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Operating Instructions

For Model

313ABC

HEAD-ON

GREMLIN

		SL2				START 2			SR2				5V	
		x				x	x		x					
LLP	SL1	SL5	SL3	LAP			RLP	SR1	SR5	SR3	RRP		ON	OFF
		x	x			START1		x	x	x				
x		SL4		x	x	x	x		SR4		x			
		x							x					
	SL6		SL7			COIN		SR6		SR7			POWER	
	x		x			x		x		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-1 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 ⌋
 GND CPU NOP 29 VCC = 8P54
 START/ROM pin 20 ⌋
 STOP ROM pin 20 ⌋ GND CPU Pin 20

<u>PIN</u>	<u>SIGNATURE</u>
9	PFA8
10	121P
11	P181
13	35H6
14	FU54
15	U84U
16	FFA0
17	965C
20	8P54

TO CLOCK CONTROLS
GROUND PIN 20 of CPU FOR THIS TEST

Same as ROM connections

<u>SWITCH</u>	<u>U-1</u>	<u>SW OPEN</u>	<u>SW CLOSED</u>
UID on 313A Pin 16		121P	FAHA
SR-1	5	FFA0	2A83
SR-2	7	965C	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)