



Family Fun Companies, INC.
Parts, Service and Distribution
708-598-3720

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1. Brief Description

"Reactor" (TW.JQ03.36) is a ticket machine for 1 to 3 players. The play area has 3 symmetrical play stations surrounding a rotating center column target. Each play station can be equally access the rotating targets which are slots in various positions seen vertically on the column. These slots represent ticket score values. There are 3 Jackpot target slots which award the Jackpot ticket scores values. There are 3 Jackpot award shown as well as advancing the 3 Jackpot award value to a higher level. The 3 Jackpot levels advance each time a player at any station wins towards playing for the "Mega-Jackpot" award which is shown on a block display in each play station.

We are confident "Reactor" will be a fun, reliable, and long term income generating machine for your location!

2. Caution

2-1. Notice for Installation

- This machine is *only* intended for indoor use.
- After installation, we recommend always lowering the four stabilizing levelers
- Remove power before servicing
- Operate on a level surface
- Avoid operation in high temperatures

2-2. Notice for Operation

- Inspect whether the power plug and power cord are in good condition before switching the power on. Make sure that the voltage is suitable for the machine.
- The power supply voltage must be consistent with the specifications on the back of the machine.
- Switch the power off before any maintenance or repair.
- Only qualified persons can examine and repair the electric control units.
- Only use authentic, authorized components to replace the old ones.

3. Accessories

Check that the following accessories are supplied.

| Name | Qty | Remark |
|-----------------------------|----------------|--|
| Manual | 1 | |
| Power cord | 1 | |
| Key | 6 | 3172(2pcs); 3157(2pcs) ; 1866(2pcs) |
| The Bounce Pad | 3 | Each machine with three small pieces |
| Coin Selector | 1 | TW-930 (Every 18 machines with one) |
| Main Board | 1 | JL-MainBoard-V2012.PCB (Every 18 machines with a piece) |
| Power Supply | 1 | EPT-S150D12+5R (Every 18 machines with one) |
| | 1 | EST-H200S24 (Every 18 machines with one) |
| Stepper Motor Driver | 1 | Leadshine DM556 (Every 18 machines with one) |
| Score Sheet | 1 (Set) | 5、10、20、30、40、50、60、70 |
| Optional Win Hole A | 6 | 12mm |

4. How to Play

- ◆ Players insert coin(s) into the coin selector at the target column which passes through the coin mechanism, players need to correctly grasp the time of the release of the coin, time the release of the coin. The coin is deflected off the bounce pad and passes through the target slot. When a coin enters a win slot an award of that target amount is dispensed to the player and the win value is increased to the next higher level.
- ◆ On the 8th level the player will win the Mega Jackpot.
- ◆ Coins which do not pass through the column are directed through the base of the column and into the coin box below.
- ◆ All 3 play stations can win at any time .Following the win of the “Mega-Jackpot”, the Jackpot award level then returns to the bottom of the column to start over.

5. Technical Parameter

Model Number TW.JQ03.36

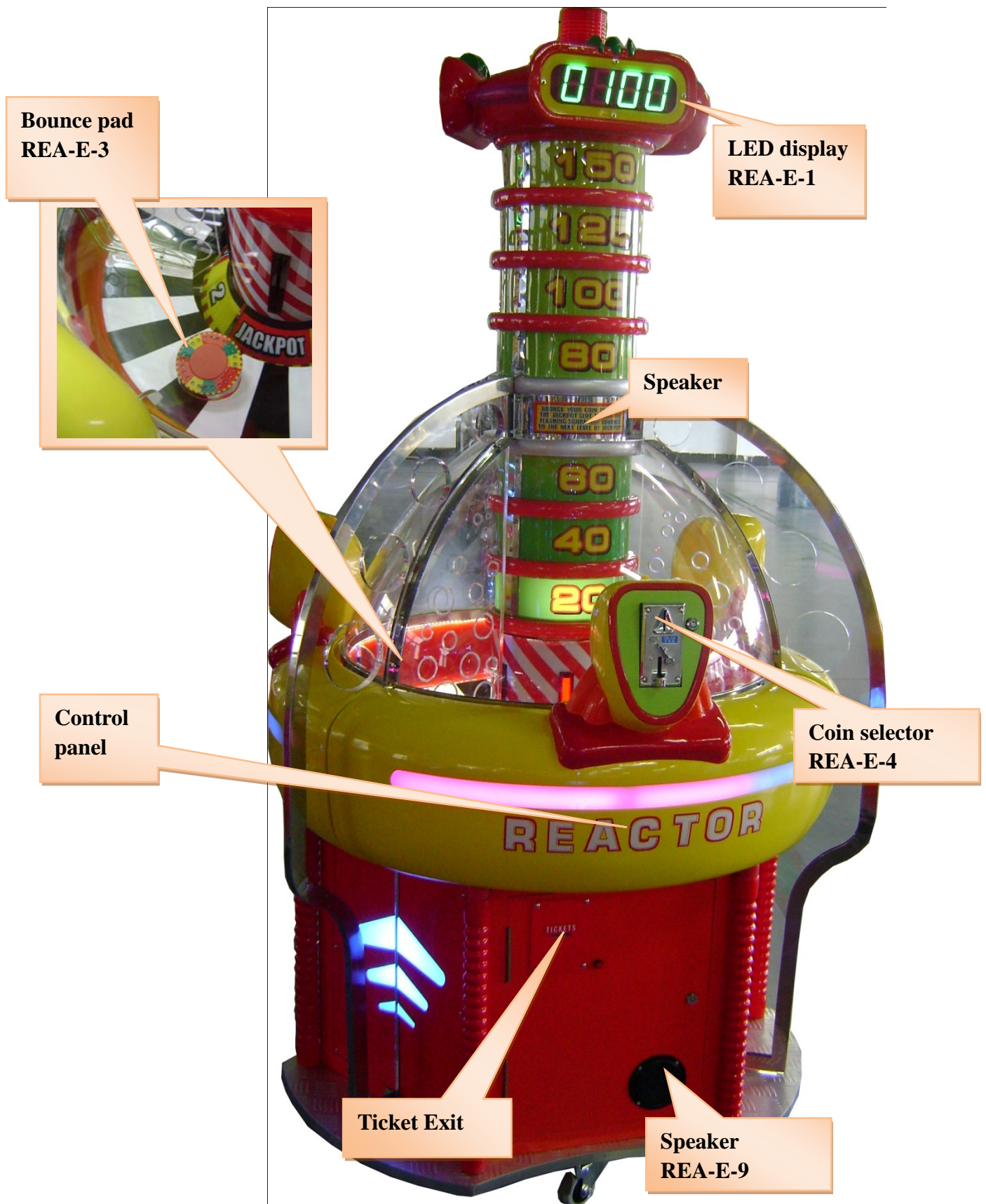
Dimension W 1200 × D 1110 × H 2180 (mm)

Weight 215KG

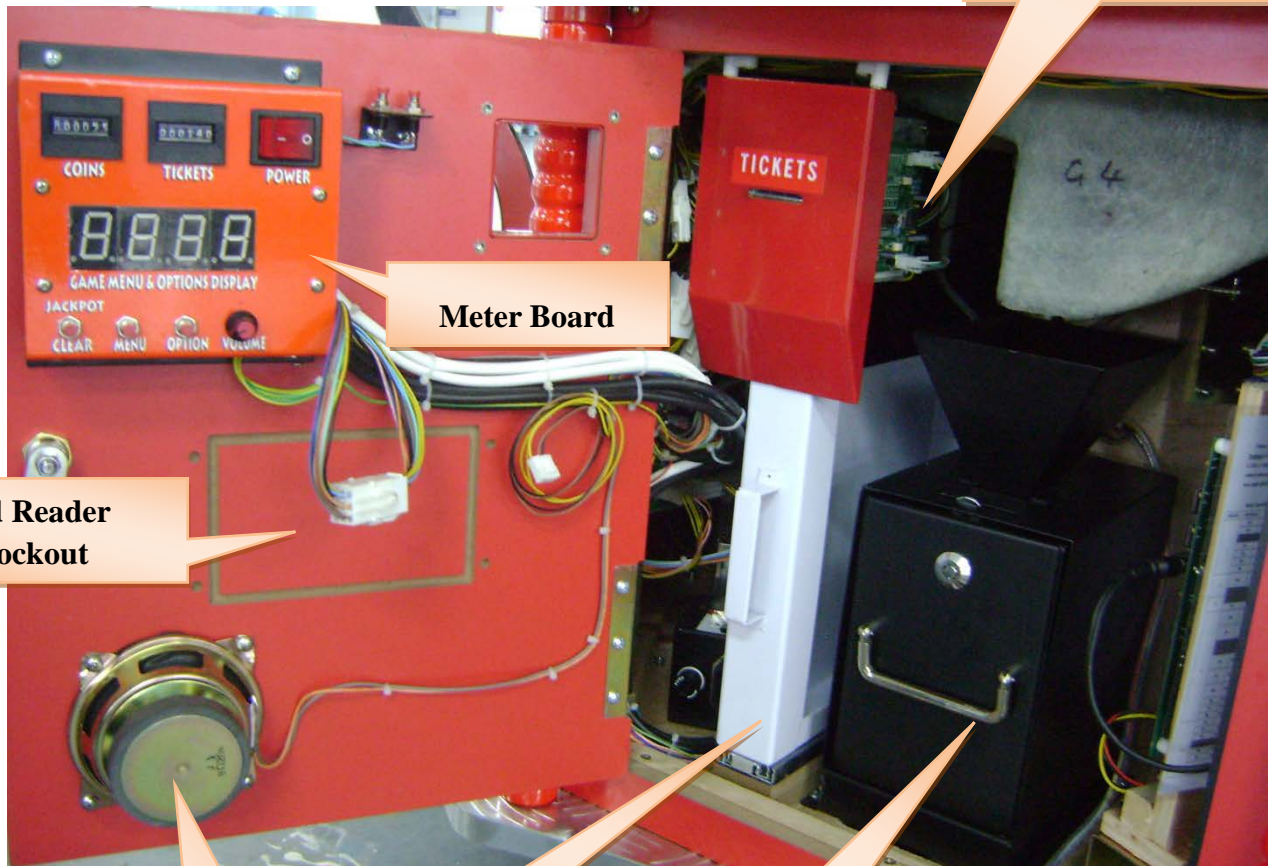
Maximum Power 150W

Environment Requirement: Temperature from -10 °C ~ +40 °C , low radiation, low humidity and no serious vibration.

. Appearance



7. All Parts Description and Location



Ticket Dispenser

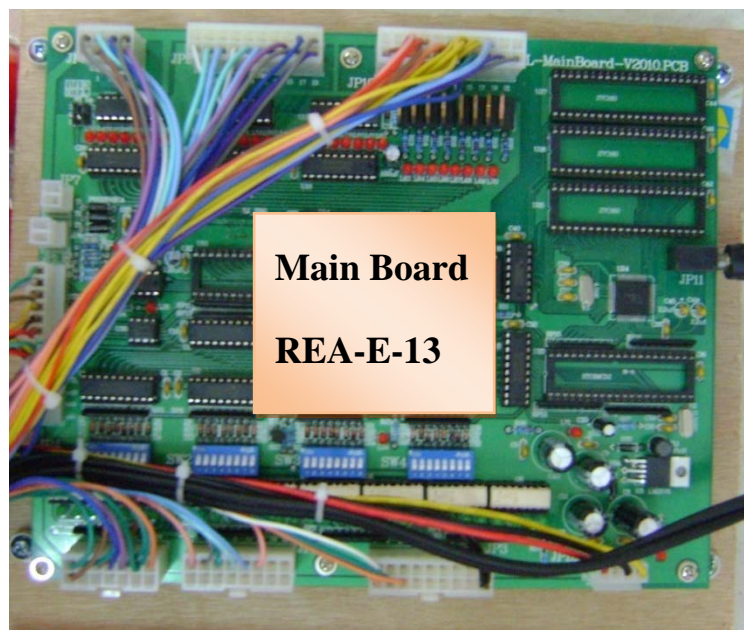
Meter Board

**Card Reader
Knockout**

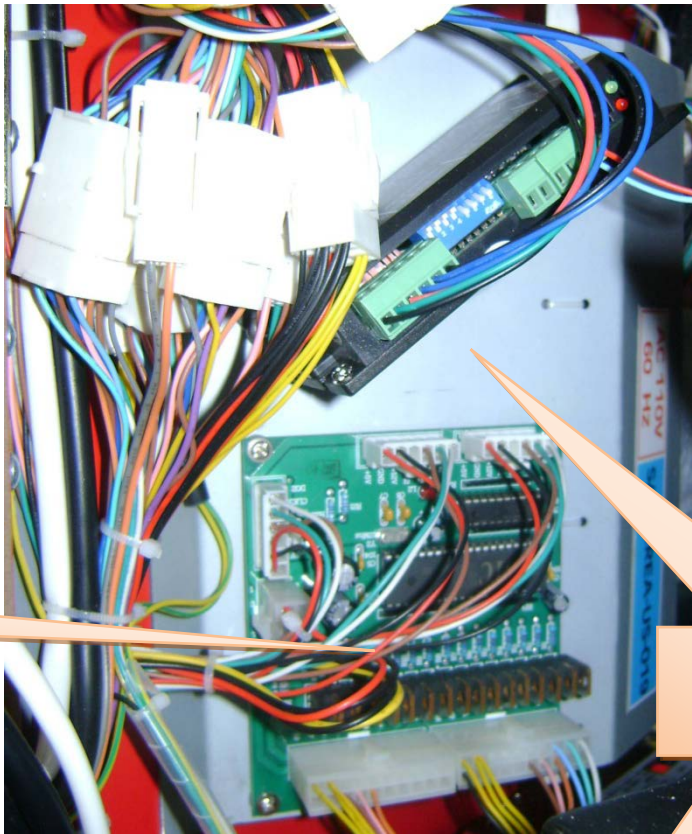
**Speaker
REA-E-8**

**Ticket Box
REA-E-10**

**Coin Box
REA-E-11**



**Main Board
REA-E-13**



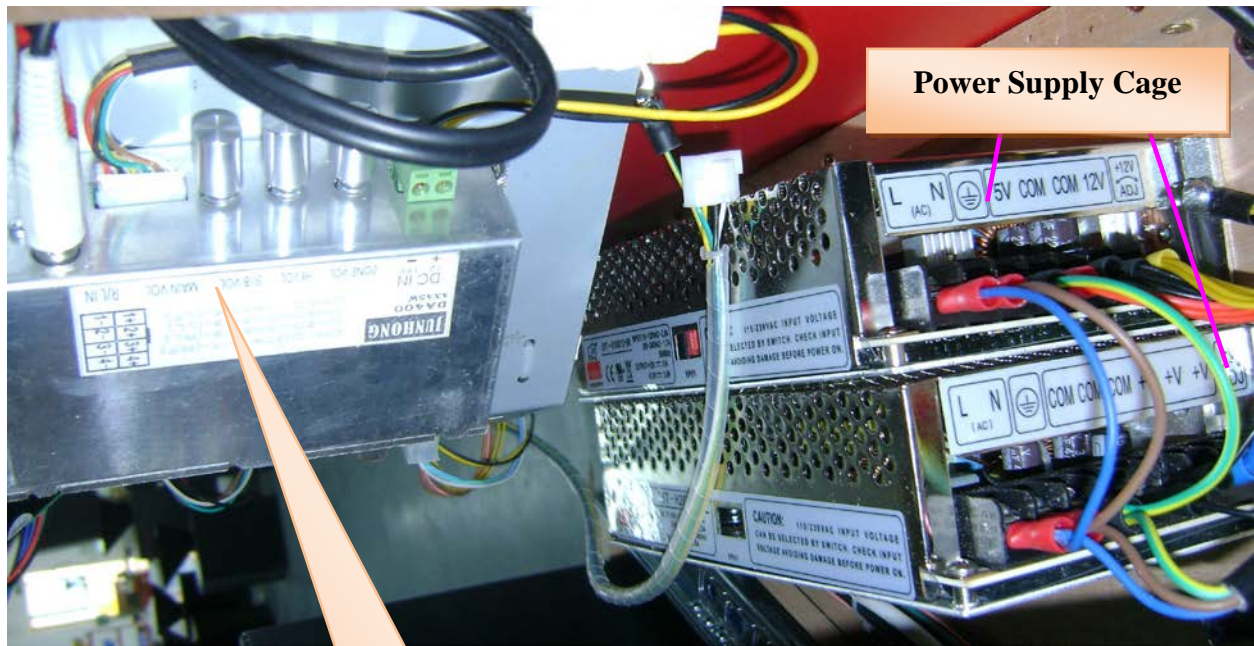
Lamp Control Board

Stepper Motor Driver
REA-E-18



DM556 Stepper Motor Driver Setting Default Value

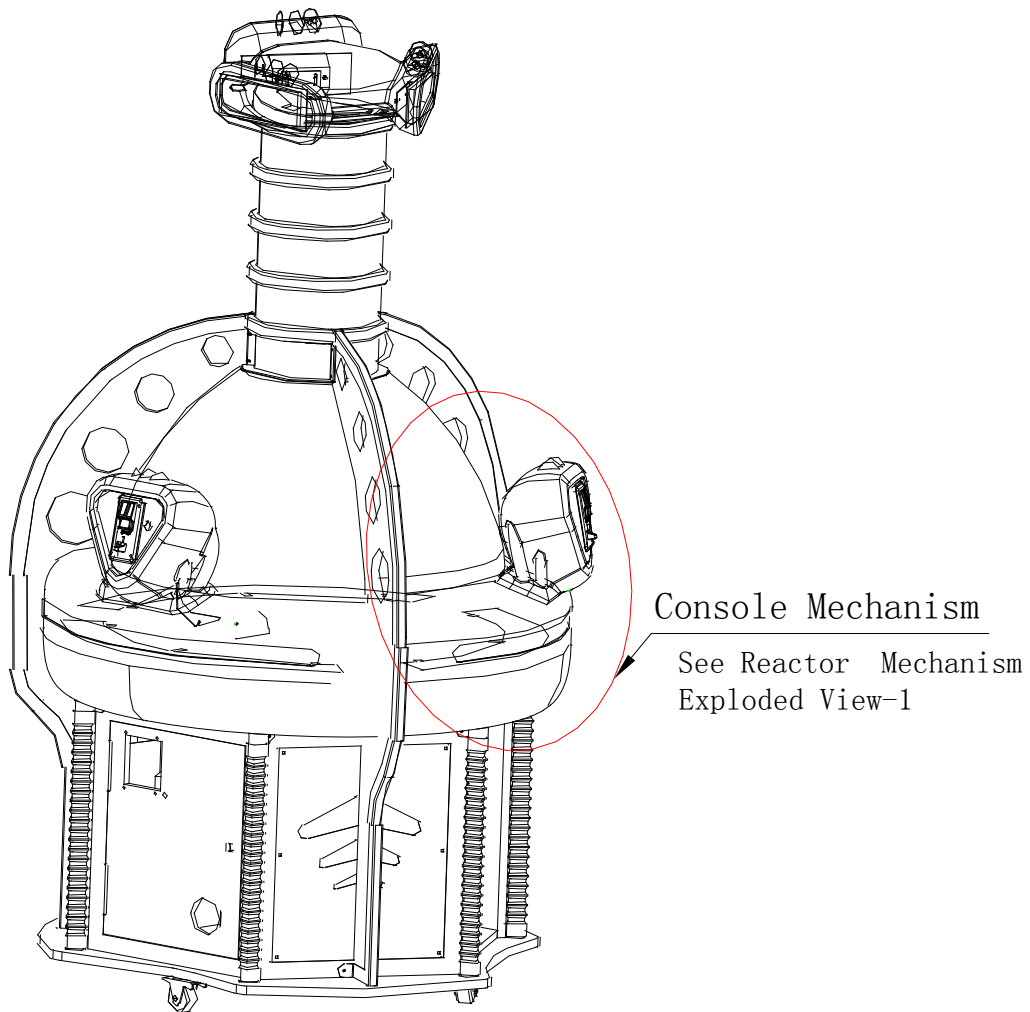
| SW | SW1 | SW2 | SW3 | SW4 | SW5 | SW6 | SW7 | SW8 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| Default | on | off | on | off | on | on | on | on |



Power Supply Cage

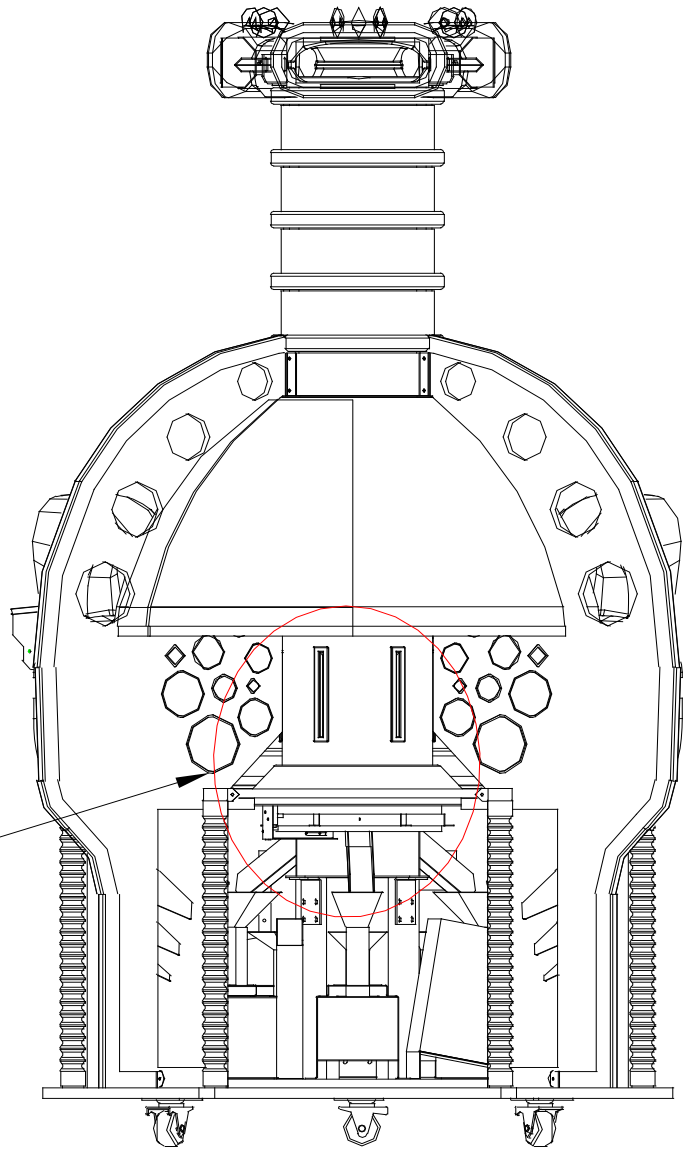
Audio Power
Amplifier

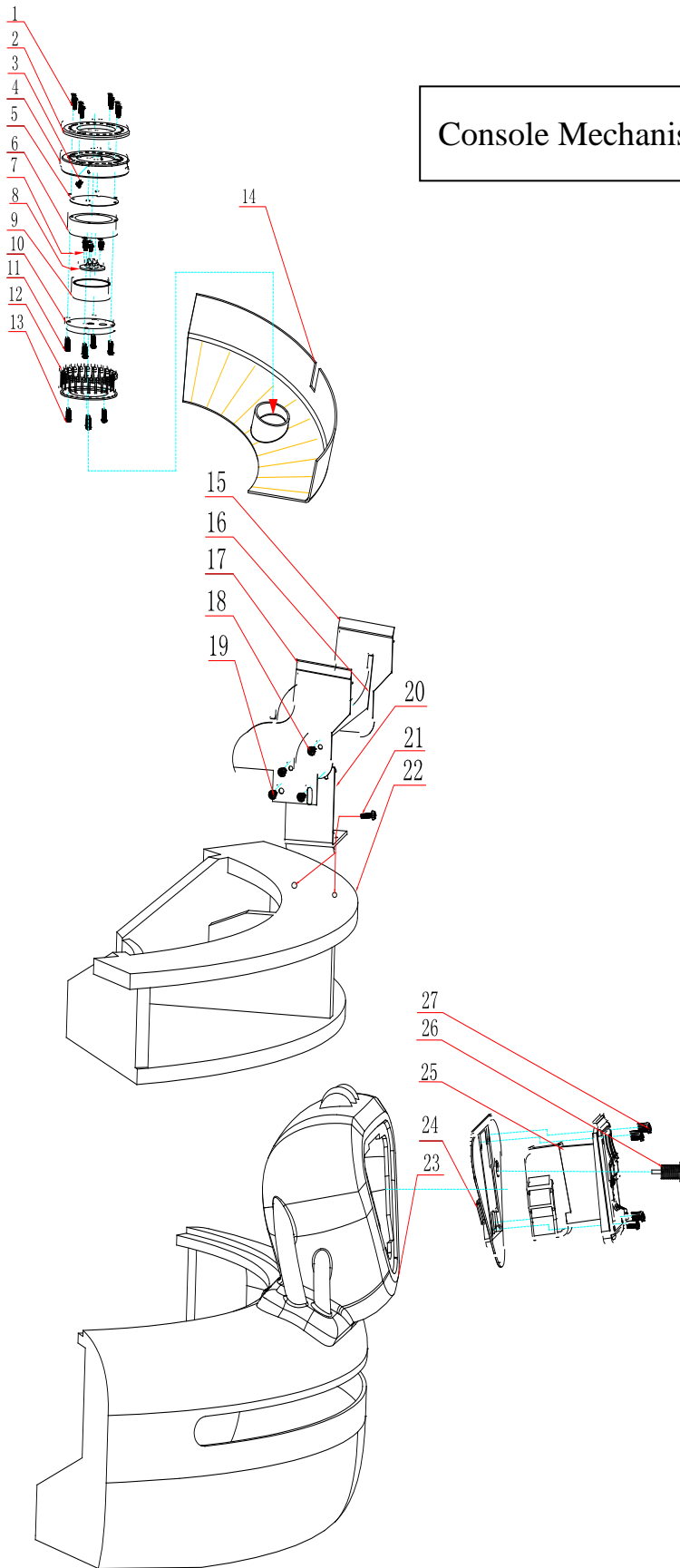
8. Mechanical Parts Illustration



Transmission Mechanism

See Reactor Mechanism
Exploded View-2

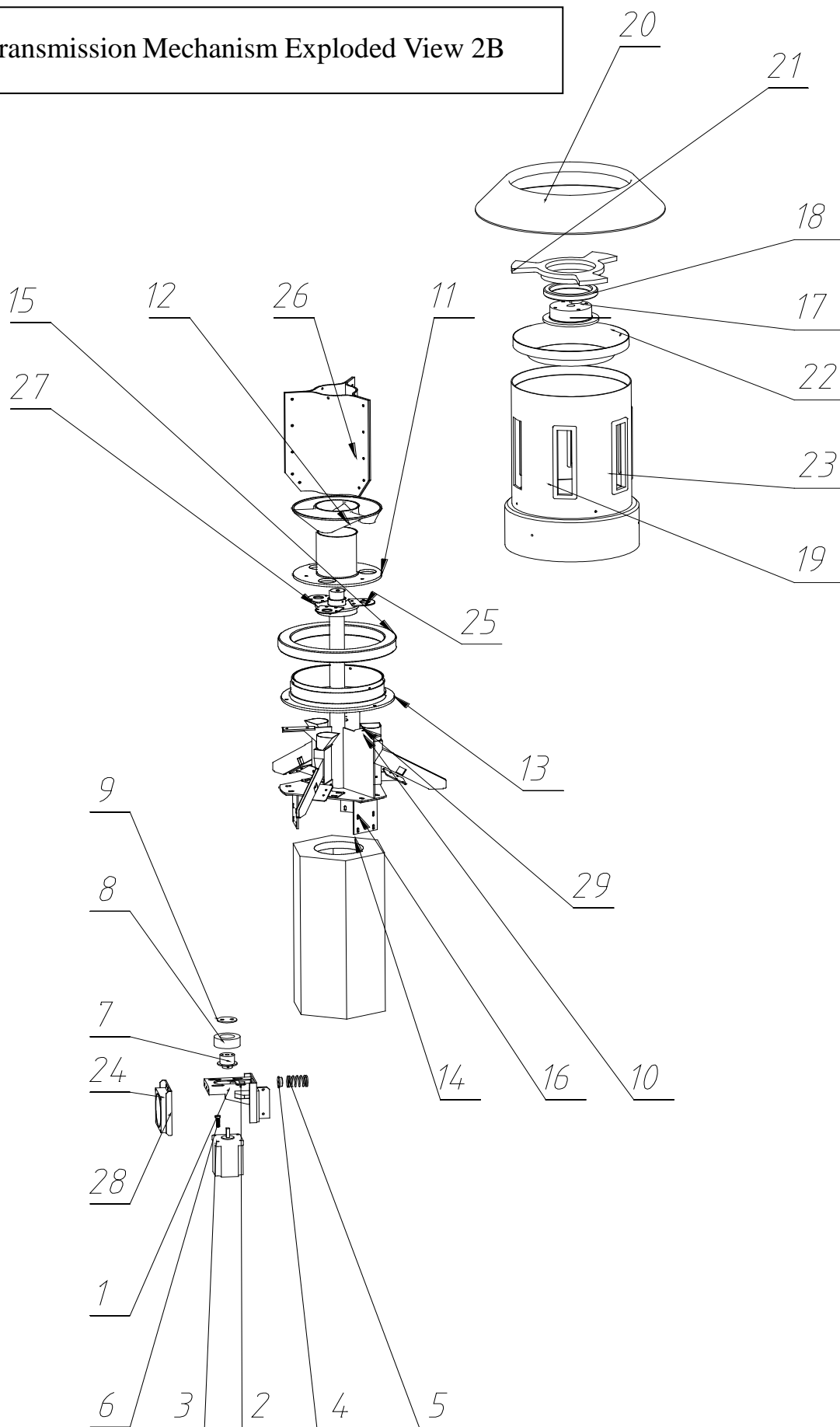




Console Mechanism Exploded View 1

| No. | NAME | QTY |
|----------|---|-----|
| REA-1-1 | M3*10 Hexagon head screws | 4 |
| REA-1-2 | the reactor console | 1 |
| REA-1-3 | M4*6 Hexagon socket headless screws | 3 |
| REA-1-4 | The reactor console cover | 1 |
| REA-1-5 | Rubber | 1 |
| REA-1-6 | the reactor console stand | 1 |
| REA-1-7 | Countersunk head screws M3*10 | 3 |
| REA-1-8 | Lamp board (white) | 1 |
| REA-1-9 | The reactor board | 1 |
| REA-1-10 | Adjustable plate | 4 |
| REA-1-11 | M4*16Cross recessed countersunk head screws | 4 |
| REA-1-12 | Lamp board (colorful) | 1 |
| REA-1-13 | Countersunk head screws M3*10 | 3 |
| REA-1-14 | FRP | 1 |
| REA-1-15 | Coin slot Components a | 1 |
| REA-1-16 | Coin slot Components c | 1 |
| REA-1-17 | Coin slot Components b | 1 |
| REA-1-18 | M4*16 Cross recessed pan head screw with plastic nuts | 2 |
| REA-1-19 | M5*12 Cross screws with meson | 2 |
| REA-1-20 | The main frame of Coin Selector | 1 |
| REA-1-21 | ST4*12 Truss Head Screws | 2 |
| REA-1-22 | The main frame of Console | 1 |
| REA-1-23 | FRP | 1 |
| REA-1-24 | Coin Selector cover board | 1 |
| REA-1-25 | Coin Selector | 1 |
| REA-1-26 | Lock | 1 |
| REA-1-27 | Round head machine screw M4*20 | 1 |

Transmission Mechanism Exploded View 2B



Reactor

| NO. | Description | Qty |
|-----------|-------------------------------|-----|
| REA-2B-1 | Motor Stand | 1 |
| REA-2B-2 | Motor Plate | 1 |
| REA-2B-3 | Stepper motor | 1 |
| REA-2B-4 | Spring fixed column | 1 |
| REA-2B-5 | Spring | 1 |
| REA-2B-6 | Motor connection screw | 1 |
| REA-2B-7 | Rotating shaft | 1 |
| REA-2B-8 | Friction wheel | 1 |
| REA-2B-9 | Friction wheel locking pieces | 1 |
| REA-2B-10 | The main frame of turntable | 1 |
| REA-2B-11 | Turntable inner cover B | 1 |
| REA-2B-12 | Funnel | 1 |
| REA-2B-13 | Bearing block A | 1 |
| REA-2B-14 | Support table | 1 |
| REA-2B-15 | Bearing 61838 | 1 |
| REA-2B-16 | Strengthening A | 3 |
| REA-2B-17 | Light box supporting base | 1 |
| REA-2B-18 | Bearing 61817 | 1 |
| REA-2B-19 | Win Hole rotating sleeve | 1 |
| REA-2B-20 | Score bracket stand | 1 |
| REA-2B-21 | Bearing housing B | 1 |
| REA-2B-22 | Check ring | 1 |
| REA-2B-23 | Optional Win Hole C | 1 |
| REA-2B-24 | Little Fan | 1 |
| REA-2B-25 | Lamp stator | 1 |
| REA-2B-26 | Within retainer stand | 6 |
| REA-2B-27 | Within Decorative stand | 1 |
| REA-2B-28 | Fan base | 1 |
| REA-2B-29 | Win Hole Coin Slot group | 3 |
| | | |

9. Component

9-1. Meter Board



Coins: Total number of coins

Tickets: Total number of tickets

Game Menu& Options Display: Enter to the menu display and adjustment display.

Jackpot Clear: Press this button to clear the coin memory and all data stored.

Menu: Press this button to enter or exit from the menu.

Option: Press this button to enter the various Option settings.

Clear Alarm for No Ticket: Install tickets and press this button to replenish the owed tickets when the tickets run out.

9-2. Power Supply Input Panel

Power Supply Jack: Two power supply jack, each at the top and bottom of the machine.

Fuse: There is an AC fuse in the fuse tube. Its specification is $\phi 6\text{mm} \times 30\text{mm}$.

9-3.Coin Selector



Coin selector is the CPU Comparison Type Coin selector, coin smooth, more accurate identification.

Coin release bar : Press this button to make the coin out if the there is any coin jam.

Coin exit: If it is a non-standardized coin, the coin will be paid back to this exit.

VR: If the standardized coin is paid back, please adjust VR.

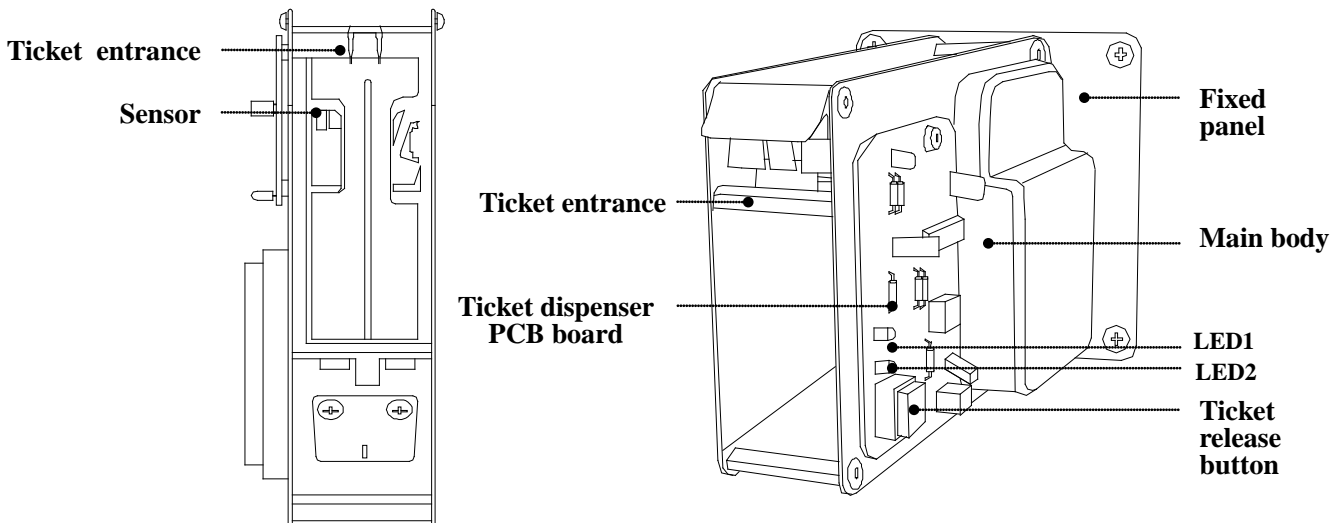
Rated voltage: $DC+12V \pm 10\%$, **Working current:** $60mA \pm 5\%$, **CONUTER:** connect to the coin counter, **GND:** to ground, **COIN:** Signal of coin insertion output.

Acceptable coin size: $\phi 20mm \sim \phi 30mm$ in diameter, $1.7mm \sim 2.4mm$ in thickness.

Coin inserting time adjustment: FAST (20mS FAST)、MIDDLE (40mS MEDIUM)、SLOW (60mS SLOW) three section of pulse. It has been faulted to MEDIUM.

Output current level adjustment: NO or NC, it has been faulted to NO.

9-4. Ticket Dispenser



Ticket entrance: To load tickets.

Mounting plate: To fix the ticket dispenser.

Tickets exit button: Press this button and the machine dispenses tickets automatically.

METER: Connect motor of ticket dispenser.

LED: Ticket indicator light

Sensor: To test tickets.

Tickets installation:

A. Put tickets into the ticket pivot, under the pressing wheel.

B. Press the micro switch, until one paper of ticket comes out.

C. Caution:

- ① Tickets cannot overlap each other in the tickets pivot;
- ② Tickets should be placed according to the exit direction;
- ③ Do not let the wires and tickets be in contact;
- ④ When tickets blocked in the ticket dispenser, please get off it and clear the jam manually.

10. Error Analysis

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|-----------------------------------|--|---|
| No power at startup | <ol style="list-style-type: none"> 1. The power is not on. 2. Power supply box failure 3. Crystal oscillator stops. 4. The chip for main program is damaged. | <ol style="list-style-type: none"> 1. Check power supply AC voltage. 2. Check +5 and +12 DC output. Replace power supply cage if there is no output. 3. Replace the 11.0592M crystal oscillator on the main PC board, the grounding voltage for two pins should be in the range from 2.1 to 3.1. 4. Replace the chip for main program. |
| LED is not full brightness (dim). | <ol style="list-style-type: none"> 1. This section has been burnt out. 2. No IC6B595 output. | <ol style="list-style-type: none"> 1. Replace LED 2. Replace IC6B595 |
| No sound | <ol style="list-style-type: none"> 1. Speaker damage 2. Amplifier IC is burnt out. 3. 6295 IC is burnt out. 4. No +12V power reaches amplifier IC. | <ol style="list-style-type: none"> 1. Disconnect the power and check D.C. resistance for speaker. Replace speaker. 2. Replace the fore signal terminal if the power supply is OK, or amplifier IC is damaged. Speaker is OK if it buzzes. 3. If item 1, 2, 4 work well, it is may be 6295 IC failure or the speech chip failure. 4. Make sure that the +12V power supply is provided. |

11. Appendix

11-1. PIN Connection on Main Board

| Port Code | Port No. | Program Items | I/O No. | Specification Of Wiring | Wiring Color | Function |
|-----------|----------|---------------|---------|-------------------------|--------------|--|
| JP1 | 1 | IN1.0 | IN#0 | 0.3mm | | 1#Coin In |
| | 2 | IN1.1 | IN#1 | 0.3mm | | 1#Coin signal |
| | 3 | +12v | | 0.3mm | | |
| | 4 | IN1.2 | IN#2 | 0.3mm | | 1# Ticket Dispenser Feedback |
| | 5 | +12v | | 0.3mm | | Meter Power Supply |
| | 6 | IN1.3 | IN#3 | 0.3mm | | 1# Test Signal for No Ticket |
| | 7 | +5v | | | | |
| | 8 | IN1.4 | IN#4 | 0.3mm | | Menu (Enter / Save) |
| | 9 | +5v | | | | |
| | 10 | IN1.5 | IN#5 | 0.3mm | | Test Switch (Adjustment) |
| | 11 | GND | | 0.3mm | Black | Grounding for Coin Selector and Ticket Dispenser |
| | 12 | IN1.6 | IN#6 | 0.3mm | | Clear Alarm for No Ticket Switch |
| | 13 | GND | | 0.3mm | Black | Button Grounding |
| | 14 | IN1.7 | IN#7 | 0.3mm | | JP Clear Switch |
| JP2 | 1 | +12v | | | | |
| | 2 | IN2.0 | IN#8 | 0.3mm | | 2# Coin In |
| | 3 | +12v | | | | |
| | 4 | IN2.1 | IN#9 | 0.3mm | | 2# Coin signal |
| | 5 | +5v | | | | |
| | 6 | IN2.2 | IN#10 | 0.3mm | | 2# Ticket Dispenser Feedback |
| | 7 | +5v | | | | |
| | 8 | IN2.3 | IN#11 | 0.3mm | | Initialize signal |
| | 9 | +5v | | | | |
| | 10 | IN2.4 | IN#12 | 0.3mm | | Keep-step signal |
| | 11 | GND | | | | |
| | 12 | IN2.5 | IN#13 | | | 2# Test signal for No Ticket |
| | 13 | GND | | | | Button Switch Grounding |
| | 14 | IN2.6 | IN#14 | | | |
| | 15 | GND | | | | |
| | 16 | IN2.7 | IN#15 | | | |
| JP3 | 1 | IN3.0 | IN#16 | 0.3mm | | 3# Coin In |
| | 2 | IN3.1 | IN#17 | 0.3mm | | 3# Coin signal |
| | 3 | IN3.2 | IN#18 | 0.3mm | | 3# Ticket Dispenser Feedback |
| | 4 | IN3.3 | IN#19 | 0.3mm | | 3# Test signal for No Ticket |
| | 5 | IN3.4 | IN#20 | 0.3mm | | |
| | 6 | IN3.5 | IN#21 | | | |
| | 7 | IN3.6 | IN#22 | | | |

Reactor

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|-----|----|--------|--------|-------|--|--|
| | 8 | IN3.7 | IN#23 | | | |
| | 9 | IN4.0 | IN#24 | | | 1#Coin selector signal |
| | 10 | IN4.1 | IN#25 | | | 2# Coin selector signal |
| | 11 | IN4.2 | IN#26 | | | 3# Coin selector signal |
| | 12 | IN4.3 | IN#27 | | | 1# Coin selector Feedback signal |
| | 13 | IN4.4 | IN#28 | | | 2# Coin selector Feedback signal |
| | 14 | IN4.5 | IN#29 | | | 3# Coin selector Feedback signal |
| | 15 | +5v | | | | |
| | 16 | IN4.6 | IN#30 | | | |
| | 17 | GND | | | | |
| | 18 | IN4.7 | IN#31 | | | |
| JP4 | 1 | CLK | P1.0 | 0.5mm | | Digital LED Board Output: Connection Turns: 1.4-Digit LED (Adjusting Display); 2.4-Digit LED (1# Awards number) 3.4-Digit LED (2# Awards number) 4.4-Digit LED (3# Awards number) |
| | 2 | DO | P1.1 | 0.5mm | | |
| | 3 | CTL | P1.2 | 0.5mm | | |
| | 4 | +12v | O | 0.3mm | | |
| | 5 | GND | O | 0.3mm | | |
| | 6 | +5v | O | 0.3mm | | |
| JP5 | 1 | CLK | P1.3 | 0.5mm | | |
| | 2 | DO | P1.4 | 0.5mm | | |
| | 3 | CTL | P1.5 | 0.5mm | | |
| | 4 | +12v | O | 0.3mm | | |
| | 5 | GND | O | 0.3mm | | |
| | 6 | +5v | O | 0.3mm | | |
| JP8 | 1 | OUT1.0 | OUT#0 | 0.3mm | | 1#Ticket drive |
| | 2 | OUT1.1 | OUT#1 | 0.3mm | | Ticket Meter |
| | 3 | OUT1.2 | OUT#2 | 0.3mm | | Coin Meter |
| | 4 | OUT1.3 | OUT#3 | 0.3mm | | 1# Coin-In Lamp |
| | 5 | OUT1.4 | OUT#4 | 0.3mm | | 1# Alarm Lamp for No Ticket |
| | 6 | OUT1.5 | OUT#5 | 0.3mm | | 1# Red light of coin reactor board |
| | 7 | OUT1.6 | OUT#6 | 0.3mm | | 1#Green light of coin reactor board |
| | 8 | OUT1.7 | OUT#7 | 0.3mm | | 1#Blue light of coin reactor board |
| JP9 | 1 | OUT2.0 | OUT#8 | 0.3mm | | 2# Ticket drive |
| | 2 | GND | | | | |
| | 3 | OUT2.1 | OUT#9 | 0.3mm | | 2# Coin-In Lamp |
| | 4 | GND | | | | |
| | 5 | OUT2.2 | OUT#10 | 0.3mm | | 2# Alarm Lamp for No Ticket |
| | 6 | +5v | | | | |
| | 7 | OUT2.3 | OUT#11 | 0.3mm | | 3# Ticket drive |
| | 8 | +5v | | | | |
| | 9 | OUT2.4 | OUT#12 | 0.3mm | | 3# Coin-In Lamp |
| | 10 | +12v | | | | |

Reactor

| | | | | | | |
|------|----|--------|--------|-------|--|--------------------------------------|
| | 11 | OUT2.5 | OUT#13 | 0.3mm | | 3# Alarm Lamp for No Ticket |
| | 12 | +12v | | | | |
| | 13 | OUT2.6 | OUT#14 | 0.3mm | | 2# Red light of coin reactor board |
| | 14 | +12v | | | | |
| | 15 | OUT2.7 | OUT#15 | 0.3mm | | 2# Green light of coin reactor board |
| | 16 | +12v | | | | |
| | 17 | OUT3.0 | OUT#16 | 0.3mm | | 2# Blue light of coin reactor board |
| | 18 | OUT3.1 | OUT#17 | 0.3mm | | 3# Red light of coin reactor board |
| | 19 | OUT3.2 | OUT#18 | 0.3mm | | 3# Green light of coin reactor board |
| | 20 | OUT3.3 | OUT#19 | 0.3mm | | 3# Blue light of coin reactor board |
| JP10 | 1 | OUT3.5 | OUT#20 | | | 1# Coin drive |
| | 2 | OUT3.4 | OUT#21 | | | 2# Coin drive |
| | 3 | OUT3.6 | OUT#22 | | | 3# Coin drive |
| | 4 | +5v | | | | |
| | 5 | OUT3.7 | OUT#23 | | | |
| | 6 | +5v | | | | |
| | 7 | OUT4.0 | OUT#24 | 0.3mm | | Ring lamp 1 |
| | 8 | +5v | | | | |
| | 9 | OUT4.1 | OUT#25 | 0.3mm | | Ring lamp 2 |
| | 10 | +5v | | | | |
| | 11 | OUT4.2 | OUT#26 | 0.3mm | | Ring lamp 3 |
| | 12 | +12v | | | | |
| | 13 | OUT4.3 | OUT#27 | 0.3mm | | Intermediate lamp |
| | 14 | +12v | | | | |
| | 15 | OUT4.4 | OUT#28 | 0.3mm | | Ring lamp 4 |
| | 16 | +12v | | | | |
| | 17 | OUT4.5 | OUT#29 | 0.3mm | | Ring lamp 5 |
| | 18 | Clk1 | | 0.3mm | | Motor clock |
| | 19 | OUT4.6 | OUT#30 | 0.3mm | | Ring lamp 6 |
| | 20 | Clk2 | | | | |
| | 21 | OUT4.7 | OUT#31 | | | Ring lamp 7 |
| | 22 | Clk3 | | | | |
| JP12 | 1 | +5v | I | | | Power Supply Input Port |
| | 2 | GND | I | | | |
| | 3 | GND | I | | | |
| | 4 | +12v | I | | | |

11-2. Function Setting Instruction (Ver:010)

Press the **MENU** button to enter Function Settings during non-game play. **The Function Settings: LED (1000, 100)** showed MENU(Press the Menu button to change the value). Low 2 (10, a bit) LEDs display the **OPTION** button (Press the **OPTION** button to change the value).when entering the MENU 15, press the test button to test. When the **MENU** display 00, save and exit the settings.

State Specification:

| MENU | OPTION | ACTOIN | MENU | OPTION | ACTOIN |
|------|--------|--|------|--------|---------------------|
| 1 | 00 | Attract OFF | 5 | 00 | Mega Jackpot = 25 |
| | 01 | Attract every 30 seconds | | 01 | Mega Jackpot = 50 |
| | 02 | Attract every 45 seconds | | 02 | Mega Jackpot = 75 |
| | 03 | Attract every 60 seconds | | 03 | Mega Jackpot = 100 |
| | 04 | Attract every 90 seconds | | 04 | Mega Jackpot = 150 |
| | 05 | Attract every 120 seconds | | 05 | Mega Jackpot = 200 |
| | 06 | Attract every 180 seconds | | 06 | Mega Jackpot = 250 |
| 2 | 00 | Ticket Dispenser-OFF | | 07 | Mega Jackpot = 300 |
| | 01 | Ticket Dispenser – ON | | 08 | Mega Jackpot = 350 |
| 3 | 00 | 1 cent/ticket | | 09 | Mega Jackpot = 400 |
| | 01 | 2 cents/ticket | | 10 | Mega Jackpot = 450 |
| 4 | 00 | JP Tower #1: 6, 8, 10, 12, 14, 16, 18 | | 11 | Mega Jackpot = 500 |
| | 01 | JP Tower 2#: 10, 20, 30, 40, 50, 60, 70 | | 12 | Mega Jackpot = 550 |
| | 02 | JP Tower 3#: 20, 40, 60, 80, 100, 125, 150 | | 13 | Mega Jackpot = 600 |
| | 03 | JP Tower 4#: 30, 50, 80, 100, 200, 300, 400 | | 14 | Mega Jackpot = 650 |
| | 04 | JP Tower 5#: 25, 75, 125, 150, 175, 250, 300 | | 15 | Mega Jackpot = 700 |
| | 05 | JP Tower 6#: 50, 75, 100, 200, 400, 600, 800 | | 16 | Mega Jackpot = 750 |
| | 06 | JP Tower 7#: 2, 4, 6, 8, 10, 12, 15 | | 17 | Mega Jackpot = 800 |
| | 07 | JP Tower 8#: 5, 20, 30, 40, 50, 60, 70 | | 18 | Mega Jackpot = 850 |
| | 08 | JP Tower 9#: 10, 40, 60, 80, 100, 125, 150 | | 19 | Mega Jackpot = 900 |
| 6 | 00 | Mega Jackpot Surprise Value OFF | | 20 | Mega Jackpot = 950 |
| | 01 | Mega Jackpot Surprise Value ON: 582 tickets | | 21 | Mega Jackpot = 1000 |
| | 02 | Mega Jackpot Surprise Value ON: 1376 tickets | | 22 | Mega Jackpot = 1100 |
| | 03 | Mega Jackpot Surprise Value ON: 2981 tickets | | 23 | Mega Jackpot = 1200 |
| | 04 | Mega Jackpot Surprise Value ON: 3849 tickets | | 24 | Mega Jackpot = 1300 |
| | 05 | Mega Jackpot Surprise Value ON: 4278 tickets | | 25 | Mega Jackpot = 1400 |
| | 06 | Mega Jackpot Surprise Value ON: 5487 tickets | | 26 | Mega Jackpot = 1500 |
| MENU | OPTION | ACTOIN | MENU | OPTION | ACTOIN |

Reactor

| | | | | | | | |
|----|----|--|--|----|----|---|----------------|
| 7 | 00 | Mega Jackpot Surprise Value Every 15 Minutes | These function are valid when the player win the JACKP OT | 10 | 00 | No Mercy Ticket | |
| | 01 | Mega Jackpot Surprise Value Every 30 Minutes | | | 01 | 1 Mercy Ticket | |
| | 02 | Mega Jackpot Surprise Value Every 45 Minutes | | | 02 | 2 Mercy Ticket | |
| | 03 | Mega Jackpot Surprise Value Every 60 Minutes | | | 03 | 3 Mercy Ticket | |
| | 04 | Mega Jackpot Surprise Value Every 90 Minutes | | | 04 | 4 Mercy Ticket | |
| | 05 | Mega Jackpot Surprise Value Every 120 Minutes | | | 05 | 5 Mercy Ticket | |
| 8 | 00 | Mega Jackpot Surprise Value Reset at 15 seconds | JP column lights chase Time | 11 | 00 | Drum Speed Slowest | Motor speed |
| | 01 | Mega Jackpot Surprise Value Reset at 30 seconds | | | 01 | Drum Speed Slow | |
| | 02 | Mega Jackpot Surprise Value Reset at 45 seconds | | | 02 | Drum Speed Medium | |
| | 03 | Mega Jackpot Surprise Value Reset at 60seconds | | | 03 | Drum Speed Fast | |
| 9 | 00 | Winning ways (increase) | JP Column lights | 12 | 00 | All Wins Paid by ticket dispenser | |
| | 01 | Winning ways (30 seconds to reset) | | | 01 | Wins over 1000 will call attendant pay | |
| | 02 | Winning ways (60 seconds to reset) | | 14 | 00 | Hopper System 1 coin dispensed per pulse | |
| 13 | 00 | Motor speed according setting to run | | | 01 | Hopper System 2 coin dispensed per pulse | |
| | 01 | Motor speed random run | | | 02 | Hopper System 5 coin dispensed per pulse | |
| 15 | 00 | Test: audio frequency (press menu to exit from the testing) | | | | | |
| | 01 | Test: all Lights of the games flash (press menu to exit from the testing) | | | | | |
| | 02 | Test: all of JP column lights flash by upward (press menu to exit from the testing) | | | | | |
| | 03 | Test: coin slot sensor of target column (press menu to exit from the testing) | | | | | |
| | 04 | Test: all coin selectors (press menu to exit from the testing) | | | | | |
| | 05 | Test: 1#Ticket running (press menu to exit from the testing) | | | | | |
| | 06 | Test: 2#Ticket running (press menu to exit from the testing) | | | | | |
| | 07 | Test: 3#Ticket running (press menu to exit from the testing) | | | | | |
| | 08 | Test: Mega Jackpot display screen flash (press menu to exit from the testing) | | | | | |
| | 09 | Test: target column motor running (press menu to exit from the testing) | | | | | |
| 0 | 00 | Display three seconds, then save and exit setting | | | | | |

Error Code: E1: Alarm for Coin-In Timeout

no-t: Alarm for Ticket-Out Timeout

no-c: Alarm for Coin-Out Timeout

- Note:**
- 1. Each side of the alarm display on the each side digital, 7 and 9 settings must be set to open in item 6 to be useful.**
 - 2. The token vending system depends on the output pulse of the card swipe system. In other words, how many token out per swiping card in the setting, then the corresponding token will be got from the coin vending system.**
 - 3. After electrify, digital tubes display the version number.**

11-3. Lamp Control Board Connection Table

JL_YYJ_KZ.PCB

| Port Code | Port No. | Function | Specification Of Wiring | Wiring Color | Remark |
|-----------|----------|------------------------------|-------------------------|--------------|---|
| JP1 & JP2 | 1 | Side light1 | φ0.3mm | | JP1 and JP2 are parallel connection All Light + 5V power |
| | 2 | Awards alarm lamp | φ0.3mm | | |
| | 3 | Side light 2 | φ0.3mm | | |
| | 4 | | φ0.3mm | | |
| | 5 | Side light 3 | φ0.3mm | | |
| | 6 | 3# Coin-in testing lamp | φ0.3mm | | |
| | 7 | | φ0.3mm | | |
| | 8 | 2# Coin-in testing lamp | φ0.3mm | | |
| | 9 | | φ0.3mm | | |
| | 10 | 1# Coin-in testing lamp | φ0.3mm | | |
| | 11 | | φ0.3mm | | |
| | 12 | 3# Side lamp | φ0.3mm | | |
| | 13 | | φ0.3mm | | |
| | 14 | 2# Side lamp | φ0.3mm | | |
| | 15 | | | | |
| | 16 | 1# Side lamp | φ0.3mm | | |
| | 17 | +12V | | | |
| | 18 | GND | | | |
| | 19 | +12V | | | |
| | 20 | GND | | | |
| JP3 | 1 | +5V | φ0.5mm | red | Power input wire |
| | 2 | +5V | | | |
| | 3 | GND | φ0.5mm | black | |
| | 4 | GND | | | |
| | 5 | GND | φ0.5mm | black | |
| | 6 | GND | | | |
| | 7 | +12V | φ0.5mm | yellow | |
| | 8 | +12V | | | |
| JP4 & JP5 | 1 | Serial display shift clock | φ0.3mm | | 1#、2# Console Side light |
| | 2 | Serial display data | φ0.3mm | | |
| | 3 | Serial display Control latch | φ0.3mm | | |
| | 4 | +12V | NOP | | |
| | 5 | GND | φ0.5mm | | |
| | 6 | +5V | φ0.5mm | | |
| JP6 | 1 | Serial display shift clock | φ0.3mm | | 3# Console Side light |
| | 2 | Serial display data | φ0.3mm | | |
| | 3 | Serial display Control latch | φ0.3mm | | |
| | 4 | +12V | NOP | | |
| | 5 | GND | φ0.5mm | | |
| | 6 | +5V | φ0.5mm | | |

Notice: Contents subject to change without notice.