

## CONTROL BOARD SWITCH ADJUSTMENTS

There are 32 switches on the control board which permit adjustment of the game parameters. These switches are contained in four packages of eight switches each, as shown below:

S1-S8	S9-S16	S17-S24	S25-S32
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SWITCHES	COIN CHUTE ADJUSTMENTS
S1 S2 S3 S4 _____	Left Chute
S5 S6 S7 S8 _____	Right Chute
S9 S10 S11 S12 _____	Center Chute

NOTE: FOR GERMAN GAMES ONLY, switches S5-S8 adjust the center chute and S9-S12 adjust the right chute.

COIN/CREDITS	
OFF OFF OFF OFF	1/1
OFF OFF OFF ON	1/2
OFF OFF ON OFF	1/3
OFF OFF ON ON	1/4
OFF ON OFF OFF	1/5
OFF ON OFF ON	1/6
OFF ON ON OFF	1/7
OFF ON ON ON	1/8
ON OFF OFF OFF	1/9
ON OFF OFF ON	2/1*
ON OFF ON OFF	2/2*
ON OFF ON ON	2/3*
ON ON OFF OFF	2/4*
ON ON OFF ON	2/5*
ON ON ON OFF	1/1 and 2/3*
ON ON ON ON	3/1*

NO CREDITS UNTIL LAST COIN INSERTED.

**SWITCH 13** \_\_\_\_\_ **EXTRA CREDITS**  
 ON ..... Adds 9 credits to center coin chute setting  
 OFF ..... No effect  
 NOTE: FOR GERMAN GAMES ONLY, Switch 13 adds 9 credits to the **right** coin chute setting, when ON.

**SWITCH 14** \_\_\_\_\_ **COIN CHUTE CONTROL**  
 ON ..... Left and Right Chutes Same  
 OFF ..... Left and Right Chutes Separate  
 NOTE: FOR GERMAN GAMES ONLY, Switch 14 controls the **left** and **center** coin chutes.

**SWITCHES 15 16** \_\_\_\_\_ **MAXIMUM CREDITS**  
 OFF OFF ..... 8  
 OFF ON ..... 10  
 ON OFF ..... 15  
 ON ON ..... 25

**SWITCH 17** \_\_\_\_\_ **BALLS PER GAME**  
 ON ..... 3  
 OFF ..... 5

**SWITCH 18** \_\_\_\_\_ **MATCH FEATURE**  
 ON ..... ON  
 OFF ..... OFF

**SWITCH 19** \_\_\_\_\_ **REPLAY LIMIT**  
 ON ..... Limits each player to one replay per game  
 OFF ..... No replay limit

**SWITCH 20** \_\_\_\_\_ **NOVELTY MODE**  
 ON ..... Playfield SPECIAL and EXTRA BALL feature award 50,000 points and 5 knocks. High score, high game to date, and match features disabled.  
 OFF ..... Normal game mode.  
 NOTE: SWITCH 20 overrides SWITCH 21.

**SWITCH 21** \_\_\_\_\_ **GAME MODE**  
 ON ..... Extra Ball  
 OFF ..... Replay  
 NOTE: IF SWITCH 21 is ON, the high game to data and match awards are disabled.

**SWITCH 22** \_\_\_\_\_ **PLAYFIELD SPECIAL**  
 ON ..... Awards Extra Ball  
 OFF ..... Awards Special

**SWITCHES 23 24** \_\_\_\_\_ **HIGH GAME TO DATE**  
 OFF OFF ..... Not displayed—no award  
 OFF ON ..... Displayed—no award  
 ON OFF ..... Displayed—awards 2 replays  
 ON ON ..... Displayed—awards 3 replays

**SWITCH 25** \_\_\_\_\_ **SOUND WHEN SCORING?**  
 ON ..... Yes  
 OFF ..... No

**SWITCH 26** \_\_\_\_\_ **REPLAY BUTTON TUNE?**  
 ON ..... Yes  
 OFF ..... No

**SWITCH 27** \_\_\_\_\_ **COIN SWITCH TUNE?**  
 ON ..... Yes  
 OFF ..... No

**SWITCH 28** \_\_\_\_\_ **CREDITS DISPLAYED?**  
 ON ..... Yes  
 OFF ..... No

**SWITCH 29** \_\_\_\_\_ **TILT PENALTY**  
 ON ..... Ball in play only  
 OFF ..... Game over

**SWITCH 30** \_\_\_\_\_ **ATTRACT FEATURES**  
 ON ..... ON  
 OFF ..... OFF

**SWITCHES 31, 32** \_\_\_\_\_ **LIBERAL-CONSERVATIVE**  
 (See Game Instruction Manual)

Used fonts: Helvetica CE

**Cards status:**

A-20000 Control Board Switch Adjustments card confirmed.  
Mostly used for Gottlieb System 80 machines.

Enjoy and have fun,  
Peter

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