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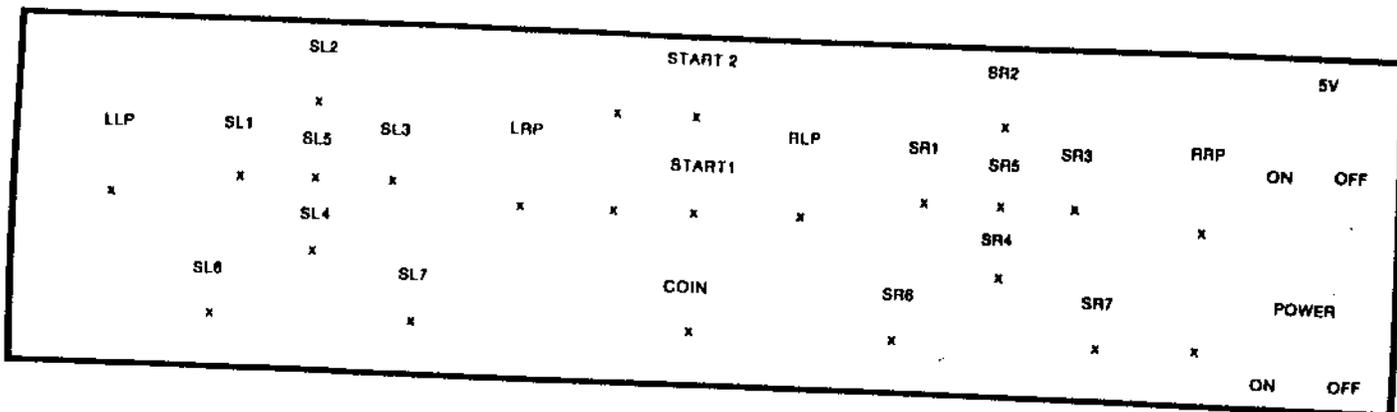
Operating Instructions

For Model 385A/385D

ROBOTRON/JOUST

Bubbles

WILLIAMS



1. Insert 385A program card into "A" slot of TF-650, with number side up.
2. Hook the 10 pin-7 wire connector to 2J3 on the ROM board.
3. Hook the 6 pin-2 wire connector to 2J2 on the ROM board.
4. Hook the 10 pin-2 wire connector to 3J2 on the INTERFACE board.
5. Hook the 10 pin-9 wire connector to 3J3 on the INTERFACE board.
6. Hook the 9 pin-5 wire connector to 1J1 on the CPU board.
7. Hook the 7 pin-5 wire connector to 1J3 on the CPU board.
8. Slide 5V to ON.
9. Slide POWER to ON.
10. Controls are:

COIN-----RIGHT COIN
 SL6-----LEFT COIN
 SL7-----CENTER COIN
 SL1-----AUTO UP-MAN DOWN
 SL3-----ADVANCE
 SL2-----HIGH SCORE
 SL4-----SLAM
 SR1-----MOVE LEFT
 SR2-----MOVE UP
 SR3-----MOVE RIGHT
 SR4-----MOVE DOWN
 SR5-----FIRE RIGHT
 SR6-----FIRE UP
 SR7-----FIRE DOWN
 SL5-----FIRE LEFT

11. An adapter board is used to operate "JOUST"-----385D .
12. The 385D adapter board is hooked up between the 385A connectors and the interface board at 3J2 and 3J3.

Control for JOUST are the same as ROBOTRON except the following:

SR1-----MOVE LEFT	}	1 & 2 PLAYER UPRIGHT MODE
SR3-----MOVE RIGHT		
SR5-----FLAP WINGS		
SR2-----MOVE LEFT	}	2 PLAYER COCKTAIL MODE
SR4-----MOVE RIGHT		
SR6-----FLAP WINGS		

ROBOTRON/ROM BOARD

<u>LOCATION</u>	<u>TYPE</u>	<u>PERSONALITY BOARD</u>	<u>SIGNATURE</u>
4A	AM2732	2732/M24	H445
5A	"	"	0366
6A	"	"	8PU9
7A	"	"	HP64
4C	"	"	59C2
5C	"	"	4249
6C	"	"	26FA
7C	"	"	4HF9
4E	"	"	1F1H
5E	"	"	53AU
6E	"	"	U4F8
7E	"	"	337C

ROBOTRON/CPU BOARD

3C	M3-7641-5	6341/E24	65U3
3G	"	"	H11P

JOUST/CPU BOARD

3C	6341	6341/E24	8A21
3G	"	"	H11P

JOUST/ROM BOARD

4A	HN462532G-2	TMS2532/L24M	UOU5
4C	"	"	1337
4E	"	"	1C10
5A	"	"	3PCU
5C	"	"	9U57
5E	"	"	9A90
6A	"	"	F0U1
6C	"	"	1AF6
6E	"	"	F7F8
7A	"	"	7P1P
7C	"	"	AC97
7E	"	"	721H