPRIGHT	GA29-00002-0000
2	MS. PAC-MAN COCKTAIL & PAC-MAN COCKTAIL	GA29-00002-0001
3	MS. PAC-MAN MINI	GA29-00002-0002
4	PAC-MAN MINI	GA29-00002-0003
5	SUPER PAC-MAN UPRIGHT	GA29-00002-0004
6	SUPER PAC-MAN COCKTAIL	GA29-00002-0005

## PRINTED CIRCUIT BOARD (PCB) REPLACEMENT

### UPRIGHT & MINI MODELS:

#### 1. GAINING ACCESS TO YOUR GAMES PRINTED CIRCUIT BOARDS (PCB's)

- PLEASE REFER TO THE "GENERAL INSTRUCTION MANUAL" PROVIDED WITH YOUR CONVERSION KIT TO DETERMINE THE EXACT METHOD FOR GAINING ACCESS TO YOUR PARTICULAR CABINET MODEL.
- Inside the cabinet are all the P.C.B.'s. Some of these are secured to the sides of the cabinet while others may be in a large metal card rack of one sort or another.
- Disconnect the P.C.B.'s which correspond to the ones provided in your conversion kit from all their cabling.
- Those that are mounted to the sides of the cabinet may be removed by first removing their P.C.B. support brackets. And those that are in the large metal card rack may be removed by lifting them straight up and out of the card rack.
- Once you have the P.C.B.'s loose, remove them from the back of the cabinet and replace them with the corresponding items provided in your conversion kit. **ALL ITEMS IN EACH KIT SHOULD BE USED IN YOUR GAME. THERE ARE NO EXTRA PARTS!**
- To install the replacement items, reverse this procedure.

**NOTE:** The P.C.B.'s are all keyed and will **ONLY** fit into their connectors one way without forcing them. The plugs on the cable harness which connect it to the P.C.B.'s are also keyed and will **ONLY** go onto their connectors one way without forcing them.

- After replacing the P.C.B.'s, be sure to run the game Self-Test.

#### 2. FOR REMOVAL AND REPLACEMENT INSTRUCTIONS REGARDING THE REMAINDER OF YOUR CONVERSION KIT PARTS, IF ANY, PLEASE REFER TO THE APPROPRIATE SECTIONS OF THE GENERAL INSTRUCTION MANUAL INCLUDED WITH YOUR CONVERSION KIT.

## PRINTED CIRCUIT BOARD (PCB) REPLACEMENT

### COCKTAIL TABLE MODELS:

#### 1. GAINING ACCESS TO YOUR GAMES PRINTED CIRCUIT BOARDS (PCB's)

- PLEASE REFER TO THE "GENERAL INSTRUCTION MANUAL" PROVIDED WITH YOUR CONVERSION KIT TO DETERMINE THE EXACT METHOD FOR GAINING ACCESS TO YOUR PARTICULAR TABLE MODEL.
- Inside the table are all the P.C.B.'s. Some of these are secured to the sides of the table while others may be in a large metal card rack of one sort or another.
- Disconnect the P.C.B.'s which correspond to the ones provided in your conversion kit from all their cabling.
- Those that are mounted to the sides of the table may be removed by first removing their P.C.B. support brackets. And those that are in the large metal card rack may be removed by lifting them straight up and out of the card rack.
- Once you have the P.C.B.'s loose, remove them from the table and replace them with the corresponding items provided in your conversion kit. **ALL ITEMS IN EACH KIT SHOULD BE USED IN YOUR GAME. THERE ARE NO EXTRA PARTS!**
- To install the replacement items, reverse this procedure.

**NOTE:** The P.C.B.'s are all keyed and will **ONLY** fit into their connectors one way without forcing them. The plugs on the cable harness which connect it to the P.C.B.'s are also keyed and will **ONLY** go onto their connectors one way without forcing them.

- After replacing the P.C.B.'s, be sure to run the game Self-Test.

#### 2. FOR REMOVAL AND REPLACEMENT INSTRUCTIONS REGARDING THE REMAINDER OF YOUR CONVERSION KIT PARTS, IF ANY, PLEASE REFER TO THE APPROPRIATE SECTIONS OF THE GENERAL INSTRUCTION MANUAL INCLUDED WITH YOUR CONVERSION KIT.

**PAC-MAN GAMES (OF VARYING TYPES) TO JR. PAC-MAN GAME - - CONVERSION KIT TABLE**

GAME	LOGIC BOARD		FILTER BOARD	
	JR. PAC (CONV) LOGIC - DC VERSION - A084-91688-CA29	JR. PAC (FIELD) LOGIC - AC VERSION - A084-91694-BA29	FCC FILTER BRD. MS. PAC-MAN A084-91485-D595	JR. PAC-MAN (SP) INTER FILTER PC A084-91698-AA29
TO CONVERT THE FOLLOWING GAMES TO JR. PAC-MAN				
PAC-MAN UPRIGHT MINI & COCKTAIL (FIELD KIT)		X	X	
MS. PAC-MAN ORIGINAL ONLY UPRIGHT, MINI & COCKTAIL MODELS (FIELD KIT)		X	X	
SUPER PAC-MAN UPRIGHT, MINI & COCKTAIL MODELS (FIELD KIT)	X			X
A SUPER PAC-MAN CONVERTED TO A MS. PAC-MAN VIA INSTALLATION OF A FIELD CONVERSION KIT	X		X	

\*SOME SUPER PAC-MAN GAMES CONTAIN PURCHASED LOGIC P.C.B.'S (FROM NAMCO). IN SUCH CASES, THE EXISTING INTERFACE CABLE WILL HAVE TO BE REMOVED AND SET ASIDE IN THE FIELD TO ACCOMMODATE THE FILTER BOARD SUPPLIED WITH YOUR CONVERSION KIT.

**JR. PAC-MAN**  
**GROUND STRAP KIT INSTALLATION INSTRUCTIONS**

**IMPORTANT NOTE:**

READ THESE INSTRUCTIONS THROUGH COMPLETELY AT LEAST ONCE BEFORE ATTEMPTING TO INSTALL THE GROUND STRAPS THEY REFER TO!!

THE FCC REQUIRES THAT ALL FIELD CONVERSIONS OF COIN OPERATED GAMES MADE AFTER DECEMBER 1, 1982 MUST COMPLY WITH THEIR REQUIREMENTS IN PART 15 OF THE FCC RULES FOR A CLASS A COMPUTING DEVICE. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA MAY CAUSE UNACCEPTABLE INTERFERENCE TO RADIO AND T.V. RECEPTION REQUIRING THE OPERATOR TO TAKE WHATEVER STEPS ARE NECESSARY TO CORRECT THE INTERFERENCE.

THIS KIT IS COMPOSED OF TWO (2) GROUND STRAPS AND THEIR ASSOCIATED MOUNTING HARDWARE. ONE IS 8" LONG AND THE OTHER IS 13" LONG. ALSO INCLUDED IS ADDITIONAL P.C. BOARD MOUNTING HARDWARE. THESE SHOULD BE INSTALLED WHERE INDICATED IN THE ATTACHED DRAWING.


\*\*\*\*\*TO INSTALL THE GROUND STRAP KIT, PROCEED AS FOLLOWS:\*\*\*\*\*

1. BE SURE THE POWER CORD TO THE GAME HAS BEEN DISCONNECTED FROM IT'S WALL OUTLET.
2. REFERRING TO THE ACCOMPANYING DRAWING, MOUNT THE 8" LONG GROUND STRAP BETWEEN THE LOGIC AND FILTER P.C. BOARDS (ON THEIR COMPONENT SIDES). SECURE IT IN PLACE WITH THE #6 SCREWS AND NUTS PROVIDED IN YOUR KIT - THESE NUTS MUST BE ON THE SOLDER SIDE OF BOTH BOARDS.
3. REMOVE THE #6 SCREW FROM THE LOWER LEFT CORNER OF THE LOGIC P.C. BOARD AND INSTALL IT IN THE UPPER LEFT CORNER OF THE SAME BOARD.
4. REFERRING TO THE ACCOMPANYING DRAWING, INSTALL THE P.C.BOARD END OF THE 13" GROUND STRAP TO THE INDICATED PLACE ON THE LOGIC P.C. BOARD. SECURE IT IN PLACE WITH THE #6 SCREW PROVIDED IN YOUR KIT.
5. THE OTHER END OF THE 13" GROUND STRAP WILL GO IN ONE OF TWO PLACES, DEPENDING ON WHICH MODEL GAME YOU HAVE:

IF YOU HAVE ONE OF THE NEWER GAMES THAT HAS A POWER CHASSIS, INSTALL THE REMAINING END OF THE 13" GROUND STRAP TO THE SAME PLACE ALL THE OTHER GROUND STRAPS ARE SECURED TO THE POWER CHASSIS.

IF YOU HAVE ONE OF THE OLDER GAMES THAT HAS A MECH. PANEL, INSTALL THE REMAINING END OF THE 13" GROUND STRAP TO EITHER OF THE LINE FILTER MOUNTING SCREWS.

6. THIS COMPLETES INSTALLATION OF THE GROUND STRAP KIT.
7. AFTER COMPLETING THE ABOVE STEPS, REMOVE THE FCC "DISCLAIMER LABEL" FROM THE REAR OF YOUR GAME (IT IS SILVER WITH BLACK PRINTING ON IT) AND REPLACE IT WITH THE ENCLOSED LABEL.
8. YOU HAVE NOW COMPLETED INSTALLATION OF ALL THE ENCLOSED ITEMS.

  
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