NOTE 1 THE RELATION BETWEEN COIN AND CREDIT

<table>
<thead>
<tr>
<th></th>
<th><strong>Sw. 1</strong></th>
<th></th>
<th><strong>Sw. 2</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 2 3 4 5</td>
<td>6 7</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td><strong>1 COIN 1 PLAY</strong></td>
<td>ON ON ON ON OFF OFF</td>
<td>ON OFF OFF OFF OFF OFF ON OFF</td>
<td></td>
</tr>
<tr>
<td><strong>2 COIN 1 PLAY</strong></td>
<td>&quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; OFF ON OFF &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3 COIN 1 PLAY</strong></td>
<td>&quot; &quot; &quot; &quot; &quot; &quot; OFF ON &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4 COIN 1 PLAY</strong></td>
<td>&quot; &quot; &quot; &quot; &quot; &quot; OFF OFF ON &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1 COIN 2 PLAY</strong></td>
<td>ON OFF OFF OFF OFF ON ON OFF OFF OFF OFF ON ON</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1 COIN 3 PLAY</strong></td>
<td>OFF ON &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1 COIN 4 PLAY</strong></td>
<td>ON ON &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot; &quot;</td>
<td></td>
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</tbody>
</table>
5. Playing Instruction

- One or two players can play.
- Insert coin(s), and select one or two player game.
  1 coin - 1 play ... 3 Spaceships (Adjustable)
  2 coins - 2 plays (1 - player game)
  1 play (2 - player game)
- Spaceship (yellow) ▶ and chaser Missile ▶ will appear on the screen.
- Control the Spaceship by using the Control Lever and clear dots (■) without colliding into oncoming chaser missiles.
- By pushing the Thrust Button, the Spaceship can be some distance ahead of the Chaser Missile, but the fuel and bonus points decrease.
- In two player mode, the play alternates between the two.

Functional Description of Game:

- Points for a dot increase by 10 points per frame (up to 90 points) every time all dots in a frame have been created.
  (Bonus points will be added.)
- The bonus points are 4,000 points at the game start, and will decrease by pushing the Thrust Button.
- Green Zone will appear on the course for accelerating the Chaser Missiles.
- The second Chaser Missile will appear when the score reaches 10,000 points,
- Game ends when the last Spaceship is destroyed by the Chaser Missile.
- The high-scorer's name can be registered on the screen. Any wrong wording can be cancelled by pushing the Name Reset Button, but the high score will not be cancelled.
Method:

(1) The alphabets ("A"-"Z"), "RUB", and "END" will be displayed on the screen. By moving the control lever, move the red underline to the alphabet one by one so that the high-scorer's name can be spelled.

(2) An alphabet on the red underline can be registered at a time on the screen by pushing the thrust button.

"RUB" ... If any wrong alphabet has been registered, move the red underline to the word "RUB", and push the thrust button so that the alphabet will be canceled.

"END" ... When finishing the high-scorer's name registration move the red underline to the word "END" and push the thrust button.

(3) The high-scorer's name register can mode within one and half minutes. After one and half minutes passed, the registration will be automatically stopped.

(In total, ten alphabets can be registered.)
6. Adjustments on Switching Regulator PC Board

(See Fig. 4)

Caution: The line voltages should be set within the limit. Failure to do so may result in destruction of the IC's.

- To check the output voltage, measure them on the G-connector or the T-connector.

(See the attaching cable Block Diagram NO. AAR00196.)

![Diagram]

Fig. 4

- **+5V VR** ... Pot for adjusting +5V DC line voltage
  (Adjustment range: +4.5V to +5.5V DC)
  Set approx. +5V.

- **−5V VR** ... Pot for adjusting −5V DC line voltage
  (Adjustable range: −5.5V to −4.5V DC)
  Set approx. −5V.

  (When the +5V line has no load, this −5V voltage is not present on the line.)

- **+12V VR** ... Pot for adjusting +5V DC line voltage
  (Adjustable range: +10.8V to +13.2V DC)
  Set approx. +12V.
7. Adjustments on Game PC Board (See Fig. 5 and Table 1)

- To decrease the sound, turn each pot (VR1-VR4) to the direction shown below with arrowheads.

![Diagram of DIP switches and VR1-VR4](image)

**Fig. 5**

VR1 ... Pot for adjusting the music sound
VR2 ... Pot for adjusting the effect sound and the explosion sound
VR3 ... Pot for adjusting the dot-hitting sound
VR4 ... Pot for adjusting the total sound

Change-over of DIP Switches;

- SW1, SW2 ... Switches for changing the number of spaceships

<table>
<thead>
<tr>
<th></th>
<th>ON</th>
<th>OFF</th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SW 2</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>Number of Spaceships</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

Table.1

These switches have been preset at "ON" position at the factory. (3 spaceships at the game start)

- SW3-SW6 ... Switches for adjusting solid-state modules
  These switches are for factory adjustments, and all of them should be set at "ON" position.

- SW7 ..... Switch for rotating images on the screen
  When the switch is set at "OFF" position, the images on the screen will be rotated.
  This switch should be set at "ON" position.
8. Adjustments on Color Video Monitor (See Fig. 6)

The video monitor is properly adjusted before shipping, however, if necessary, seadjust as follows:
Caution: Carful adjustments are required for the H.Hold and the V.Hold adjustments.

- Horizontal Hold
  Adjust the H.HOLD control if the picture is warped or broken into diagonal lines.

- Vertical Hold
  Adjust the V.HOLD control if the picture rolls vertically across the screen.

- Screen Brightness
  Adjust the BRIGHT control to keep the screen clear.

- FOCUS ... Screen Focus Control
- RED, GREEN, and BLUE ... Color Controls

Note: (1) Color aberration may occur depending on the setting condition of the machine. In that case, use a degaussing device. Keep magnet away from the screen, otherwise, it may result in color aberration.

(2) The color video monitor of Taito "SPACE CHASER" is for exclusive use, therefore, it can not be replaced with that of other models.
9. Adjustments of Supply Voltage (See Fig. 7)

If the voltage of the power supply is low, the picture on the screen sometimes glitches. In that case, change the connection of the power transformer terminals in the cabinet. This adjustment is obtained by using the change-over switch.

![Adjustments of Supply Voltage Diagram]

**Fig. 7**

10. Typical Picture During Play (See Fig. 8)

![Typical Picture During Play Diagram]

**Fig. 8**