



**Kurz-Kasch, Inc.**

Electronics Division  
 Box 1246  
 1501 Webster Street  
 Dayton, Ohio 45401  
 Telephone (513) 223-8161

# Operating Instructions

## For Model

295A, 185B, 222C

SPACE INVADERS

MIDWAY

		SL2				START 2				SR2				5V
		x				x	x			x				
LLP	SL1	SL5	SL3	LRP		START 1	RLP	SR1	SR5	SR3	RRP	ON	OFF	
		x	x			x	x	x	x	x				
x		SL4		x	x	x	x		SR4		x			
		x							x					
	SL6		SL7			COIN		SR6		SR7		POWER		
	x		x			x		x		x	x			
												ON	OFF	

1. Insert the 185B card into the program B connector, number side up.
2. Insert the 295A card into the program A connector, number side up.
3. Insert the 222C card into the test fixture, number side up.
4. Insert the SPACE INVADERS mother board into the 222C card.
5. Connect the two cables from the 295A card to the game board, with red dot showing. Connect a speaker to the speaker leads.
6. Push COIN to coin the game, START 2 to reset the board.
7. Start the game with the switch on the 295A card.
8.
 

SL-1	MOVE RIGHT
SL-2	MOVE LEFT
SL-5	FIRE

INSTRUCTIONS:

1. Use NOP 8080
2. Clock Pin 17 of 8080 (White)
3. Ground Pin 20P 8080 (Black)
4. Start

Collective Pin 38 of 8080  
 ROM H1 E2-1 ✓  
 G1 E2-2 ✓  
 F1 E2-3 ✓  
 E1 E2-4 ✓

5. Stop  
 Collective Pin 38 of 8080 (Blue)  
 ROM H1 E2-1 ✓  
 G1 E2-2 ✓  
 F1 E2-3 ✓  
 E1 E2-4 ✓

6. VCC = 1180

7. Hit Reset until Signature at E2-1 is 6055 each ROM test.

