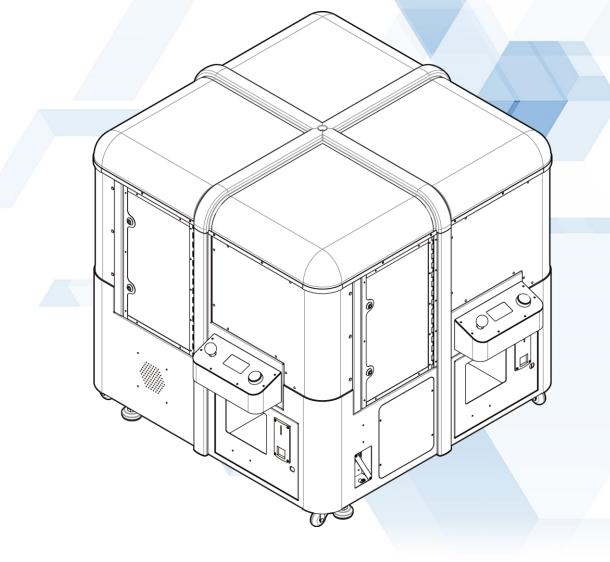
USER'S MANUAL





MANUAL VERSION: F12H-SAJ-E-VB1.0

F12H-M01E

ISSUE DATE: 2019.10.16

CONTENTS

| SAFETY NOTICE | 3 |
|-----------------------------|----|
| 1 SAFETY NOTICE | 3 |
| 2 TRANSPORTATION AND MOVING | 3 |
| 3 POWER NOTICE | 3 |
| 4 ORDER IN POWER ON | 3 |
| 5 ORDER IN POWER OFF | 3 |
| ABOUT THE MACHINE | 4 |
| 1 SPECIFICATION | 4 |
| 2 DIMENSION | 4 |
| 3 LIST OF COMPONENTS | 5 |
| ◆ SETTING | 6 |
| 1 System Setting | 6 |
| 2 To Enter Setting Menu: | 7 |
| 3 LINK MAIN PCB SETTING : | 21 |
| ♦ WIRE HARNESS DIAGRAM | 22 |
| ●TROUBLESHOOTING | 27 |
| 1 Error Code | 27 |

SAFETY NOTICE



SAFETY NOTICE

- a. Please read carefully with enclosure of "Warranty".
- b. Please read carefully with enclosure of "Maintenance".
- c. Please check and maintain the machine regularly, DO NOT use any synthetic detergents to clean the machine.
- d. Places where the ground is sloping, uneven or there is strong vibration.
- e. Avoid direct sunlight machine placed in place in case the internal parts damaged.
- f. Avoid machine in high dust, high humidity, high temperature environment, so as to avoid damage to machine parts.
- g. Machine does not have waterproof, limited to indoor use, do not place water & beverages in the machine.
- h. DO NOT climbing or stand above the machine in any time, to avoid a threat to personal safety.
- i. Any casualties which caused by inappropriate behavior and dangerous acts, the Company shall not be responsible.
- j. This appliance is not for children and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge.
- k. Do not use this appliance near bathtubs, showers, basins or other vessels containing water.
- I. After using this appliance should be cleaned to avoid the accumulation of grease and other residues.
- m. Children should be supervised to ensure that they do not play with the appliance.
- n. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

2 TRANSPORTATION AND MOVING

- a. Before moving the machine, make sure to unplug it from the mains.
- b. Turn off the power as notice before unplug from the mains, inappropriate handling will cause damage to the machine.

3 POWER NOTICE

- a. Before power connecting, verified the voltage is correct. 110V, 220V or 240V
- b. DO NOT touch the plug with damp hands to avoid electric shock.
- c. When installing the device, should ensure a smooth footing.

4 ORDER IN POWER ON

Plug in and turn on the power.

5 ORDER IN POWER OFF

Turn off the power and unplug



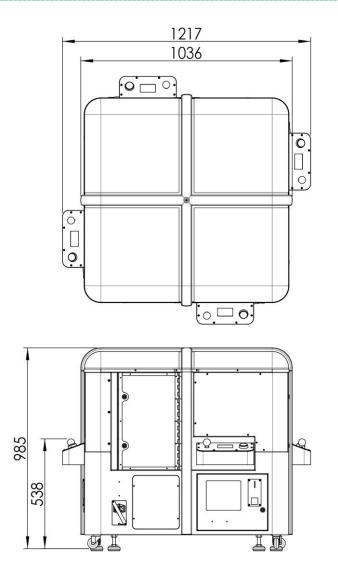
Wait for 10 seconds to reboot

ABOUT THE MACHINE

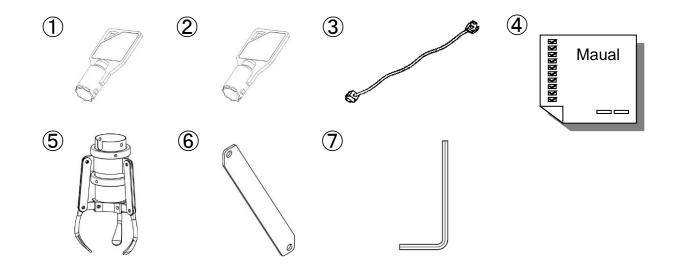
1 SPECIFICATION

| a. Voltage & Frequency | AC100V (50 / 60 Hz) |
|---------------------------|----------------------------------|
| b. Dimension | (W) 1217 x (D) 1217 x (H) 985 mm |
| c. Weight | 155 kg |
| d. User | 4 people |
| e. Environment | Weather Protected Environment |
| f. Temperature | 0°C~40°C |
| g. Avg. Power Consumption | 128W |
| h. Max. Power Consumption | 430W |

2 DIMENSION



3 LIST OF COMPONENTS

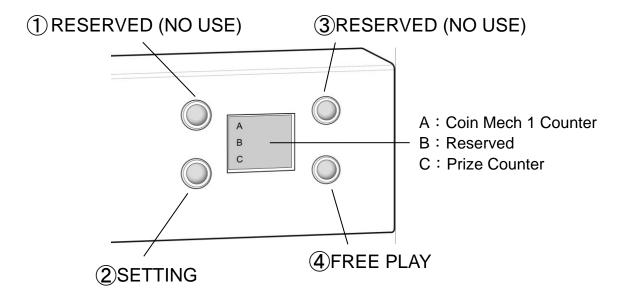


| NO. | SEGA NO. | Q/U | FEILOLI NO. | SEGA PART NAME | SPEC |
|-----|------------------|-----|--------------|---------------------------|-------|
| 1 | TSBF A01C000248A | 2 | A01-C000248A | CASH KEY | #8460 |
| 2 | TSBF A01C000073A | 4 | A01-C000073A | FRONT KEY | #3123 |
| 3 | TSBF A01G000203A | 1 | A01-G000203A | PLUG FORM ACCORDING AREA. | |
| 4 | | 1 | | MAUAL | |
| 5 | TSBFH0300B0029A | 1 | H03-00B0029A | SMALL CROW | |
| 6 | TSBFA12HC040034A | 1 | A12HC040034A | INLET PLOTECT | |
| 7 | | 1 | TB0012 | TORX SCREW WRENCH (T20H) | |

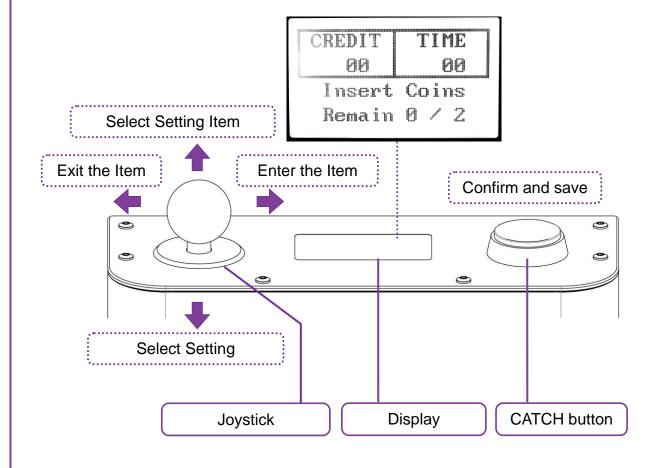
SETTING

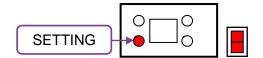
1 System Setting

> Electronic Counter



Maintenance Tray





2 To Enter Setting Menu:

- (1) When the machine is in stand-by mode, enter SETTING button to enter setting
- (2) 6 main setting items in setting menu:

| >>A : Setting |
|-------------------|
| >>B : Clamp Power |
| >>C : Accounts |
| >>D : Auto Play |
| >>E : Motor Speed |
| >>F : Test |

Joystick:

UP or DOWN - select items. RIGHT – enter the item. LEFT - Exit

1. >Setting

A: Setting:

| >>A1 : Coin->Credit |
|------------------------------------|
| >>A2 : Game time |
| >>A3 : Win rate |
| >>A4 : Tilt |
| >>A5 : Clamp Catch |
| >>A6 : Coin Save |
| >>A7 : Play T- Win (Play Till Win) |

> A1 : Coin-> Credit :

| A1 : Coin->Credit |
|-------------------|
| >> Coin->Credit |
| >>Coin Bonus |
| |

Joystick:

UP or DOWN - select items. RIGHT - enter the item.

LEFT - Exit

> A11 : Coin-> Credit :

| Coin-> | Credit | |
|--------|-----------|------------------|
| ↑:+ | ↓ :- | →Next |
| 1~10 C | coin(s) = | |
| | = | : 1~10 Credit(s) |

COIN:

Joystick [Right] / [Left]→ Select.

Joystick [Up] / [Down]→ Adjust value.

As inserted coins reached setting value, it comes "BONUS, CREDIT+1" [CATCH]→ Save & Return to Setting MENU.

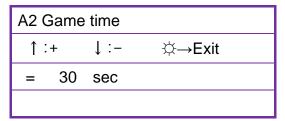
> A12 : Coin Bonus :

| | Coin Bonus |
|------|----------------------------------|
| ↑:+ | ↓ :- |
| 0~10 | coin(s) = (0= No Bonus coin) |
| | Bonus 1 Coin |

BONUS CREDIT:

Joystick [Up] / [Down]→ Adjust value. [CATCH]→ Save & Exit.

A2: Game time:



 $\mathsf{Joystick}\; [\mathsf{Up}] \, / \, [\mathsf{Down}] \! \to \! \mathsf{Adjust}\; \mathsf{value}.$

[CATCH]→ Save & Exit.

Range: 5 ~ 60 seconds.

A3: Win rate:

(The explanation below is for winning once per 100 games. Only valid for games by inserting coins) •

| А | 3 : Win ra | te |
|------------------------|------------|-------|
| ↑ :+ | ↓ :- | →Next |
| = 100 | | |
| >>MODE: Random / Fixed | | |

Joystick [Up] / [Down]→ Adjust value

Joystick [Right] / [Left] → Select

Range: 1~900

MODE for win game: Random / Fixed.

[CATCH] ☆→ Save & Exit

*When win rate value or MODE has been changed, the bank values (C1) will be

Random: When bank values (C1) >0 or (C1) <= (A3), it will provide win game

anytime.

Fixed: Win game will only be provided when bank values (C1) >= win rate value (A3).

A4: Tilt

| A4 : Tilt | |
|-------------|----------|
| ↑ ↓ ∶Change | ☆ ->Exit |
| = ON / OFF | |
| | |

Tilt ON / OFF Setting Joystick[Up]/ [Down] → Change setting. [CATCH] → Save & Exit.

A5 : Clamp Catch Position : Claw catching setting

Enable to catch by button during claw falling

* Default Setting: At Bottom •

A5: Clamp Catch ☆ ->Exit ↑ ↓ : Change = At Air / At Bottom

Joystick[Up]/ [Down] → Change setting.

AT AIR - Available to catch in before claw reaches the bottom.

AT BOTTOM—Catch only when claw reach the bottom.

[CATCH] → Save & Exit.

A6: Coin Save:

| A6 : Coin Save | |
|----------------|----------|
| ↑ ↓ ∶Change | ⇔ ->Exit |
| =Save / Clear | |

Joystick[Up]/ [Down]→ Change setting.

Save: Save inserted coins (credits)

Clear: Coins (credits) will be reset when reboot

[CATCH]→ Save & Exit.

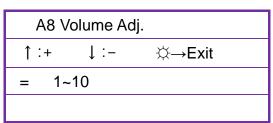
A7: Play Till Win:

| A7 : Play Ti | II Win | |
|--------------|----------|--|
| ↑ ↓ ∶Change | ⇔ ->Exit | |
| =YES / NO | | |

Joystick[Up]/ [Down] → Change setting.

YES: Provide free play until win when accumulated credits reached win rate setting NO: Provide free play once when accumulated credits reached win rate setting [CATCH]→ Save & Exit.

A8: Volume Adjustment:



Joystick [Up] / [Down]→ Adjust value.

[CATCH]→ Save & Exit.

Range : 1~10.

A9: Link Play:

A9 : Link Play

↑ ↓ : Change ☆ ->Exit

=Need / Do not need

Joystick[Up]/ [Down]→ Change setting.

Need: Link to host and start the game

Do not need: Don't link to host and start the game

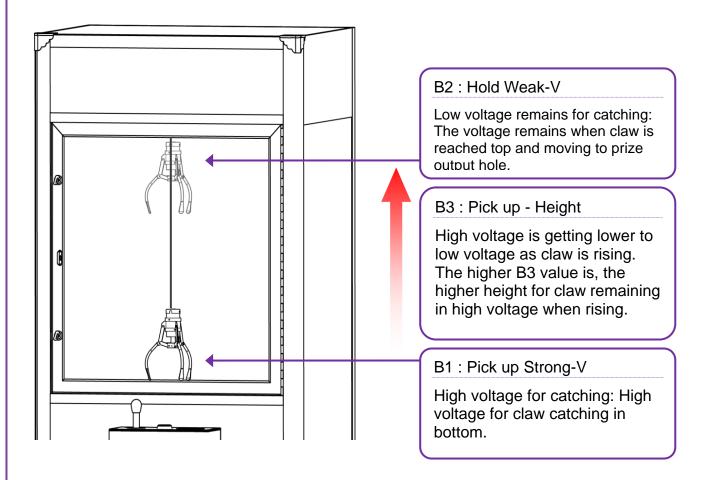
[CATCH]→ Save & Exit.

>B : Clamp Power : Claw Catching Voltage

>>B1 : Strong-V

>>B2: Weak-V

>>B3: UP- Height



B1 : Strong-V : (High voltage for catching)

| B1 : Strong-V | | |
|---------------|---------|--------------|
| 20.0V - | ~ 48.0V | |
| ↑ :+ | ↓ :- | ⇔Exit |
| = 48.0V | | |

Joystick [Up]/ [Down]→ Change setting

Range: 20V~48V

[CATCH] ☼→ Save & Exit

It will save the setting and exit automatically if operator doesn't change anything for 30 seconds.

B2 : Weak-V : (Low voltage remains for catching)

Joystick [Up]/ [Down]→ Change setting

Range:0V~30V

[CATCH] ☼→ Save & Exit

It will save the setting and exit automatically if operator doesn't change anything for 30 seconds.

B3 : UP- Height : (The height for claw rising in high voltage) :

Joystick [Up]/ [Down] → Change setting

Range:1~20,

1 : Lowest ; 20 : Highest [CATCH] ⇔→ Save & Exit

> C: Accounts (アカウント):

C: Accounts

C1>Win Rate Bank

C2>CoinPlay Cou.(counter)

C3>Gift Out Cou. (counter)

C4>Reset All Data

C1: C1:Win Rate Bank:

(example:0) •

C1: Win Rate Bank

Counter

= 0

"0"= push ☆-> 2 sec

Win Rate Bank: the value increase 1 for every play by inserting coins, and will be reset after winning

Joystick → No use

Press [CATCH] once → Exit

Press [CATCH] once for 2 seconds → Reset value & Exit

C2 : CoinPlay counter : (Counts for plays by inserting coins) (value 31 is as the explanation)

C2 : CoinPlay Cou.(counter)

Counter
= 31

Total Coin Game: counts once as per coin inserted.

Joystick → No use.

Press [CATCH] once → Return to Accounts MENU.

C3 : Gift Out counter : (Prize payout counts) (value 17 is as the explanation) •

C3 : Gift Out Cou. (counter)

Counter

= 17

Joystick → No use.

Press [CATCH] once → Return to Accounts MENU.

C4: Reset All Data:

C4 : Reset All Data
>>No -->Exit
>>Yes -->Save

Joystick [Up] / [Down]→ Select items

Reset the counters of total coins and prize payout

>>No : Exit >>Yes : Save

Press [CATCH] once → Return to Accounts MENU.

2. >D: Auto Play:

>D: Auto Play
>>Business
>>Free Play
>>Machine Test

Joystick[Up]/ [Down] → Change setting.

- >>Business : Disable free play mode (Operation mode).
- >>Free Play : Enable free play mode.
- >>Machine Test: To enter auto test mode. The mode is for QC purpose of manufacturer only.

[CATCH]→ Save & Exit.

3. >E: Motor Speed Adjustment:

| >E : Motor Speed |
|------------------------|
| E1>Forward Speed |
| E2>Backward Sp.(Speed) |
| E3>Left Speed |
| E4>Right Speed |
| E5>Down Speed |
| E6>Up Speed |
| E7> ALL Speed |

Joystick [Up] / [Down]→ Select items Joystick [Right → Enter Joystick [Left]→ Exit

E1: Forward Speed

| E1 Forward Speed | | | |
|------------------|--------------|----|---------------|
| ↑:+ | \downarrow | :- | ⇔ Test |
| | | | |
| = 50% | | | |

Joystick [Up] / [Down] → Adjust value.

(Range : 30%~60%, change the value by per 10%)

30% : Slowest 60% : Fastest

[CATCH]→ Save & Enter to test mode

Test mode:

| E1 Forward Speed | | |
|------------------|--|--|
| >>Joystick Test | | |
| | | |
| = 50% Test | | |

Joystick [Up] / [Down] → To make motor moving forward or backward [CATCH] → Return to Motor Speed Adjustment MENU.

E2: Backward Speed

| E2 Backward Sp.(Speed) | | | |
|------------------------|--------------|----|---------------|
| ↑:+ | \downarrow | :- | ⇔ Test |
| | | | |
| = 50% | | | |

Joystick [Up] / [Down]→ Adjust value.

(Range: 30%~60%, change the value by per 10%)

30% : Slowest 60% : Fastest

[CATCH]→ Save & Enter to test mode

Test mode:

| E2 Backward Sp.(Speed) | | | |
|------------------------|--|--|--|
| >>Joystick Test | | | |
| | | | |
| = 50% Test | | | |

Joystick [Up] / [Down] → To make motor moving forward or backward [CATCH] → Return to Motor Speed Adjustment MENU.

E3: Left Speed

| E3 Left | Speed | |
|---------|-------|---------------|
| ↑:+ | ↓ :- | ⇔ Test |
| | | |
| = 50% | | |

Joystick [Up] / [Down]→ Adjust value.

(Range: 30%~60%, change the value by per 10%)

30% : Slowest 60% : Fastest

[CATCH]→ Save & Enter to test mode

Test mode:

| E3 Left Speed | | | |
|---------------|-----------|--|--|
| >>Joys | tick Test | | |
| | | | |
| = 50% | Test | | |

Joystick [Right] / [Left] → To make motor moving left or right [CATCH] → Return to Motor Speed Adjustment MENU.

E4: Right Speed

| E4 Rigl | nt Sp | eed | |
|---------|--------------|-----|---------------|
| ↑:+ | \downarrow | :- | ⇔ Test |
| | | | |
| = 50% | | | |

Joystick [Up] / [Down]→ Adjust value.

(Range: 30%~60%, change the value by per 10%)

30% : Slowest 60% : Fastest

[CATCH]→ Save & Enter to test mode

Test mode:

| E4 Right Speed | | |
|-----------------|--|--|
| >>Joystick Test | | |
| | | |
| = 50% Test | | |

Joystick [Right] / [Left] → To make motor moving left or right [CATCH] → Return to Motor Speed Adjustment MENU.

E5: Down Speed

| E5 Dov | vn Spe | eed | |
|--------|--------|-----|---------------|
| ↑:+ | 1 : | _ | ⇔ Test |
| | | | |
| = 50% | | | |

Joystick [Up] / [Down]→ Adjust value.

(Range: 30%~60%, change the value by per 10%)

30% : Slowest 60% : Fastest

[CATCH] → Save & Enter to test mode

Test mode:

| E5 Down Speed | | |
|-----------------|--|--|
| >>Joystick Test | | |
| | | |
| = 50% Test | | |

Joystick [Up] / [Down] → To make claw rising or falling [CATCH] → Return to Motor Speed Adjustment MENU.

E6: Up Speed

| E6 Up Speed | | | | |
|-------------|------|--------------|--|--|
| ↑:+ | ↓ :- | ⇔Test | | |
| | | | | |
| = 50% | | | | |

Joystick [Up] / [Down]→ Adjust value.

(Range: 30%~60%, change the value by per 10%)

30%: Slowest 60%: Fastest

[CATCH]→ Save & Enter to test mode

Test mode:

| E6 Up Speed | | |
|-----------------|--|--|
| >>Joystick Test | | |
| | | |
| = 50% Test | | |

Joystick [Up] / [Down] → To make claw rising or falling [CATCH]→ Return to Motor Speed Adjustment MENU.

E7: ALL Speed Setting

| E7> ALL Speed set | | |
|-------------------|--|--|
| >>SET= 30%~60% | | |
| >>No>Exit | | |
| >>Yes ->Save | | |

Setting Mode : → Joystick [Right]

Joystick [Up] / [Down]→ Adjust value.

(Range: 30%~60%)

[CATCH]→ Confirm the value

Joystick [Up] / [Down]→ Select No/ Yes。

No: Return to MENU . Yes: All motors in same speed

[CATCH]→ Exit

4. >F: Test

F: Test
>>F1: Gift Sensor
>>F2: Coin Test

Joystick [Up] / [Down]→ select items.

Joystick [Right] → enter the item.

Joystick [Left] → Return to MENU ∘

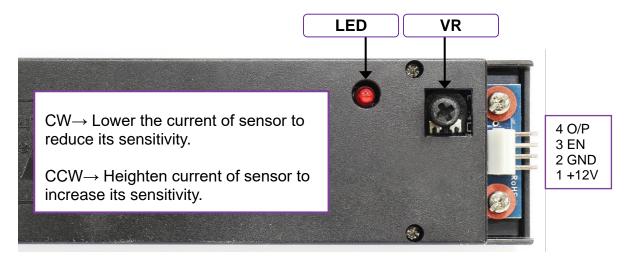
F1: Gift Sensor test

Step 1:

| F1 Gift Sensor test | | |
|---------------------|--|--|
| >>Sensor VR Adj. | | |
| LED=OFF | | |
| << OK >> | | |

Sensor Adjustment: Please adjust the sensor in this test

- (1) Check the LED on sensor. If it is on, make sure that no any obstruction remaining in prize chamber.
- (2) Adjust VR by screwdriver. Turn the VR clockwise to the end (lowest value) and the LED supposes to be off. If not, it is probably caused by sensor failure or improper black sticker inside prize chamber.
- (3) Adjust VR again. Turn it counterclockwise (increase value) until LED is on.
- (4) And turn it clockwise again until LED is off and then turn it clockwise a little more.
- (5) As the adjustment has been done, test sensitivity of the sensor by some items during the game.



[CATCH]→ Enter to step 2

Step 2:

| F1 Gift Sensor test | | |
|---------------------|--|--|
| >>[CATCH]>Exit | | |
| LED=ON | | |
| << OK >> | | |

- (1) Check the LED is on. If not, it might be caused by wiring connection problem or sensor error.
- (2) Both step 1 and 2 should be all ok.

F2: Coin Test

>F2 : Coin Test

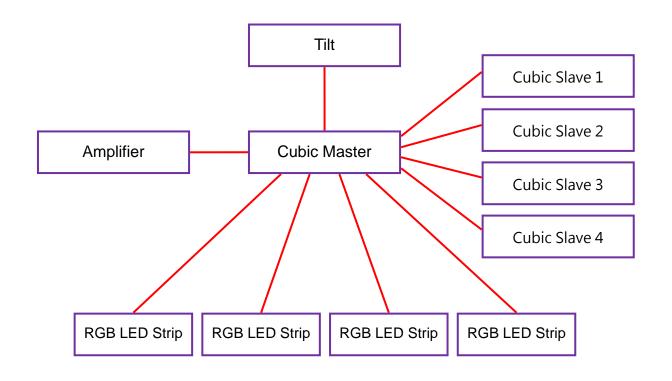
~ Insert Coins ~

Coins=0

It counts once on "Counter" when inserting a coin. And it will not count on electronic counter.

Joystick [Left] or [CATCH]→ Exit

3 LINK MAIN PCB SETTING:

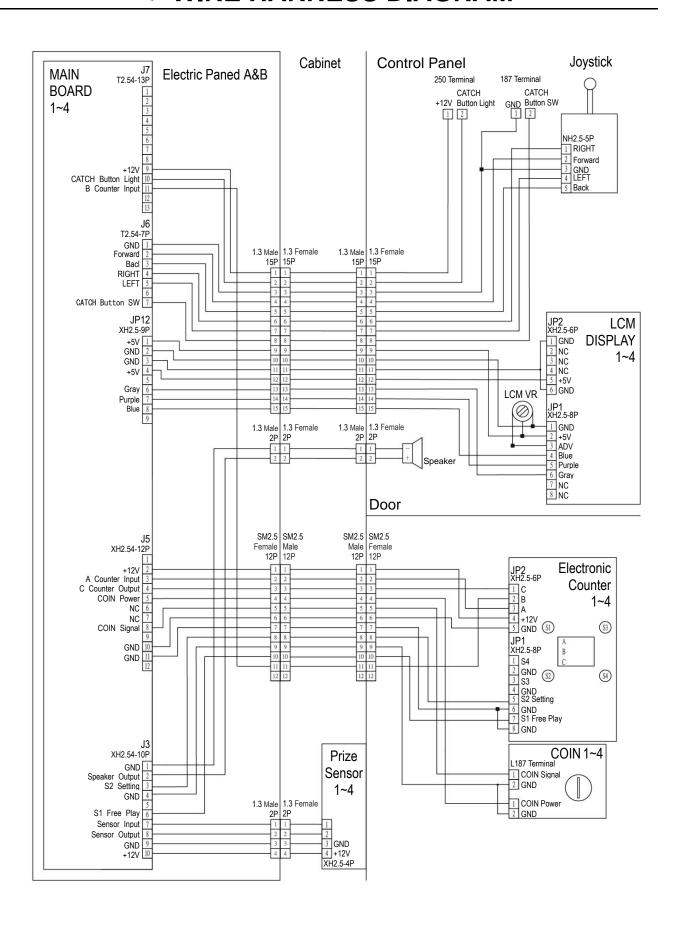


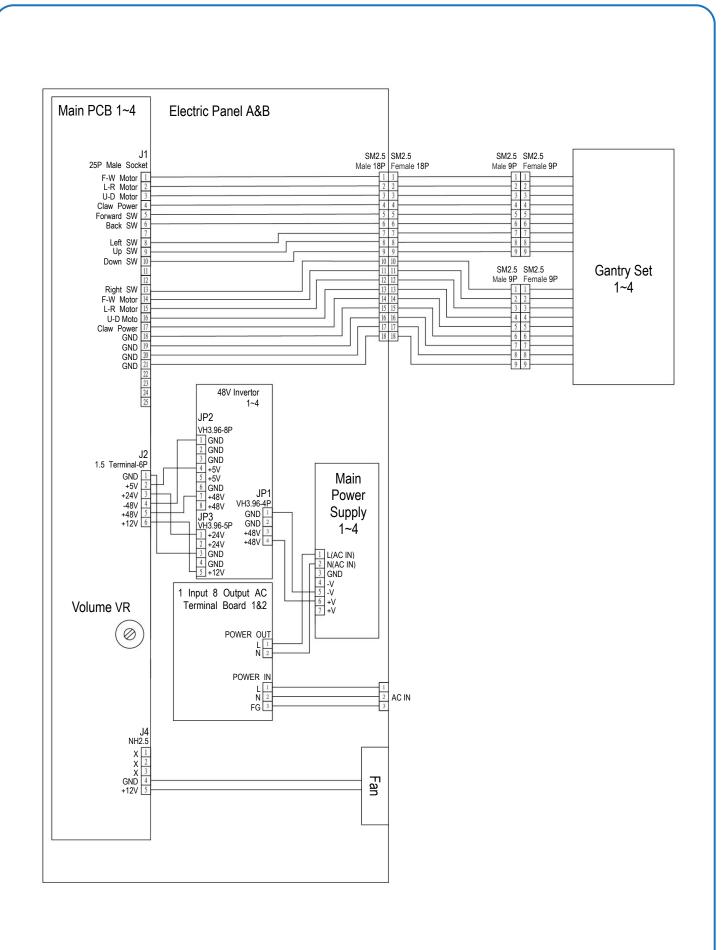
DIP-SW

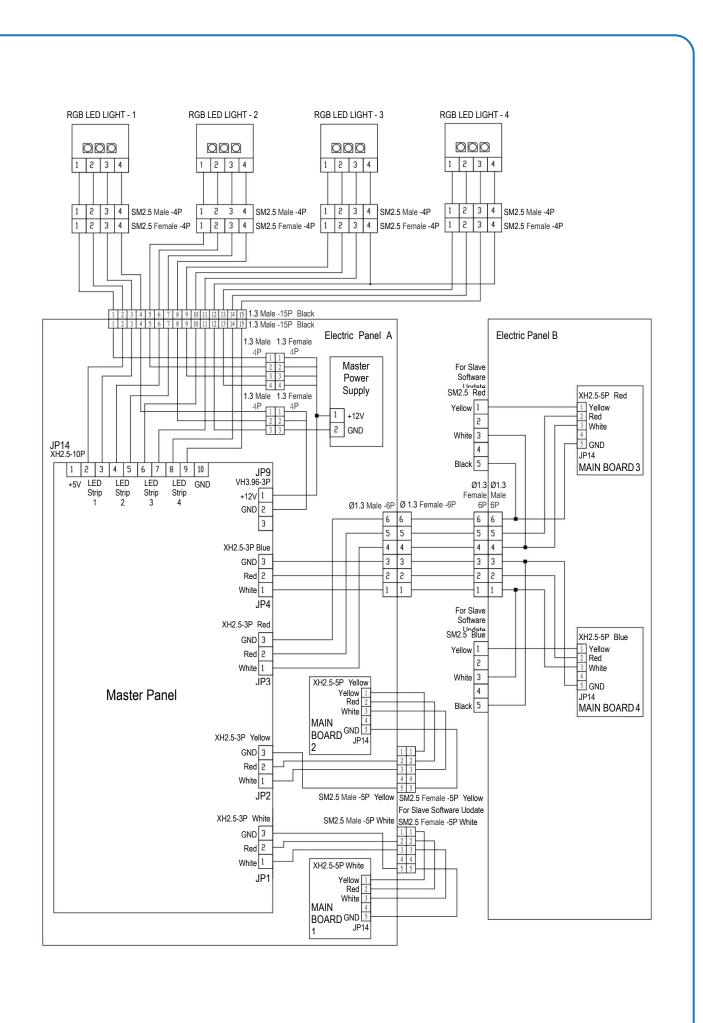
| -·· •·· | | | | | |
|---------------|-----|-----|-----|-----|---|
| FUNCTION | PIN | 1 | 2 | 3 | 4 |
| DEMO MUSIC | OFF | OFF | | | |
| | ON | ON | | | |
| | 0s | | OFF | OFF | |
| DEMO MUSIC | 30s | | OFF | ON | |
| INTERVAL TIME | 60s | | ON | OFF | |
| | 90s | | ON | ON | |

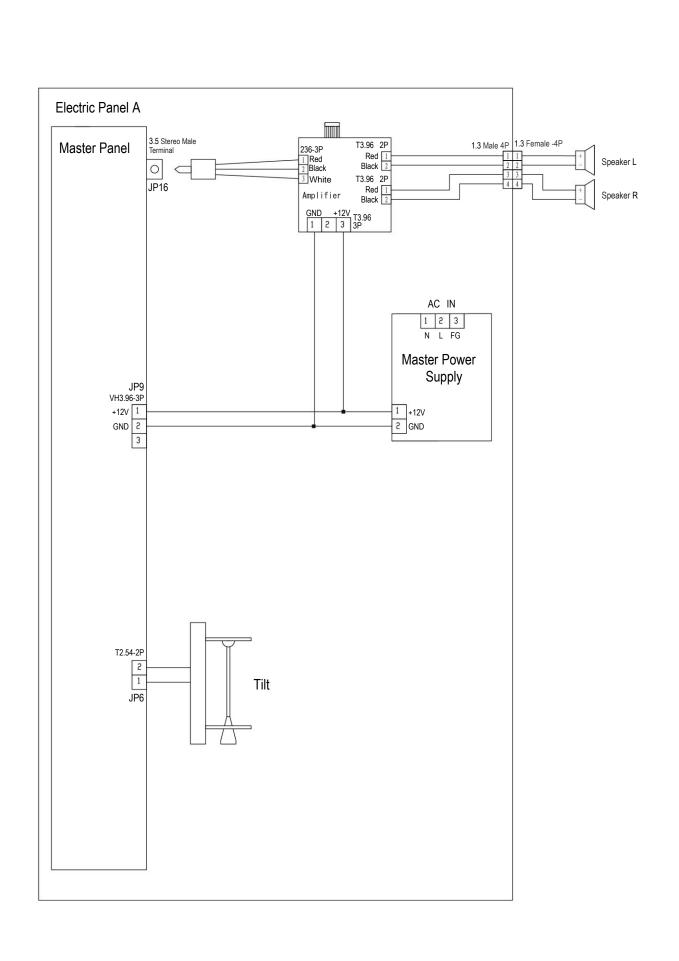
^{*}Please reboot the machine when DIP switch setting has been changed.

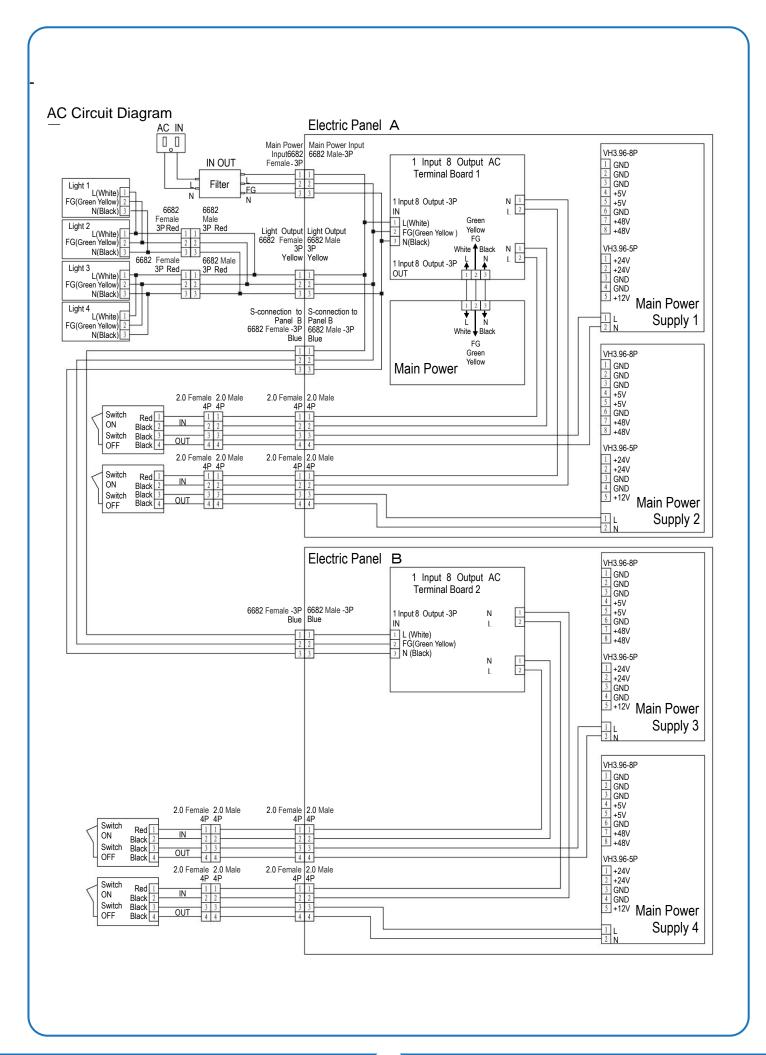
WIRE HARNESS DIAGRAM











TROUBLESHOOTING

1 Error Code

| NO. | ERROR ITEM | SOLUTION | | |
|-----|----------------------|--|--|--|
| 01 | COIN COUNTER ERROR | (1) Check wiring(2) Replace counter | | |
| 02 | PRIZE COUNTER ERROR | (1) Check wiring(2) Replace counter | | |
| 03 | COIN SELECTOR ERROR | Check NC/NO SW on coin selector, it should be NO | | |
| 04 | PRIZE SENSOR ERROR | (1) Adjust sensor VR (2) Replace sensor | | |
| 05 | PCB DATA ERROR | Enter to setting menu to re-set all values | | |
| 06 | PCB MEMORY IC ERROR | Replace PCB | | |
| 07 | MOTOR UP ERROR | (1) Check UP SW (2) Check fuse "F1" on PCB | | |
| 08 | MOTOR DOWN ERROR | (1) Check DOWN SW. (2) Check fuse "F1" on PCB | | |
| 09 | MOTOR LEFT ERROR | (1) Check LEFT SW. (2) Check fuse "F1" on PCB | | |
| 10 | MOTOR RIGHT ERROR | (1) Check RT SW. (2) Check fuse "F1" on PCB | | |
| 11 | MOTOR FORWARD ERROR | (1) Check FORWARD SW. (2) Check fuse "F1" on PCB | | |
| 12 | MOTOR BACKWARD ERROR | (1) Check BACKWARD SW. (2) Check fuse "F1" on PCB | | |
| 13 | TILT ERROR | TILT ERROR | | |

When the machine alarms error code, it will reboot automatically after alarming for 3 minutes. If the machine alarms again within 1 hour after rebooting, it will not reboot again. And it needs troubleshooting. But if the machine alarms again after 1 hour, the machine will reboot as it supposes to be after 3 minutes.

