



※IMPORTANT

- ▶ Please read the manual carefully and keep it in mind before using this machine.
- ▶ Put this manual within touch of your reference in anytime.

PRECAUTIONS FOR USE

The following safety precautions are given throughout this manual. They must be strictly followed to protect those who install, use or maintain this product as well as to protect players, visitors and property.

For safety reasons.

- The following suggestions should be adhered to:

WARNING

Disregarding could result in serious injury.

CAUTION

Disregarding could result in injury or product damage.

- The following graphic suggestions describe the types of precautions to be followed.



Indicates a care should be taken.



Forbidden.



Indicates a matter which must be performed.

- Precautions to be followed:

Certain procedures require a qualified in-shop maintenance person or industry specialist. For such instructions, a qualified person must take care of the jobs.

- Otherwise an electric shock, machine trouble, or a serious accident may result.
- Replacing the machine parts, inspecting and maintaining the machines, and troubleshooting must be assigned only to a qualified in-shop maintenance person or industry specialist. This booklet gives instructions that hazardous jobs in particular must be handled by an industry specialist. Qualified in-shop maintenance person and industry specialist are defined as follows.

Qualified in-shop maintenance person

- A service staff shall have experience in operations of game machines. The staff shall be responsible for assembly, installation, inspection and maintenance of the machine.

Industry specialist

- An industry specialist must be engaged in designing, manufacturing, inspecting and servicing amusement machines. He or she must have an education in electrical, electronic and mechanical engineering, and routinely maintain and repair amusement machines.

♣ PRECAUTIONS FOR USE

⚠ WARNING

Be sure to consult an industry specialist when setting up, moving or transporting this product.

- This product should not be set up, moved or transported by any one other than an industry specialist.
- When installing this product, set the 4 leg levelers evenly on the floor and make sure that the product is installed stably in a horizontal position. Unstable installation may result in injury or accident.
- When installing this product, do not apply undue force on movable parts. Otherwise, injury and accident may result, or the product may be damaged.

The machine for indoor usage only does not install outside.

Do not set the game machine up near emergency exits.

Protect the game machine from:

- Rain or moisture.
- Direct sunlight.
- Direct heat from air-conditioning and heating equipment, etc..
- Hazardous flammable substances.
- Otherwise an accident or malfunction may result.

Do not place containers holding chemicals or water on or near the game machine.

Do not place objects near the ventilating holes.

Do not bend the power cord by force or place heavy objects on it.

Never plug or unplug the power cord with wet hands.

Never unplug the game machine by pulling the power cord.

⚠ CAUTION

Be sure to use indoor wiring within the specified voltage requirements. For extension cord, use the specified rating or more.

Be sure to use the attached power cord.

Never plug more than one cord at a time into the electrical receptacle.

Do not lay the power cord where people walk through.

Be sure to ground this product.

Do not exert excessive force when moving the machine.

For proper ventilation, keep the game machine 100mm(4") away from the walls.

Do not alter the system related dipswitch settings.

♣ PRECAUTIONS FOR USE

WARNING

If there is any abnormality such as smoke, bad smell or abnormal noise being emitted from the machine, immediately turn OFF the main power switch and unplug the power cord from the receptacle to stop operating it.



- Using the machine in abnormal conditions could result in fire or accidents.

In case of abnormality

1. Turn OFF the main power switch.
2. Unplug the power cord from the receptacle.
3. Contact your nearest dealer.

Do not leave the power cord plugged in improperly or covered with dust.



- Doing so could result in the power cord being damaged periodically.

CAUTION

Do not use this product anywhere other than industrial areas.



- Using in a residential area or an area next to a residential area could affect signal reception of radios, television sets, telephones, etc..

- Do not give shock the surface of glass products.

- Please do not play this game if
 - When you do drinking;
 - When your physical condition is not normal;
 - When you are in pregnancy;
 - When you have on a pulse controller;
 - When you have recently experienced a cramp or fainting away while watching TV.
- Avoid excessive force/shock while playing/moving the game.
- While do games, pay attention to surrounding.

Do not plug or unplug the power cord with wet hands.



In handling the power cord, follow the instructions below.



- | | |
|---|--|
| • Do not damage the power cord. | • Do not modify the power cord. |
| • Do not bend the power cord excessively. | • Do not twist the power cord. |
| • Do not heat the power cord. | • Do not pull the power cord. |
| • Do not bind the power cord. | • Do not stand on the power cord. |
| • Do not sandwich the power cord. | • Do not drive a nail into the power cord. |

If the power cord or power plug becomes damaged, stop using the machine immediately and ask your nearest dealer to replace the parts.

♣ PRECAUTIONS FOR USE

⚠ WARNING

Be sure to turn OFF the main power switch and unplug the power cord from the receptacle before inspecting or cleaning the machine.



When replacing parts, be sure to use parts of the correct specifications. Never use parts other than the specified ones.



Opening inside the machine shall be done by machine specialist only as high electric current is being sent inside. For game machine with monitor, a care should be taken while opening its back door. If not, a damage to the inside parts or the monitor may occur.



If the sub power switch of the service panel is turned OFF without turning OFF the main power switch of the power supply unit, some parts in the units remain live. When opening the back door, be sure to turn OFF the main power switch and unplug the power cord from the receptacle.



Strictly refrain from disassembly and repair of parts which are not indicated in this manual, as well as settings and remodeling.



To clean the game machine, wipe it with a soft cloth dampened in a neutral detergent.

- Using thinner or other organic solvent or alcohol may decompose the material.
- Electrical shock or equipment failure could be caused by water entering the inside of the machine.

⚠ CAUTION

Components in the game are sensitive to vibrations and impact. Care should be used when moving and transporting the game machine.



Be sure not to let the machine tip over.

Before moving the machine, be sure to turn OFF the main power switch, unplug the power cord from the receptacle and remove the power cord from the machine.



Before moving take the machine, off the levelers and move it on the casters.

Avoid excessive force while moving the machine.

PRECAUTIONS IN HANDLING

- When setting up, inspecting, maintaining, moving or transporting this product, follow the procedures and instructions set forth in this manual and perform such work safely.
- Do not set up, handle, inspect, maintain, move or transport this product under conditions equivalent to the condition of "WARNING" or "CAUTION" specified in this manual.
- If a new owner is to have this product as a result of transfer, etc., be sure to give this manual to the new owner.

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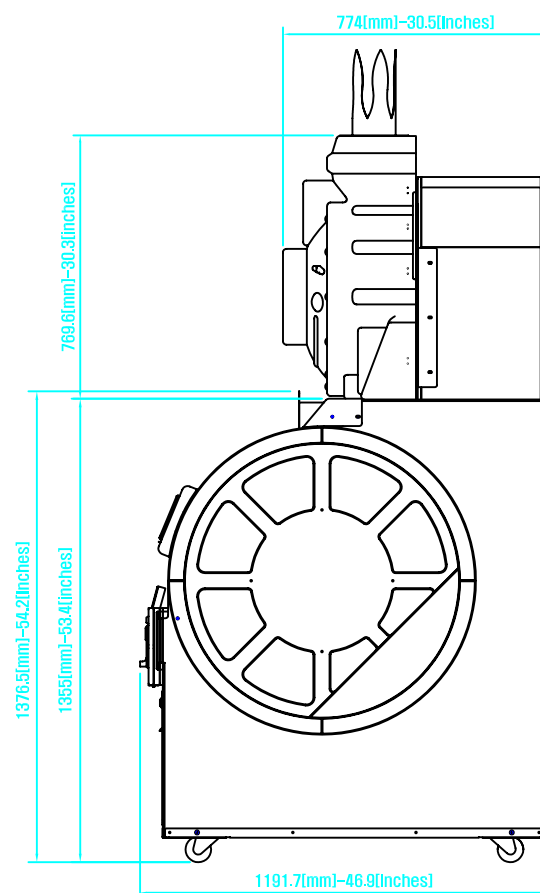
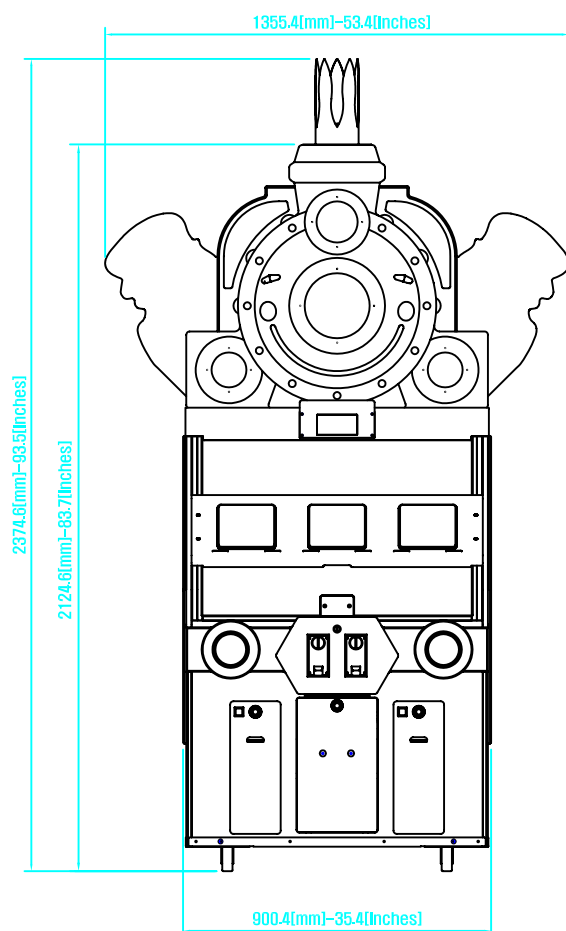
8-31.ASSEMBLING ALL ABOARD

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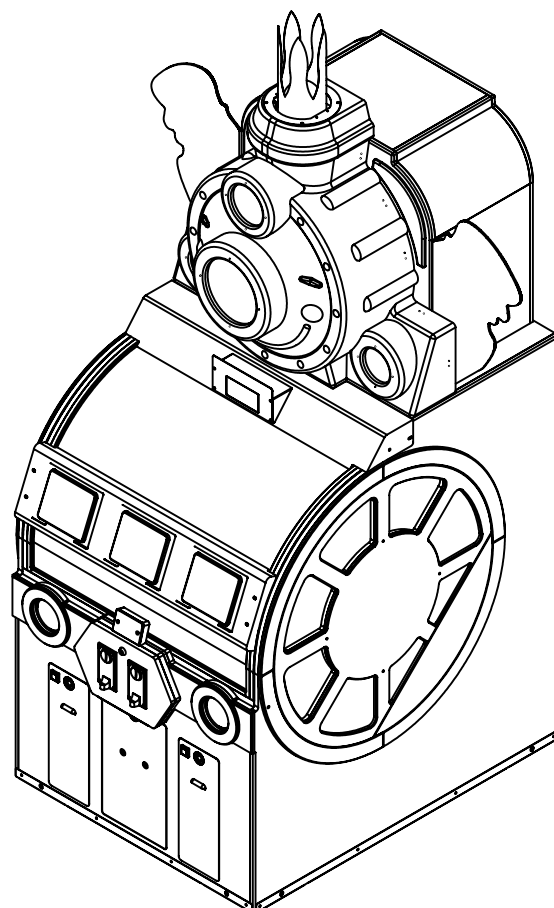
1. SPECIFICATION AND DIMENSIONS

1-1. DIMENSIONS



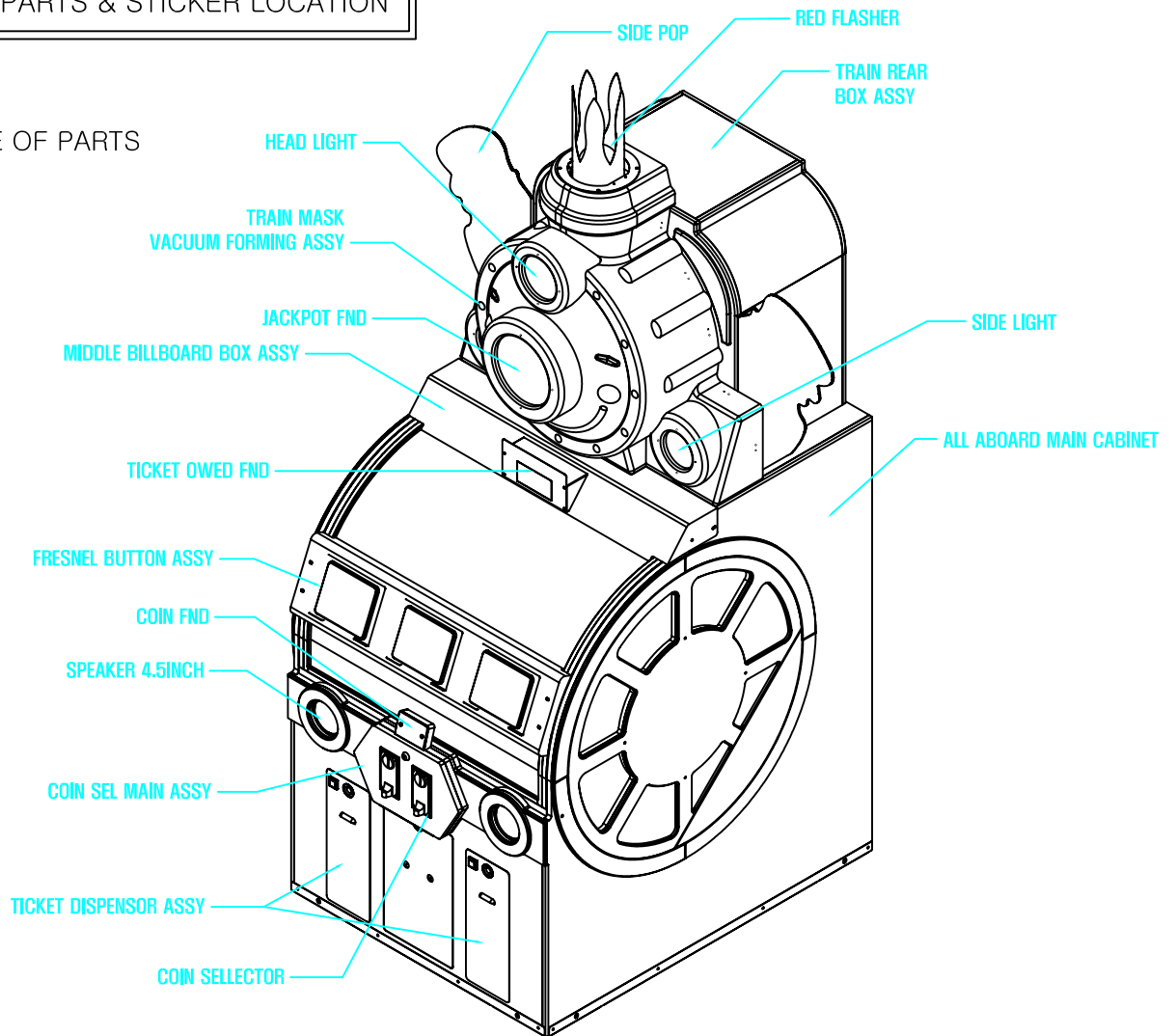
1-2. SPECIFICATION

| | |
|---------------------------|--------------|
| NOMINATED VOLTAGE RANGE | AC 120V/220V |
| NOMINATED FREQUENCY RANGE | 50Hz ~ 60Hz |
| POWER CONSUMPTION | 230W |
| WEIGHT | 222Kg(489Lb) |

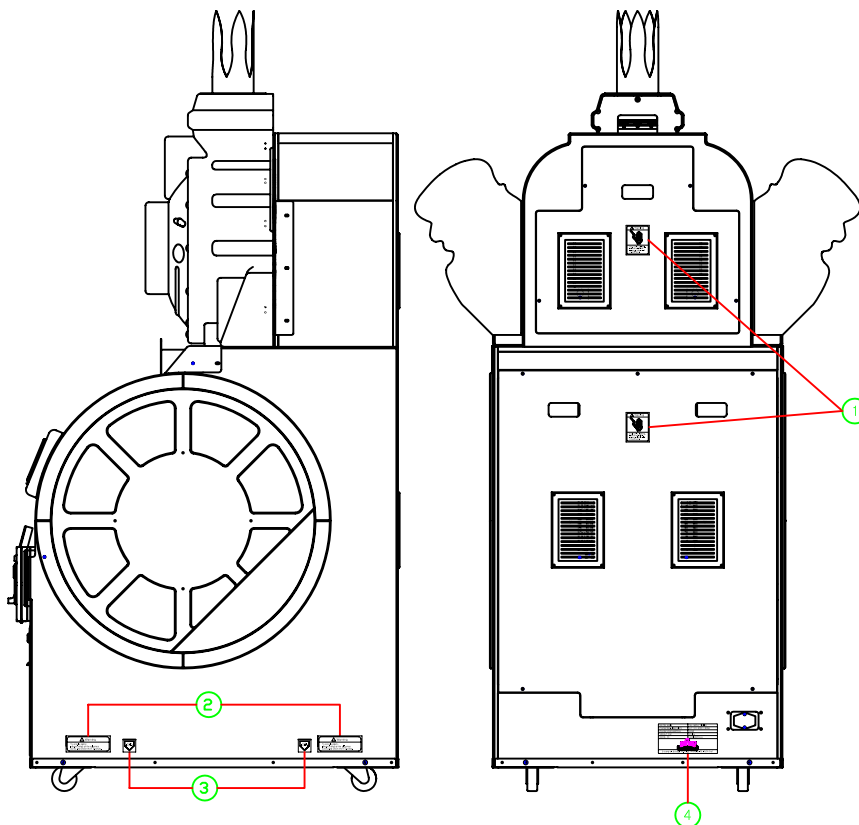


2. NAME OF PARTS & STICKER LOCATION

2-1. NAME OF PARTS



2-2. STICKER LOCATION



①

Warning

Except service personnel, please never open the product as there is a risk of electric shock.

②

Warning

To ensure safety, please install all the adjusters surely and check them carefully.

③

FORK position

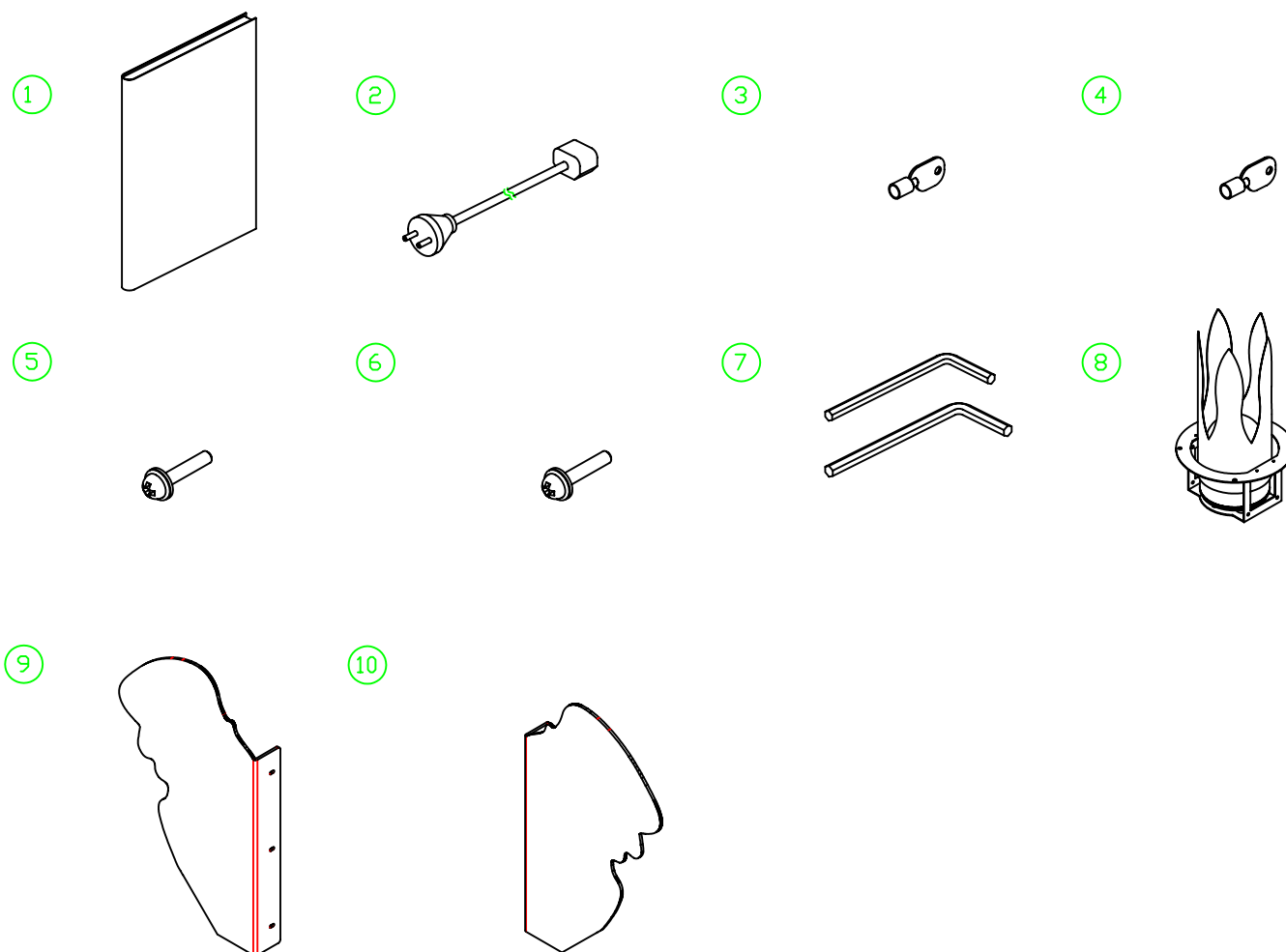
④

| | |
|--------------------|----------------------|
| MODEL NAME | ALL ABOARD |
| POWER REQUIREMENTS | AC 110V, 50Hz ~ 60Hz |
| POWER CONSUMPTION | 230W |
| WEIGHT (KG) | 222Kg |
| MODEL NO. | KAATM0000XXX |

Koyang

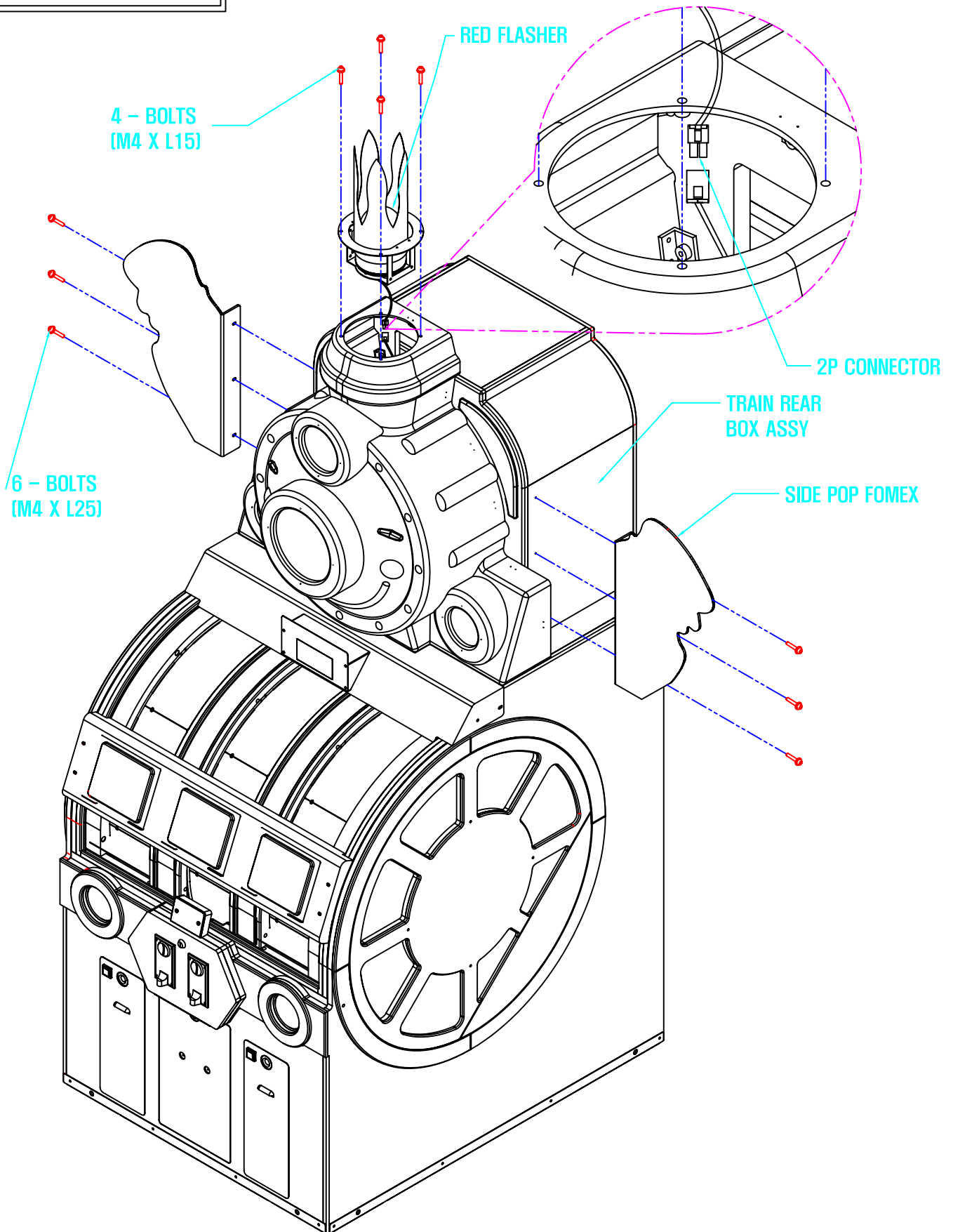
Koyang-si, Kyouggi-do, Korea Phone: 82-70-7507-2157

3. COMPONENTS



| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|---------------------------------------|-------------|----------|----------|
| 1 | MANUAL | MANUAL | 1 | - |
| 2 | AC POWER CORD | | 1 | - |
| 3 | FRONT DOOR, TOP DOOR, TICKET DOOR KEY | 7001 | 2 | - |
| 4 | MONEY BOX KEY | 6001 | 2 | - |
| 5 | BOLT | M4x15L | 4 | |
| 6 | BOLT | M4x25L | 6 | - |
| 7 | WRENCH | 3mm, 4mm | 1ea, 1ea | - |
| 8 | FIRE LIGHT ASSY | RED FLASHER | 1ea | - |
| 9 | SIDE POP L | | 1ea | - |
| 10 | SIDE POP R | | 1ea | - |

4-1. HOW TO ASSEMBLE



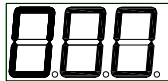
1. Connect the RED FLASHER(2P) Harness as shown above.
2. Assemble the RED FLASHER with enclosed bolts(M4 x 15L) to the TRAIN MASK VACUUM FORMING ASSY.
3. Assemble the SIDE POP FOMEX with enclosed bolts(M4 x 25L) to the TRAIN REAR BOX ASSY.

5. SETUP MODE, CLEAR MODE, ERROR NO

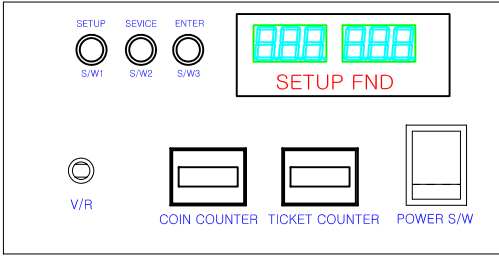
5-1. INITIAL STAGE OF SETUP

- PUSH SW1(SETUP) BUTTON TO ENTER INTO SETUP MODE.
- PUSH SW2(SERVICE) BUTTON TO ENTER INTO SETUP MODE LIST.
- PUSH SW1(SETUP) BUTTON TO ENTER INTO DATA-CHANGIND MODE.
- CHANGE DATA BY PUSHING SW3(ENTER) BUTTON.

* EXITING FROM SET-UP MODE.

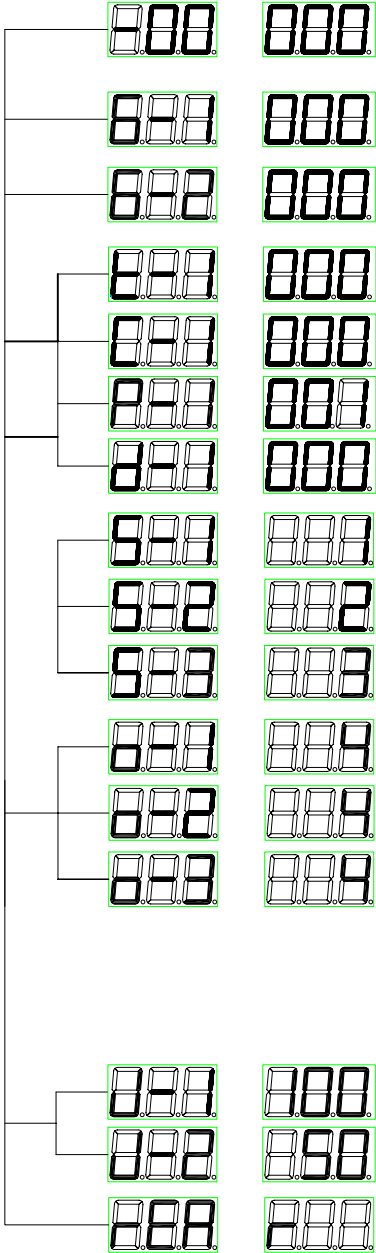


SETUP FND (SETTING VALUE)



CONTROL PANEL

* Setup Mode



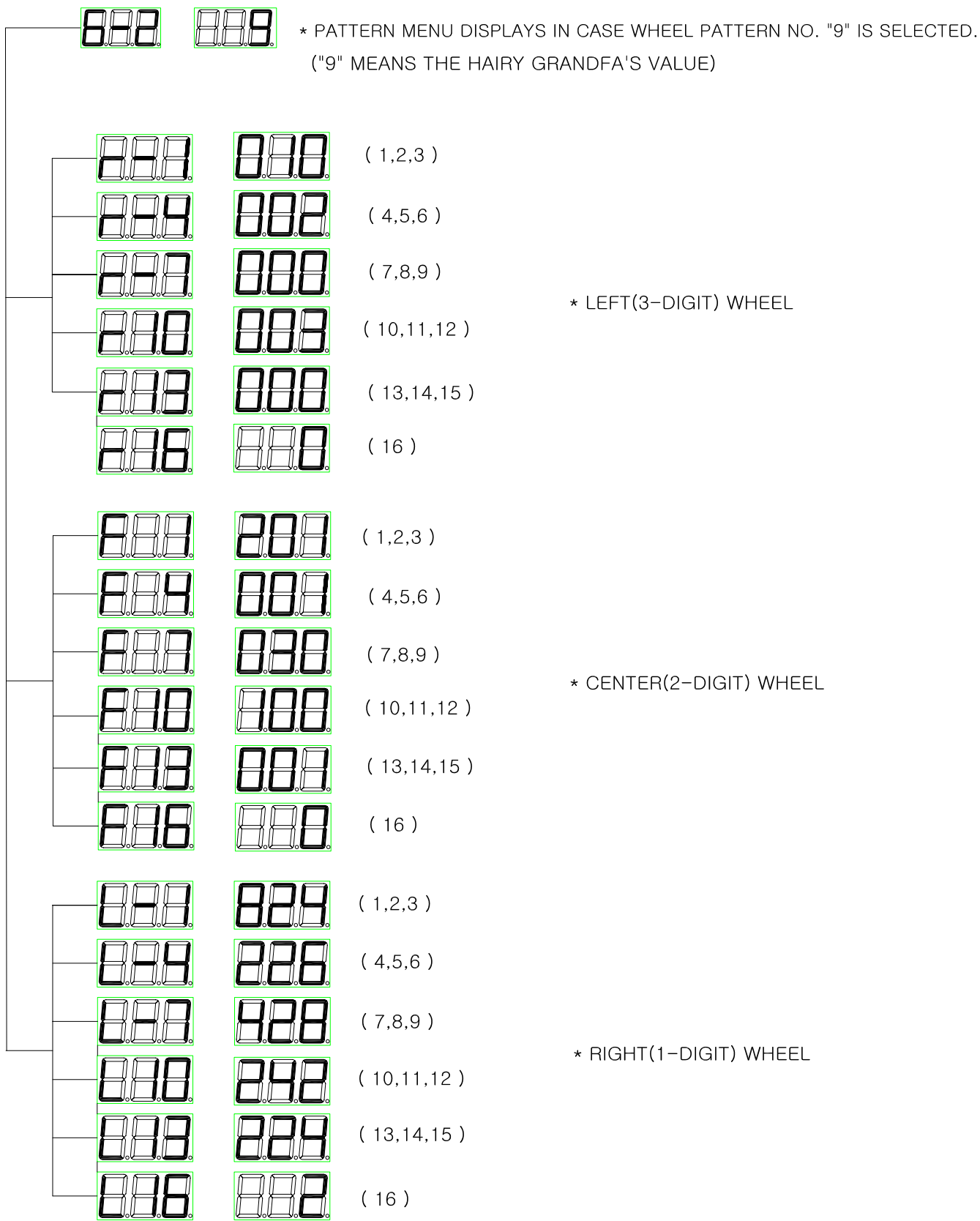
- * GAME MODE SELECT (0,1)--> * "0" DEFALT
- * WHEEL PATTERN NUMBER (0,9) "9" IS FOR DISPLAYING PATTERN MENU.
- * ALARM IN CASE TICKETS NOT DISPENSED ON/OFF (0,1)
- * Coin counter(0 ~ 9)
- * WHEEL ACCURACY.<0~5>
- * Demo sound on/off (0 ,1, 2) 하단 참조
- * LEFT(3-DIGIT) WHEEL MOTOR SPEED (10~90)
- * CENTER(2-DIGIT) WHEEL MOTOR SPEED (10~90)
- * RIGHT(1-DIGIT) WHEEL MOTOR SPEED (10~ 90)
- * THE HIGHER DIGIT ID, THE FASTER DIGIT IS.<
- * LEFT(3-DIGIT) WHEEL MOTOR offset (0~9) DEFALT 4
- * CENTER(2-DIGIT) WHEEL MOTOR offset (0~9) DEFALT 4
- * RIGHT(1-DIGIT) WHEEL MOTOR offset (0~9) DEFALT 4
- (OPERATER NEED TO SET THIS NO. TO MAKE
ROTATING WHEEL FIGURES ALIGNED IN THE
VERTICAL CENTER OF THE TRANSPARENT BUTTON.)
- * THE HIGHER NO. IS, THE LOWER THE VERTICAL ALIGNMENT IS. <
- * JACKPOT VALUE (0~2,000 SETUP)
- ~~* MIN. JACKPOT VALUE (0~1,000 SETUP)~~
- * RETURN TO GAME MODE AFTER INSTALLING SETUP MODE

* Demo sound on/off (0 ,1, 2)←

- * NO 0 --> DEMO SOUND NO SOUND
- * NO 1 --> DEMO SOUND ONE TIME PER FIVE MINUTES
- * NO 2 --> DEMO SOUND CONTINUOUS SOUND

* THE INITIAL & MAX. VALUE FOR JACKPOT IS 3-DIGIT.
(EX. IF "020" IS SET ON FND, 200 TICKETS IS DISPENSED.)

★ SETUP MODE DISPLAY



5-2. INITIAL STAGE OF CLEAR MODE

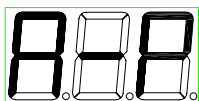
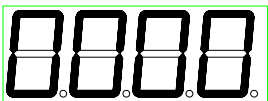
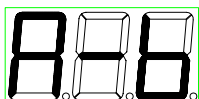
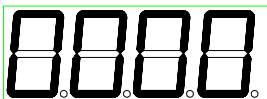
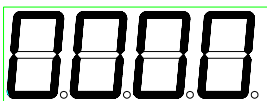
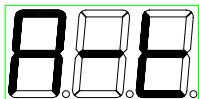
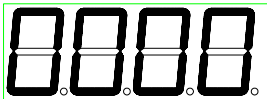
- ENTER INTO CLEAR MODE BY TURNING ON THE MACHINE WITH SW3(ENTER) BUTTON PUSHED.
- CHANGE THE SETTING VALUE OF CLEAR MODE BY PUSHING SW2(SEVICE) BUTTON.
- CLEAR THE DATA BY PUSHING SW3(ENTER) BUTTON.

* RETURN TO GAME STATUS BY PUSHING SW1(SETUP) BUTTON.

* Clear Mode

JACKPOT Fnd

OWED Fnd



—— *THE NO. OF DISPENSED TICKETS IS INITIALIZED.
; Push SW3 button to clear the number

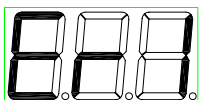
—— *THE NO. OF ACCUMULATED COINS ON CREDIT
FND IS INITIALIZED.
; Push SW3 button to finish the clear mode

—— * INITIAL VALE OF PROBABILITY
; Push SW3 button to finish the clear mode

—— * FACTORY-SET VALUE

5-3. Error mode

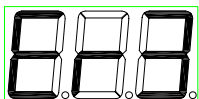
OWEND FND



—— RIGHT(1-DIGIT) ER1 DISPLAYS WHEN RIGHT(1-DIGIT)WHEEL
MOTOR DOESN'T WORK OR SENSOR HAS PROBLEMS.



—— CENTER(2-DIGIT)ER2 DISPLAYS WHEN CENTER(2-DIGIT)WHEEL
MOTOR DOESN'T WORK OR SENSOR HAS PROBLEM.



—— LEFT(3-DIGIT) ER3 DISPLAYS WHEN LEFT(3-DIGIT)WHEEL
MOTOR DOESN'T WORK OR SENSOR HAS PROBLEMS.



—— ER4 DISPLAYS WHEN TICKET MOTOR DOESN'T WORK OR
SENSOR HAS PROBLEMS OR NO TICKET.

6. TEST MODE

6-1. INITIAL STAGE OF TEST MODE

- ENTER INTO "TEST MODE" BY PUSHING SW3(ENTER) BUTTON FOR ABOUT 3 SECONDS.
- CHANGE MODE BY PUSHING SW2(SEVICE).
- CHANGE SETTING VALUE BY PUSHING SW1(SETUP).

OWED FND



JACKPOT FND

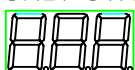


INITIAL STATUS OF WHEEL TEST MODE

| NO. | SETUP FND | REFERENCE | NO. | SETUP FND | REFERENCE |
|-----|-----------|---------------------------------|-----|-----------|-----------------------------|
| 1 | | LEFT(3-DIGIT) WHEEL MOTOR OFF | 9 | | LED & FND TEST OFF |
| 2 | | LEFT(3-DIGIT) WHEEL MOTOR ON | 10 | | LED & FND TEST AUTO ON |
| 3 | | CENTER(2-DIGIT) WHEEL MOTOR OFF | 11 | | LEFT TICKET MOTOR TEST OFF |
| 4 | | CENTER(2-DIGIT) WHEEL MOTOR ON | 12 | | LEFT TICKET MOTOR TEST ON |
| 5 | | RIGHT(1-DIGIT) WHEEL MOTOR OFF | 13 | | RIGHT TICKET MOTOR TEST OFF |
| 6 | | RIGHT(1-DIGIT) WHEEL MOTOR ON | 14 | | RIGHT TICKET MOTOR TEST ON |
| 7 | | TICKET COUNTER ON | 15 | | SOUND TEST OFF |
| 8 | | COIN COUNTER ON | 16 | | SOUND TEST ON |

YOU CAN HEAR SOUND WHEN SW2(SERVICE) IS PUSHED.

TICKET OWED

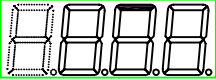
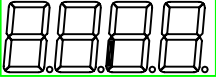
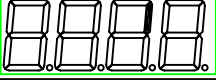














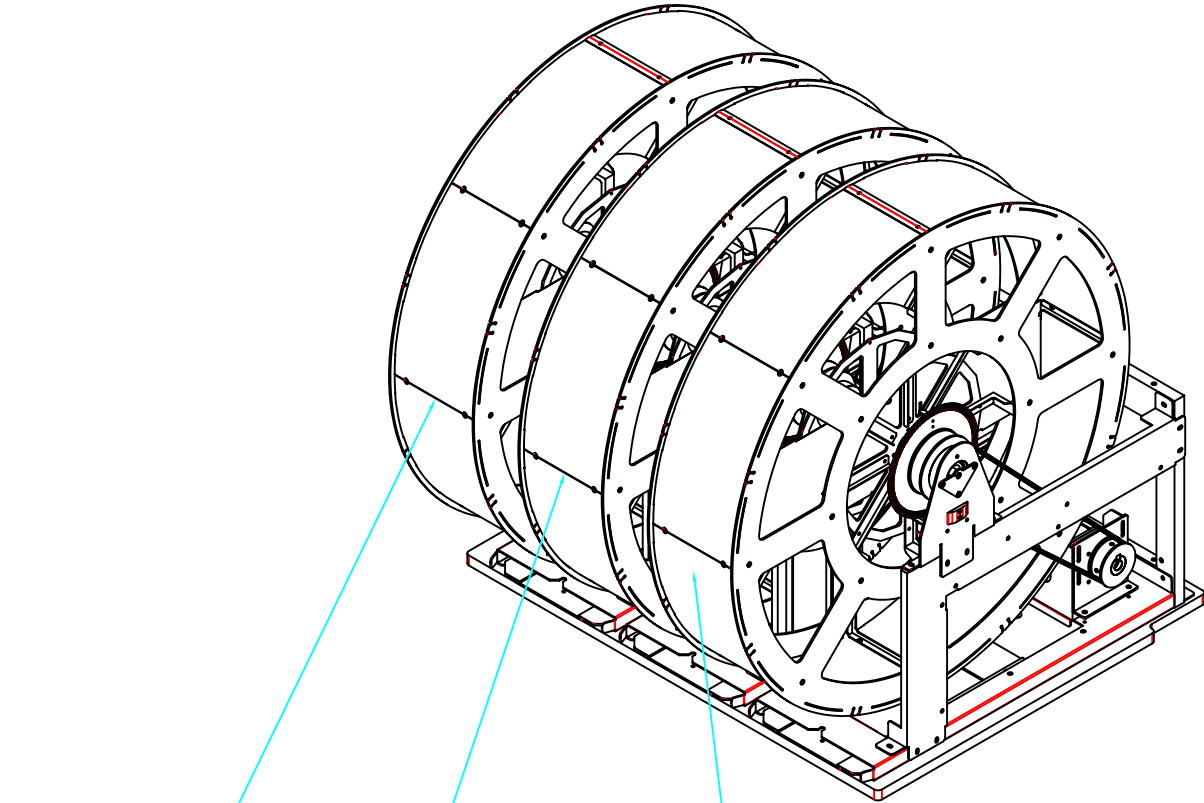
TICKET OWED : DISPLAY FIGURES UNDER WHEEL TEST MODE 1~3 (POINT FIGURES).

- (1-DIGIT) RIGHT WHEEL NO. DISPLAY
- (2-DIGIT) CENTER WHEEL NO. DISPLAY
- (3-DIGIT) LEFT WHEEL NO. DISPLAY

6-2. SENSOR AND SWITCH TEST

- JACKPOT FND DISPLAYS FIGURES AS FOLLOWS WHEN SENSOR/SWICH IS SENSED.

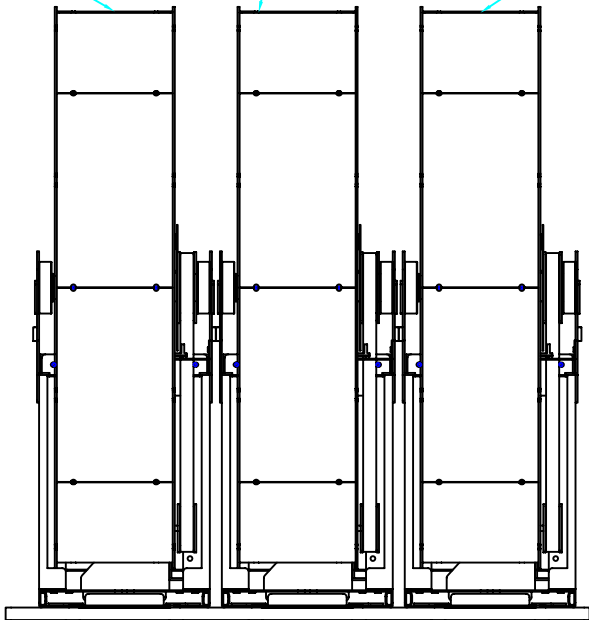
| NO. | 내용 | JACKPOT FND |
|-----|---|--|
| 1 | ticket dispenser sensor 1 Sensing (LEFT ticket dispenser) |  |
| 2 | ticket empty switch 1 Sensing (LEFT ticket dispenser) |  |
| 3 | ticket dispenser sensor 2 Sensing (RIGHT ticket dispenser) |  |
| 4 | ticket empty switch 2 Sensing (RIGHT ticket dispenser) |  |
| 5 | LEFT(3-digit) wheel encoder sensor Sensing |  |
| 6 | CENTER(2-digit) wheel encoder sensor Sensing |  |
| 7 | RIGHT(1-digit) wheel encoder sensor Sensing |  |
| 8 | LEFT(3-digit) wheel position sensor Sensing |  |
| 9 | CENTER(2-digit) wheel position sensor Sensing |  |
| 10 | RIGHT(1-digit) wheel position sensor Sensing |  |
| 11 | coin 1 swich Sensing |  |
| 12 | coin 2 swich Sensing |  |
| 13 | RIGHT(1-digit) wheel button swich Sensing |  |
| 14 | CENTER(2-digit) wheel button swich Sensing |  |
| 15 | LEFT(1-digit) wheel button swich Sensing |  |



LEFT WHEEL ASSY
(3 DIGIT)

CENTER WHEEL ASSY
(2 DIGIT)

RIGHT WHEEL ASSY
(1 DIGIT)

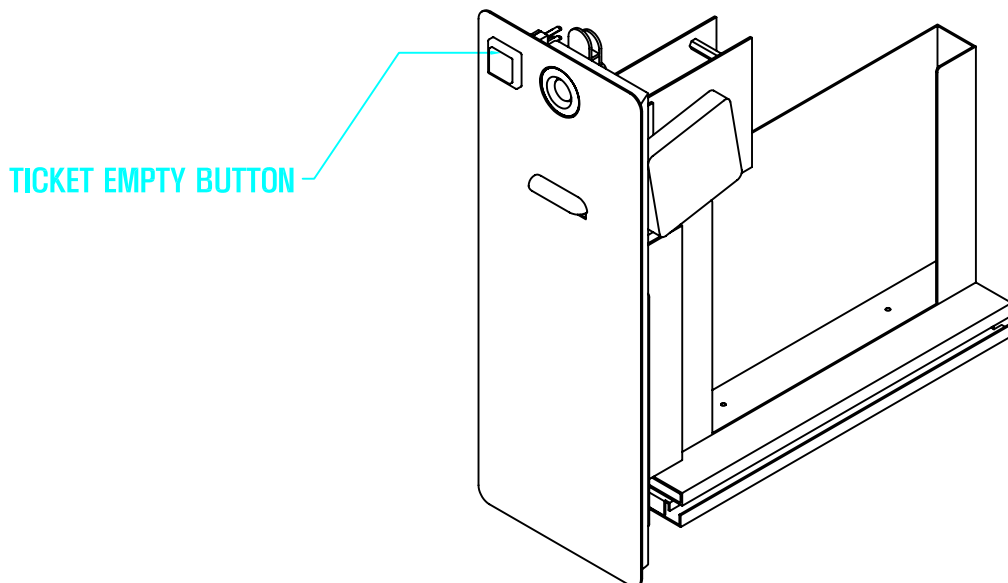
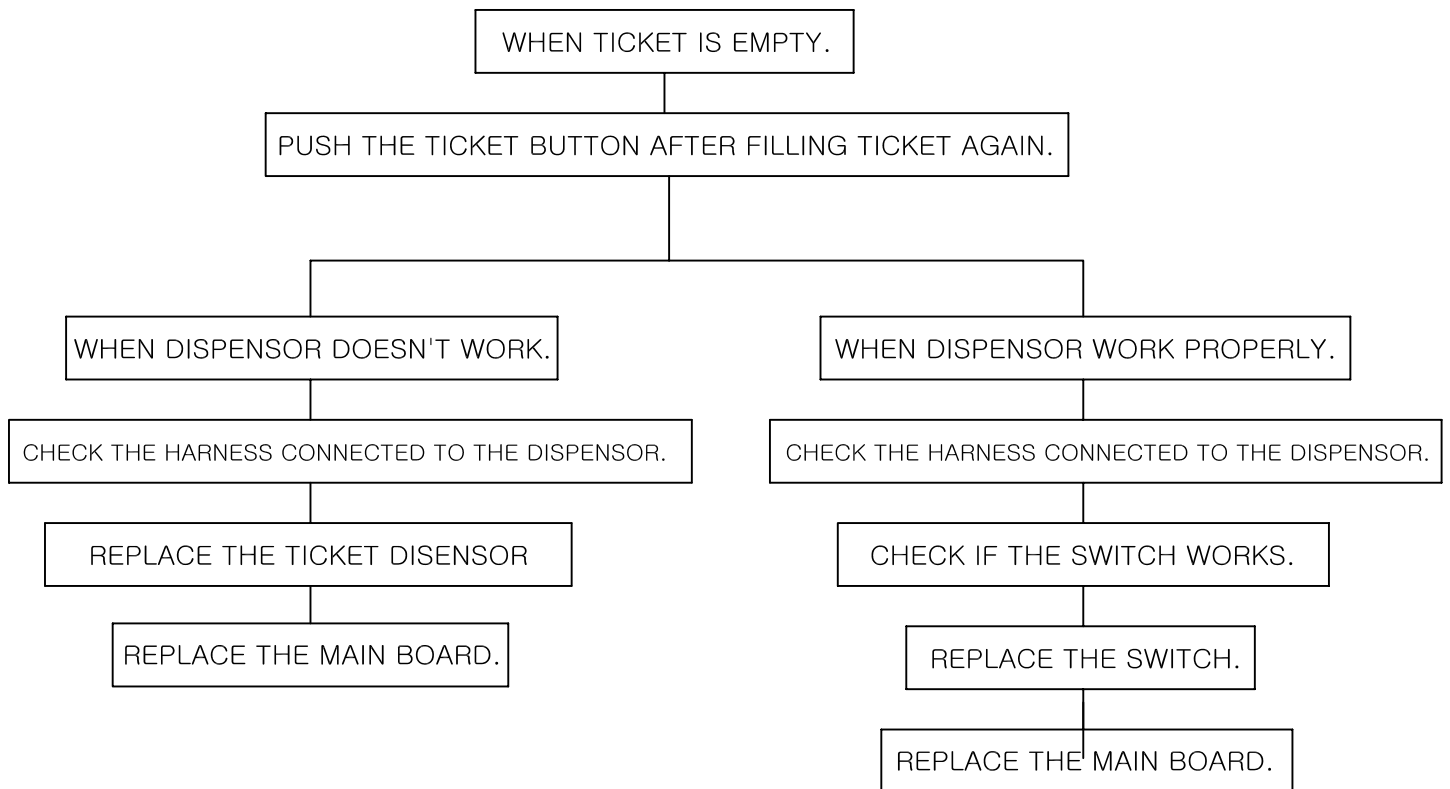


7. TROUBLESHOOTING

7-1. Error Code "4"

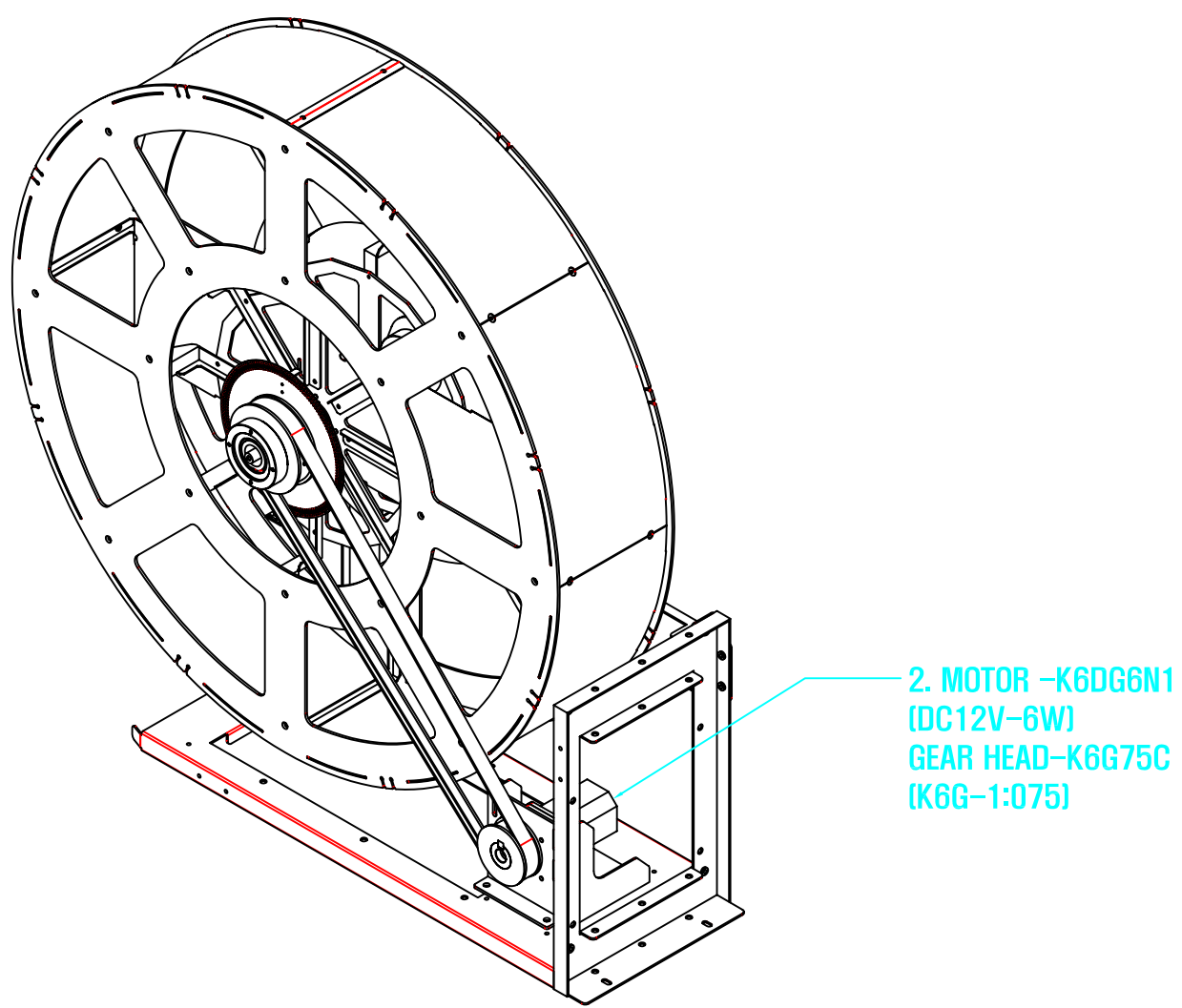
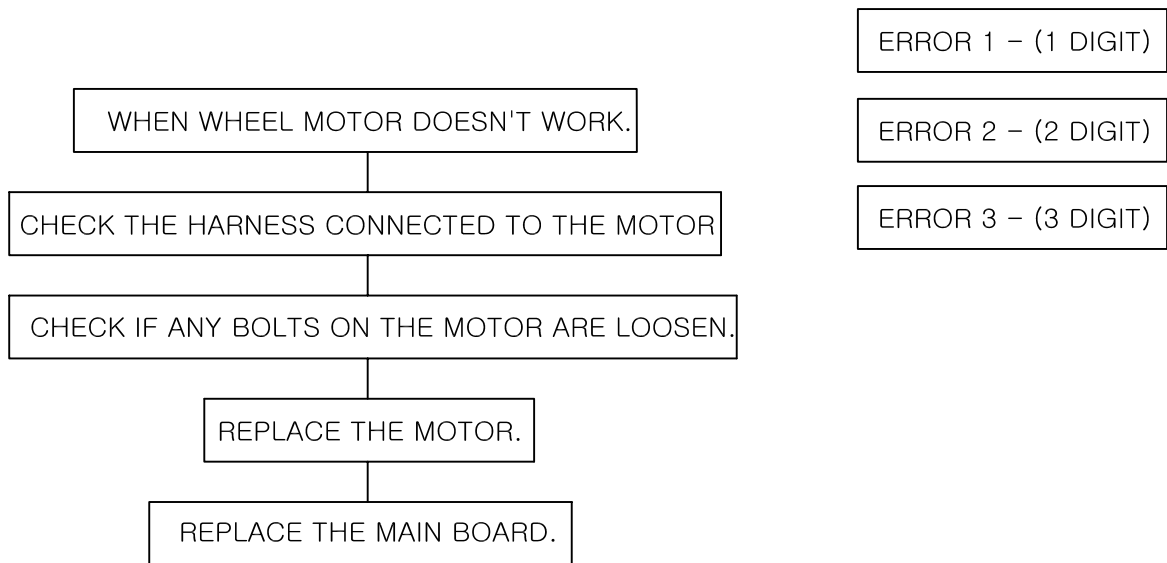
#WHEN TICKET DISPENSOR DOESN'T WORK OR TICKET IS EMPTY.

- TEST ACCORDING TO TEST MODE 7-1,8-1
- CONFIRM THE STATUS OF MOTOR AFTER TESTING.



Reference A: TICKET DISPENSOR ASSY

7-2. <Error code "1,2,3">
#WHEN WHEEL MOTOR OR ENCODER SENSOR DOESN'T WORK, "ERROR CODE 1,2,3" IS SHOWING..
-TEST ACCORDING TO TEST MODE 1-1,2-1,3-1



Reference B: WHEEL ASSY

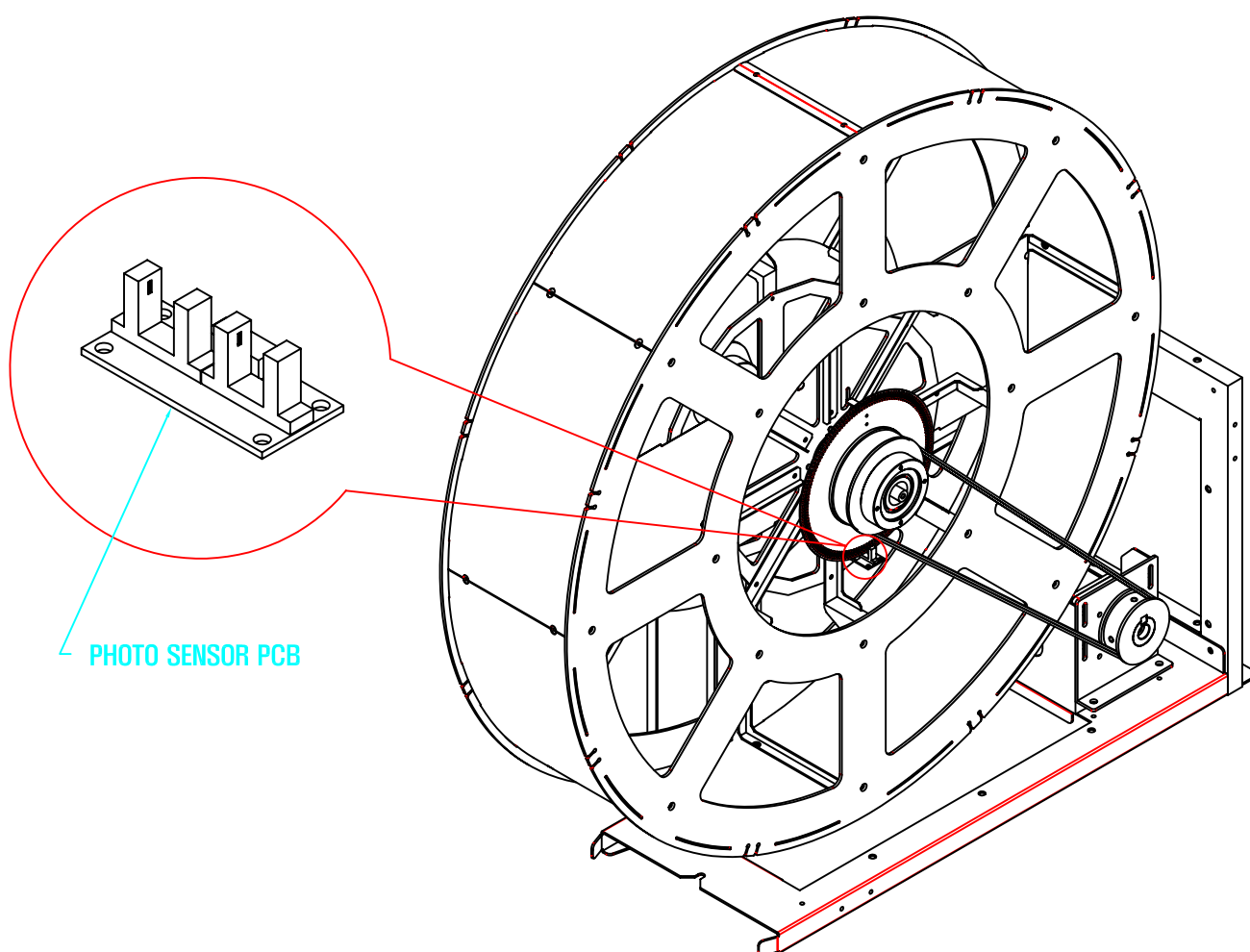
WHEN WHEEL MOTOR WORKS PROPERLY.

CHECK IF PHOTO SENSOR PCB WORKS PROPERLY.

REPLACE THE PHOTO SENSOR PCB.

REPLACE THE MAIN BOARD.

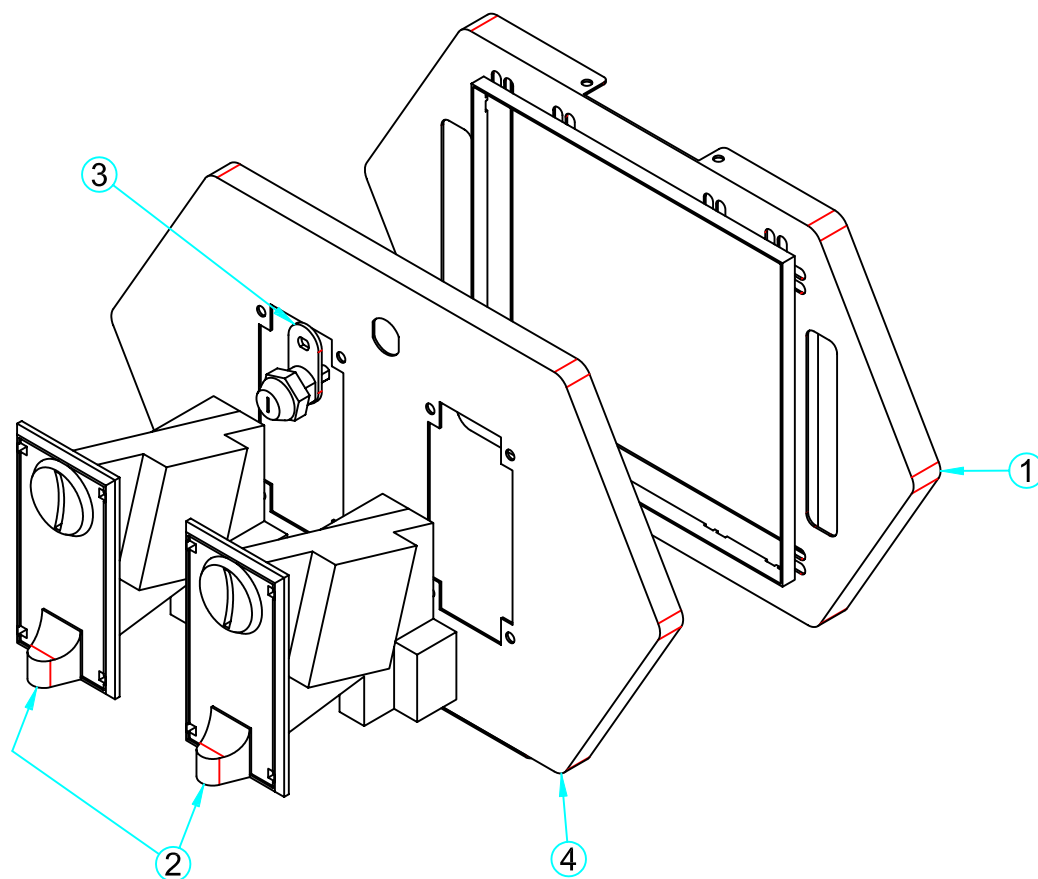
→ CHECK ACCORDING TO NO.1-1,2-1,3-1 IN TEST MODE



Reference C: WHEEL ASSY

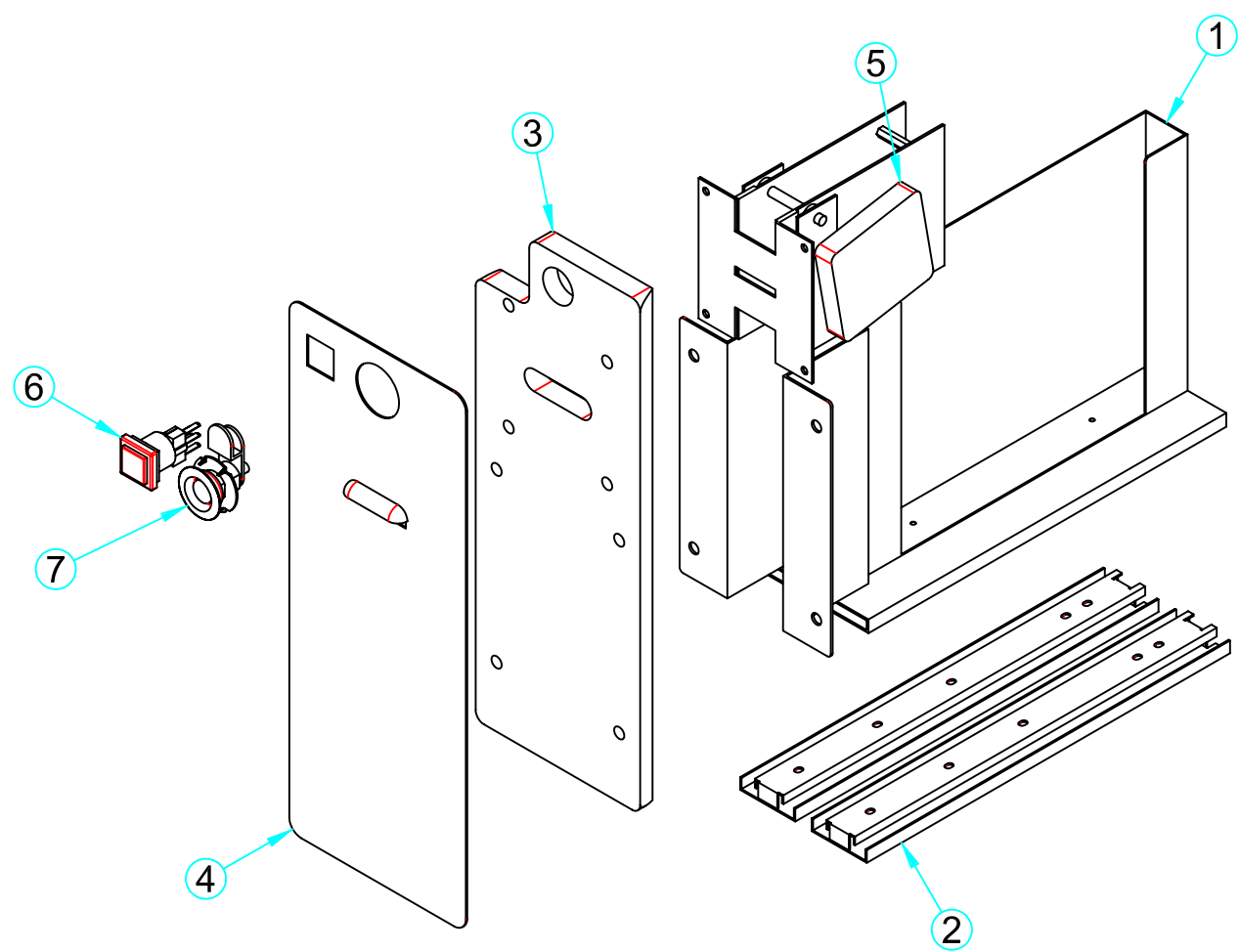
8. ASSEMBLING

8-1.ASSEMBLING COIN SEL MAIN ASSY



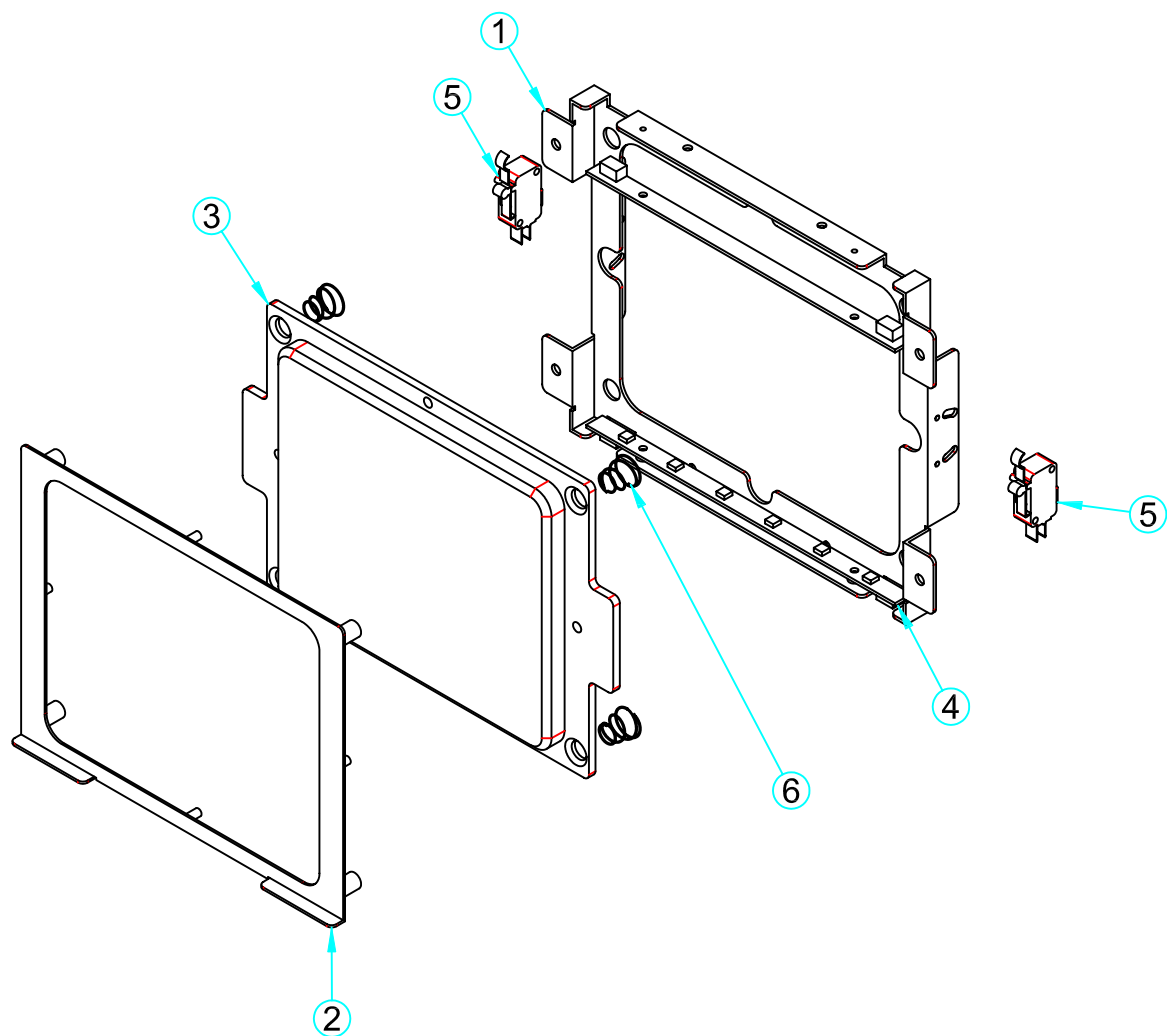
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|----------------------------|--------|----------|-------------|
| 1 | COIN SEL MAIN BACK | - | 1 | MALA0MEP048 |
| 2 | COIN SELECTOR | SG-628 | 2 | MZZZ0COS013 |
| 3 | KEY ASS'Y | 7001 | 1 | MZZZ0KEY032 |
| 4 | COIN SEL MAIN SUPPORT ASSY | - | 1 | MALA0MEP005 |

8-2.ASSEMBLING TICKET DISPENSOR ASSY



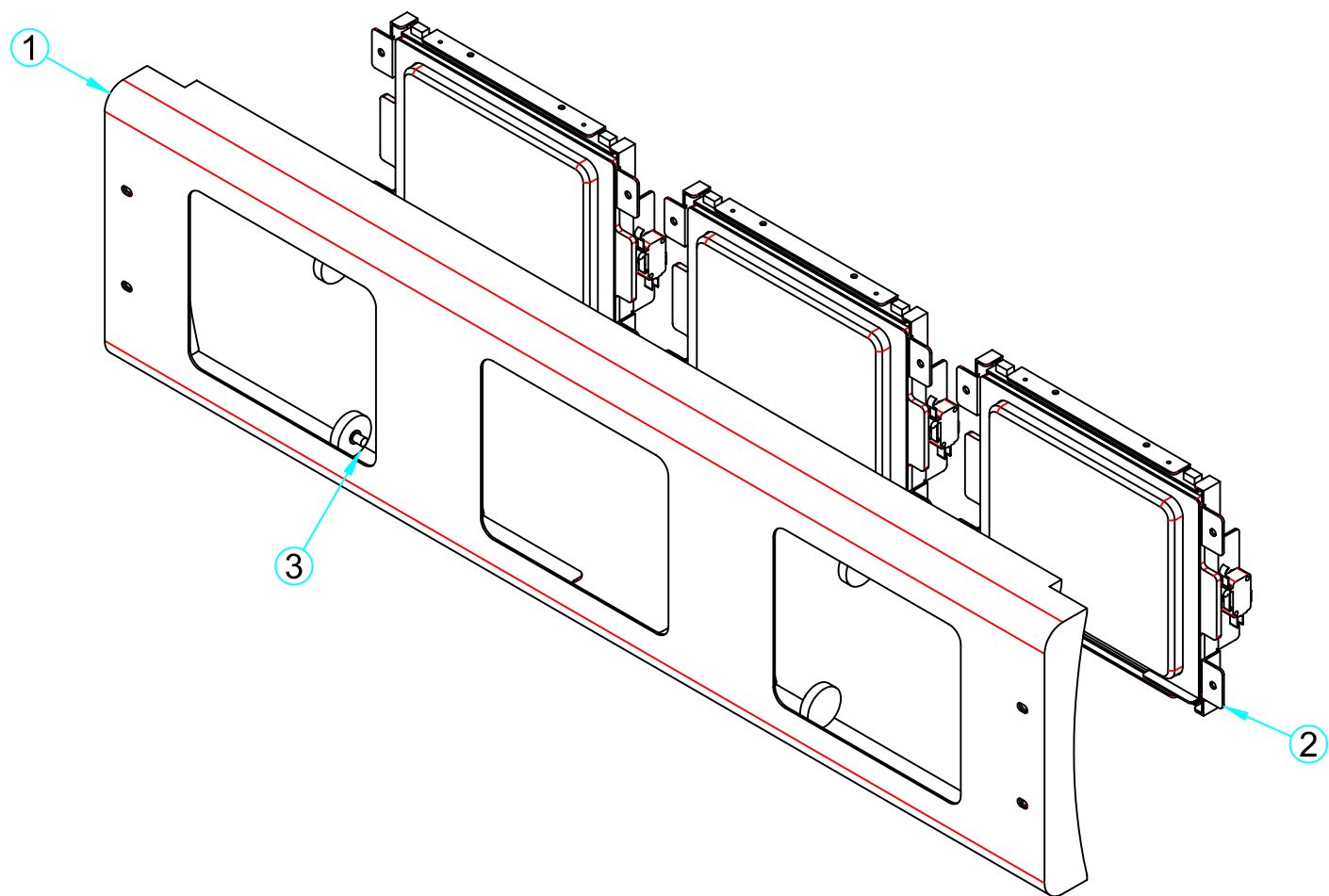
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|--------------------|-----------------|----------|-------------|
| 1 | TICKET BOX ASSY | - | 1 | MALA0MEP007 |
| 2 | LINEAR(GUIDE RAIL) | 300mm | 2 | - |
| 3 | ticket door | - | 1 | MALA0WOO008 |
| 4 | ticket door cover | - | 1 | MALA0MEP035 |
| 5 | TICKET DISPENSOR | CLECO | 1 | MZZZ0TID003 |
| 6 | BUTTON | AM1PB-26SH-R12D | 1 | MHA20000007 |
| 7 | KEY ASSY | 7001 | 1 | MZZZ0KEY032 |

8-3.ASSEMBLING BUTTON LIGHT BACK COVER ASSY



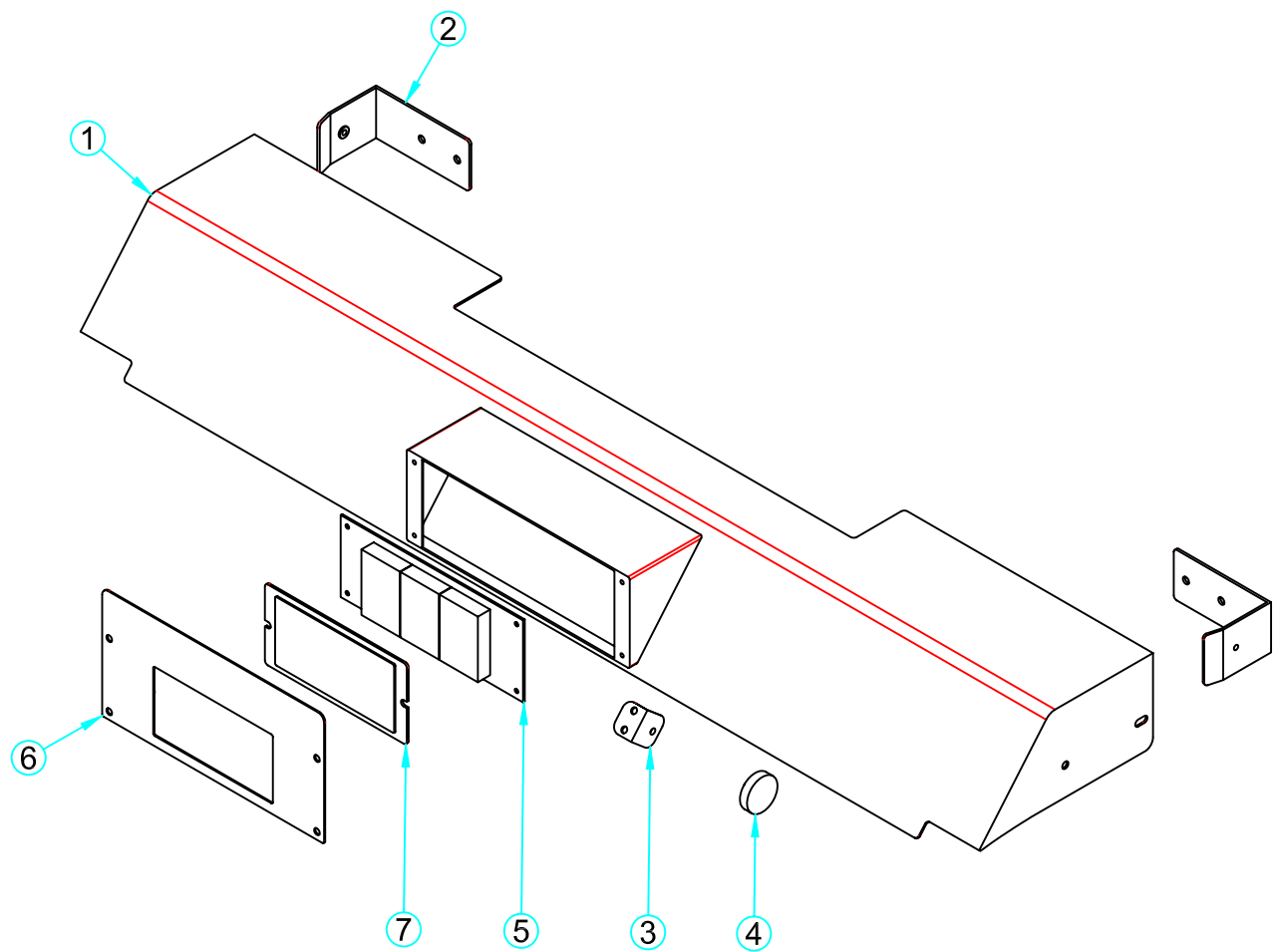
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-------------------------|-------------|----------|-------------|
| 1 | BUTTON LIGHT COVER | - | 1 | MALA0MEP011 |
| 2 | FRESNEL BUTTON CAP BRKT | - | 1 | MALA0MEP010 |
| 3 | FRESNEL BUTTON | - | 1 | MALA0ACR014 |
| 4 | BUTTON LED PCB ASS'Y | - | 2 | AALA0PCB008 |
| 5 | MICRO SWITCH | GSM-V1643A2 | 2 | MELE0MIC004 |
| 6 | BUTTON SPRING | - | 2-4 | MALA0SPR001 |

8-4.ASSEMBLING FRESNEL BUTTON ASSY



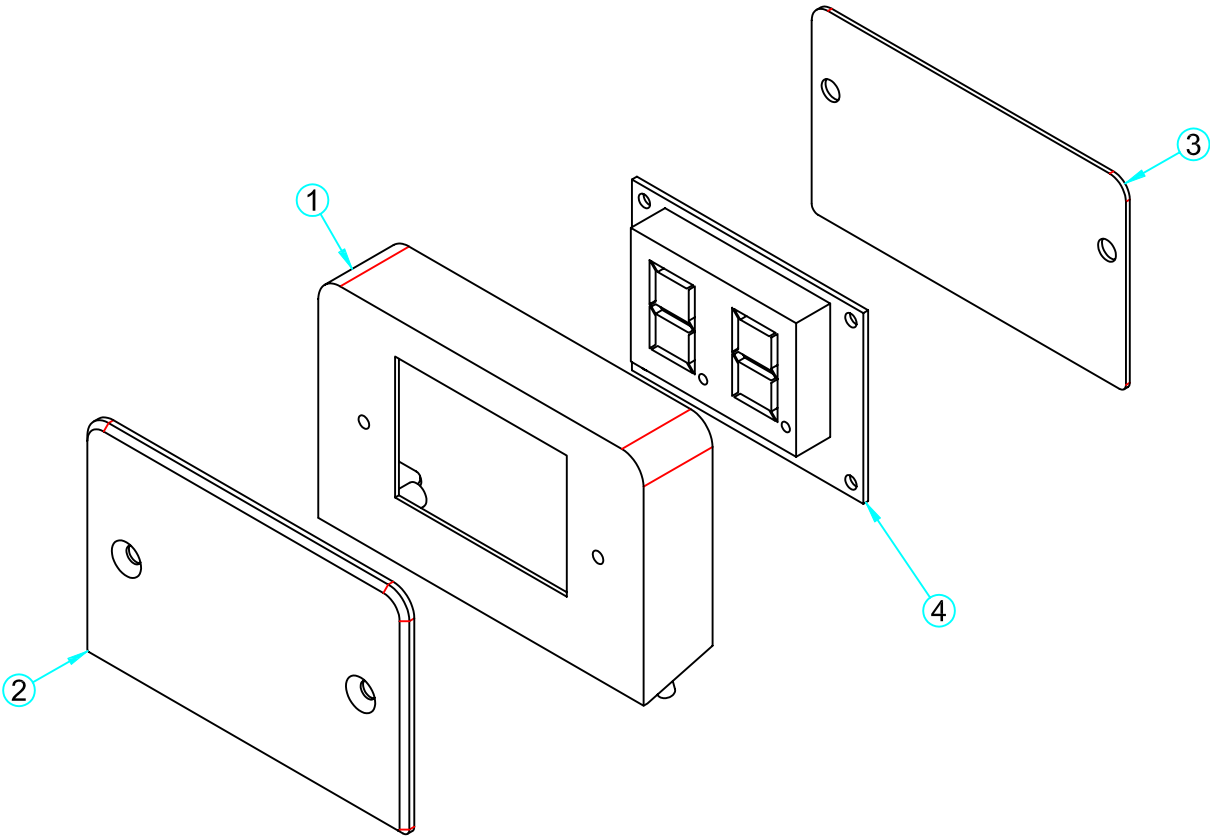
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|------------------------------|---------------|----------|--------------|
| 1 | FRESNEL BUTTON BOTTOM | - | 1 | MALA0MEP009 |
| 2 | BUTTON LIGHT BACK COVER ASSY | - | 3 | 8-3(PAGE 22) |
| 3 | BEARING | PAT42167RW-30 | 4 | MALA0BEA001 |

8-5.ASSEMBLING MIDDLE BILLBOARD BOX ASSY



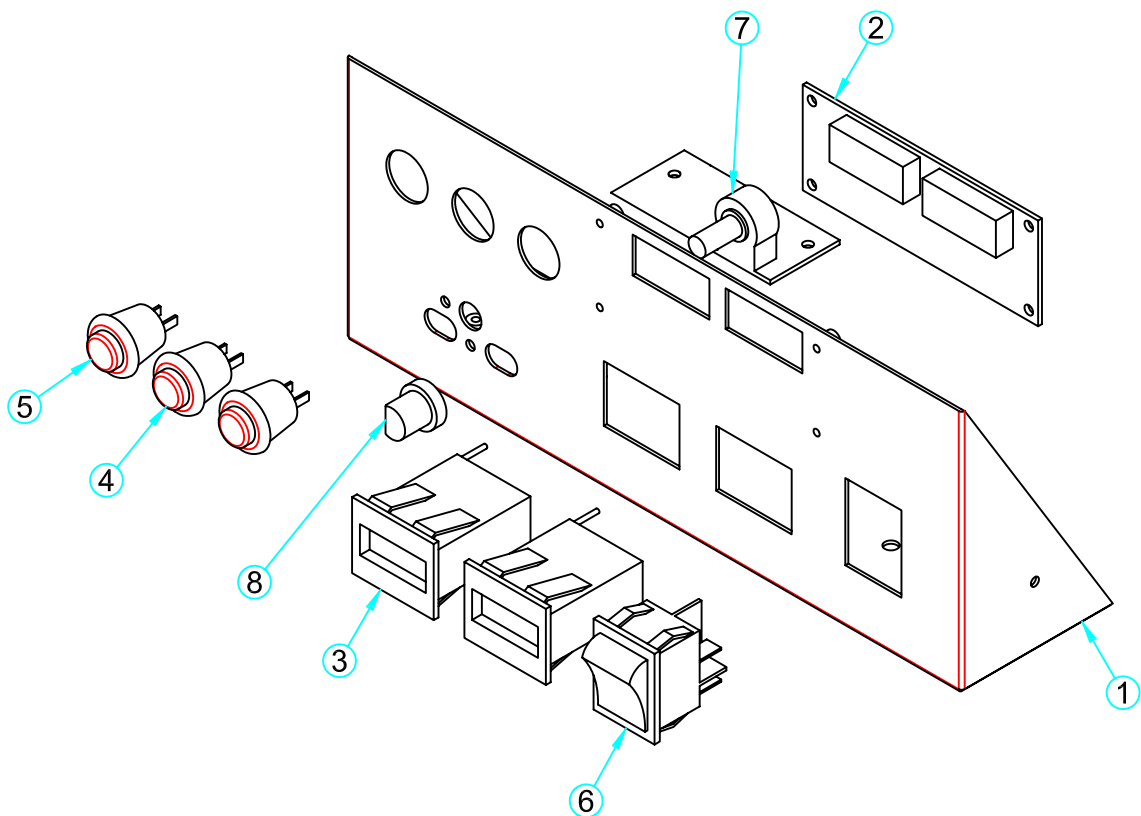
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|----------------------------|---------------|----------|-------------|
| 1 | MIDDLE BILLBOARD BOX | - | 1 | MALA0MEP050 |
| 2 | MIDDLE BILLBOARD SIDE BRKT | - | 2 | MALA0MEP052 |
| 3 | MIDDLE BILLBOARD DR30 BRKT | - | 2 | MALA0MEP051 |
| 4 | BEARING | PAT42167RW-30 | 2 | MALA0BEA001 |
| 5 | TICKETS OWED FND PCB ASSY | - | 1 | AALA0PCB003 |
| 6 | 3 TICKETS OWED FND PLATE | - | 1 | MALA0MEP044 |
| 7 | 3 TICKETS OWED FND ACRYL | - | 1 | MALA0ACR017 |

8-6.ASSEMBLING COIN FND ASSY



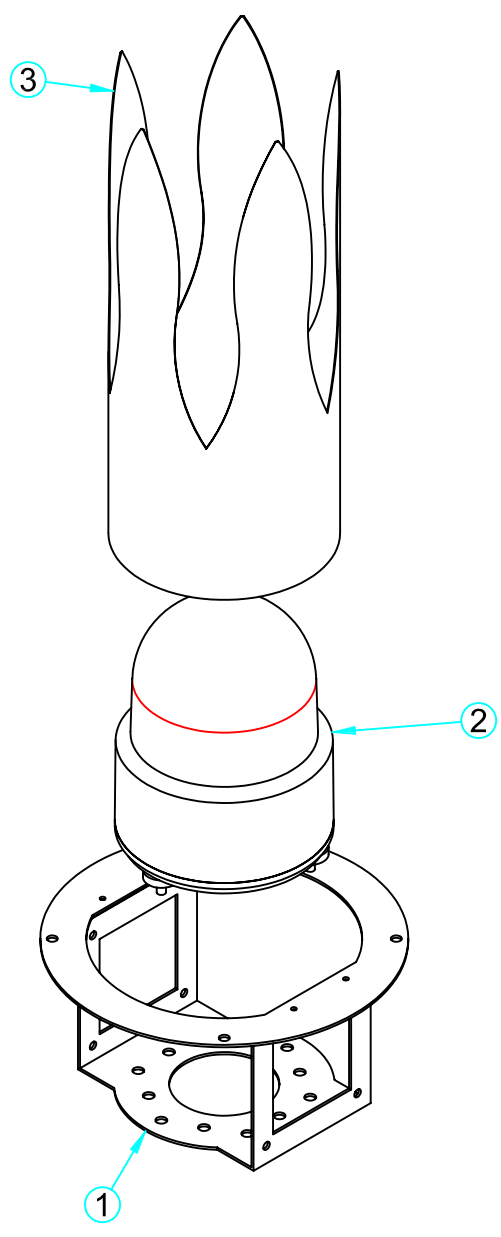
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|----------------------|-------|----------|-------------|
| 1 | COIN FND BRKT A | - | 1 | MALA0MEP046 |
| 2 | COIN FND ACRYL | - | 1 | MALA0ACR015 |
| 3 | COIN FND BRKT B | - | 1 | MALA0MEP047 |
| 4 | CREDIT FND PCB ASS'Y | - | 1 | AALA0PCB009 |

8-7.ASSEMBLING POWER SWITCH SETUP ASSY



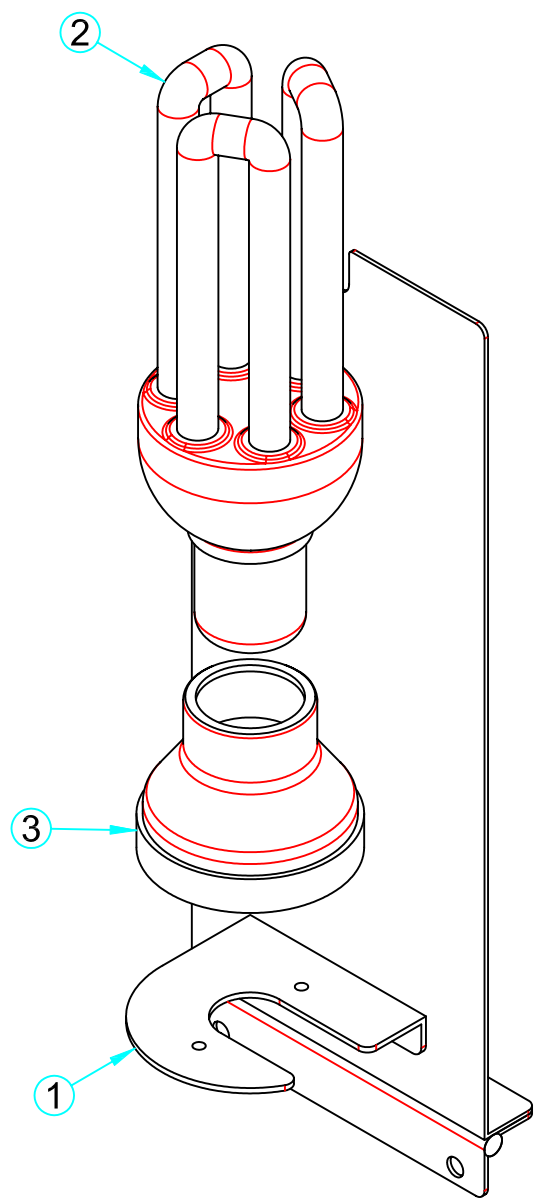
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-------------------------|-----------------|----------|-------------|
| 1 | AC POWER SWITCH BRACKET | - | 1 | MALA0MEP004 |
| 2 | SETUP FND PCB ASSY | - | 1 | AALA0PCB004 |
| 3 | COUNTER | AMMC-712(7D12V) | 2 | MZZZ0COU002 |
| 4 | PUSH BUTTON SWITCH-W | 412W | 2 | MELE0PUS002 |
| 5 | PUSH BUTTON SWITCH-R | 412R | 1 | MELE0PUS001 |
| 6 | ROCKER SWITCH | T-125 4P | 1 | MELE0SWI004 |
| 7 | VR PCB ASSY 10K | - | 1 | AMUH0PCB003 |
| 8 | VOLUMN KNOB | - | 2 | MELE0VOL006 |

8-8.ASSEMBLING FIRE LIGHT ASSY



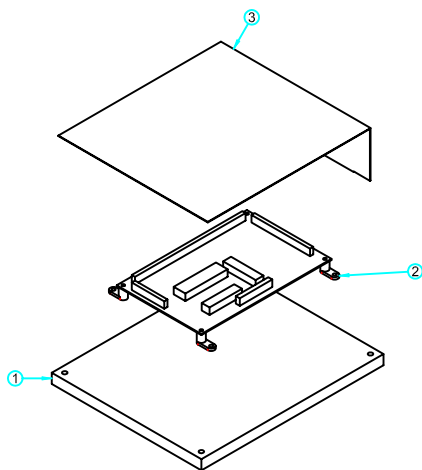
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-----------------------|---------------------|----------|-------------|
| 1 | FIRE LIGHT TOP COVER | - | 1 | MALA0MEP039 |
| 2 | RED FLASHER 125mm RED | Q-LIGHT 125R DC 12V | 1 | MALA0000001 |
| 3 | FIRE SHEET | - | 1 | MALA0SHE015 |

8-9.ASSEMBLING 3 WAVES LAMP



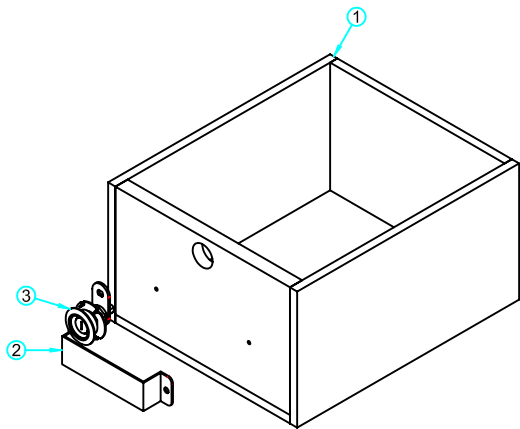
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|---------------------|-------------------|----------|-------------|
| 1 | MASK LAMP WELD ASSY | - | 1 | MALA0MEP006 |
| 2 | LAMP | 3 WAVE (110V 20W) | 1 | MELE0LAM005 |
| 3 | AC RECEPTACLE | - | 1 | MELE0ARE002 |

8-10.ASSEMBLING MAIN PCB PW ASSY



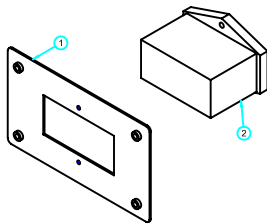
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|--------------------|-------|----------|-------------|
| 1 | MAIN PCB MDF PANEL | - | 1 | MALA0WOO009 |
| 2 | MAIN PCB ASS'Y | - | 1 | AALA0PCB001 |
| 3 | MAIN PCB PET COVER | - | 1 | MALA0ACR012 |

8-11.ASSEMBLING COIN BOX ASSY



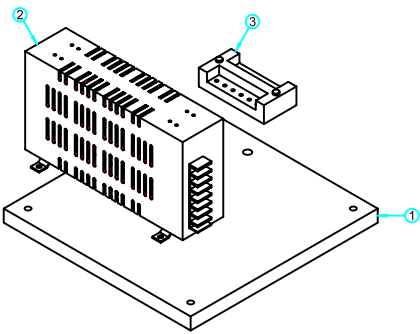
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-----------------|-------|----------|-------------|
| 1 | COIN BOX | - | 1 | MALA0WOO007 |
| 2 | COIN BOX HANDLE | - | 1 | MALA0MEP026 |
| 3 | KEY ASS'Y | 6001 | 1 | MZZZ0KEY013 |

8-12.ASSEMBLING AC INPUT BRACKET



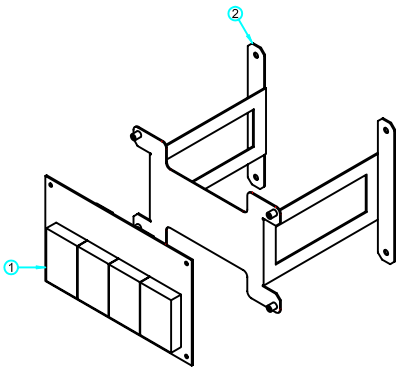
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|---------------|------------|----------|-------------|
| 1 | AC SOKET BRKT | - | 1 | MALA0MEP025 |
| 2 | NOISE FILTER | IP-0642-H2 | 1 | MELE0NOI002 |

8-13.ASSEMBLING POWER MDF PANNEL



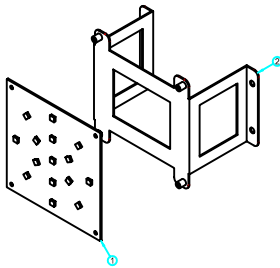
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-----------------------|----------------|----------|-------------|
| 1 | POWER MDF PANNEL | - | 1 | MALA0WOO010 |
| 2 | POWER-SMPS CSR028A | DC5V-8A 12V-7A | 1 | MELE0SMP018 |
| 3 | TERMINAL BLOCK | 6P UL | 1 | MELE0TEB001 |

8-14.ASSEMBLING 4 JACKPOT FND



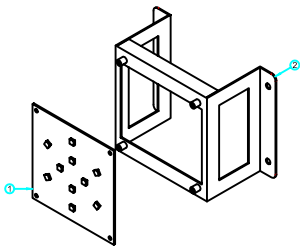
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|--------------------|-------|----------|-------------|
| 1 | JACKPOT FND PCB | - | 1 | AALA0PCB002 |
| 2 | 4 JACKPOT FND BRKT | - | 1 | MALA0MEP045 |

8-15.ASSEMBLING HEAD LIGHT

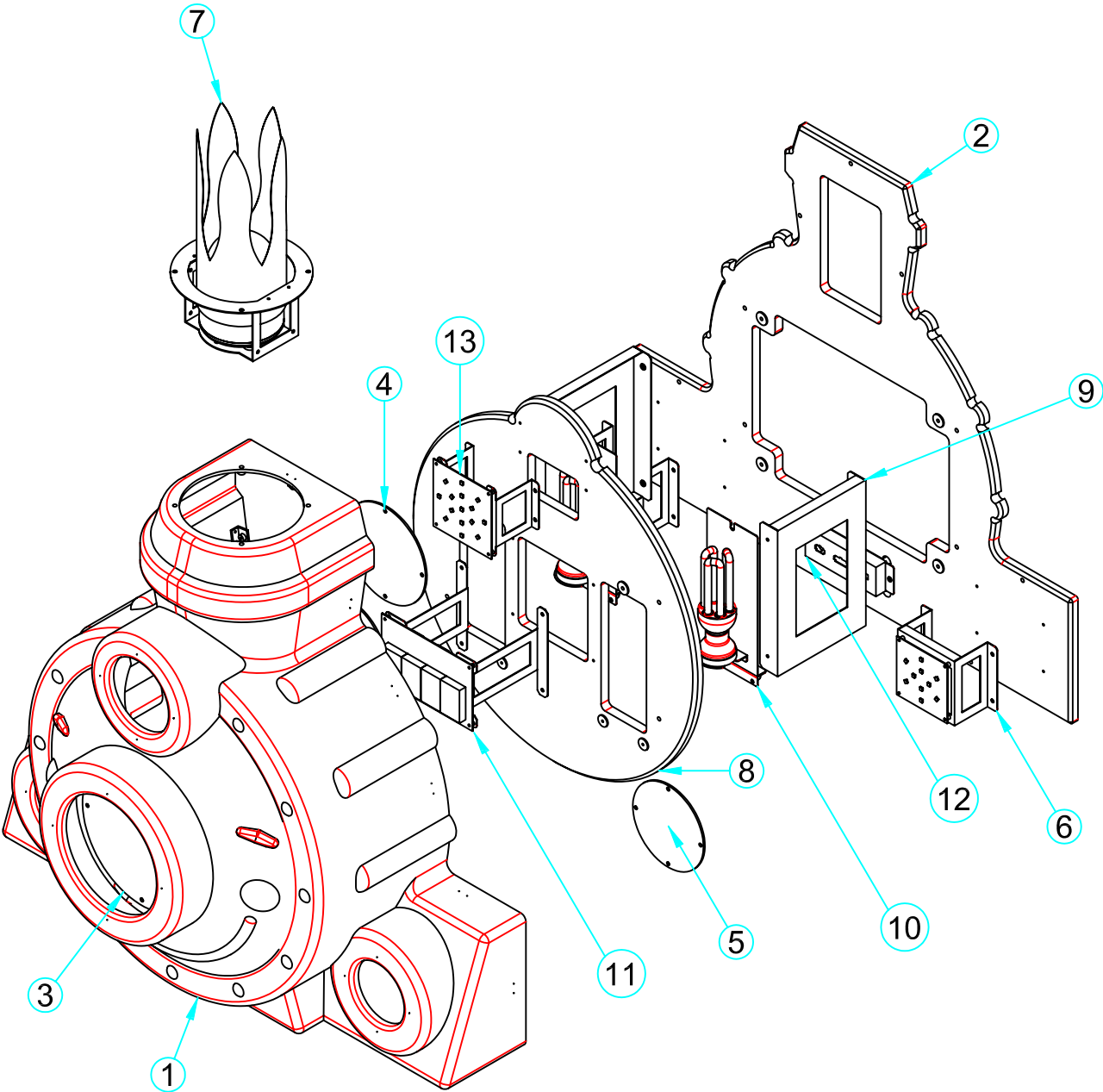


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|---------------------|-------|----------|-------------|
| 1 | MASK HAED PCB ASS'Y | - | 1 | AALA0PCB006 |
| 2 | MASK HED LIGHT BRKT | - | 1 | MALA0MEP038 |

8-16.ASSEMBLING MASK SIDE LIGHT

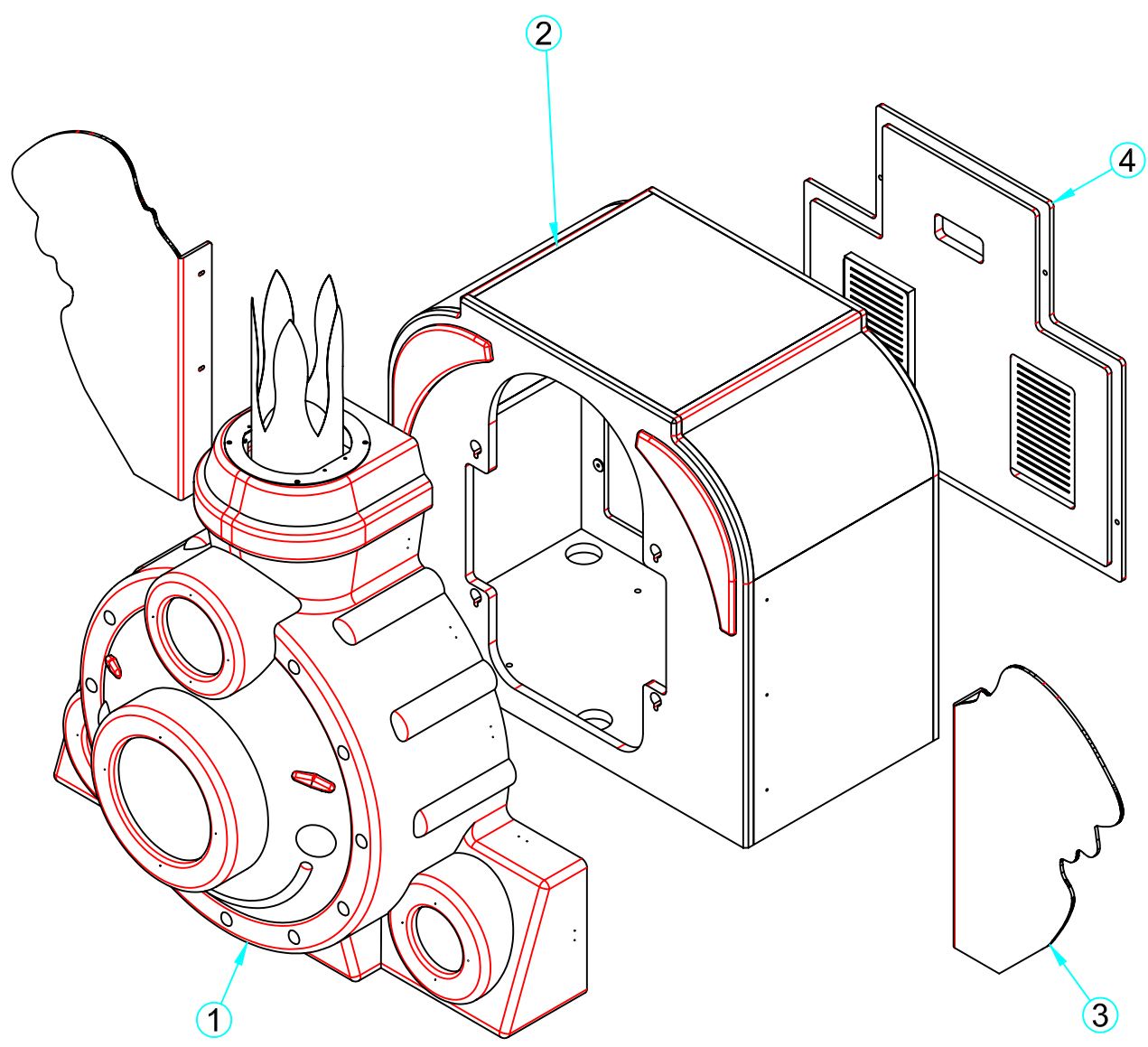


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-------------------------|-------|----------|-------------|
| 1 | MASK SIDE LED PCB ASS'Y | - | 1 | AALA0PCB005 |
| 2 | MASK SIDE LIGHT BRKT | - | 1 | MALA0MEP049 |

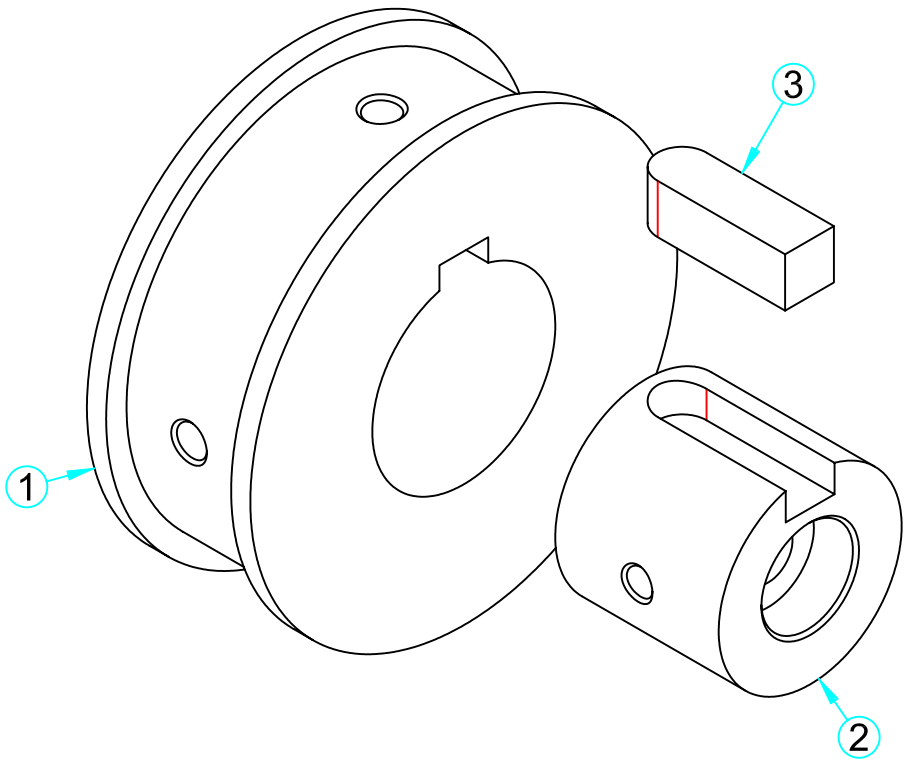


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|--|-------|----------|----------------------------|
| 1 | TRAIN MASK VACUUM SUPPORT ASSY | - | 1 | AALA0VAC001 |
| 2 | TRAIN MASK MDF COVER | - | 1 | MALA0WOO005 |
| 3 | MASK FND PC SHEET 4 JACKPOT FND ACRYL | - | 1 | MALA0SHE011 MALA0ACR016 |
| 4 | MASK HEAD LIGHT ACRYL | - | 1 | MALA0ACR011 |
| 5 | MASK SIDE LIGHT ACRYL | - | 2 | MALA0SHE017 |
| 6 | MASK SIDE LIGHT ASSY | - | 2 | 8-16(PAGE 29) |
| 7 | FIRE LIGHT ASSY | - | 1 | 8-8(PAGE 27) |
| 8 | TRAIN MASK INNER COVER | - | 1 | MALA0WOO004 |
| 9 | INNER COVER BRKT | - | 2 | MALA0MEP043 |
| 10 | 3 WAVES LAMP ASSY | - | 2 | 8-9(PAGE 28) |
| 11 | 4 JACKPOT FND ASSY | - | 1 | 8-14(PAGE 29) |
| 12 | MASK CONNECTOR BRKT | - | 1 | MALA0MEP003 |
| 13 | HEAD LIGHT ASSY | - | 1 | 8-15(PAGE 29) |

8-19.ASSEMBLING TRAIN MASK VACUUM REAR BOX

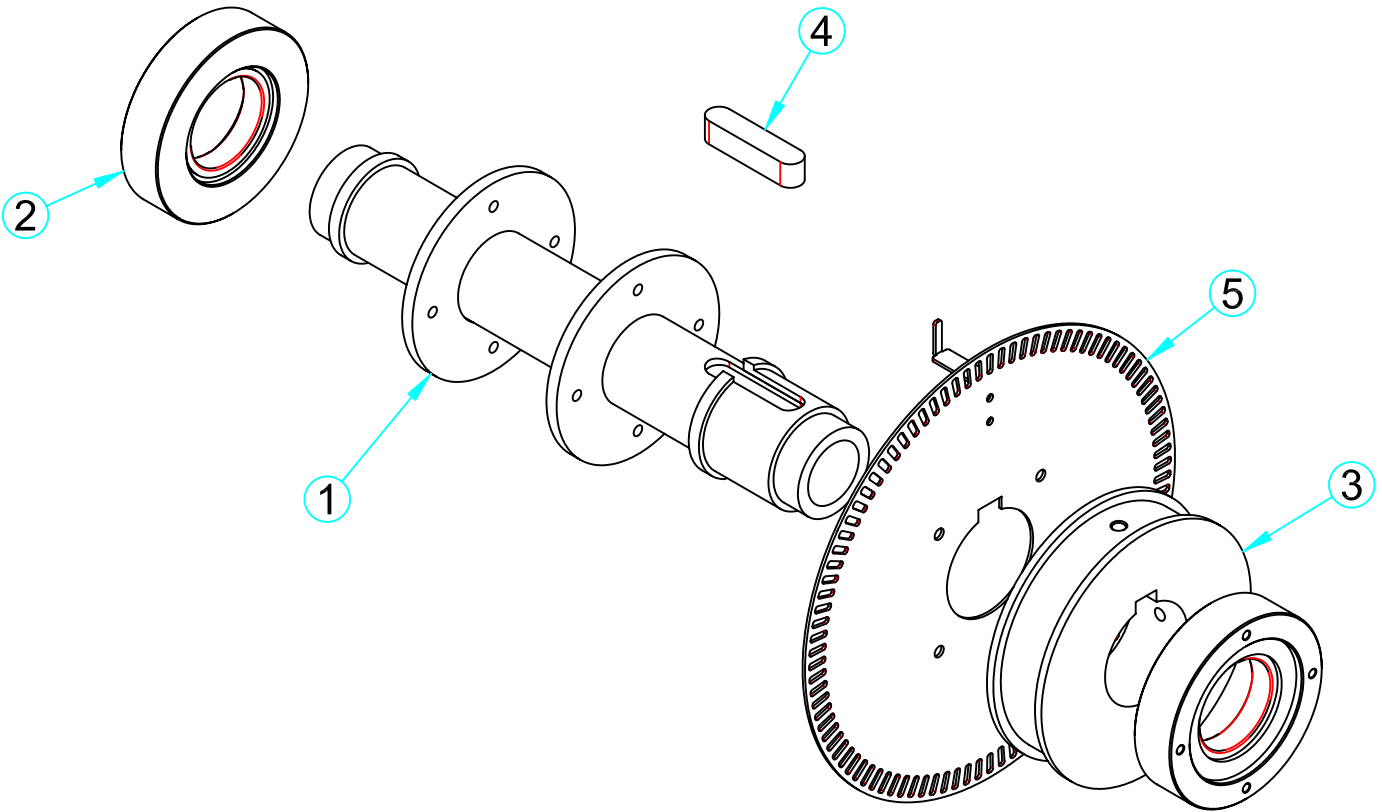


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-----------------------------------|-------|----------|----------------------------|
| 1 | TRAIN MASK VACUUM ELECTRONIC ASSY | - | 1 | 8-18(PAGE 30) |
| 2 | TRAIN REAR BOX SUPPORT ASSY | - | 1 | MALA0WOO003 |
| 3 | TRAIN POP L,R | - | 2 | MALA0SHE012 MALA0ACR003 |
| 4 | REAR BOX BACK DOOR | - | 1 | - |



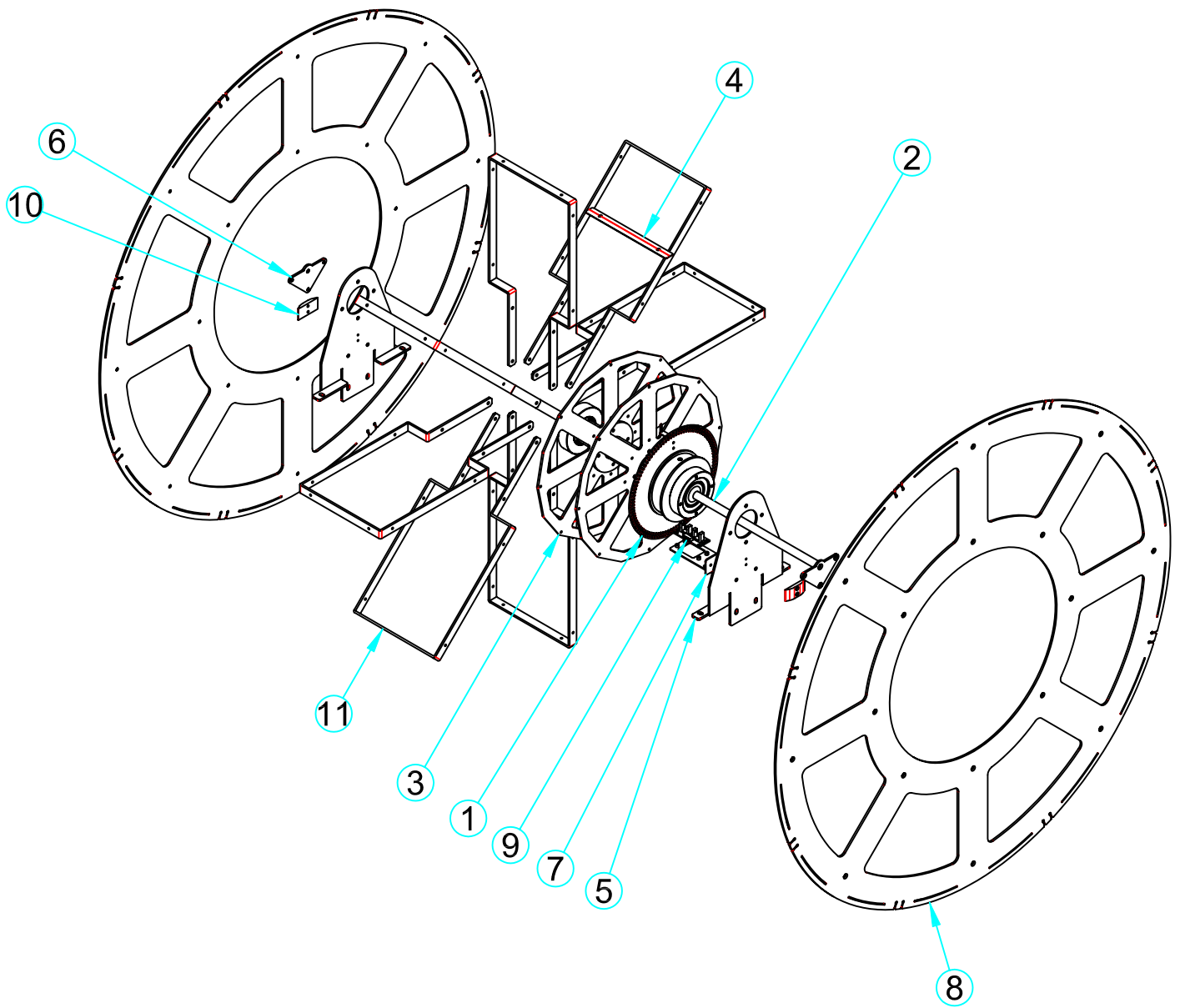
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-----------------------------|-------|----------|-------------|
| 1 | 16H075 - 33F PULLEY | - | 1 | MALA0PRO006 |
| 2 | 16H075 - 33F PULLEY HOUSING | - | 1 | MALA0PRO007 |
| 3 | PULLEY SHAFT KEY | - | 1 | MALA0PRO008 |

8-21.ASSEMBLING WHEEL MAIN SHAFT



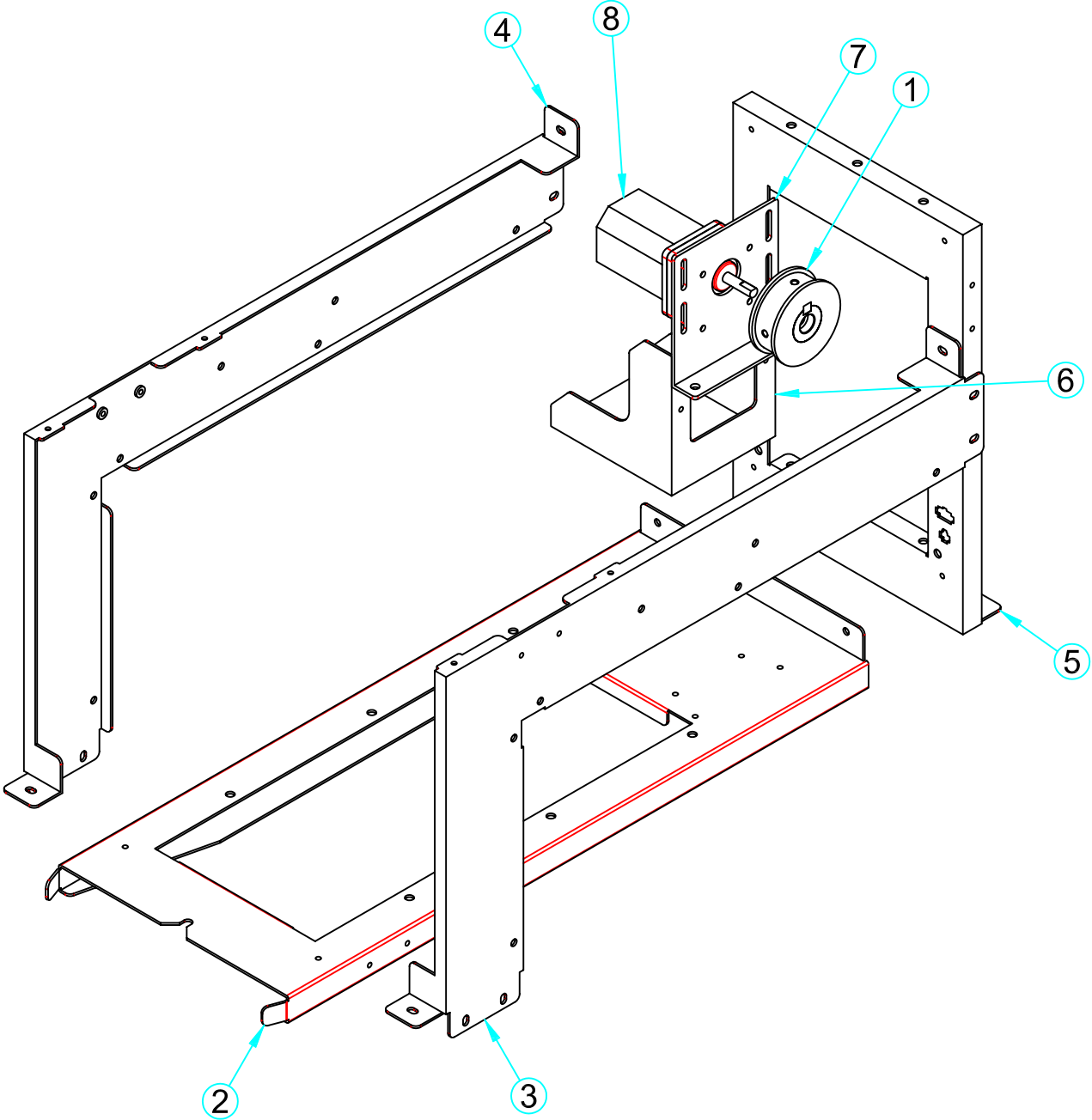
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-------------------------------|-------|----------|-------------|
| 1 | WHEEL MAIN SHAFT WELDING ASSY | - | 1 | MALA0PRO001 |
| 2 | WHEEL BEARING BLOCK ASSY | - | 1 | MALA0PRO005 |
| 3 | 24H075 - 33F PULLEY | - | 1 | MALA0PRO002 |
| 4 | WHEEL SHAFT KEY | - | 1 | MALA0PRO003 |
| 5 | ENCODER SENSOR BRACKET ASSY | - | 1 | MALA0MEP008 |

8-22.ASSEMBLING MAIN WHEEL

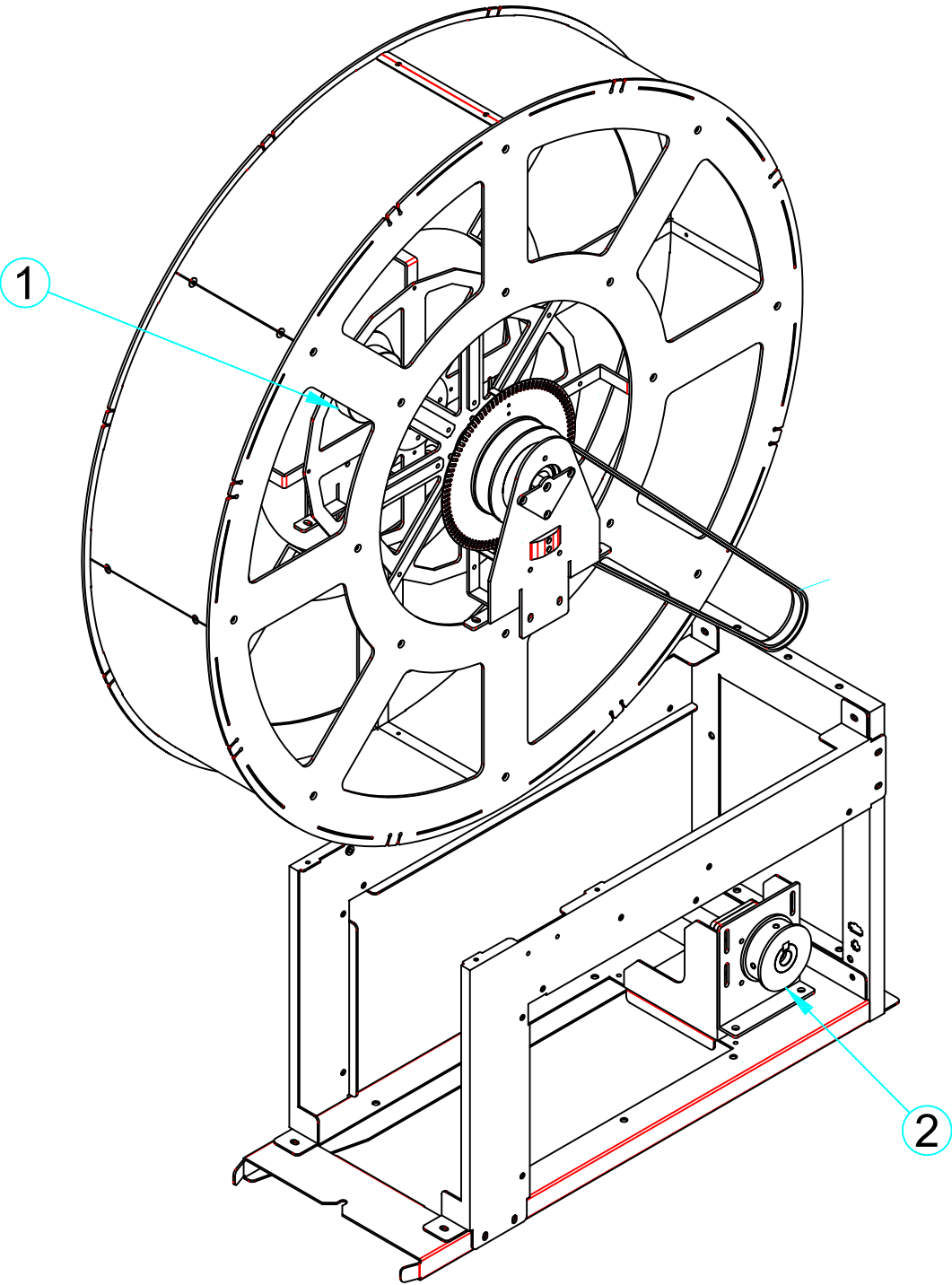


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-------------------------|-------|----------|---------------|
| 1 | WHEEL MAIN SHAFT ASSY | - | 1 | 8-21(PAGE 33) |
| 2 | WHEEL SUB SHAFT | - | 1 | MALA0PRO004 |
| 3 | WHEEL SIDE SUPPORT A | - | 2 | MALA0MEP020 |
| 4 | PATTERN B PLUSE BRKT | - | 8 | MALA0MEP054 |
| 5 | WHEEL HOUSING BRKT A | - | 2 | MALA0MEP016 |
| 6 | WHEEL SUB BRKT A | - | 2 | MALA0MEP022 |
| 7 | SENSOR PCB BRKT | - | 1 | MALA0MEP012 |
| 8 | WHEEL FOMEX SIDE SHEET | - | 2 | MALA0ACR002 |
| 9 | PHOTO SENSOR PCB ASS'Y | - | 1 | AALA0PCB010 |
| 10 | SIDE GAP SLIDE MC NYLON | - | 2 | MALA0PRO009 |
| 11 | WHEEL LIB PATTERN C | - | 8 | MALA0MEP017 |

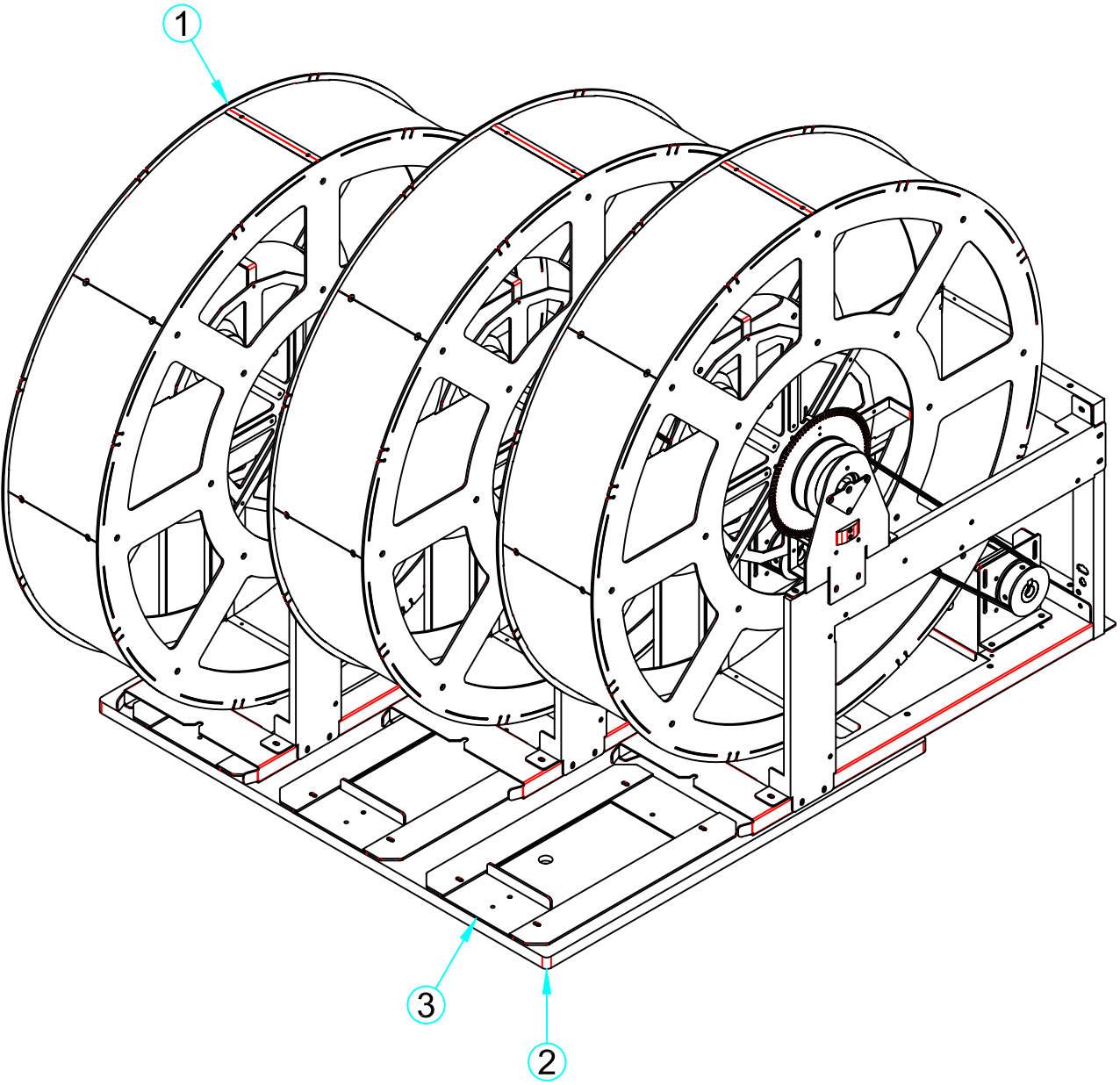
8-23.ASSEMBLING WHEEL BASE



| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|---------------------------|---|----------|----------------------------|
| 1 | MOTOR PULLEY ASSY | - | 1 | 8-20(PAGE 32) |
| 2 | WHEEL BOTTOM PANEL | - | 1 | MALA0MEP015 |
| 3 | WHEEL SIDE PANEL L | - | 1 | MALA0MEP019 |
| 4 | WHEEL SIDE PANEL R | - | 1 | MALA0MEP019 |
| 5 | WHEEL REAR PANEL | - | 1 | MALA0MEP018 |
| 6 | MOTOR SUPPORT BRKT | - | 1 | MALA0MEP027 |
| 7 | PULLEY MOTOR BRACKET | - | 1 | MALA0MEP028 |
| 8 | MOTOR MOTOR(GEAR HEAD) | MOTOR -K6DG6N1 (DC12V-6W) GEAR HEAD-K6G75C (K6G-1:075) | 1 | MALA0MOT001 MALA0MOT002 |

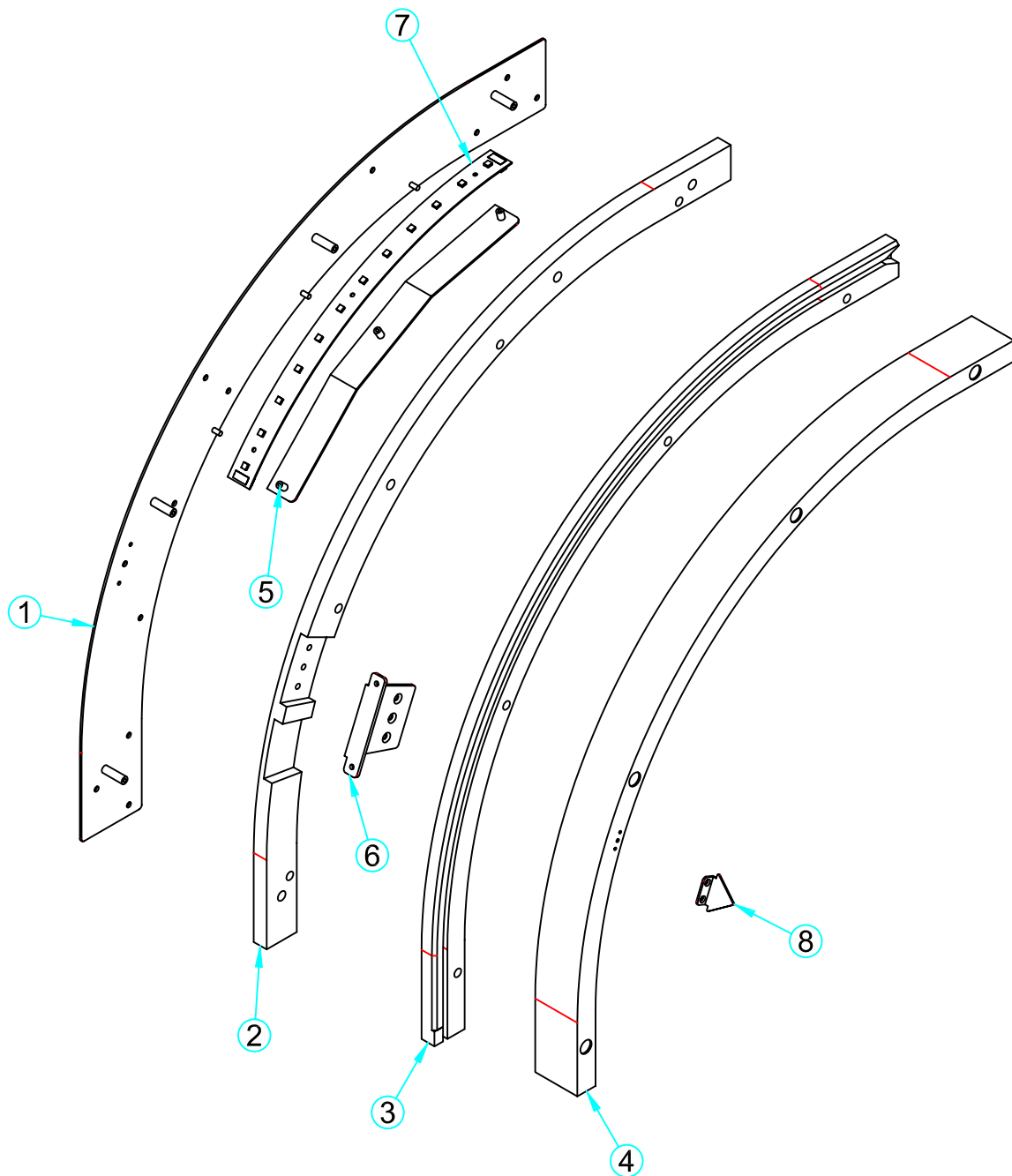


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-----------------|-------|----------|---------------|
| 1 | MAIN WHEEL ASSY | - | 1 | 8-22(PAGE 34) |
| 2 | WHEEL BASE ASSY | - | 1 | 8-23(PAGE 35) |



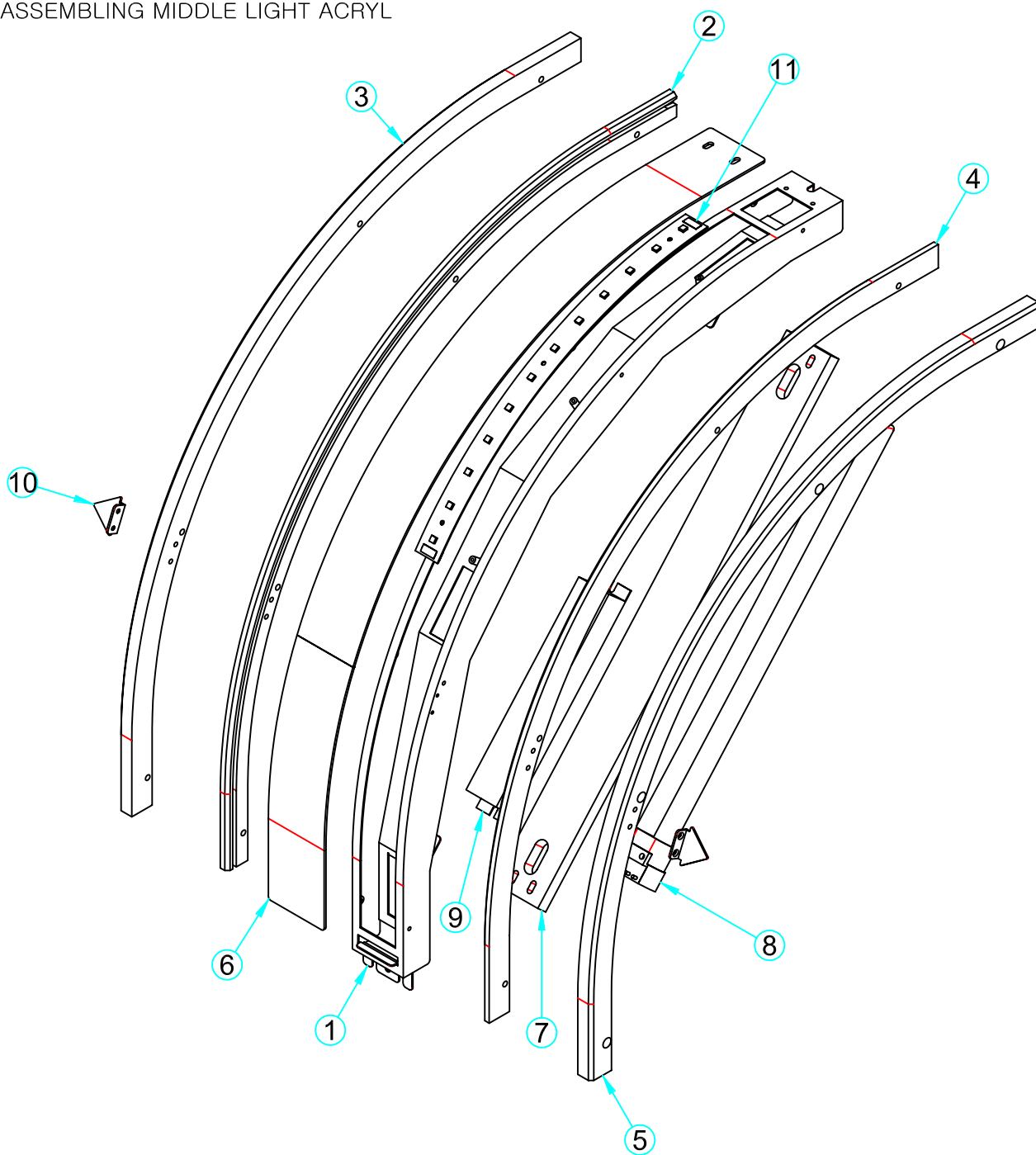
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|------------------------|-------|----------|---------------|
| 1 | WHEEL BASE ASSY 173 | - | 3 | 8-24(PAGE 36) |
| 2 | WHELL BASE PANEL | - | 1 | MALA0WOO006 |
| 3 | WHEEL SLIDE GUIDE BRKT | - | 1 | MALA0MEP021 |

8-26.ASSEMBLING SIDE LIGHT ACRYL



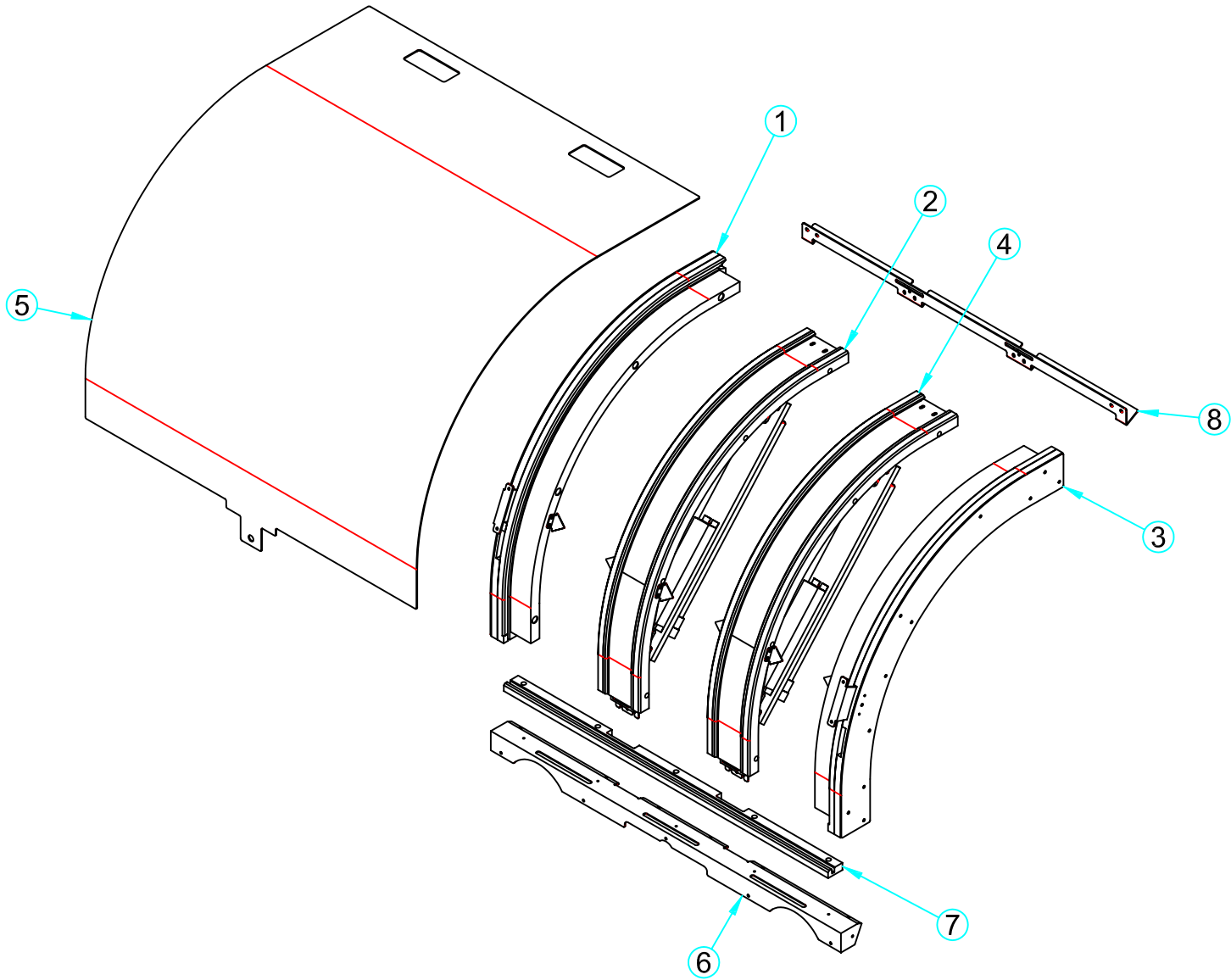
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|------------------------------|-------|----------|-------------|
| 1 | SIDE LIGHT ACRYL BRKT A | - | 1 | MALA0MEP030 |
| 2 | SIDE LIGHT ACRYL A | - | 1 | MALA0ACR006 |
| 3 | SIDE LIGHT ACRYL B | - | 1 | MALA0ACR005 |
| 4 | SIDE LIGHT ACRYL BRKT d | - | 1 | MALA0MEP032 |
| 5 | SIDE LIGHT ACRYL BRKT b | - | 1 | MALA0MEP031 |
| 6 | FRESNEL BUTTON SIDE BRKT | - | 1 | MALA0MEP040 |
| 7 | WHEEL SIDE LED BULE PCB ASSY | - | 1 | AALA0PCB007 |
| 8 | ARROW PLATE A | - | 1 | MALA0MEP002 |

8-27.ASSEMBLING MIDDLE LIGHT ACRYL



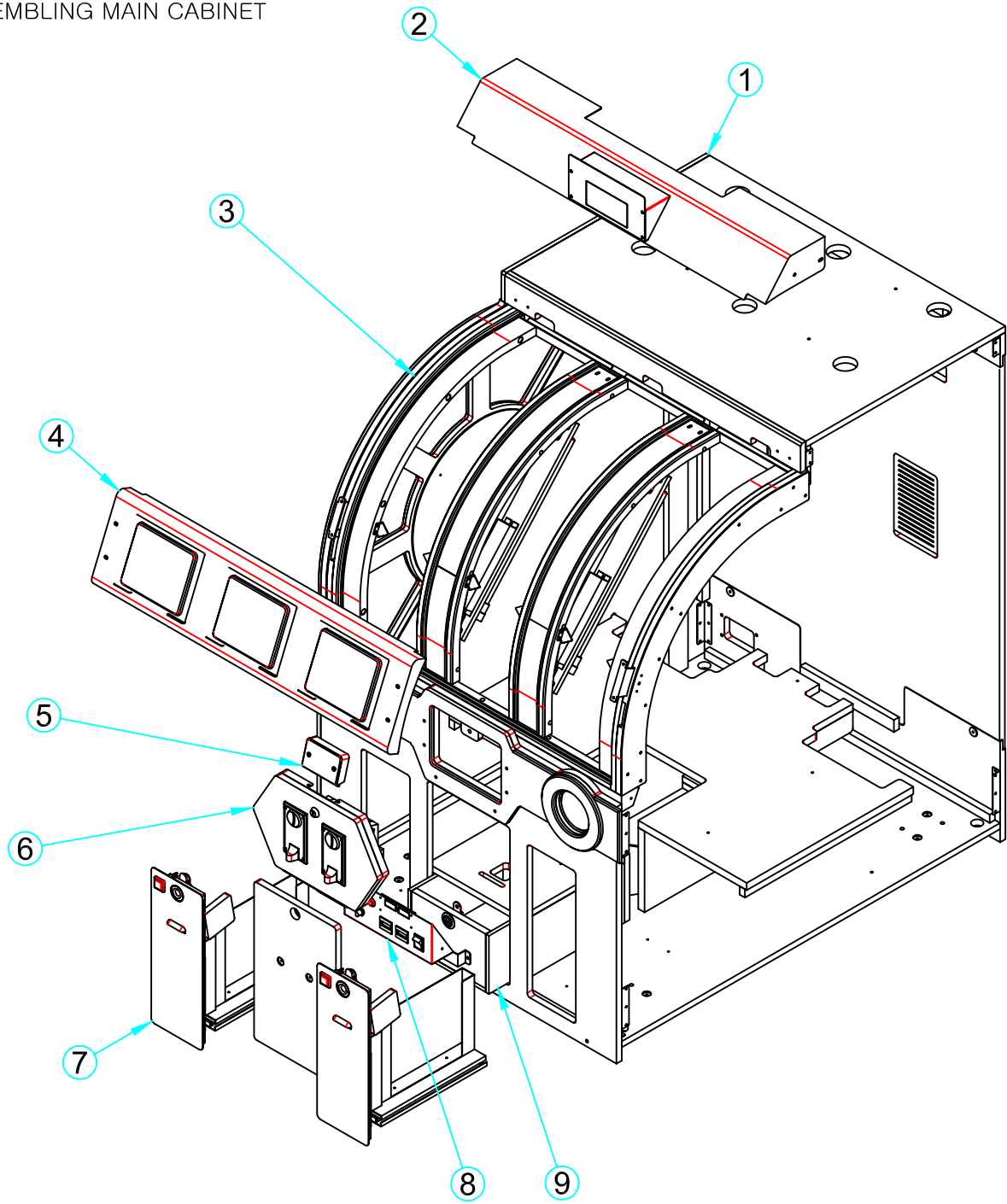
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|------------------------------|------------------|----------|-------------|
| 1 | MIDDLE LIGHT ACRYL BRKT B | - | 1 | MALA0MEP053 |
| 2 | MIDDLE LIGHT ACRYL A | - | 1 | MALA0ACR010 |
| 3 | MIDDLE LIGHT ACRYL B | - | 1 | MALA0ACR009 |
| 4 | MIDDLE LIGHT ACRYL A(대칭품) | - | 1 | MALA0ACR010 |
| 5 | MIDDLE LIGHT ACRYL B(대칭품) | - | 1 | MALA0ACR009 |
| 6 | MIDDLE LIGHT PC | - | 1 | MALA0ACR008 |
| 7 | MIDDLE PL LIGHT PW | - | 1 | MALA0WOO011 |
| 8 | LAMP(PL) | 110V36W P/L LAMP | 1 | MMST0ELE006 |
| 9 | ELECTRONIC BALLAST | - | 1 | MALA0000002 |
| 10 | ARROW PLATE A | - | 2 | MALA0MEP002 |
| 11 | WHEEL SIDE LED RGB PCB ASS'Y | - | 1 | ALA0PCB011 |

8-28.ASSEMBLING SIDE MIDDLE ACRYL LIGHT



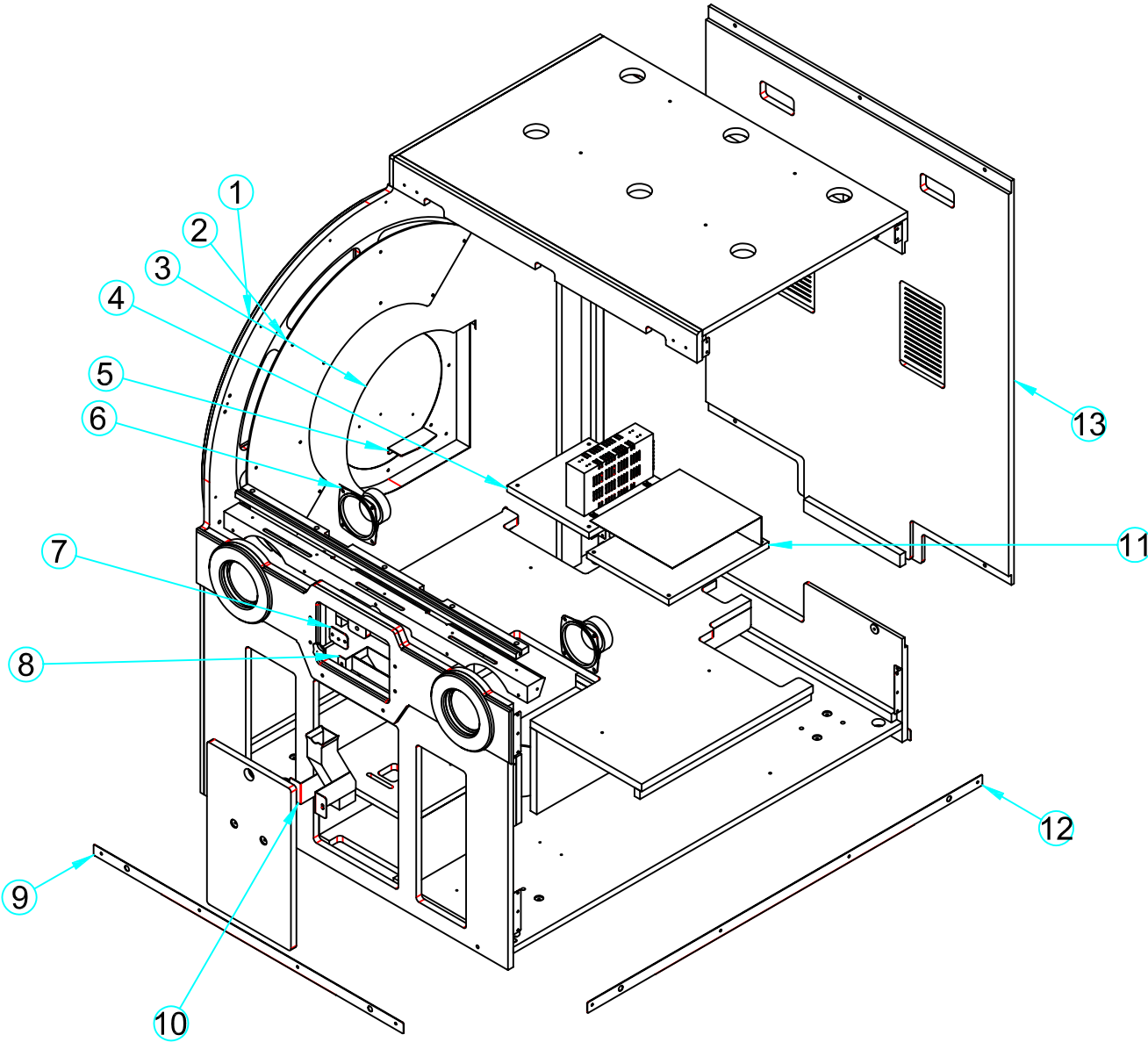
| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|---------------------------------|-------|----------|---------------|
| 1 | SIDE LIGHT ACRYL ASSY | - | 1 | 8-26(PAGE 38) |
| 2 | MIDDLE LIGHT ACRYL ASSY | - | 1 | 8-27(PAGE 39) |
| 3 | SIDE LIGHT ACRYL ASSY(symmetry) | - | 1 | 8-26(PAGE 38) |
| 4 | MIDDLE LIGHT ACRYL ASSY | - | 1 | 8-27(PAGE 39) |
| 5 | FRONT WINDOW POLYCARBONATE | - | 1 | MALA0ACR013 |
| 6 | SLIDE LOW BRKT A | - | 1 | MALA0MEP033 |
| 7 | SLIDE LOW ACRYL | - | 1 | MALA0ACR004 |
| 8 | SLIDE UPPER BRKT A | - | 1 | MALA0MEP034 |

8-29.ASSEMBLING MAIN CABINET

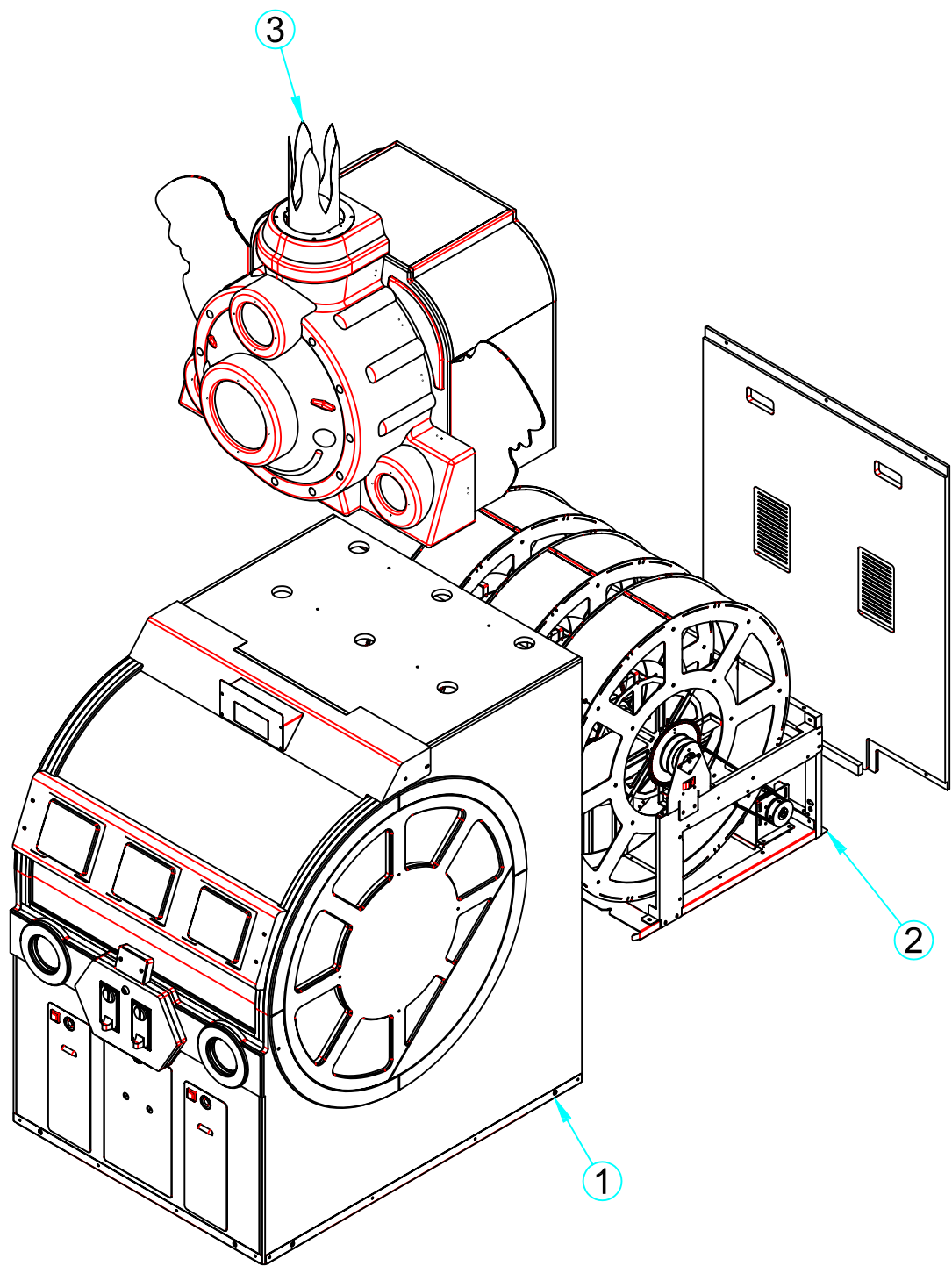


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|------------------------------|-------|----------|---------------|
| 1 | ALL ABOARD MDF CABINET ASSY | - | 1 | MALA0WOO002 |
| 2 | MIDDLE BILLBOARD BOX ASSY | - | 1 | 8-5(PAGE 24) |
| 3 | SIDE MIDDLE ACRYL LIGHT ASSY | - | 1 | 8-28(PAGE 40) |
| 4 | FRESNEL BUTTON ASSY | - | 1 | 8-4(PAGE 23) |
| 5 | COIN FND ASSY | - | 1 | 8-6(PAGE 25) |
| 6 | COIN SEL MAIN ASSY | - | 1 | 8-1(PAGE 20) |
| 7 | TICKET DISPENSOR ASSY | - | 1 | 8-2(PAGE 21) |
| 8 | POWER SWITCH SETUP ASSY | - | 1 | 8-7(PAGE 26) |
| 9 | SLIDE UPPER BRKT A | - | 1 | 8-11(PAGE 29) |

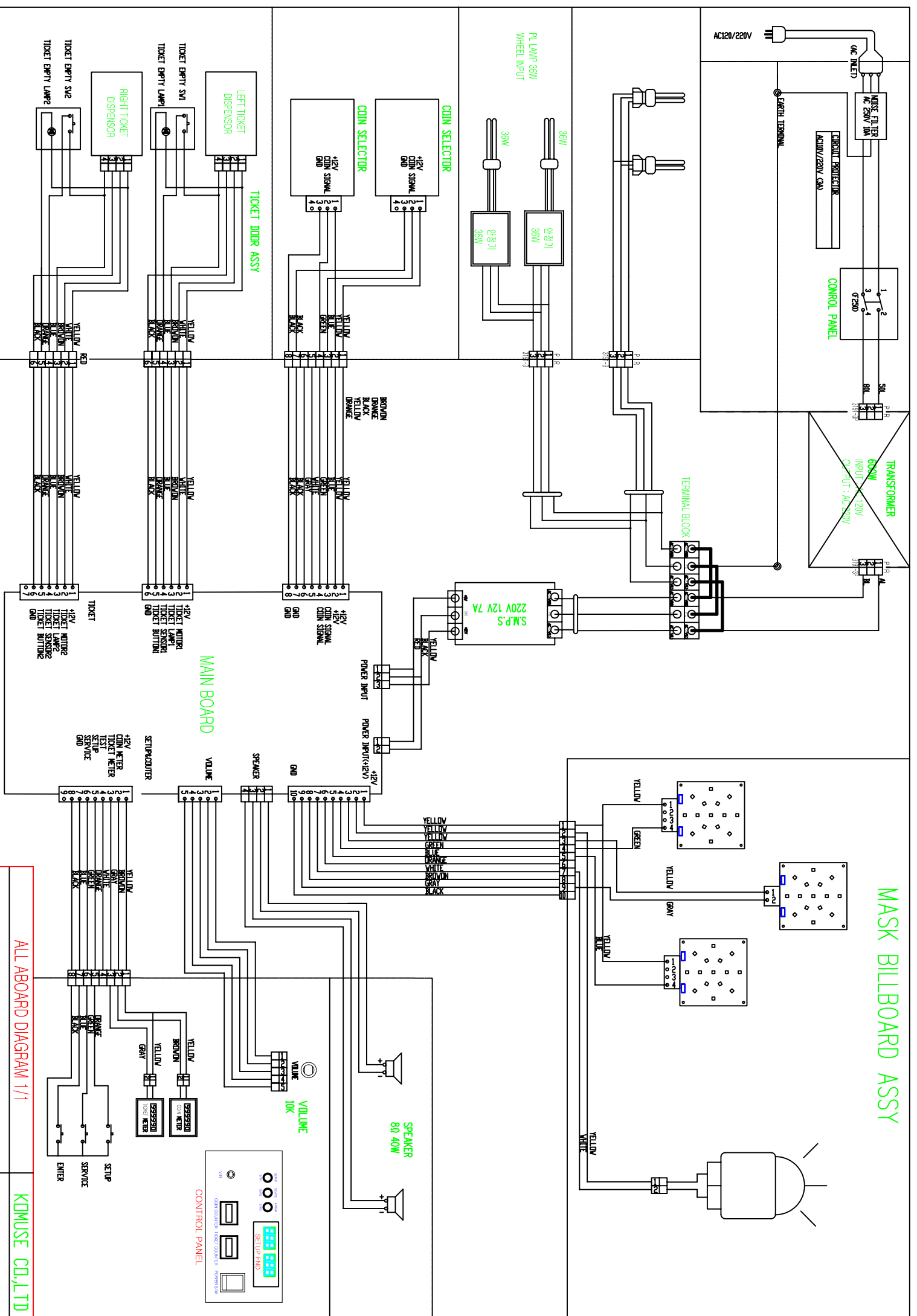
8-30.ASSEMBLING MAIN CABINET ELEC

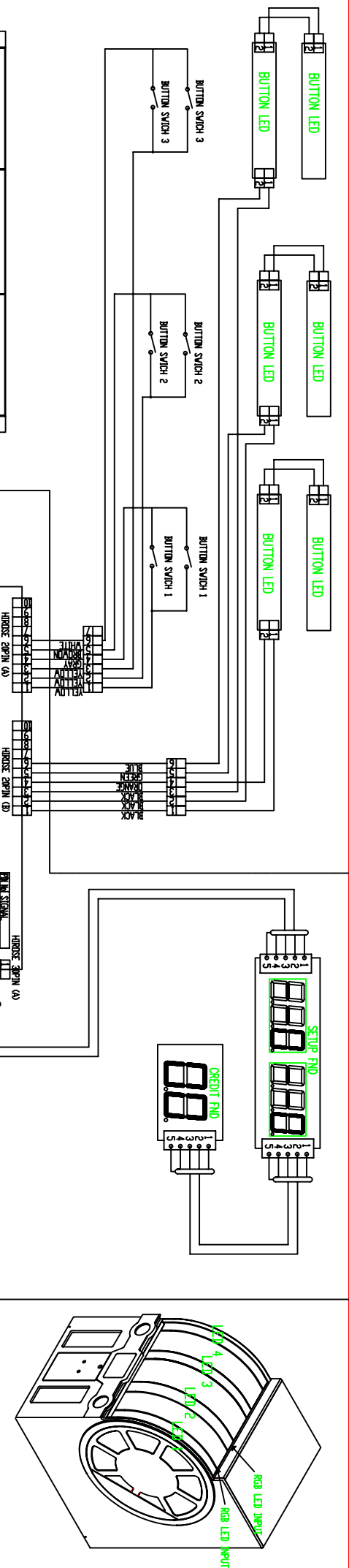


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|--|----------------|----------|----------------------------|
| 1 | ALL ABOARD MDF CABINET ASSY | - | 1 | MALA0WOO002 |
| 2 | SIDE INNER ACRYL | - | 2 | MALA0ACR007 |
| 3 | WHEEL SIDE BLIND PATCH L WHEEL SIDE BLIND PATCH R | - | 1 1 | MALA0MEP036 MALA0MEP037 |
| 4 | POWER MDF PANNEL ASSY | - | 1 | 8-13(PAGE 29) |
| 5 | SIDE GAP BRKT L SIDE GAP BRKT R | - | 1 1 | MALA0MEP014 MALA0MEP013 |
| 6 | SPEKER | MID 4.5 8Ω 80W | 2 | MZZZ0SPE004 |
| 7 | HANDLE BOLT PLATE | - | 1 | MALA0MEP042 |
| 8 | Front Coin Rail upper | - | 1 | MALA0MEP024 |
| 9 | Front Coin Rail lower | - | 1 | MALA0MEP023 |
| 10 | FRONT REAR BENDING | - | 2 | MALA0MEP041 |
| 11 | MAIN PCB PW ASSY | - | 1 | 8-10(PAGE 29) |
| 12 | SIDE BENDING | - | 2 | MALA0MEP029 |
| 13 | BACK DOOR | - | 1 | - |

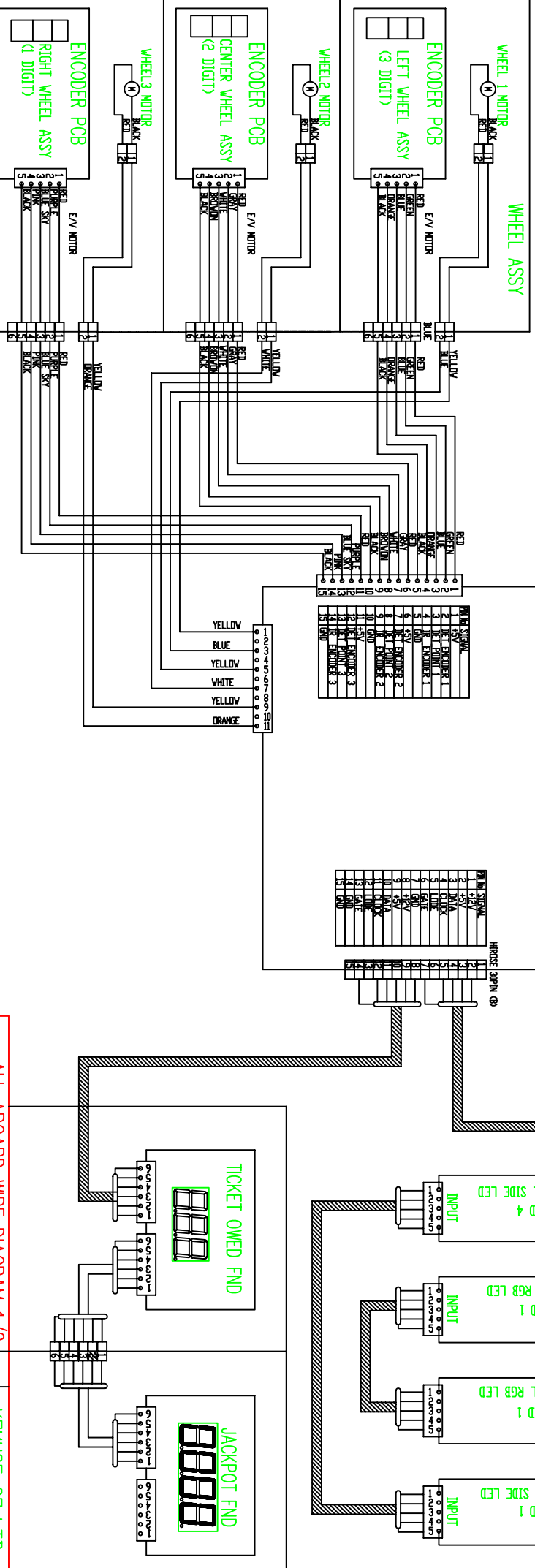


| NO. | PART NAME | SPEC. | QUANTITY | CODE NO. |
|-----|-------------------------|-------|----------|----------|
| 1 | ALL ABOARD CABINET ASSY | - | 1 | - |
| 2 | THIRD ABOARD | - | - | - |
| 3 | TRAIN MASK VACUUM ASSY | - | 1 | - |





MAIN BOARD



ALL ABOARD SHEET



all aboard sheet

| Image | Standard | quantity | material | CDDE NO. |
|-------|--|-----------------------|-------------------------------|-------------|
| | SIDE 1104X401 | 1SET = L/R | Silk screen | MALA0SHE001 |
| | SIDE LOGO 357 φ | 2EA | Silk screen | MALA0SHE002 |
| | WHEEL SIDE 390X780 | 4EA | PC Silk screen | MALA0SHE003 |
| | COIN FND 95X60 | 1EA | Silk screen | MALA0SHE004 |
| | DOOR LOGO 231.5 | 1EA | Silk screen | MALA0SHE005 |
| | HOW TO PLAY A 48.7X125.7 B,C 80X108 D,E,F 39X17.6 | 1SET = A/B/C/D/E/F | Silk screen (embo coating) | MALA0SHE006 |
| | IN COIN 346X214 | 1EA | Silk screen | MALA0SHE007 |
| | MIDDLE 318X98 | 1SET = L/R | Silk screen | MALA0SHE008 |
| | TICKET OUT 123X287 | 2EA | Silk screen | MALA0SHE009 |
| | OWED FND 217X107.5 | 1EA | Silk screen | MALA0SHE010 |
| | MASK FND 235 φ | 1EA | PC 1T Silk screen | MALA0SHE011 |
| | POP 320X529 | 1SET = L/R | Silk screen | MALA0SHE012 |
| | MARK 98X42 | 1SET = L/R | Printing | MALA0SHE013 |
| | MIDDLE LIGHT 63X817 | 2EA | Light printing | MALA0SHE014 |
| | FIRE 392.5x300 | 1EA | Light printing | MALA0SHE015 |
| | WHEEL 174X310.5 | 1SET (=24EA) | Light printing | MALA0SHE016 |
| | MASK SIDE LIGHT ACRYL | 2EA | Acryl Miracle Printing | MALA0SHE017 |
| | TOKEN 42X30 | 1SET = 1~5 | Printing | MALA0SHE018 |
| | WHEEL NUMBER 6X10 | 3SET (1SET=1~16) | Print coating | MALA0SHE019 |
| | POINT 20.5X28 | 6EA | Reflection Sticker | MALA0SHE020 |
| | 658x409.8 | 1SET = L/R | Silk screen | MALA0SHE021 |



A4(210*297)