



**Kurz-Kasch, Inc.**

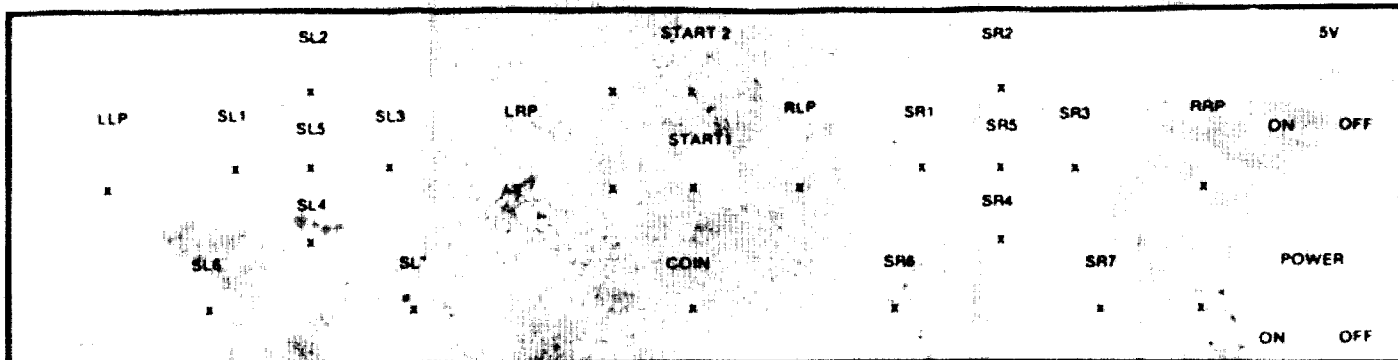
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 Dayton, Ohio 45439  
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# Operating Instructions

For Model

359A--DEFENDER

WILLIAMS



1. Insert 359A program card into "A" connector on TF-650, number side up.
2. CPU Board, ROM Board, and interface board must be connected together to display and control game.
3. Connect 9 pin and 7 pin connectors from left hand side of 359A card to MPU Board headers 1J3 ..
4. Connect 10 pin and 4 pin connectors from right hand side of 359A card to ROM Board headers, 2J3 and 2J2.
5. Connect two 10 pin connector coming from center of 359A card to interface board headers 3J2 and 3J3.
6. Slide 5 VOLT switch to ON.
7. Slide POWER switch to ON.
8. Controls are:

COIN is Right Coin  
 SL7 is Center Coin  
 SL6 us Left Coin  
 START 1 is 1 Player  
 START 2 is 2 Player  
 SR1 is Thrust  
 SR2 is UP  
 SR3 is Reverse  
 SR4 is Down  
 SR5 is Fire  
 SR6 is Hyperspace  
 SR7 is Smart Bomb  
 SL2 is High Score Reset  
 SL1 is Auto Up/Manual Down  
 SL3 is Advance  
 SL4 is Slam

10 pc ROM Board 5771-09472-X2-----s/n438952

<u>SIGNATURE</u>	<u>MARKING</u>	<u>PERSONALITY BOARD</u>
497P	ROM 1	2732/M24
PUU8	ROM 2	2732/M24
0152	ROM 3	2732/M24
90PP	ROM 6	2716/I24
HUHO	ROM 7	2716/I24
70H3	ROM 8	2716/I24
475C	ROM 9	2716/I24
AP55	ROM 10	2716/I24
2FPU	ROM 11	2716/I24
FP83	ROM 12	2716/I24

MPU Board 5770-09471-X4

<u>LOCATION</u>	<u>SIGNATURE</u>	<u>MARKING</u>	<u>PERSONALITY BOARD</u>
1G	7AC2	ROM 1	6341/E24

11 pc ROM Board 5770-09615-X0-----s/n471188

<u>SIGNATURE</u>	<u>MARKING</u>	<u>PERSONALITY BOARD</u>
C4U8	ROM 1	2732/M24
4776	ROM 2	2732/M24
F65C	ROM 3	2732/M24
7H37	ROM 4	2716/I24
H7P6	ROM 6	2716/I24
7803	ROM 7	2716/I24
60H3	ROM 8	2716/I24
5P9U	ROM 9	2716/I24
8030	ROM 10	2716/I24
302C	ROM 11	2716/I24
P428	ROM 12	2716/I24

MPU Board 5770-09615-X0-----s/n469444

<u>LOCATION</u>	<u>SIGNATURE</u>	<u>MARKING</u>	<u>PERSONALITY BOARD</u>
E3	14PP	ROM 1	6341/E24
H3	A678	ROM 1	6341/E24