



Kurz-Kasch, Inc.

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Operating Instructions

For Model

382A

ASTRO INVADER

STERN

| | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|---|---------|-----|-----|-----|-----|-----|-------|-----|
| | | SL2 | | | | START 2 | | | SR2 | | | 5V | |
| | | x | | | | x | x | | x | | | | |
| LLP | SL1 | SL5 | SL3 | LRP | | START1 | RLP | SR1 | SR5 | SR3 | RRP | ON | OFF |
| | 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 382A program card into "A" connector on TF650 with number side up.
2. Connect 10-pin ribbon cable connector exiting left side of program card to cage mother board with DOT facing up.
3. Connect 20-pin ribbon cable connector exiting top of program card to AUDIO BOARD with DOT facing component side of board.
4. Connect remaining 10-pin connector to VIDEO BOARD with slots facing up.
5. Connect speaker across 6-inch leads on 20-pin connector.
6. CONTROLS ARE:

COIN is CREDIT (coin counter LED is on 382A card)
 START 1 is 1 PLAYER
 START 2 is 2 PLAYER
 SR3 is #1 PLAYER RIGHT
 SR1 is #1 PLAYER LEFT
 SR5 is #1 PLAYER SHOOT
 SL3 is #2 PLAYER RIGHT
 SL1 is #2 PLAYER LEFT
 SL5 is #2 PLAYER SHOOT
 SL7 is SERVICE

LOCATION

MARKING

SIGNATURE

TYPE

PERSONALITY BOARD

| | | | | |
|-------|---|------|----------|----------|
| ON | 1 | 8C41 | MBL2708K | 2708/H24 |
| CPU | 2 | F4U6 | " | " |
| BOARD | 3 | 7H15 | " | " |
| | 4 | U046 | " | " |
| | 5 | 1H4C | " | " |
| | 6 | 2C01 | " | " |
| | 7 | 23H7 | " | " |

| | | | | |
|-------|-----|------|----------|----------|
| ON | --- | 2P21 | MBL2708K | 2708/H24 |
| VIDEO | | | | |
| BOARD | | | | |