

Kurz-Kasch, Inc.

Electronics Division
Box 1246 ● 2271 Arbor Blvd.
Dayton, Ohio 45439
Telephone (513) 299-0990

For Model	313ABC	
	HEAD-ON	

GREMLIN

Operating Instructions

	N.	SL2		,		START 2			SR2			5	5 V
LLP	SL1	x SL5	SL3	LRP	x	x START1	RLP	SR1	x SR5	SR3	RRP	ON	OFF
x	x	x SL4	x	×	×	×	x	. x	x SR4	×	x		
	SL6	x	SL7			COIN		SR6	x	SR7		POW	ER
	x		×		. A 	, x		***		x .	×	ON	OFF

- 1. Insert 313B card in TF-650 "B" port, number side up.
- 2. Insert 313A card in TF-650 "A" port, number side up.
- 3. Insert 313C card in TF-650 "C" port, number side up.
- 4. Connect cables from "C" card to HEAD-ON board.

10 pin molex (5 wires) to power connector 8 pin molex (2 wires) to video connector 10 pin molex (7 wires) to P-l connector 15 pin molex (5 wires) to coin door connector.

- 5. Turn on 5VDC and then power switch on TF-650.
- 6. Controls are as follows:

Coin - COIN SR-5 - SPEED

These are screen directions:

SR-1 - CAR LEFT SR-2 - CAR UP SR-3 - CAR RIGHT SR-4 - CAR DOWN

- 7. Switch on "A card" (advert) is the advertising switch-This should be in OFF position for test.
- 8. The COIN LED on "A card" should FLASH each time "COIN" on TF-650 is pushed.

Z80 NOP Clock 21 Start/Stop 5 GND 29 VCC 0001

1. CPU Signatures per page 18 of Signature II Manual for Z80.

2. The ROM Signatures are for ROMS marked; 163A, 164A, 165A, 166B, 167A, 192A, 193.

CLOCK CPU NOP 21 J GND CPU NOP 29 VCC = 8P54 START/ROM pin 20 L STOP ROM pin 20 J

PIN	SIGNATURE				
9 10 11 13 14 15 16	PFA8 121P P181 35H6 FU54 U84U FFA0 965C				
20	8P54				

TO CLOCK CONTROLS GROUND PIN 20 of CPU FOR THIS TEST

Same as ROM connections

SWITCH	<u>U-1</u>	SW OPEN	SW CLOSED
UID on 313A SR-1 SR-2	Pin 16 5 7	121P FFAO 965C	FAHA 2A83 2F7C
SR-3	9	FU54	53AF
SR-4	3	U84U	91A7
SR-5	12	35H6	54U8

Coin switch should give a pulse when probe tip is on U71-8 (a high going low when coin is pushed)