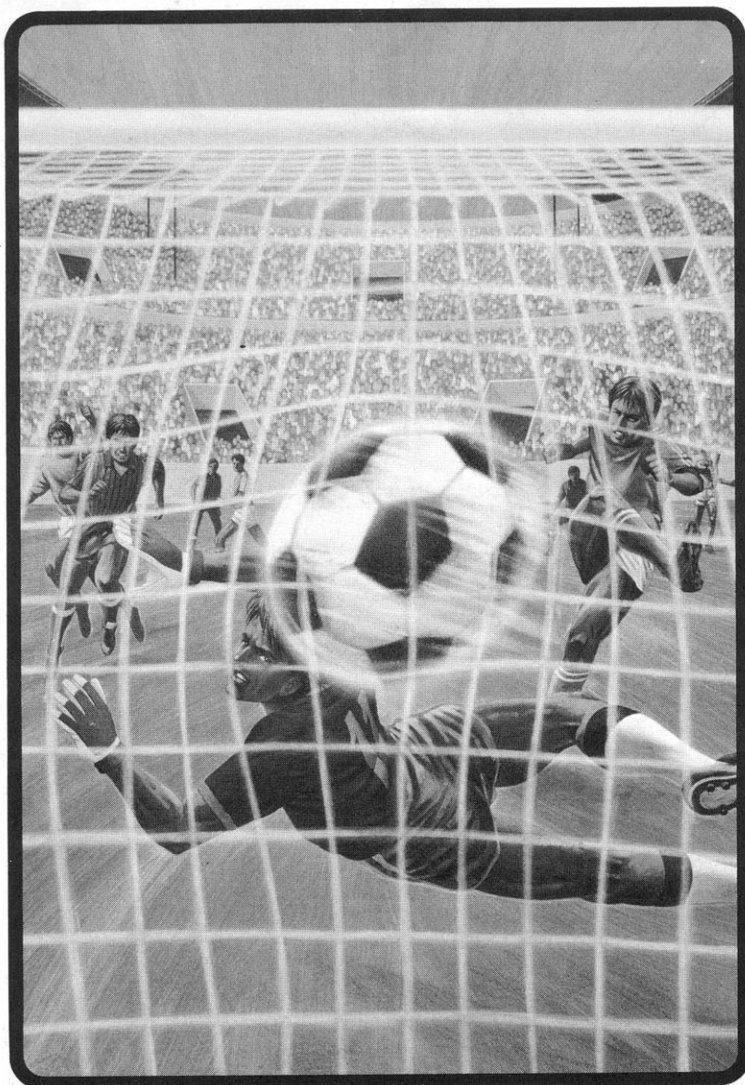


TECMO WORLDTM CUP'90

Service Manual
取扱説明書

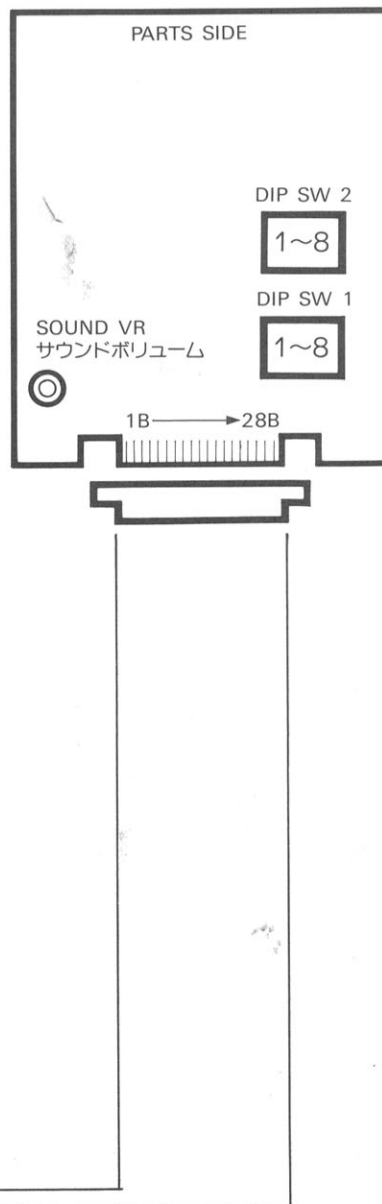


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エッジコネクタ ● Edge Connector

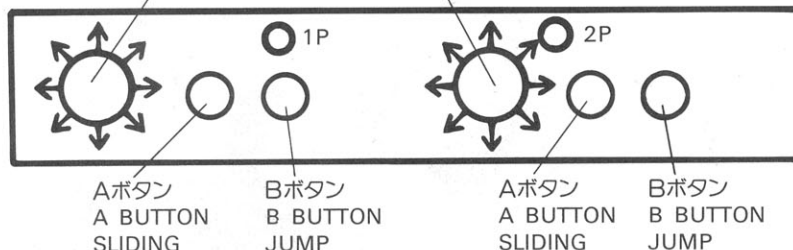
● JAMMA規格

| SOLDER SIDE (半田面) | NO. | NO. | PARTS SIDE (部品面) |
|-------------------|-----|-----|------------------|
| GND | A | 1 | GND |
| GND | B | 2 | GND |
| +5V | C | 3 | +5V |
| +5V | D | 4 | +5V |
| | E | 5 | |
| +12V | F | 6 | +12V |
| | H | 7 | |
| COIN COUNTER 2 | J | 8 | COIN COUNTER 1 |
| COIN L. OUT 2 | K | 9 | COIN L. OUT 1 |
| SPEAKER (-) | L | 10 | SPEAKER (+) |
| | M | 11 | |
| VIDEO GREEN | N | 12 | VIDEO RED |
| VIDEO SYNC | P | 13 | VIDEO BLUE |
| SERVICE SW | R | 14 | VIDEO GND |
| RESET SW | S | 15 | TEST SW |
| COIN SW 2 | T | 16 | COIN SW 1 |
| 2P START | U | 17 | 1P START |
| 2P UP | V | 18 | 1P UP |
| 2P DOWN | W | 19 | 1P DOWN |
| 2P LEFT | X | 20 | 1P LEFT |
| 2P RIGHT | Y | 21 | 1P RIGHT |
| 2P SW 1 A BUTTON | Z | 22 | 1P SW 1 A BUTTON |
| 2P SW 2 B BUTTON | a | 23 | 1P SW 2 B BUTTON |
| | b | 24 | |
| | c | 25 | |
| | d | 26 | |
| GND | e | 27 | GND |
| GND | f | 28 | GND |



コントロールパネル

JOYSTICK LEVER.....8 directions
ジョイスティックレバー8方向



電源 POWER SOURCE

+5V5A
+12V1A
(AF Amp. BTL System)

※注意 — +5VはPCB上の値です。

Caution — The power supply should be exactly 5V on this P.C.B.

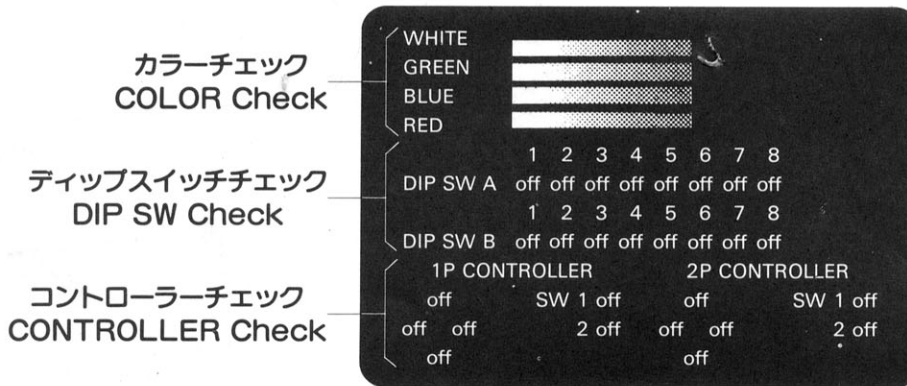
ディップスイッチ ● Dip Switch

| DIP SWITCH 1 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| プレイ料金 COIN/CREDIT | 1 COIN 1 CREDIT | | | | | OFF | OFF | OFF | OFF |
| | 1 COIN 2 CREDIT | | | | | ON | OFF | OFF | OFF |
| | 1 COIN 3 CREDIT | | | | | OFF | ON | OFF | OFF |
| | 1 COIN 4 CREDIT | | | | | ON | ON | OFF | OFF |
| | 1 COIN 5 CREDIT | | | | | OFF | OFF | ON | OFF |
| | 1 COIN 6 CREDIT | | | | | ON | OFF | ON | OFF |
| | 2 COIN 1 CREDIT | | | | | OFF | ON | ON | OFF |
| | 2 COIN 3 CREDIT | | | | | ON | ON | ON | OFF |
| | 3 COIN 1 CREDIT | | | | | OFF | OFF | OFF | ON |
| | 4 COIN 1 CREDIT | | | | | ON | OFF | OFF | ON |
| | 5 COIN 1 CREDIT | | | | | OFF | ON | OFF | ON |
| | 6 COIN 1 CREDIT | | | | | ON | ON | OFF | ON |
| | 7 COIN 1 CREDIT | | | | | OFF | OFF | ON | ON |
| | 8 COIN 1 CREDIT | | | | | ON | OFF | ON | ON |
| 9 COIN 1 CREDIT | | | | | OFF | ON | ON | ON | |
| 10 COIN 1 CREDIT | | | | | ON | ON | ON | ON | |
| 難易度 DIFFICULTY | 普 MODERATE | | | OFF | OFF | | | | |
| | ↓ | | | ON | OFF | | | | |
| | 難 DIFFICULT | | | OFF | ON | | | | |
| カウントダウン COUNT DOWN | 1 COUNT 1 SECOND | | OFF | | | | | | |
| | 1 COUNT 56/60 SECOND | | ON | | | | | | |
| デモ時の音 DEMONSTRATION SOUND | 有 SOUND | OFF | | | | | | | |
| | 無 NON SOUND | ON | | | | | | | |

| DIP SWITCH 2 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------------|------|----|-----|-----|-----|-----|-----|-----|-----|
| 2Pゲーム時間 1P GAME TIME | 2:00 | | | | | | | OFF | OFF |
| | 1:00 | | | | | | | ON | OFF |
| | 1:30 | | | | | | | OFF | ON |
| | 2:30 | | | | | | | ON | ON |
| 1Pゲーム時間 2P GAME TIME | 3:00 | | | | OFF | OFF | OFF | | |
| | 1:00 | | | | ON | OFF | OFF | | |
| | 1:30 | | | | OFF | ON | OFF | | |
| | 2:00 | | | | ON | ON | OFF | | |
| | 2:30 | | | | OFF | OFF | ON | | |
| | 3:30 | | | | ON | OFF | ON | | |
| | 4:00 | | | | OFF | ON | ON | | |
| 5:00 | | | | ON | ON | ON | | | |
| 使用禁止 DON'T CHANGE | | ON | OFF | OFF | | | | | |

チェックディスプレイ ● Check Display

※電源スイッチをONにすると、下のようなチェックディスプレイが現れます。このディスプレイの表示中にSTARTボタンを押すと、表示し続けます。この時、ディップスイッチの状態が表示されますから、画面を見ながら設定して下さい。
もう一度STARTボタンを押すとクロスハッチに移ります。



※クロスハッチは、表示中にSTARTボタンを押すと止めることができます。もう一度押すとデモ画面に移ります。
※ディップスイッチの設定は、チェックディスプレイ表示中に行なって下さい。

- * After turning on the power source, the check display shown above should appear. To freeze this screen, push the START button. Make dip switch adjustments and check that they are set correctly by checking the monitor display. Press the START button once more and the screen will shift to a cross hatch display.
- * Press the START button again to freeze the cross hatch display screen. Press one last time and play demonstration will begin.
- * Be sure that the dip switch setting should be made during the check display.

注意事項

制御回路はすべてICで構成されているので長寿命の反面、取扱いによっては瞬時に破壊するので次の点に充分気をつけて下さい。

1. 部品交換、コネクタの抜き差しは、必ず電源を切ってから行なって下さい。
2. PCボードのテスター検査はしないで下さい。テスター内部電圧でICを破壊する事があります。
3. PCボードは絶対に直射日光には当てないで下さい。
4. コネクタを接続する時は、コネクタの向きを間違えないよう充分注意して下さい。
5. PCボードの持ち運びはビニールエアマット等を使用し強い衝撃を加えないようご注意ください。

All control circuits are composed of ICs, and though they have a long service life, they may be instantly broken in the event of mishandling. So, fully observe the following precautions.

1. Be sure to turn power OFF when changing parts or pulling/inserting each connector.
2. Don't use the tester to inspect the PC board, since an IC may be broken due to the tester's internal voltage.
3. Be sure never to expose the PC board to the direct rays of the sun.
4. When connecting the connector, be careful so that it is correctly directed.
5. When moving the PC board, use a PVC air mat, etc. so that it is not given a strong shock.

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