



Kurz-Kasch, Inc.

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

Operating Instructions

For Model 283B

MOTHER BOARD II

MIDWAY

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

The 283B card is the power supply for the new Midway Mother Board and replaces the 185B card.

The spare parts can be used to make a cable when using a color monitor. The push button switch is reset.

The Mother Board can be powered up without the game board, or with the game board and no program A card. Video will be seen on the screen.



Kurz-Kasch, Inc.

Electronics Division
 Box 1246
 2876 Culver Ave.
 Dayton, Ohio 45401
 Telephone (513) 296-0330

Operating Instructions

For Model

219 A, B

LEMANS

ATARI

		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	x	x	x	x			
		SL4							SR4					
		x							x					
	SL6		SL7			COIN		SR6		SR7		POWER		
	x		x			x		x		x	x	ON	OFF	

1. Insert 219 A card into program "A" connector, number side up.
2. Insert 219 B card into program "B" connector, number side up.
3. Insert game board into test fixture using 22 pin orientation.
4. Connect speaker across RED and BLACK leads on 219 A card.
5. Push POWER switch to ON.
6. Push COIN switch once, ST (credit LED) will light on 219 B card.
7. Push START 1 switch once.
8. SR6 is GAS
 SR1 is 1st GEAR
 SR2 is 2nd GEAR
 SR3 is 3rd GEAR
 SR4 is 4th GEAR
 SR7 is BRAKE
9. SR5 is STEERING RIGHT
 SL5 is STEERING LEFT
10. EXT (extended play) LED is on 219 B card.



Kurz-Kasch, Inc.

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Operating Instructions

For Model 215A, 185B,C

TORNADO BASEBALL

MIDWAY



Kurz-Kasch, Inc.

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Operating Instructions For Model 283B

MOTHER BOARD II

MIDWAY

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

The 283B card is the power supply for the new Midway Mother Board and replaces the 185B card.

The spare parts can be used to make a cable when using a color monitor. The push button switch is reset.

The Mother Board can be powered up without the game board, or with the game board and no program A card. Video will be seen on the screen.