

BLACK HEART DIP SWITCH INSTRUCTION

DIP SWITCH I

DIFFICULTY	NUMBER OF SHIP				DIFFICULTY	NUMBER OF SHIP
	1	2	3	4		
○	○	○				INITIAL 5SHIPS
○	○	○				INITIAL 4SHIPS
○	○	○				INITIAL 2SHIPS
○	○	○				INITIAL 3SHIPS
○	○	○	○	○	○	FLIP FLOP
○	○	○	○	○	○	NO FLIP FLOP
○	○	○	○	○	○	TOP DIFFICULT
○	○	○	○	○	○	MORE DIFFICULT
○	○	○	○	○	○	DIFFICULT
○	○	○	○	○	○	NORMAL

Solder side	Terminal No.	Component side
GND	A 1	GND
GND	B 2	GND
+5V	C 3	+5V
+5V	D 4	+5V
	E 5	
+12V	F 6	+12V
Error insertion protect key	H 7	Error insertion protect key
COIN COUNTER 2	J 8	COIN COUNTER 1
	K 9	
Speaker (-)	L 10	Speaker (+)
	M 11	
Video GREEN	N 12	Video RED
Video SYNC	P 13	Video BLUE
Service switch	R 14	Video GND
	S 15	
Coin switch 2	T 16	Coin switch 1
Start switch 2	U 17	Start switch 1
2p Control 1 UP	V 18	1p Control 1 UP
2p Control 2 DOWN	W 19	1p Control 2 DOWN
2p Control 3 LEFT	X 20	1p Control 3 LEFT
2p Control 4 RIGHT	Y 21	1p Control 4 RIGHT
2p Control 5 PUSH 1	Z 22	1p Control 5 PUSH 1
2p Control 6 PUSH 2	a 23	1p Control 6 PUSH 2
	b 24	
	c 25	
	d 26	
GND	e 27	GND
GND	f 28	GND

Black Heart

DIP SWITCH 2

	1	2	3	4	5	6	7	8		
COIN SHUTE 1	×	×	×						1 COIN	1 CREDIT
	○	×	×						1 COIN	2 CREDIT
	×	○	×						1 COIN	3 CREDIT
	○	○	×						1 COIN	4 CREDIT
	×	×	○						2 COIN	1 CREDIT
	○	×	○						3 COIN	1 CREDIT
	×	○	○						4 COIN	1 CREDIT
	○	○	○						FREE GAME	
COIN SHUTE 2				×	×	×			1 COIN	1 CREDIT
				○	×	×			1 COIN	2 CREDIT
				×	○	×			1 COIN	3 CREDIT
				○	○	×			1 COIN	4 CREDIT
				×	×	○			2 COIN	1 CREDIT
				○	×	○			3 COIN	1 CREDIT
				×	○	○			4 COIN	1 CREDIT
				○	○	○			FREE GAME	
DEMO							×		WITH SOUND	
							○		NON SOUND	

○ ON
 × OFF

