Important Note to Operators If the operators manual was not included in this game when you unpacked it, contact your distributor to get a free copy. (All Atari manuals for coin operated games also include complete illustrated parts lists).

Self-Test Displays

Turn on the self-test switch on the utility panel inside the coin door to obtain Screen 1 (Operator Information Display). Screen 1 shows the condition of the gamma microprocessor RAM and ROM and its location. Press the auxiliary coin switch to end each display and obtain the next display.

NOTE

If a locked condition (blank screen) occurs, turn the self-test switch off and on again. If the game does not restart, troubleshoot the game reset circuitry.

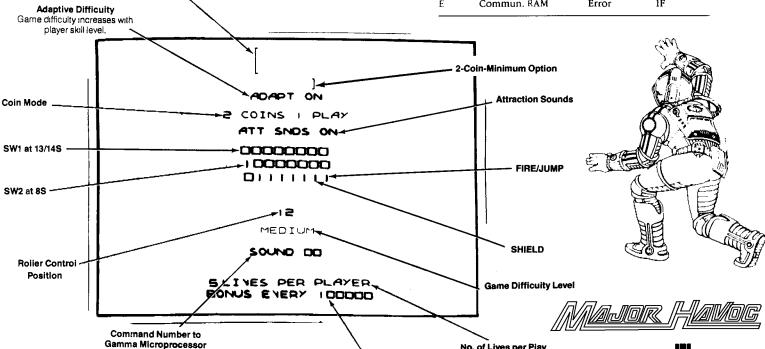
Gamma Microprocessor Error

Gamma Processor Faulty Component Locations (see Screen 1: Operator Information Display).

		<u> </u>		
Identifier	Meaning	Location		
R	Gamma RAM Error	9P/Q		
0	Gamma ROM Error	98		
P	Custom IC Error	13Q		
E	EEROM Error	9Q/R		

Alpha Processor Faulty Component Locations (see Screen 2: Alpha Processor Display)

Iden- tifier	Hex Location	Definition	PCB Location
A	0000 07FF	RAM Error	ıJ/K
В	0800-08FF & Swap 0200-0700	RAM	1Н/Ј
С	Vector Gen Low	RAM Error	6M/N
D	Vector Gen.—High	RAM Error	6L/M
E	Commun. RAM	Error	1F



Press SHIELD button to advance through sounds or functions.

Press FIRE/JUMP button to

activate the sound or function. Reset High Scores

Activating this function replaces the game High-Score Table with the default set of high scores. To see the High-Score Table, enter the Attract Mode and spin the Roller Control to the left. Spin the Roller Control to the right to re-enter the Attract Mode.

To reset high scores to default set tings, hold down the right coin switch. Then, depress and release FIRE/JUMP button. You will hear a loud hissing sound. Wait for this sound to finish before exiting self test. Wait 10 seconds before turning the game off or leaving the Self-Test Mode.

> **Left Coin Counter Right Coin Counter** Sounds Off Sound Values

NOTE-

If the ROM checksum is correct, neither the self-test ROM identifier (a single character) nor the checksum (a double character) appears on the screen.

ROM Locations of Checksum Errors (see Screen 2: Alpha Processor Display)

Identifier	PCB Location
Δ	1N/P
9	1N/P
8	1Q
7	1Q 1Q 1L*
6	1L*
5	1M/N*
4	бЈ/К
3	бJ/К
2	бн
i	бн
0	6K/L*

*This ROM must be good for self test to function.

Bonus Life Earned Every xx Points

M A Warner Communications Company

RAM Locations E Always Appears; Ignore E. Checksum Error ROM Locations **Auxiliary Coin Counter** Left Coin Mechanism **Right Coin** Mechanism **Not Used** 3 5 Not Used **Not Used** 2-Coin-Minimum Option

No. of Lives per Piay

Switch Settings for Play Options

1	2	3	4	5	(SW1 at 6	7	8	Option		
									Starting Lives	S
								Free Play	1 Coin Setting	2 Coin Setting
Off	Off							2	3	5◀ `
On	On							3	4	4
On	Off							4	5	6
Off	On							5	6	7
								Game Diff	iculty	
		On	On					Hard	•	
		Off	Off					Medium◀		
		Off	On					Easy		
		On	Off					Demo		
								Bonus Life	:	
				On	On	,		Bonus Life a	t 50,000 points	
				Off	Off			Bonus Life a	tt 100,000 points◀	
				Off	On			Bonus Life a	t 200,000 points	
				On	Off			No Bonus L	ife	
								Attract Mo	de Sound	
						On		Silence		
						Off		Sound◀		
◄ /	Manufact	urer's rec	commend	ed setting	gs			Adaptive I	Difficulty*	
*G	ame diffi	culty incr	eases wit	h player s	kill level		On	No	,	
_		,	-	. ,			066	37		

ettin	gs of 8-Te	oggle Sv	vitch on					
1	2	3	4	5	6	7	8	Option
						On	Off	Free Play
						Off	Off	1 coin for 1 game (or 1 player)
						On	On	1 coin for 2 games (or 2 player)
∢ Man	ufacture	r's recom	mended	settings		Off	On	2 coins for 1 game (or 1 player◀
								Right Coin Mechanism
				Off	Off			Right coin mech × 1◀
				Off	On			Right coin mech \times 4
				On	Off			Right coin mech \times 5
				On	On			Right coin mech \times 6
								Left Coin Mechanism
			Off					Left coin mech × 1◀
			On					Left coin mech \times 2
								Bonus Coin Adder
Off	Off	Off						No Bonus coins◀
Off	On	Off						For every 4 coins, game logic adds 1 coin
Off	On	On						For every 4 coins, game logic adds 2 coins
On	Off	Off						For every 5 coins, game logic adds 1 coin
On	Off	On						For every 3 coins, game logic adds 1 coin
								2-Coin Minimum*
								2 Com minimum

^{*} This game has the ability to select the 2-coin-minimum capability which requires the player to pay for two games in advance.