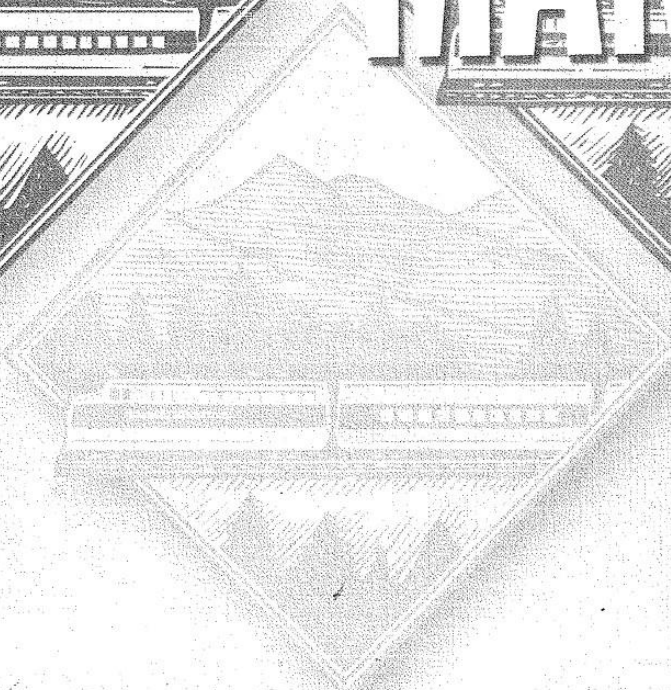
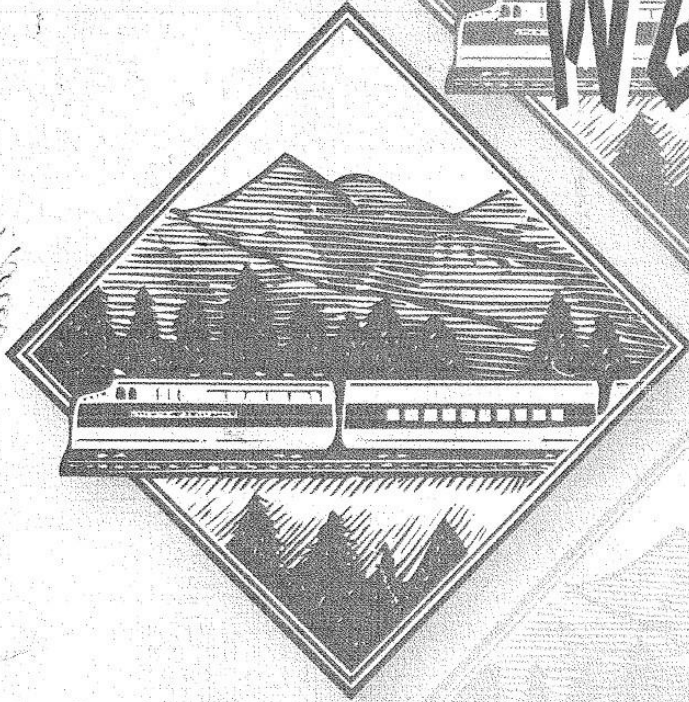


Western Train

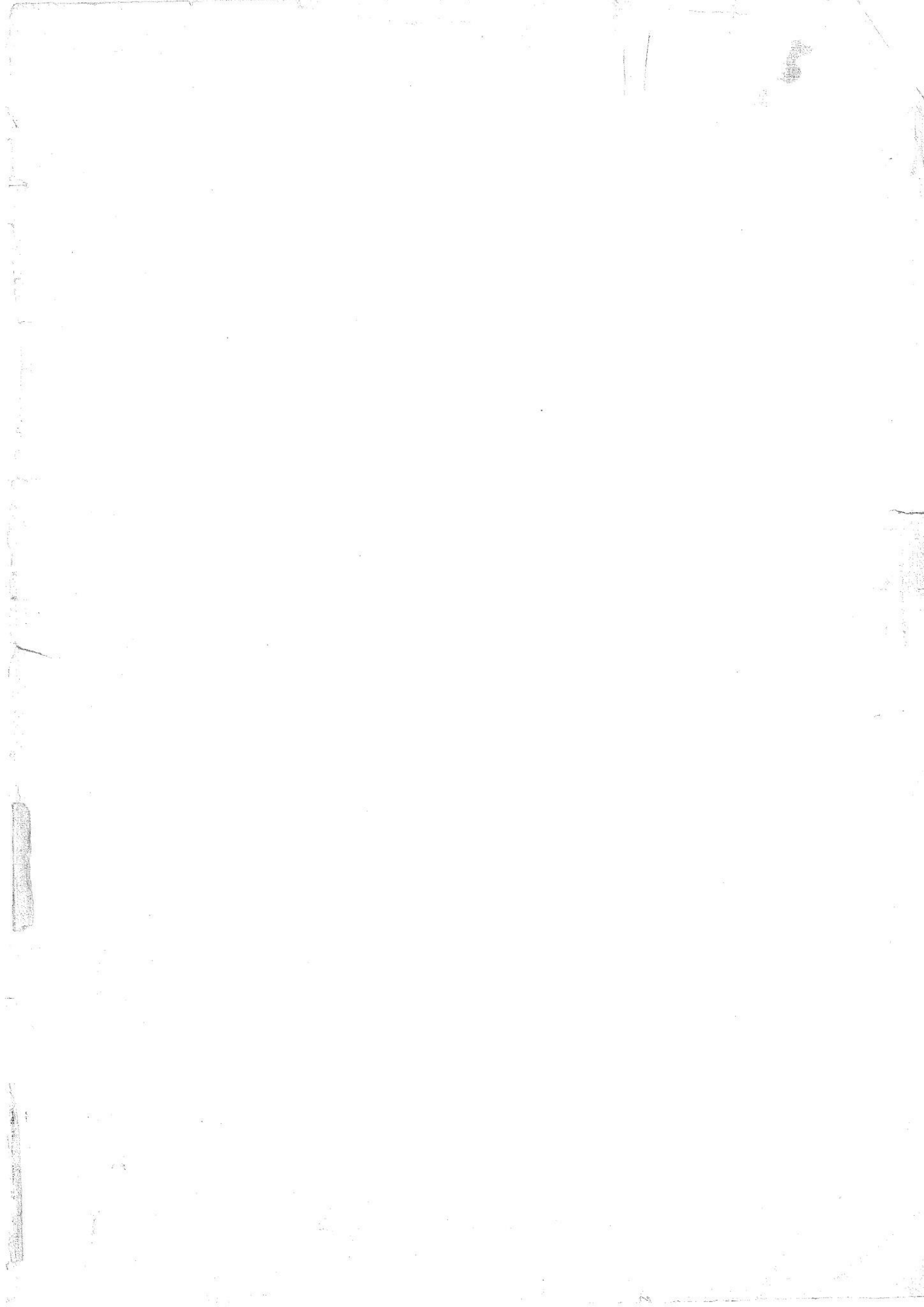
MANUAL



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.

Be sure to read the following

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

Setting Up


⚠ 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:


1. Rain or moisture. 
2. Direct sunlight.
3. Direct heat from air-conditioning and heating equipment, etc..
4. 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

Operation

⚠ 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 electrical shock or fire, so inspect the power cord 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.

¥ This machine is for one or two players. Three players cannot use it.

¥ 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


Inspection and cleaning


⚠ 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.

Moving and transportation

⚠ 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.

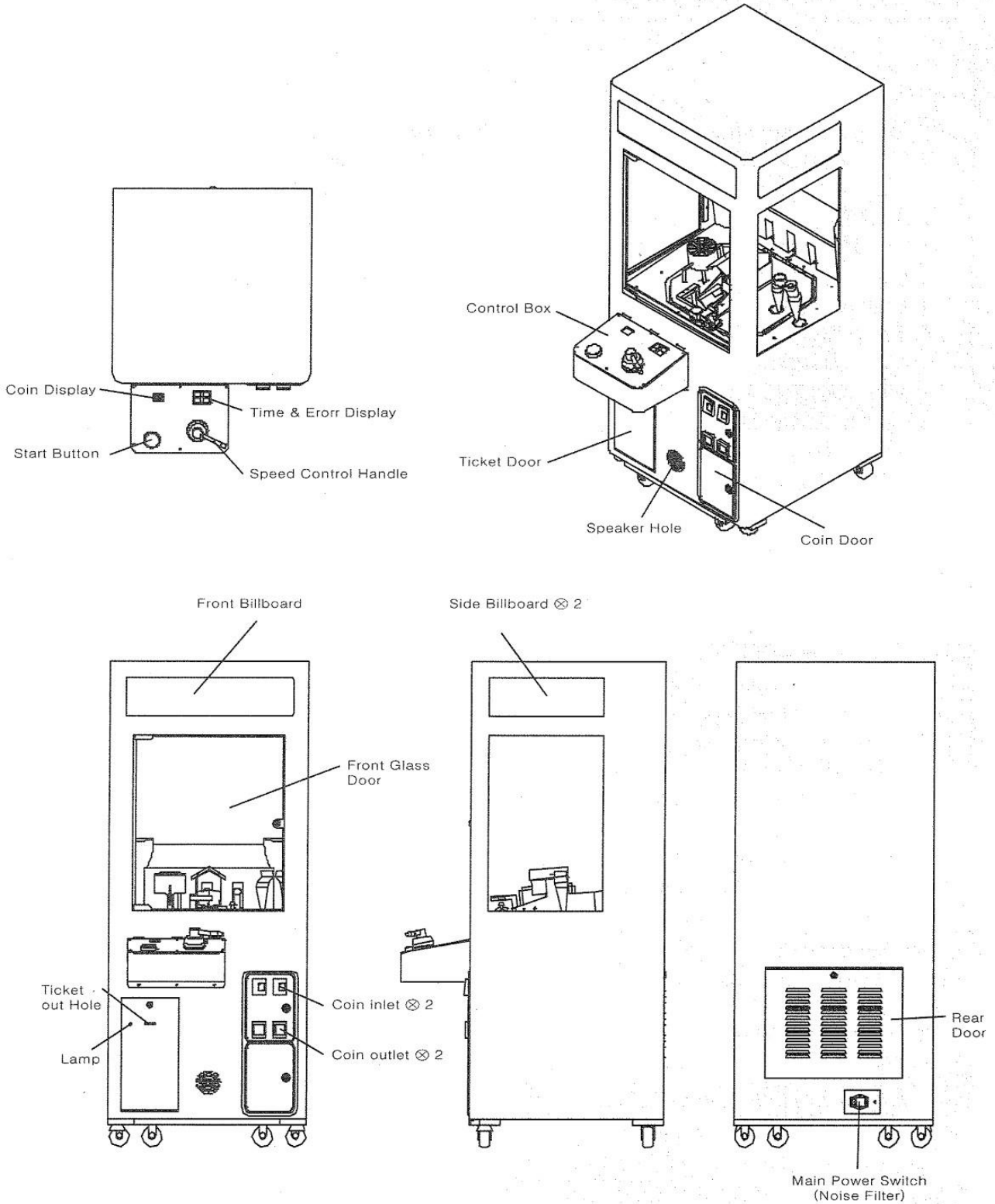
¥ If a new owner is to have this product as a result of transfer, etc., be sure to give this manual to the new owner.

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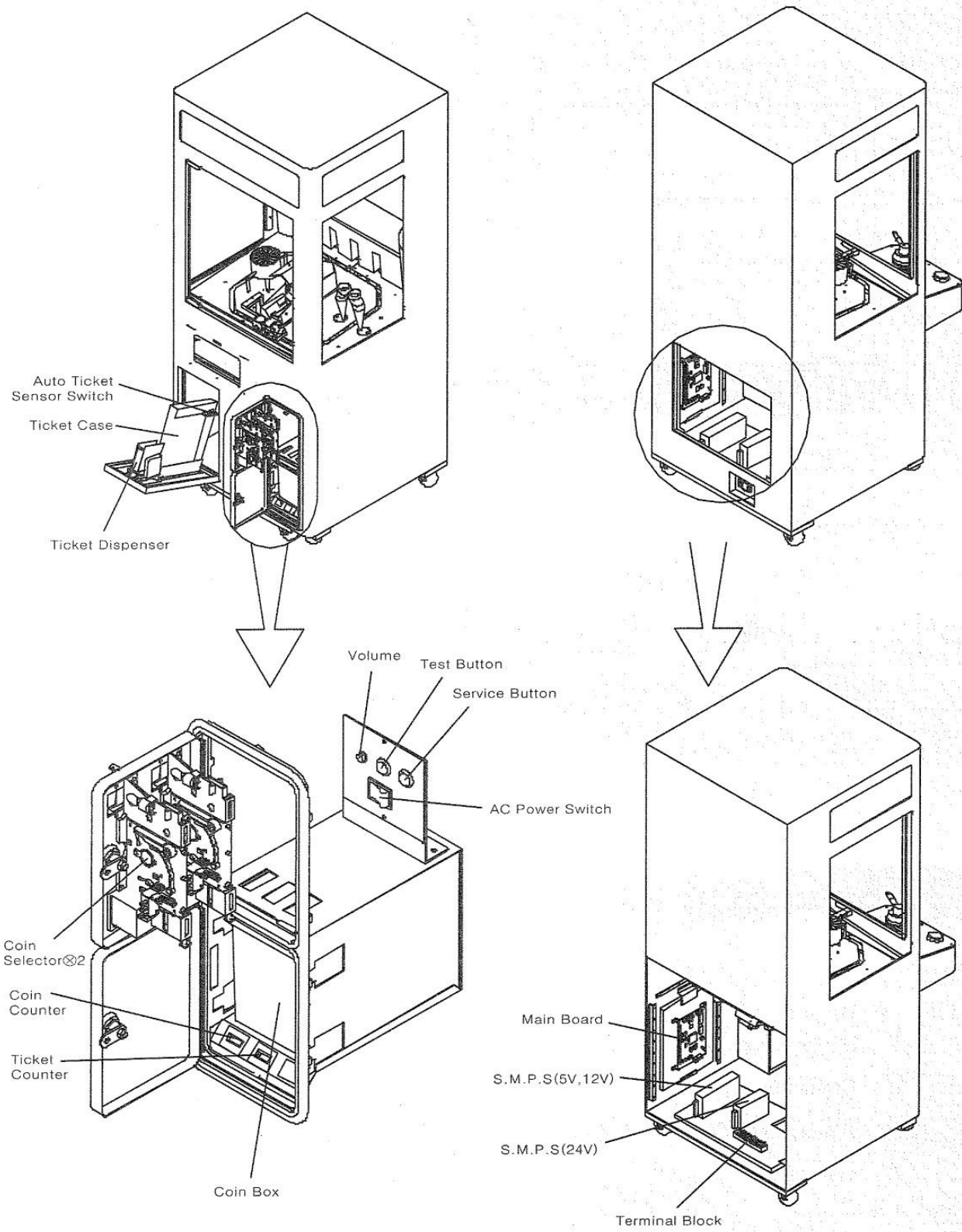
1. Name and Function of Parts

1-1. External parts



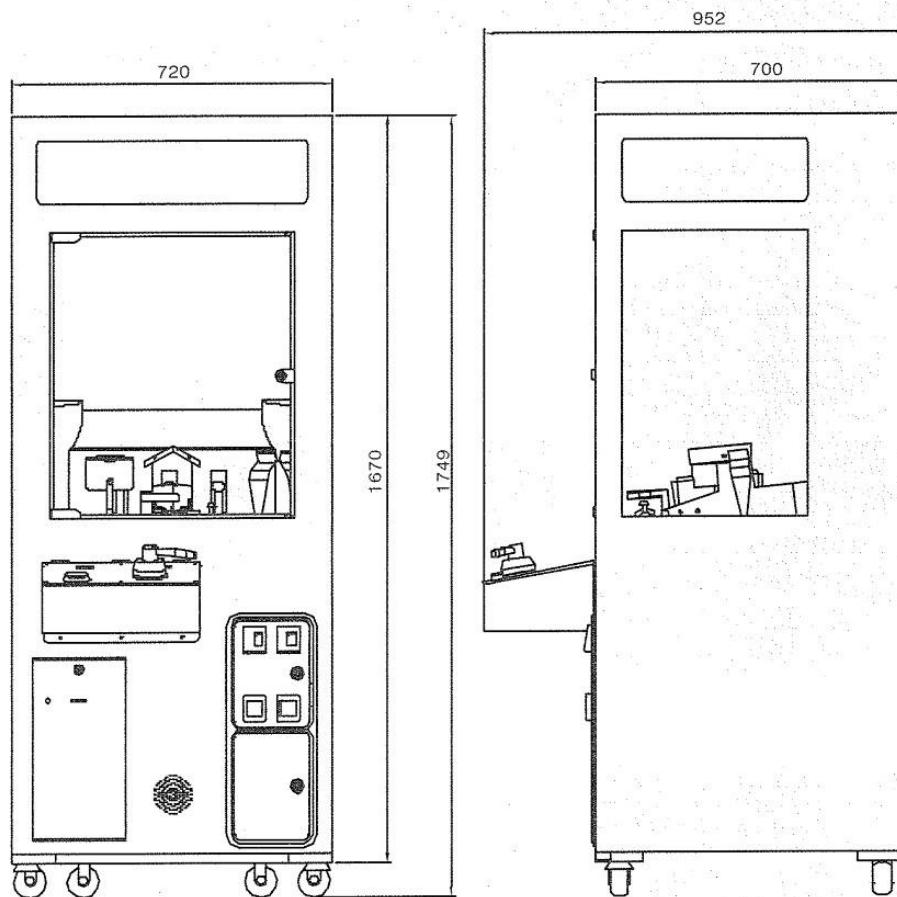
1. Name and Function of Parts

1- 2. Internal parts



2. Specifications & Dimensions

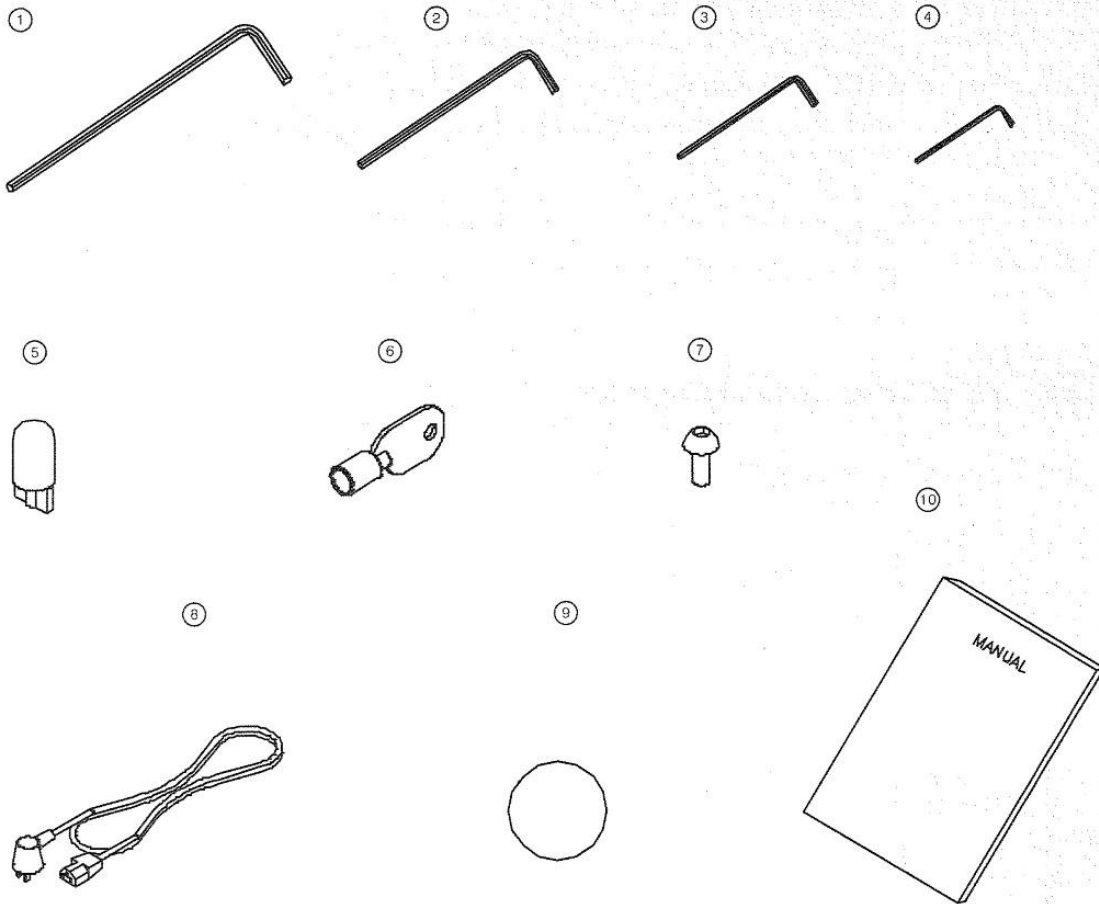
2-1. Dimensions



2-2. Specifications

1. Power : AC 100V,50~60Hz
2. Consumption : 150W
3. Dimension : 720(W)×952(D)×1749(H)[mm]
4. Weight : 158[kg]

3. Components



NO.	Name	SPEC.	Q'ty
1	Wrench	4mm	1
2	Wrench	3mm	1
3	Wrench	2.5mm	1
4	Wrench	2mm	1
5	Lamp	12V, 2.4W	1
6	Key		1
7	Bolt	M4 x 10	5
8	Ac Power Cord	110V	1
9	Ball		5
10	Manual		1

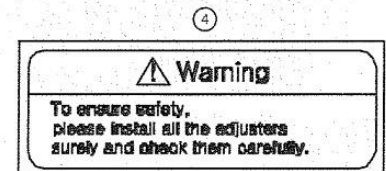
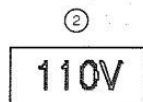
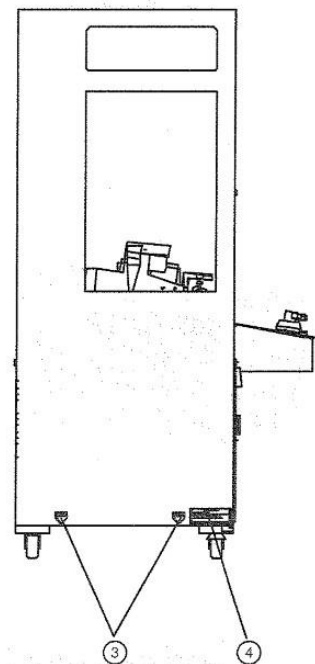
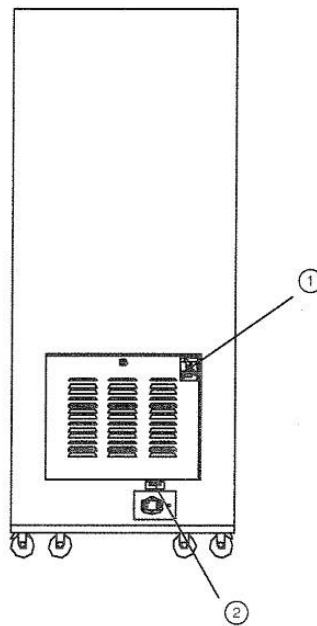
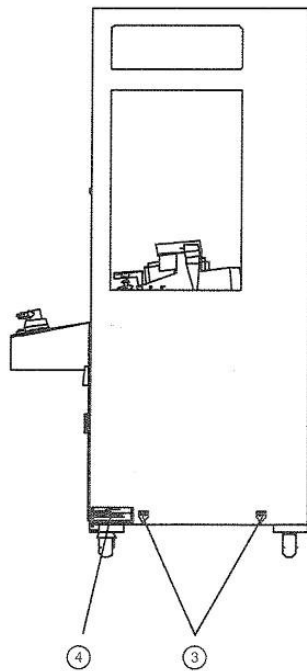
4. Safety Rules & Sticker Location

4-1. Safety Rules



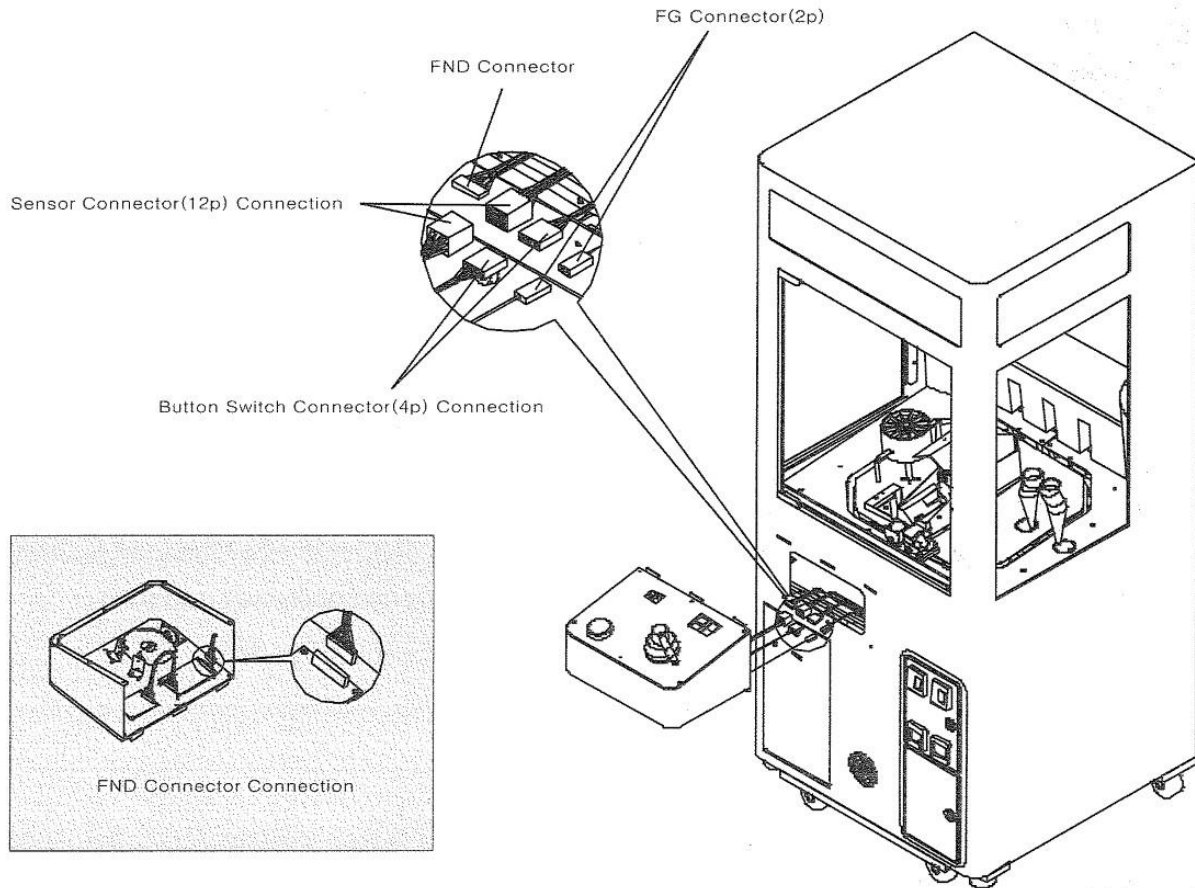
- Check if voltage indicated on the Machine corresponds with the voltage supplied.
- Do not install where Machine is exposed to moisture or rain to prevent which may result in shock hazard or fire.
- Do not install near sources (such as heaters, stoves...etc.) or the inflammables to prevent explosion or fire.
- Do not place Machine at inclined or unstable place to prevent damage or personal injury

4-2. Sticker Location



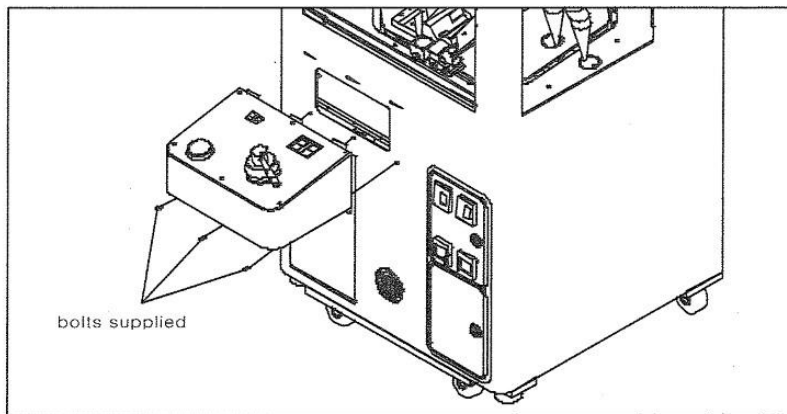
5. How to Assemble

5-1. Connector Connection



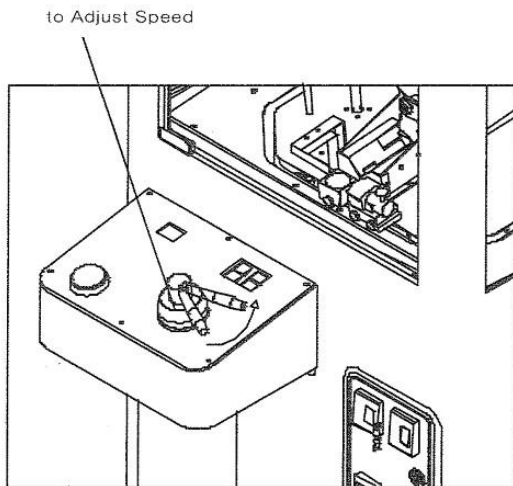
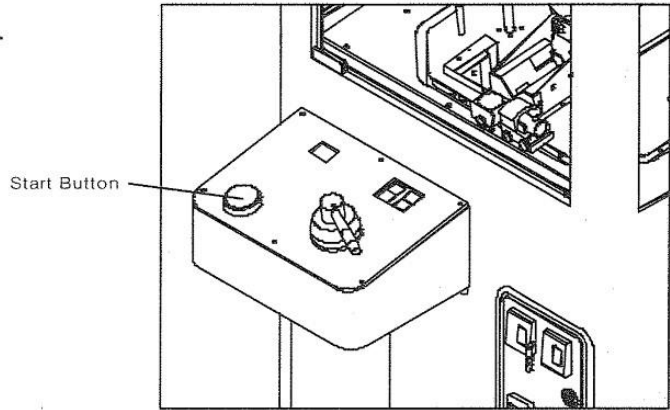
5-2. Connector Box Assembly

Assemble the control box on the cabinet using bolts supplied after coupling the connector.



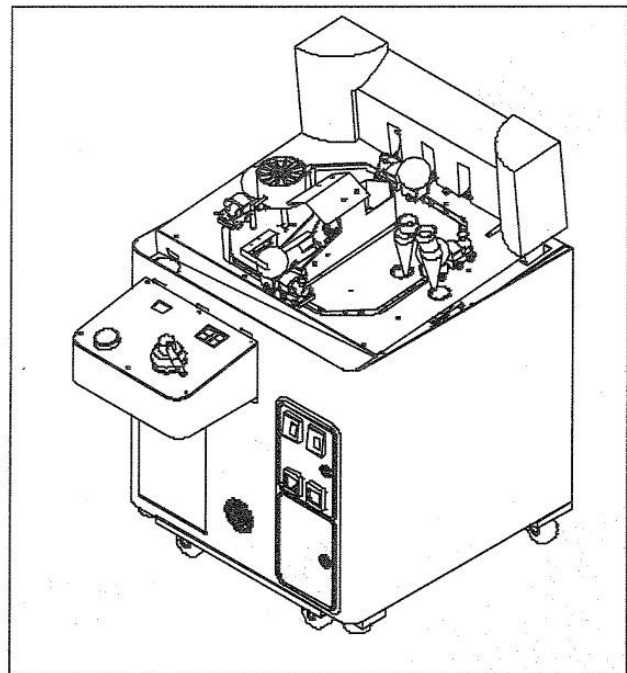
6. How to play

1. Insert coin/s
2. Press the start button to start game.



3. Drive through obstacles using the handle to adjust speed.

4. You WIN when you return to the starting point without dropping the ball.



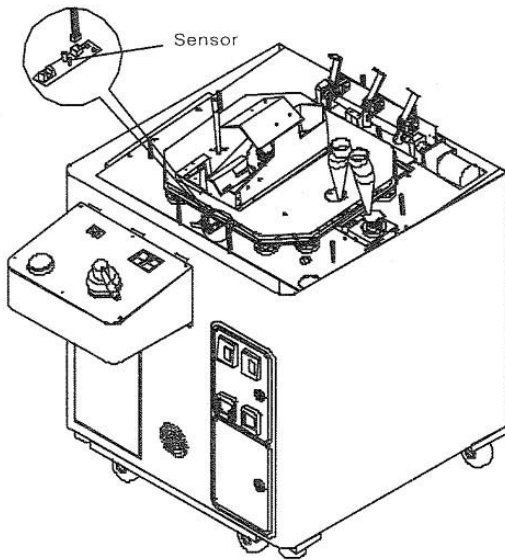
5. Take your ticket/s.

7. Troubleshooting

7-1. In Case of Occurring Error Description.

7-1-1. Error NO. " 01 "

7-1-1-1. When the train cannot stop at the starting point



Problem with sensor



Check if the connector is coupled to the sensor.



Check the sensor by test mode.

7-1-1-2. The train malfunctions

Problem with motor



Check if the connector is coupled to the motor.



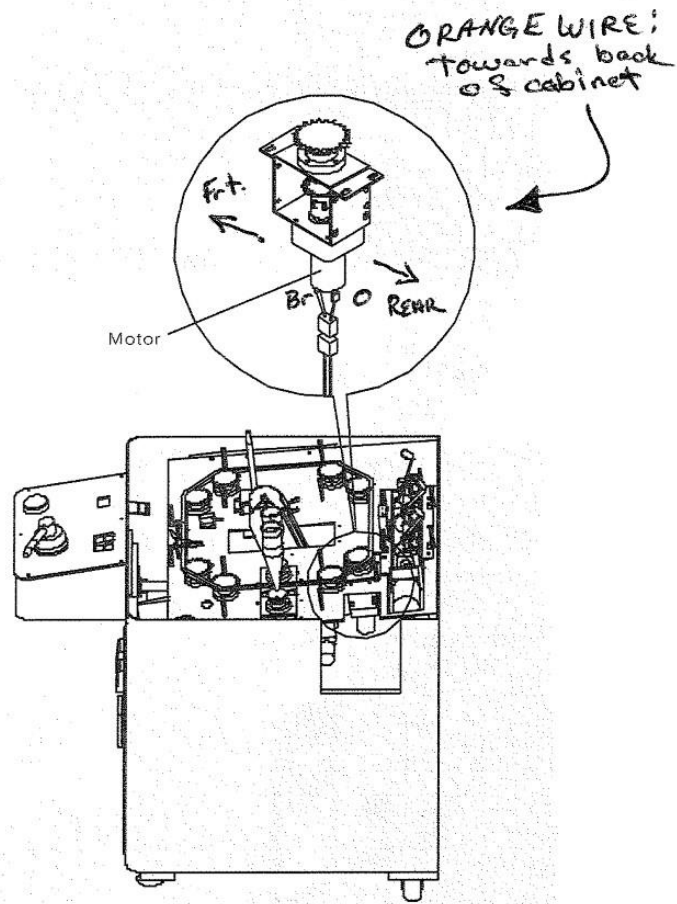
Check if wires are connected.



Check the bolts to make sure the motor is secure. If they are loose, tighten them using the tools supplied.



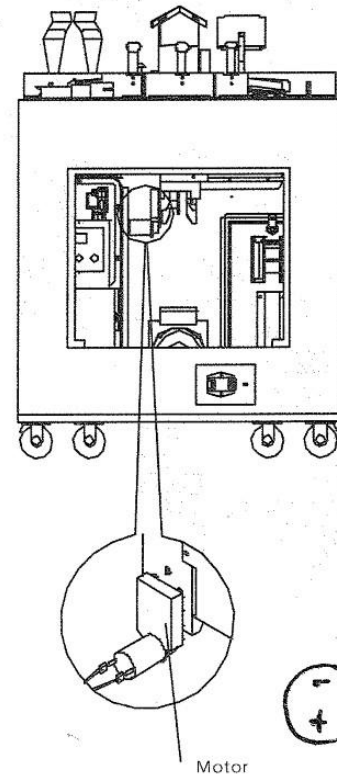
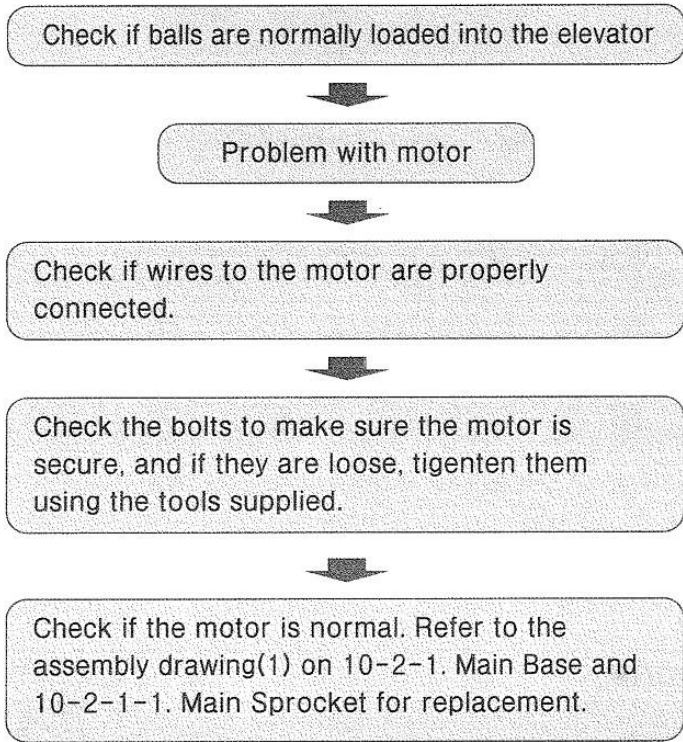
Check if the motor is normal. Refer to the assembly drawing(1) on 10-2-1. Main Base and 10-2-1-1. Main Sprocket for replacement.



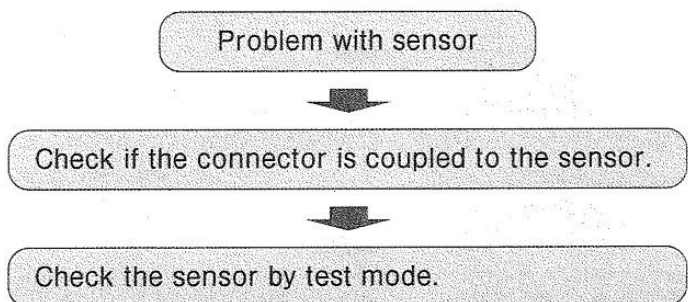
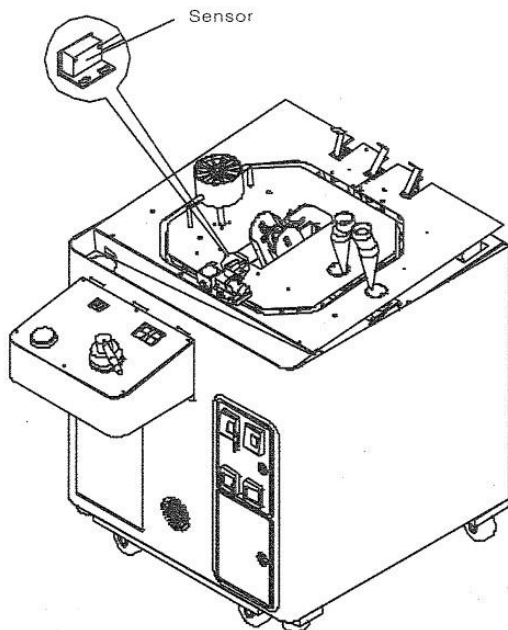
7. Troubleshooting

7-1-2. Error NO. " 02 "

7-1-2-1. When balls are not dispensed

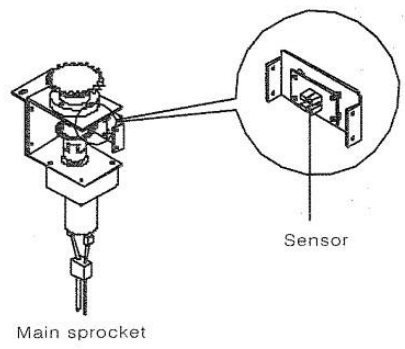
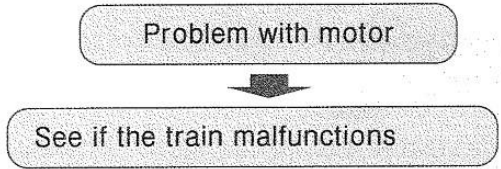


7-1-2-2. When balls continue to be dispensed



7. Troubleshooting

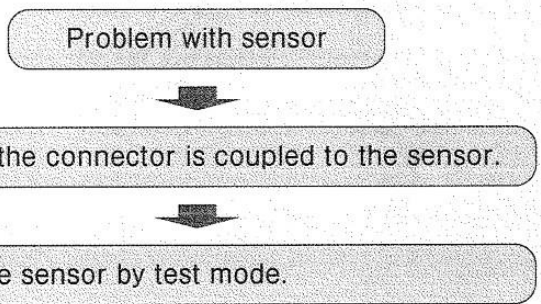
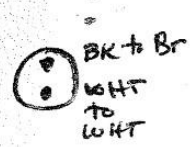
7-1-3. Error NO. " 03 "



Whirlwind or Tornado:



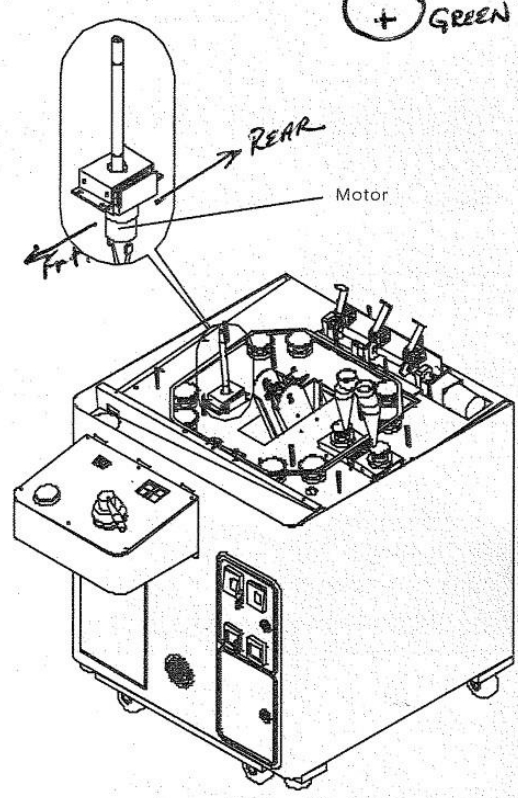
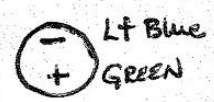
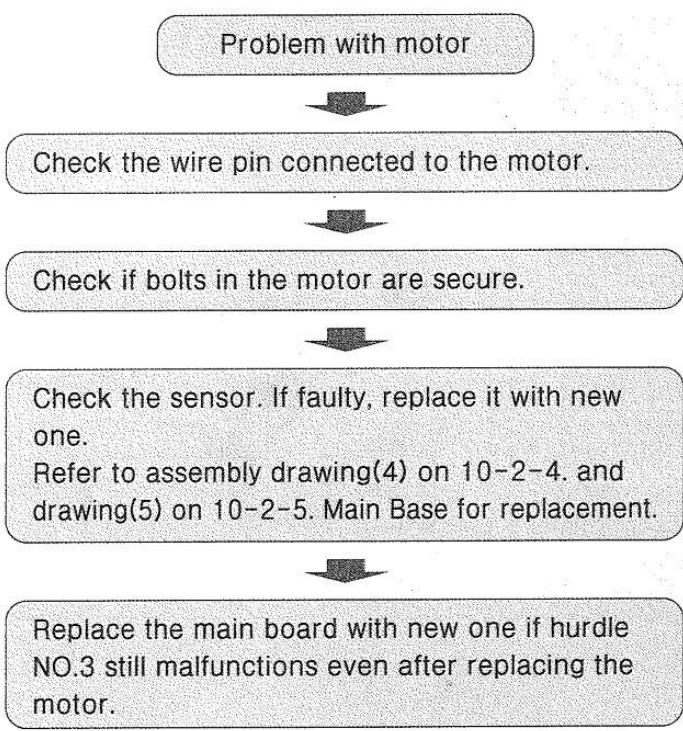
Rear targets:



7-1-4. Error NO. " 04 "

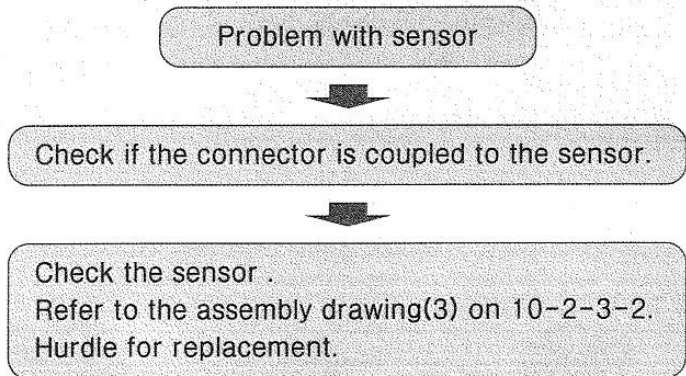
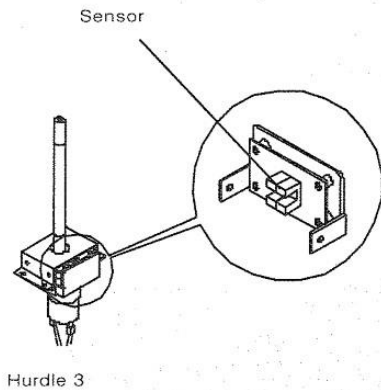
7-1-4-1. When hurdle NO. 3 malfunctions.

Water tower



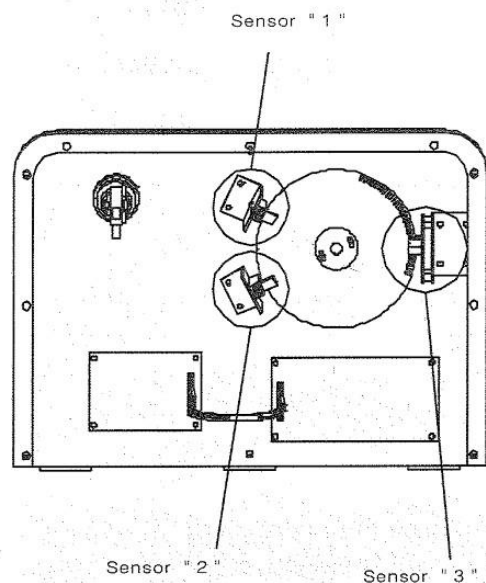
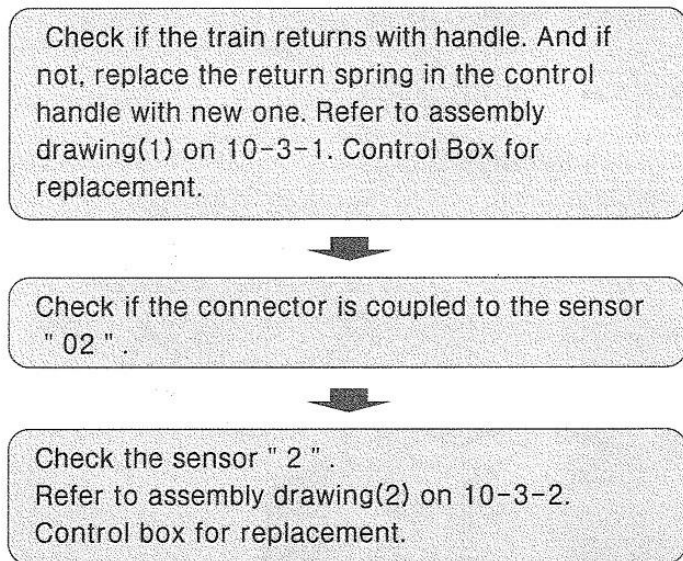
7. Troubleshooting

7-1-4-2. When hurdle NO. 3 functions



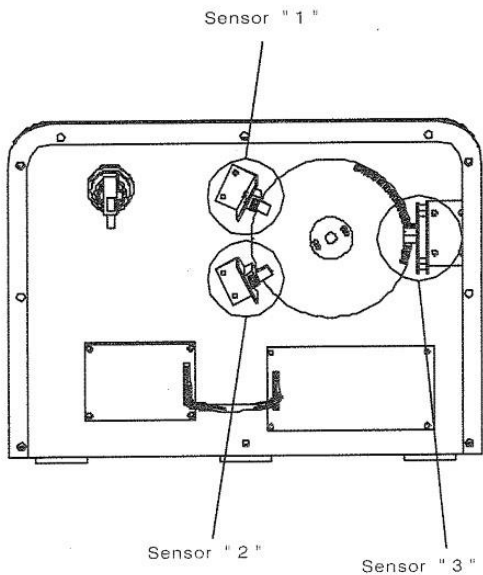
7-1-5. Error NO. " 05 "

7-1-5-1. When the train is operated without managing the handle



7. Troubleshooting

7-1-5-2. When the train is not operated by handle

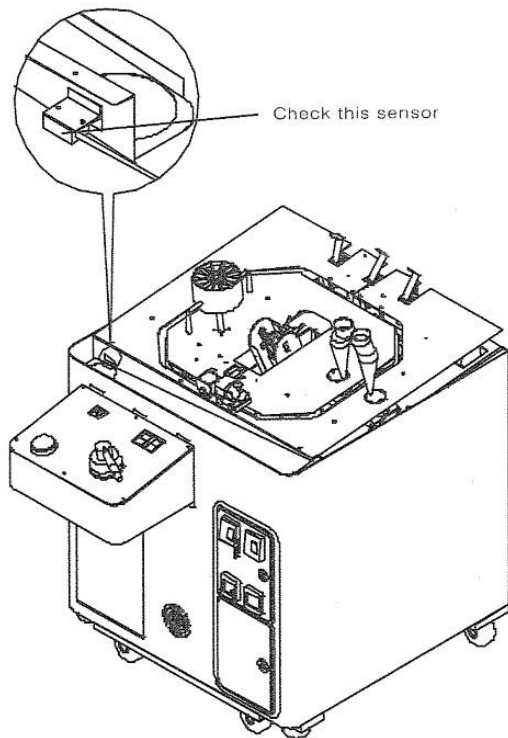


Check 7-1-1-2. When the train malfunctions



Check if the connector is coupled to the sensor, specially sensor NO.3

7-1-6. Error NO. " 06 "

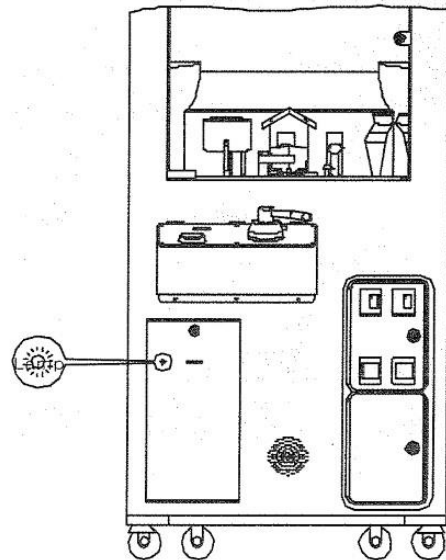


7. Troubleshooting

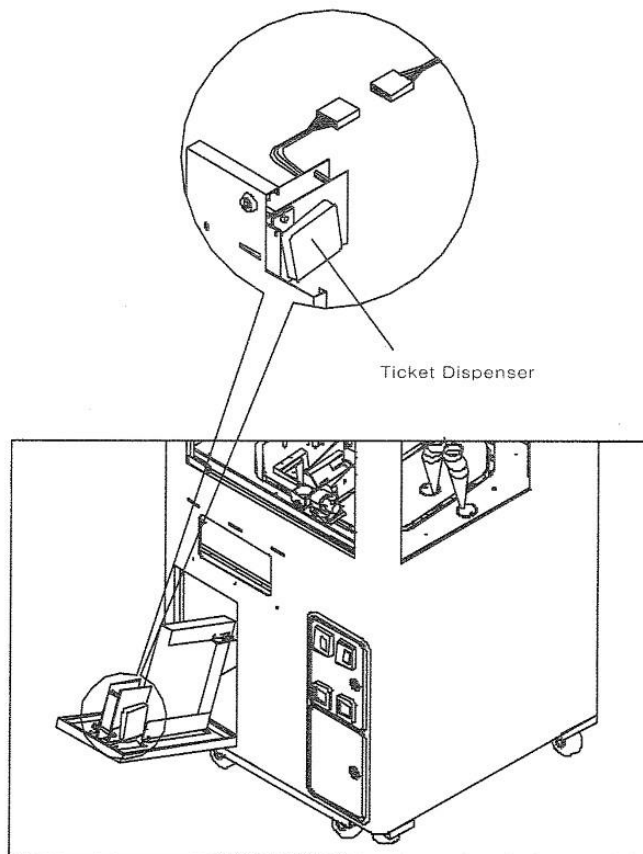
7-1-7. Error NO. " 07 "

7-1-7-1. When the lamp is ON and the game sounds "beep-beep"

Check if there are tickets in the ticket box.



7-1-7-2. When the lamp is ON and "beep-beep" sound stops



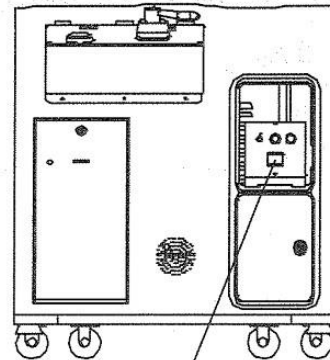
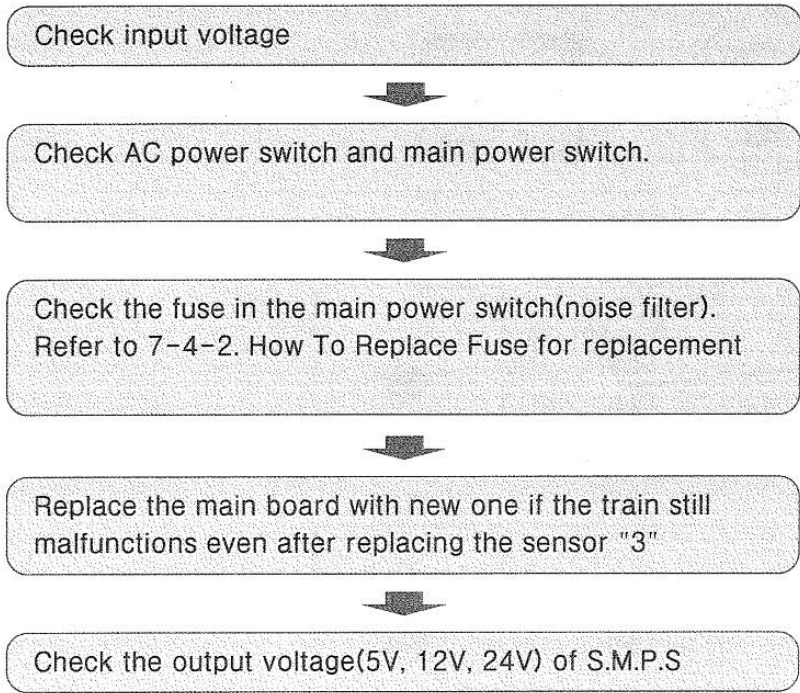
Check if there is a damaged ticket inside the ticket dispenser.



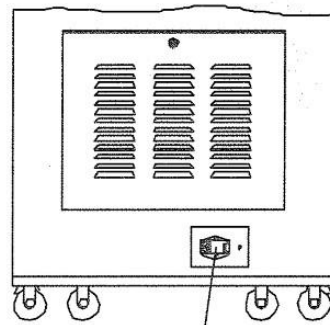
Check if the connector is coupled to the Ticket dispenser.

7. Troubleshooting

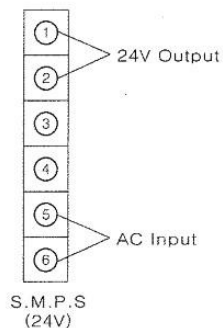
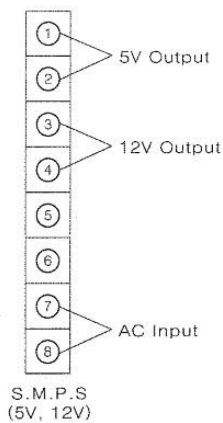
7-2. When game will not power up.



Main Power Switch

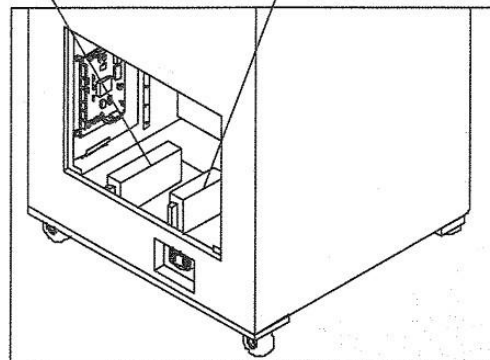


Main Power Switch (Noise Filter)



S.M.P.S (5V, 12V)

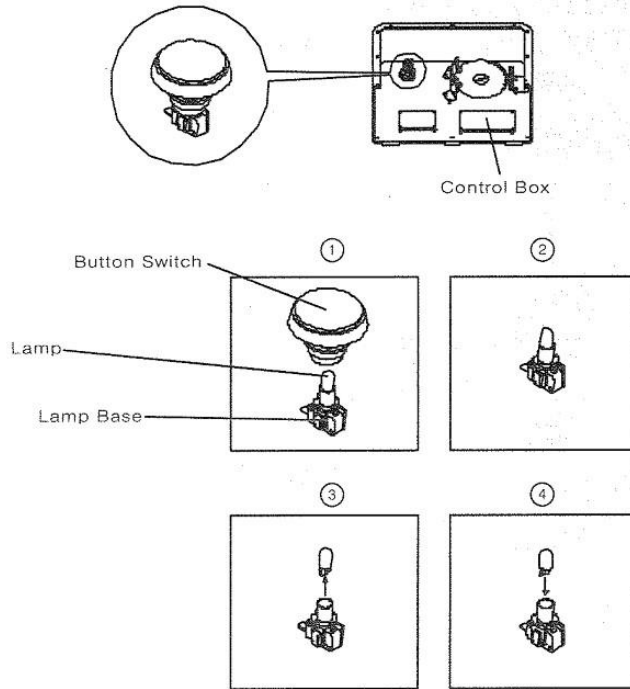
S.M.P.S (24V)



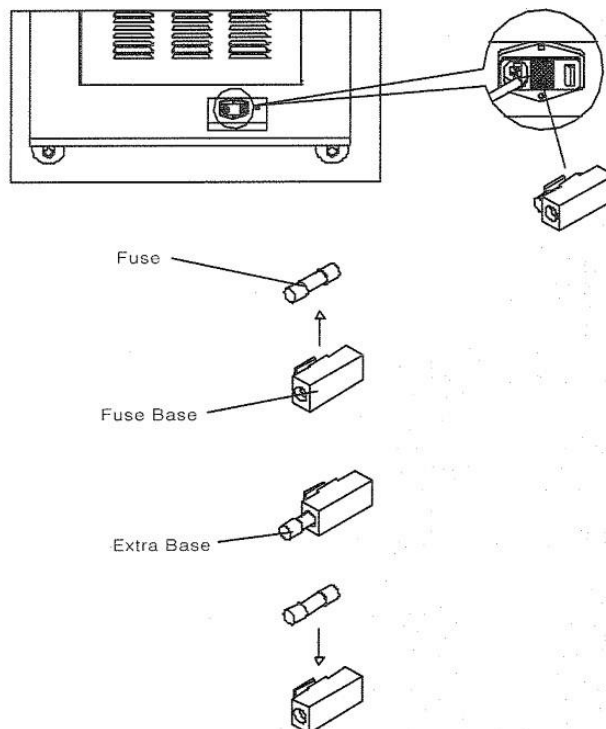
7. Troubleshooting

7-3. Parts of Replacement

7-3-1. Button switch Replacement



7-3-2. Fuse Replacement

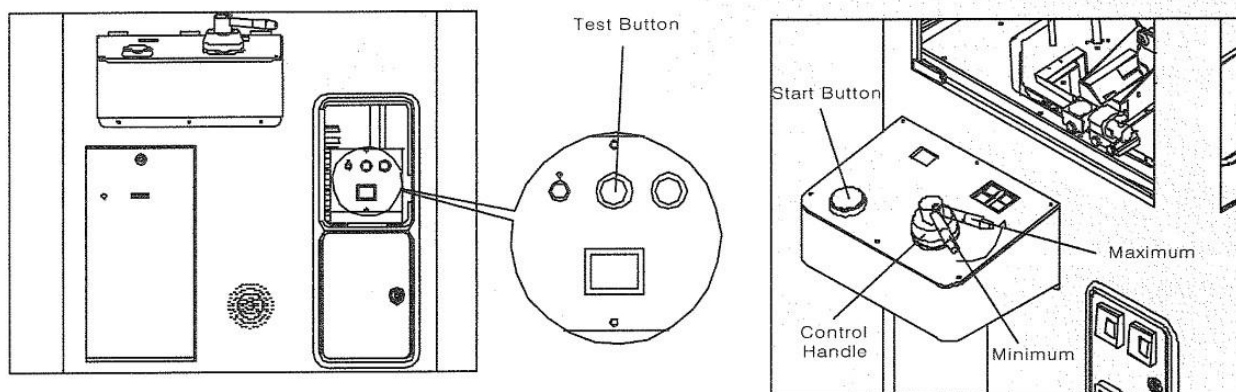


8. Test Mode & Error NO.

8-1. Test Mode

TEST MODE NO.	CONTENTS
0	TEST MODE IS FINISHED
1	SOUND TEST
2	TRAIN TEST
3	HURDLE MOTOR TEST
4	TICKET TEST & TICKET COUNTER TEST
5	AUTO TEST
6	HANDLE TEST
7	SENSOR & SWITCH TEST
8	COIN COUNTER TEST
9	TRAIN MOTOR ENCODER TEST
10	HURDLE 3 MOTOR ENCODER TEST
11	EEP ROM CLEAR

8-2. Test Method



- ① Press the test button
- ② Move to the desired test mode from 0 to 11 by the control handle.
(Move the control handle to the maximum position and test mode changes upward from 0 to 11.)
- ③ Press the start button after moving to the desired test mode.
 - NO.0
Test mode is finished.
 - NO.1
For sound test, check the sound from 1 to 18 using handle.
 - NO.2
For train test, test the train using handle when balls are loaded into the train.

8. Test Mode & Error NO.

8-2. Test Mode

-NO.3

Handle 1, 2, 3 are normally operated by handle mode test.

-NO.4

For ticket dispenser test and ticket counter test, a ticket is dispensed on the maximum position of the control handle and ticket counter is operated

-NO.5

Train, handle, Elevator and motor are automatically tested by auto test.

-NO.6

For handle test, move the handle from 0 to 18 and the train speed is indicated on FND in figures.

-NO.7

For sensor and switch test, the state of sensor and switch is indicated on FND in NO. Refer to the following table for sensor and switch no.

NO.	ITEM	NO.	ITEM
1	START BUTTON	8	SUCCESS SENSOR
2	TEST BUTTON	9	TICKET EMPTY SWITCH
3	SERVICE BUTTON	10	TICKET CHECK SENSOR
4	COIN 1 SWITCH	11	
5	COIN 2 SWITCH	12	HANDLE MAXIMUM SENSOR
6	BALL LOAD SENSOR	13	HANDLE MINIMUM SENSOR
7	BALL OUT SENSOR	14	TRAIN START POSITION SENSOR

-NO.8

For coin counter test, if the switch on the coin machine is sensed, coin counter is operated.

-NO.9

When the train is operated by handle through train motor encoder test, the train speed value is indicated on Time FND. (The lower, the faster)

-No. 10

The hurdle 3 motor speed value is indicated on Time FND through hurdle 3 motor encoder test. (average: 24~28)

-No. 11

Accumulated probability is cleared by EPP ROM CLEAR.

ERROR NO.	DESCRIPTION
1	TRAIN MOTOR ERROR OR SENSOR ERROR OF TRAIN START POSITION
2	BALL LOAD MOTOR ERROR OR SENSOR ERROR OF BALL LOAD CHECK
3	OVER LOAD ERROR OR SENSOR ERROR OF TRAIN ENCODER
4	HURDLE 3 MOTOR ERROR OR SENSOR ERROR OF HURDLE 3 ENCODER
5	SENSOR ERROR OF HANDLE ENCODER
6	ERROR OF THE BALL DROPPING CHECK SENSOR
7	TICKET ERROR

9. Dip Switch Manual

9-1. Dip Switch 1

Description	DIP 1	1	2	3	4
Coin	* 1 Coin 1 Credit	OFF	OFF		
	2 Coin 1 Credit	ON	OFF		
	1 Coin 2 Credit	OFF	ON		
	Free Play	ON	ON		
Game Time	15 SEC			OFF	OFF
	20 SEC			ON	OFF
	* 25 SEC			OFF	ON
	30 SEC			ON	ON

Same as Plus

*Audie wobble!
= If off =
(Sometimes!)*

9-2. Dip Switch 2

DESCRIPTION	DIP 2	1	2	3	4	5	6	7	8
COIN	* COIN ACCUMULATION ON	OFF	OFF						
	COIN ACCUMULATION OFF	ON	ON						
TICKET EMPTY	* SOUND ON		OFF						
	SOUND OFF		ON						
GAME TIME	DEMO SOUND ON			OFF					
	* DEMO SOUND OFF			ON					
	2ND HURDLE ON				OFF				
	* 2ND HURDLE OFF				ON				
MODE SELECTION	* ACTIVATE[A] MODE								
	DEACTIVATE[A] MODE								
	* ACTIVATE[B] MODE								
	DEACTIVATE[B] MODE								
PROBABILITY	1/2							OFF	OFF
	* 1/6							ON	OFF
	1/7							OFF	ON
	1/10							ON	ON

WT2

9-3. Dip Switch 3

DESCRIPTION	DIP 3	1	2
TICKET			
TIME LEFTX 1		OFF	OFF
* TIME LEFTX 2		ON	OFF
TIME LEFTX 3		OFF	ON
TIME LEFTX 4		ON	ON
TIME LEFTX 5		OFF	OFF
TIME LEFTX 6		ON	OFF
TIME LEFTX 7		OFF	ON
TIME LEFTX 8		ON	ON
TIME LEFTX 9		OFF	OFF
TIME LEFTX 10		ON	OFF
TIME LEFTX 11		OFF	ON
TIME LEFTX 12		ON	ON
TIME LEFTX 13		OFF	OFF
TIME LEFTX 14		ON	OFF
TIME LEFTX 15		OFF	ON
TIME LEFTX 16		ON	ON
0 TICKET			
1 TICKET			
* 2 TICKET			
3 TICKET			
4 TICKET			
5 TICKET			
6 TICKET			
7 TICKET			
PROBABILITY SELECTION	* ACTIVATE PROBABILITY		
	DEACTIVATE PROBABILITY		

*WESTERN TRAIN
Check board there is alot
of feed back.*

*Mentor, Oh. #743
CAP# 027006*

*TICKET OUT FOR
SUCCESS
([A] MODE)*

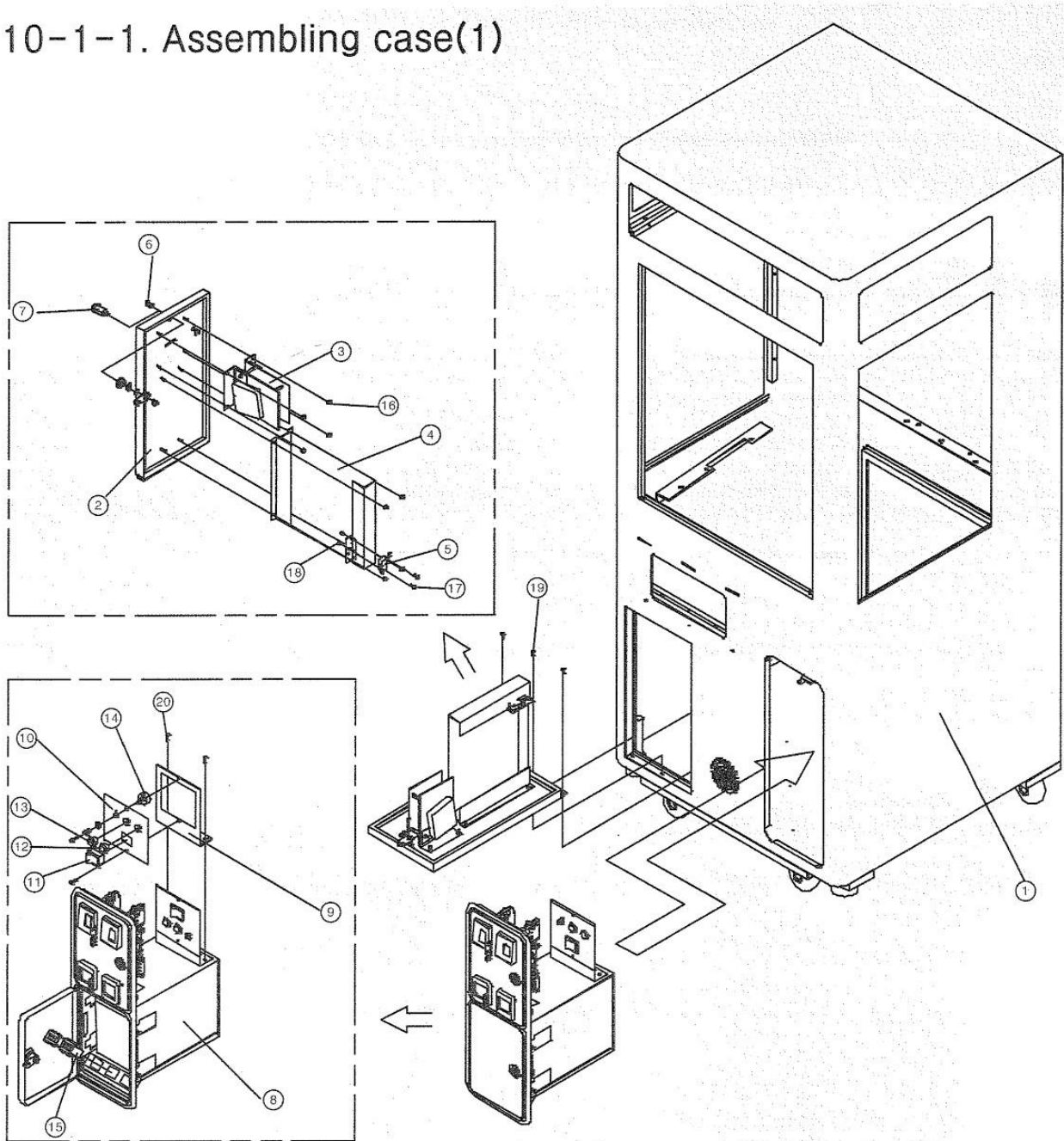
*TICKET OUT FOR
REGARDLESS SUCCESS
OR FAILURE
([B] MODE)*

* is factory default setup

10. Assembly drawing & parts list

10-1. Assembling case

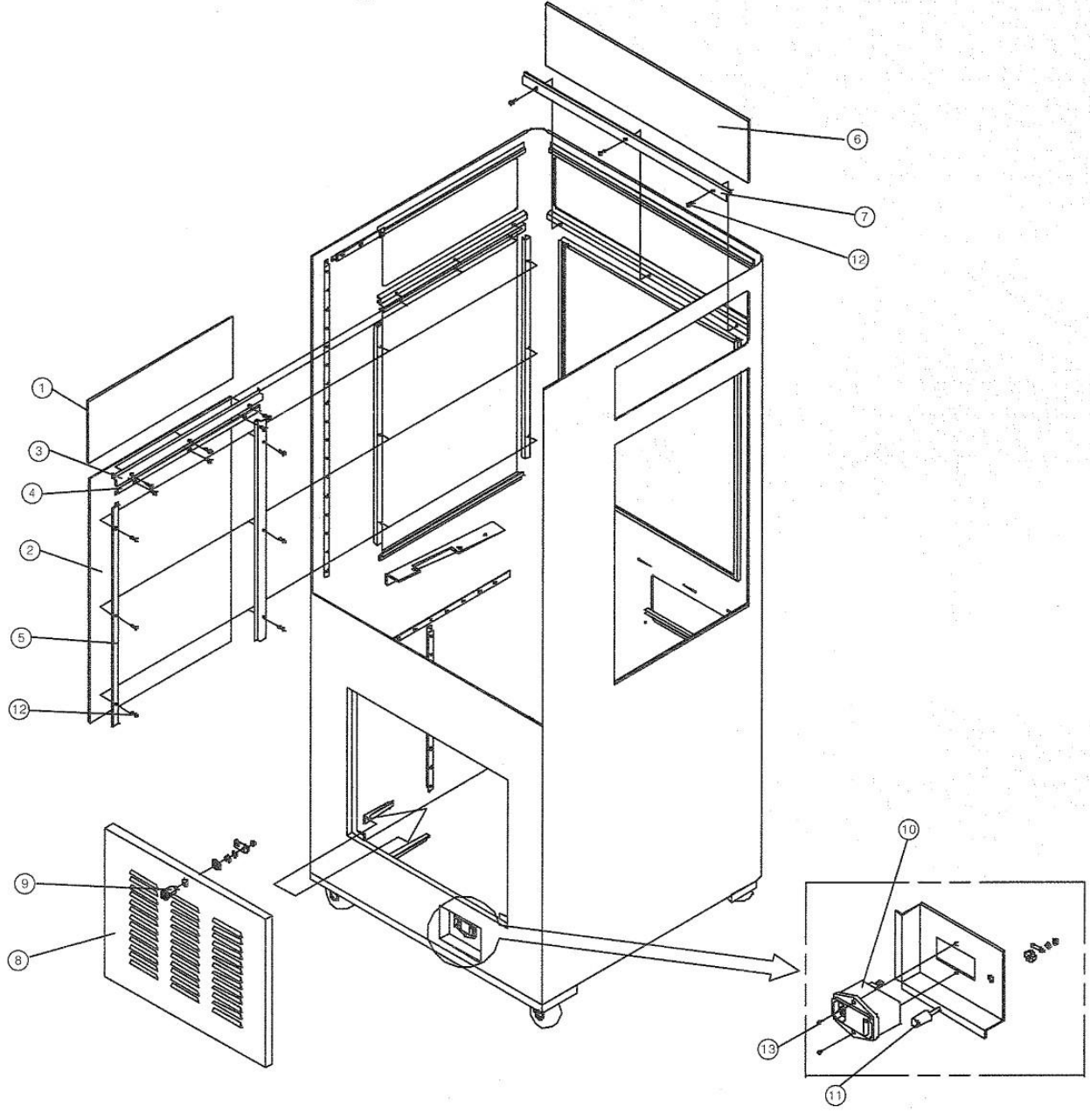
10-1-1. Assembling case(1)



NO.	NAME	SPEC	Q' TY	CODE NO.	NO.	NAME	SPEC	Q' TY	CODE NO.
1	CABINET		1	MWETOMEP127	11	ROCKER SWITCH	T-120 4P	1	MELEOSWI004
2	TICKET DOOR		1	MWETOMEP117	12	PUSH BUTTON SWITCH	412R	1	MELEOPUS001
3	TICKET DISPENSER	DL-1275(USA)	1	MMALOTID001	13	PUSH BUTTON SWITCH	412W	1	MELEOPUS002
4	TICKET CASE		1	MWETOMEP116	14	VOLUME	BA25Y-500Ω	1	MELEOVOL003
5	MICRO SWITCH-L	SZM-V16-4FA-61	1	MELEOMIC009	15	COUNTER	AMMC-612	2	MZZZOCOU001
6	DISPLAY-LED		1	PDISOLED008	16	FLANGE NUT	M4	8	
7	KEY ASS'Y		1	MZZOKEY012	17	PH	M3X10	2	
8	COIN DOOR ASS'Y		1	AZZZOCOD006	18	HEXAGON NUT	M3	2	
9	AC POWER SWITCH BRACKET		1	MWET1MEP063	19	FLAT HEAD CAP SCREW	M4X10	3	
10	AC POWER SWITCH PLATE		1	MWET1MEP062	20	SEMS	M4X10	4	

10. Assembly drawing & parts list

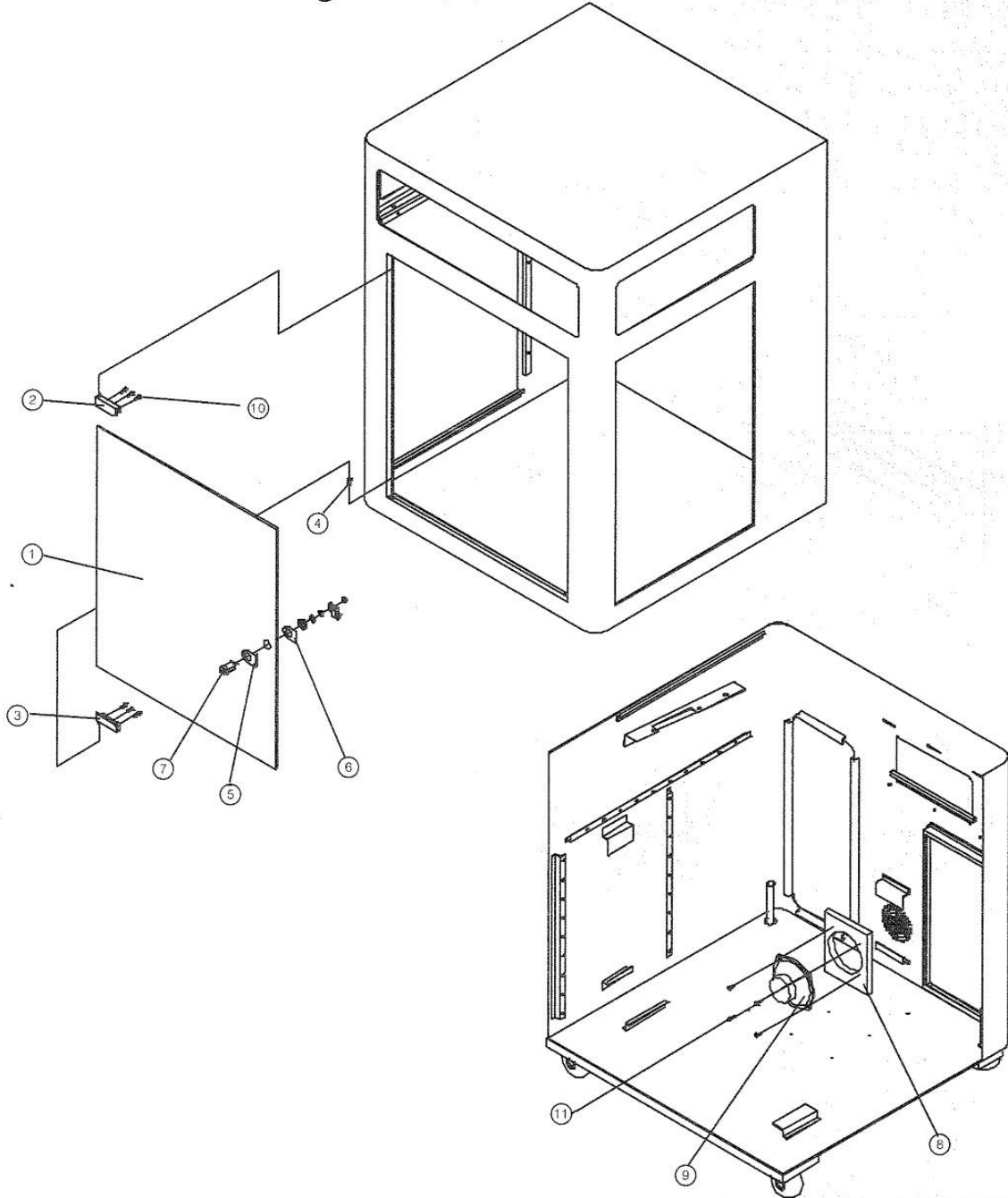
10-1-2. Assembling case(2)



NO.	NAME	SPEC	Q' TY	CODE NO.	NO.	NAME	SPEC	Q' TY	CODE NO.
1	SIDE BILLBOARD		2	MWETOACR008	8	REAR DOOR		1	MWETOMEPO80
2	SIDE GLASS		2	MWETOGLA003	9	KEY ASS ' Y		1	MZZOKEY012
3	SIDE BILLBOARD ACRYL BRACKET		2	MWETOMEPI02	10	NOISE FILTER	ID-0642-H2	1	MELEONOIO02
4	SIDE GLASS BRACKET-B		2	MWETOMEPI04	11	EARTH		1	MELEOEAR001
5	SIDE GLASS BRACKET-A		4	MWETOMEPI03	12	SEMS	M4X10	27	
6	FRONT BILLBOARD ACRYL		1	MWETOACR007	13	PH	M3X12	2	
7	FRONT BILLBOARD ACRYL BRACKET		1	MWETOMEPI07					

10.Assembly drawing & parts list

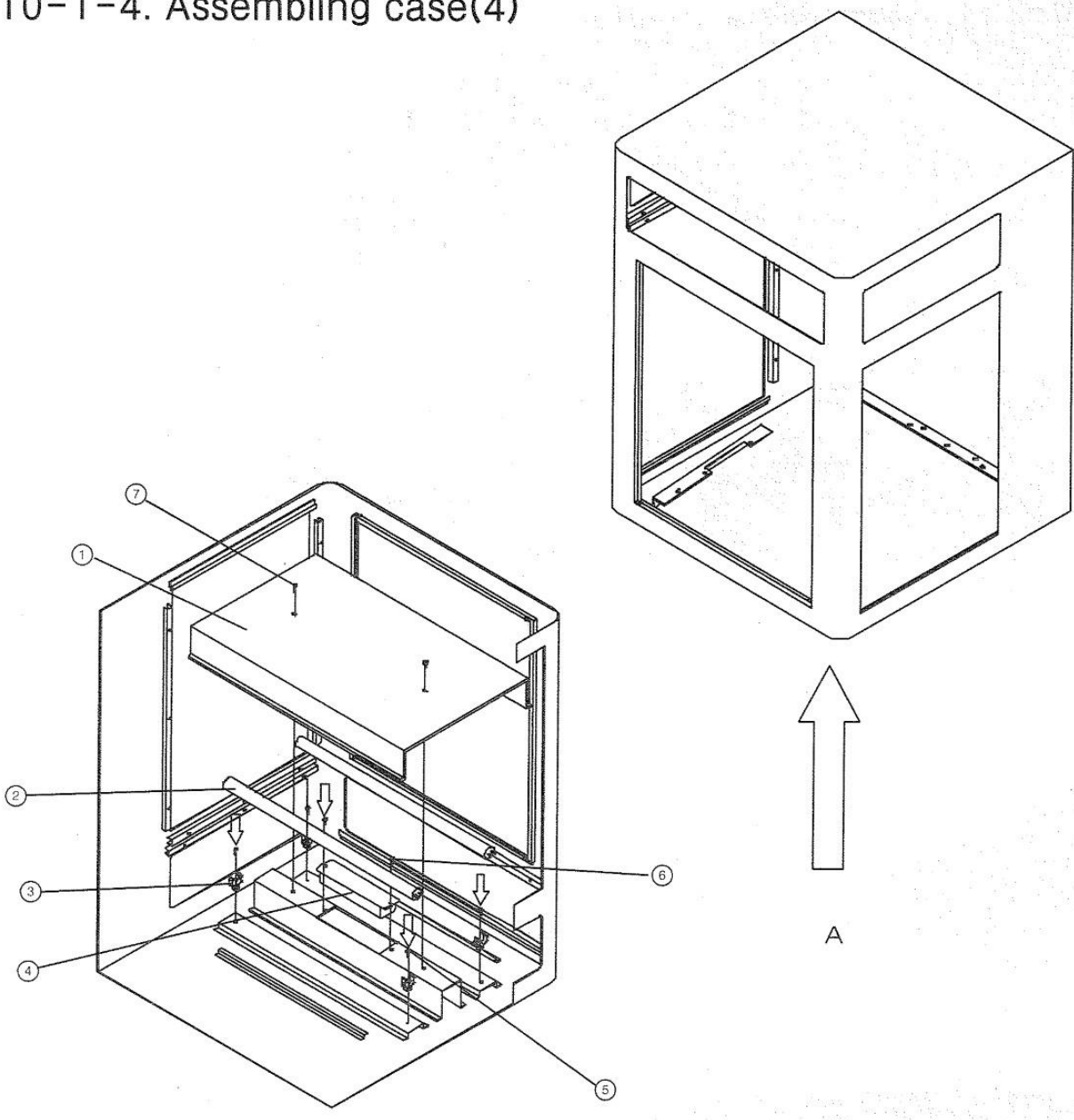
10-1-3. Assembling case(3)



NO.	NAME	SPEC	QTY	CODE NO.	NO.	NAME	SPEC	QTY	CODE NO.
1	FRONT GLASS DOOR		1	MWETOGLA001	7	KEY ASS 'Y		1	MZZZOKEY012
2	FRONT DOOR HINGE-A		1	MWETOMEP114	8	MDF SPEAKER		1	MWETWOO002
3	FRONT DOOR HINGE-B		1	MWETOMEP115	9	SPEAKER	5"	1	MZZZOSPE001
4	FRONT DOOR HINGE BUSHING		1	MWETOPRO014	10	SEMS	M4X10	6	
5	FRONT DOORKEYPLATE-A		1	MWET1MEP023	11	TH	M4X12	4	
6	FRONT DOORKEYPLATE-B		1	MWET1MEP024	12				

10.Assembly drawing & parts list

10-1-4. Assembling case(4)



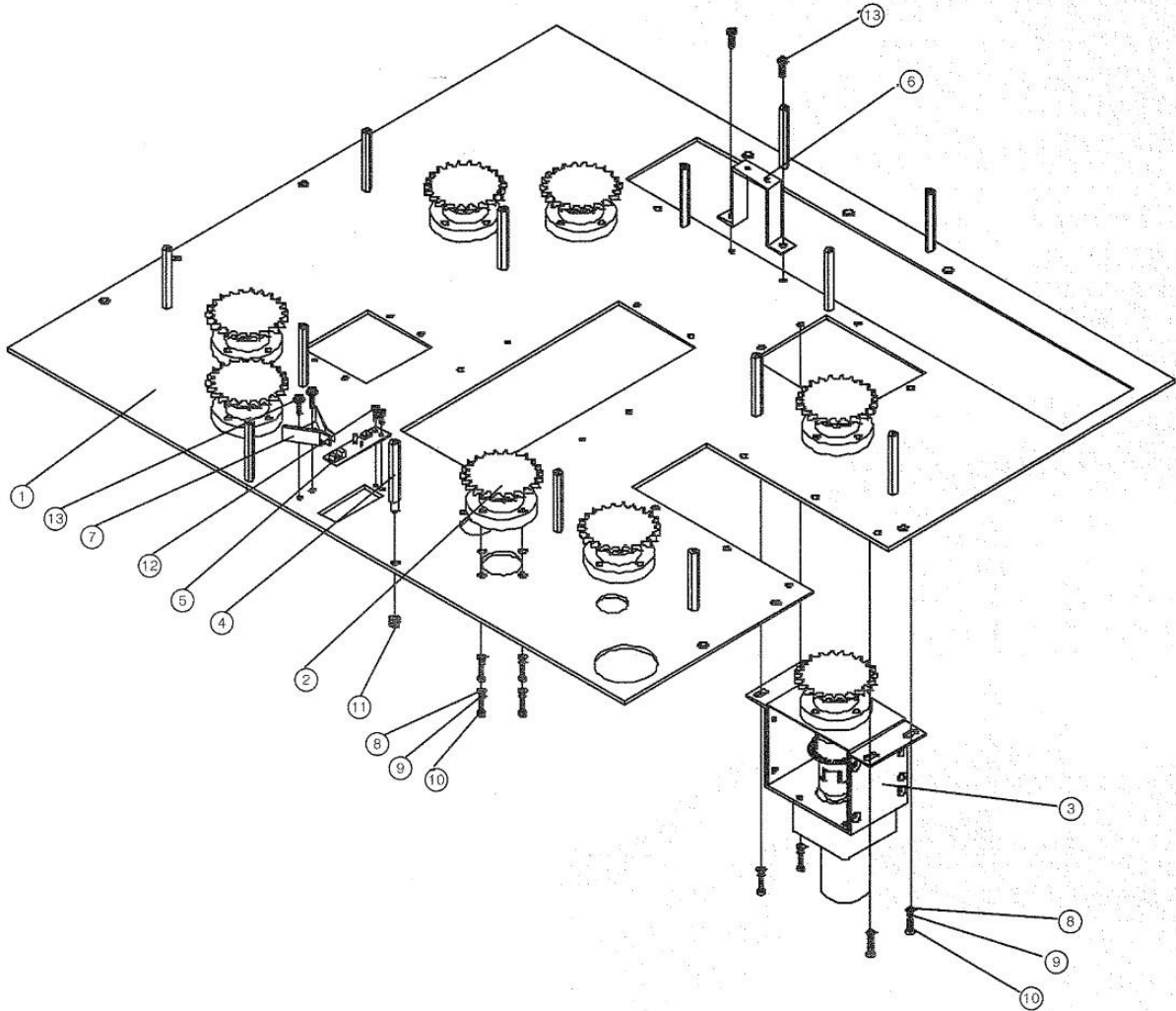
View - A

NO.	NAME	SPEC	Q' TY	CODE NO.	NO.	NAME	SPEC	Q' TY	CODE NO.
1	LAMP COVER ACRYL		1	MWETOACR009	7	SEMS	M4X16	2	
2	LAMP	20W-110V	2	MELEOLAM015					
3	LAMP RING		4	MWETOPRO007					
4	ELECTRONIC BALLAST	20W-110V(2)	1	1MELEOBAL004					
5	SEMS	M4x10	4						
6	PH	M4x10	2						

10. Assembly drawing & parts list

10-2. Assembling Main Base

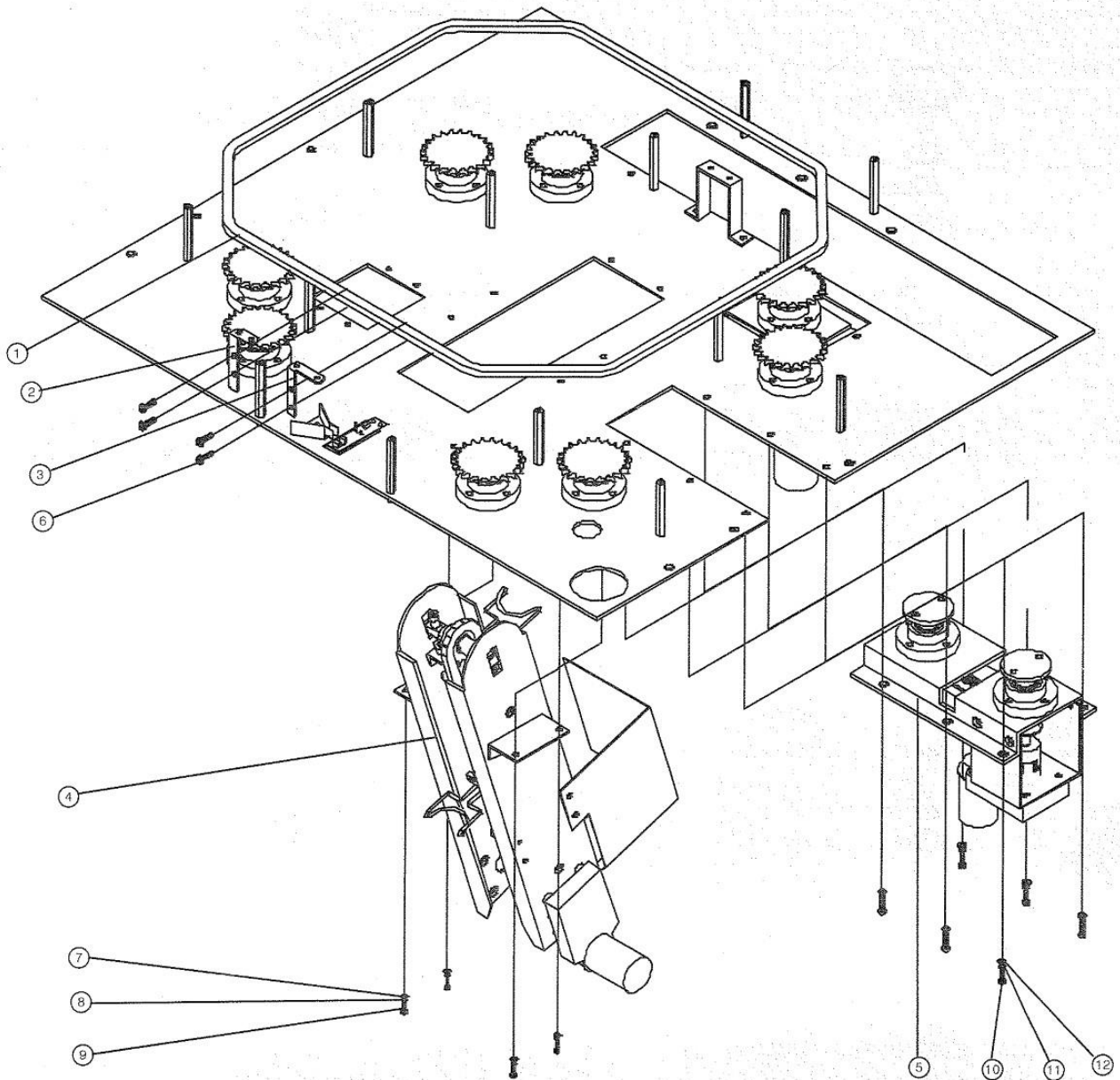
10-2-1. Assembling Main Base(1)



NO.	NAME	SPEC	Q' TY	CODE NO.	NO.	NAME	SPEC	Q' TY	CODE NO.
1	MAIN BASE		1	MWET1MEP004	11	FLANGE NUT	M5	14	
2	MAIN SPROCKET-ASS'Y		7	AWETOPRO009	12	SEMS	M3X6	2	
3	MAIN CHAIN MOTOR ASS'Y		1	AWETOMEP012	13	SEMS	M4X10	4	
4	MAIN SPACE SHAFT		14	MOUBOPRO029	14				
5	SENSOR PCB		1	AWET1PCB005	15				
6	RAIL JOIN BRACKET		1	MWETOMEP096	16				
7	SENSOR GUIDE BRACKET		1	MWETOMEP092	17				
8	PLATE WASHER		32		18				
9	SPIRING WASHER		32		19				
10	HEXAGON SOCKET HEAD CAPS CREW		32		20				

10. Assembly drawing & parts list

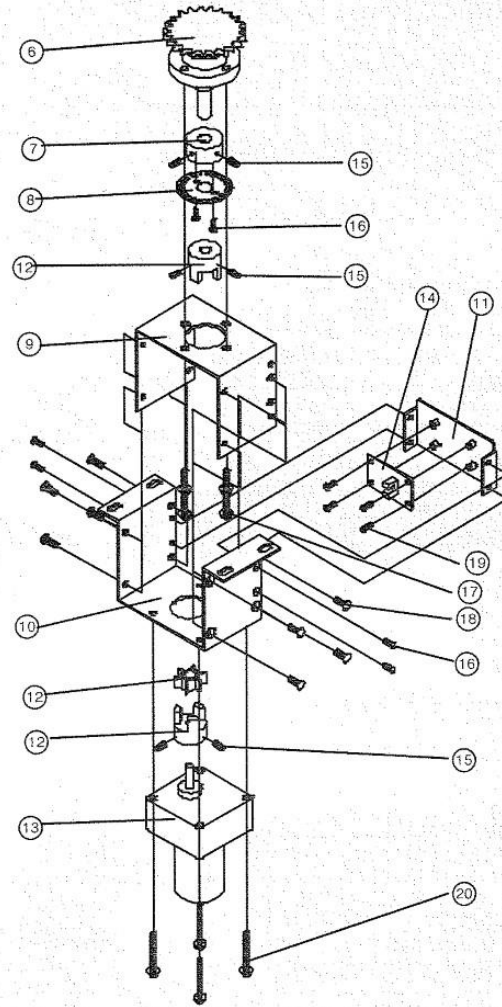
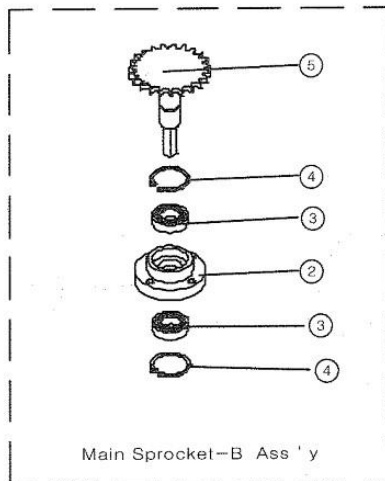
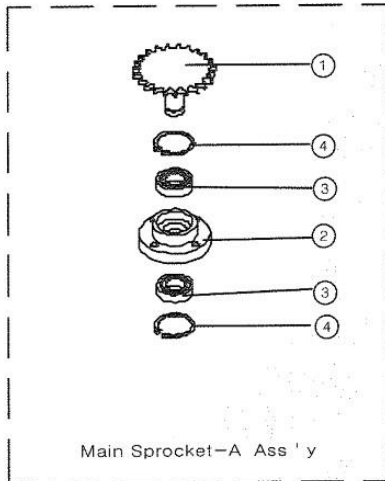
10-2-2. Assembling Main Base(2)



NO.	NAME	SPEC	Q'TY	CODE NO.	NO.	NAME	SPEC	Q'TY	CODE NO.
1	MAIN CHAIN	RS35-170L	1	MWETOCHA001	11	SPRING WHSHER	φ5	6	
2	GOODS WAGON FIXING ATTCH		1	AWETOPRO009	12	PLATE WASHER	φ5	6	
3	TRAIN FIXING ATTACH		1	MWETOMEP006	13				
4	ELEVATOR ASS'Y		1	AWETOMEP013	14				
5	HURDLE 1 ASS'Y		1	AWET1MEP015	15				
6	PH	M4X10	4		16				
7	PLATE WASHER	φ4	4		17				
8	SPRING WASHER	φ4	4		18				
9	HEXAGON SOCKET HEAD CAPSCREW	M4X16	4		19				
10	HEXAGON SOCKET HEAD CAPSCREW	M5X16	6		20				

10. Assembly drawing & parts list

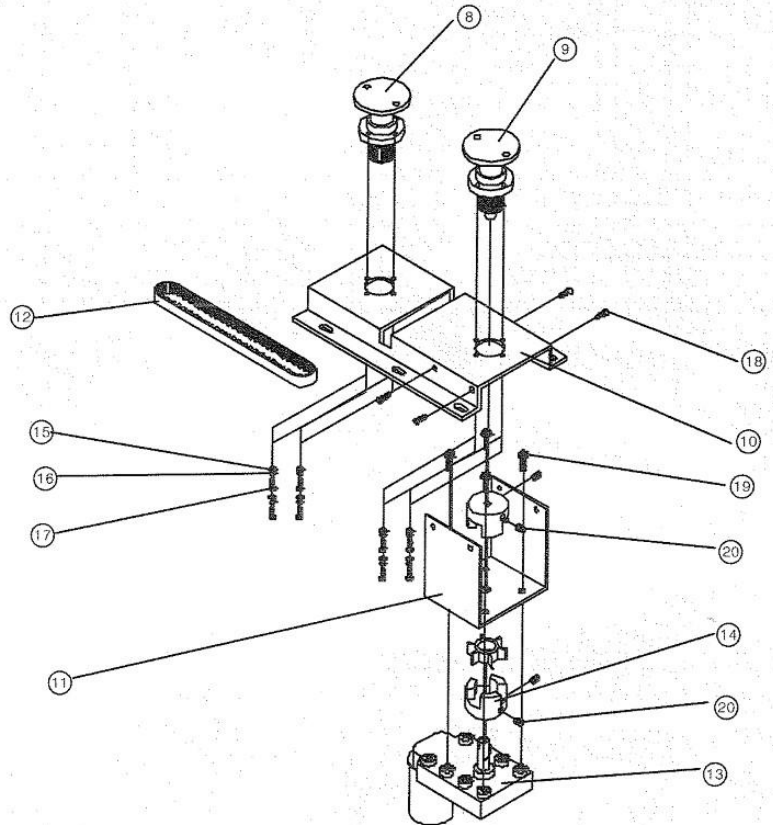
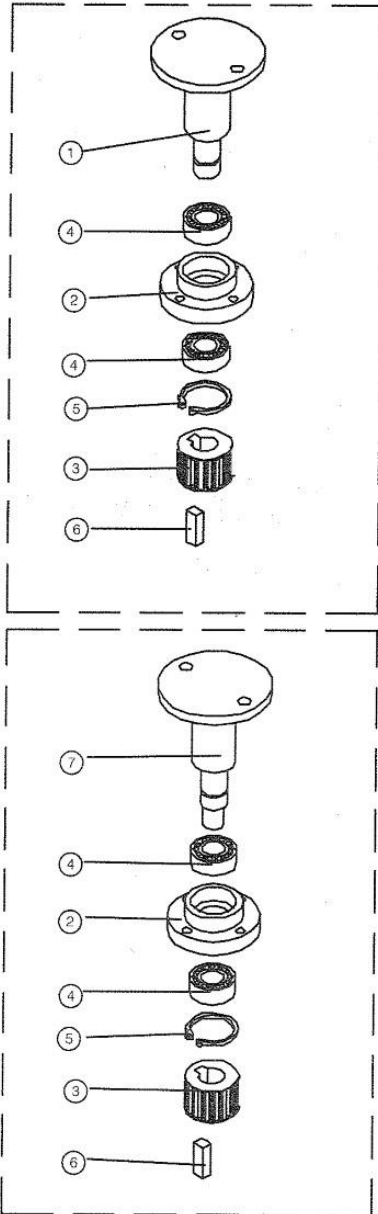
10-2-1-1. Assembling sprocket



NO.	NAME	SPEC	QTY	CODE NO.	NO.	NAME	SPEC	QTY	CODE NO.
1	MAIN SPROCKET-A		1	MWETOPRO002	11	MAIN CHAIN MOTOR SENSOR BRACKET		1	MWETOMEPI120
2	BEARING HOUSING		2	MOUBOPRO028	12	MAIN CHAIN MOTOR COUPLING	CR050	1	MWETOPRO015
3	BALL BEARING	6902Z	4	MZZZBEA002	13	MOTOR	DME37136H-PB(24V)	1	MWETOMOT006
4	C TYPE SNAP RING	SHAFT TYPE 05	4	MRESOMEPI130	14	ENCODER SENSOR PCB 2 ASS'Y		1	AWETOPCB007
5	MAIN SPROCKET-B		1	MWETOPRO004	15	SET SCREW	M4X6	6	
6	MAIN SPROCKET-B ASS'Y		1	AWETOPRO010	16	FLAT HEAD CAP SCREW	M3X6	6	
7	MAIN CHAIN MOTOR ENCODER SHAFT		1	MWETOMEPI116	17	SEMS	M4X10	4	
8	ENCODER		1	MWETOMEPI119	18	FLAT HEAD CAP SCREW	M4X8	8	
9	BEARING HOUSING BRACKET		1	MWETOMEPI118	19	SEMS	M3X6	4	
10	MAIN CHAIN MOTOR BRACKET		1	MWET1MEP027	20	PH	M4X35	4	

10. Assembly drawing & parts list

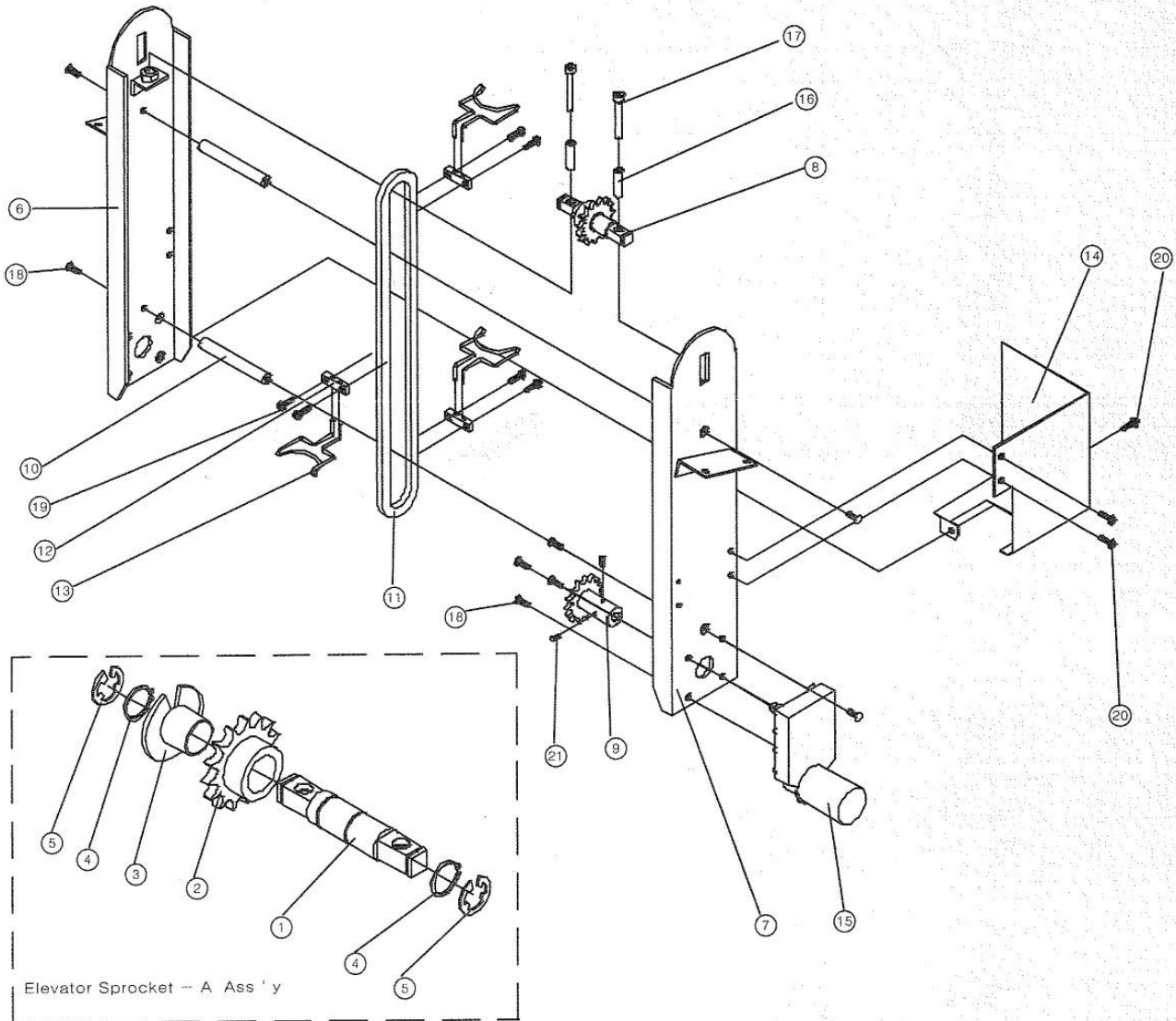
10-2-2-2. Assembling Hurdle 1



NO.	NAME	SPEC	Q' TY	CODE NO.	NO.	NAME	SPEC	Q' TY	CODE NO.
1	HURDLE 1 SHAFT-A		1	MOUBOPRO032	11	HURDLE 1 MOTOR BRACKET		1	MWETOMEP016
2	BEARING HOUSING		2	MOUBOPRO028	12	TIMMING BELT	120XL 9.5T	1	MWETOBEL001
3	TIMMING BELT PULLEY	XL037	2	MWETOPRO006	13	MOTOR	KGE-050-3448A	1	MWETMOT005
4	BALL BEARING	6902Z	4	MZZOBEA002	14	COUPLING	CR050	1	MRESOPRO002
5	C TYPE SNAP RING	φ 15	2	MRESOMEP130	15	PLATE WASHER	φ 5	8	
6	SUNK KEY	4X4X14	2	MZZZOPRO004	16	SPRING WASHER	φ 5	8	
7	HURDLE 1 SHAFT-B		1	MOUBOPRO033	17	HEXAGON SOCKET HEAD CAPSCREW	M5X16	8	
8	HURDLE 1 SHAFT-A ASS'Y		1	AWET1PRO003	18	FLAT HEAD CAP SCREW	M4X8	4	
9	HURDLE 1 SHAFT-B ASS'Y		1	AWET1PRO004	19	SMES	M4X10	4	
10	HURDLE 1 BEARING HOUSING BRACKET		1	MWETOMEP015	20	SET SCREW	M4X6	4	

10. Assembly drawing & parts list

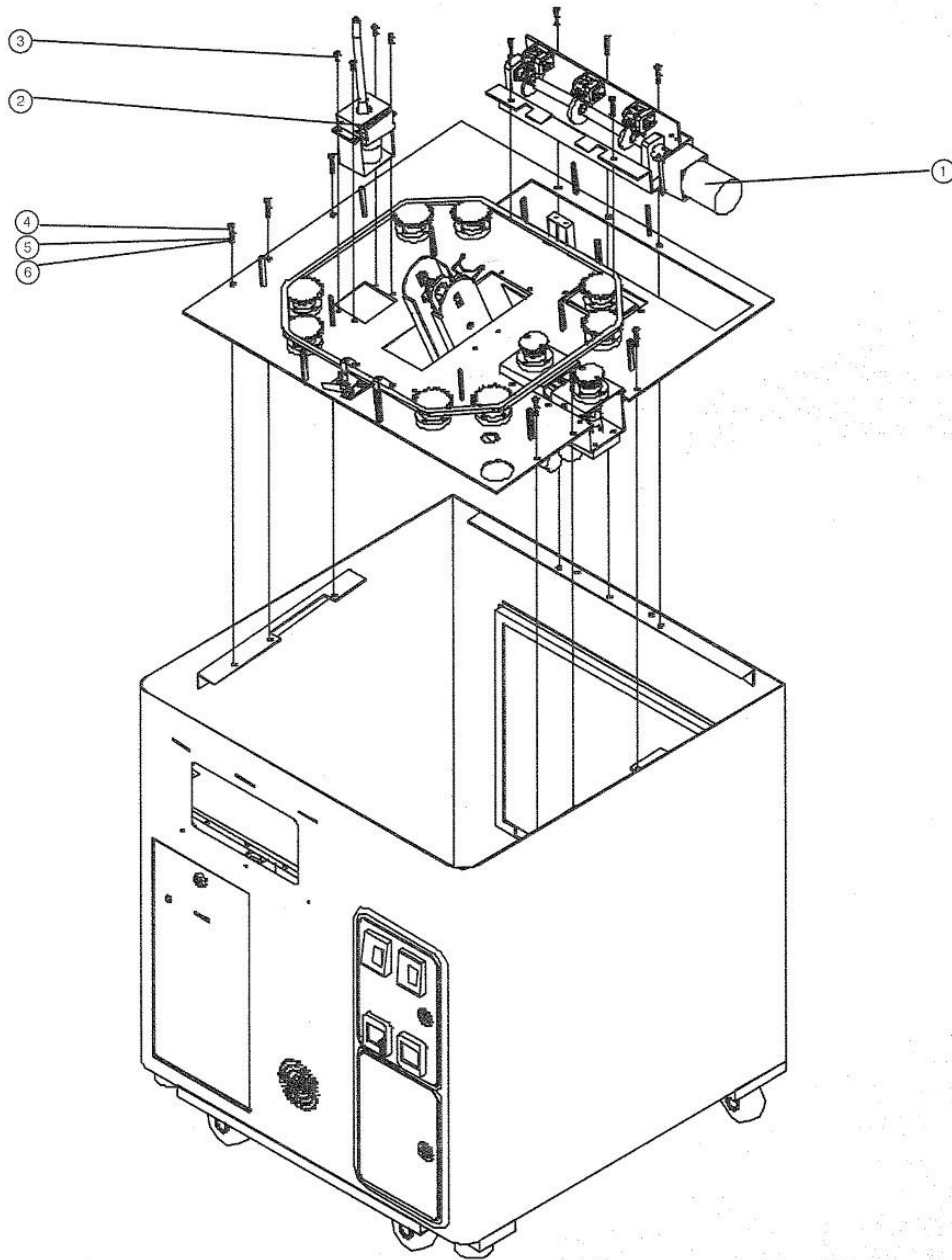
10-2-2-1. Assembling Elevator



NO.	NAME	SPEC	QTY	CODE NO.	NO.	NAME	SPEC	QTY	CODE NO.
1	ELEVATOR SPROCKET-A-SHAFT		1	MOUBOPRO031	12	ELEVATOR SPRING BRACKET		3	MWETOPRO005
2	ELEVATOR SPROCKET-A	RS35-15T	1	MWETOPRO001	13	ELEVATOR SPRING		3	MWETOPRO006
3	DU BUSHING	MB1515-23F	1	MZZZBEA022	14	BALL STOPPING BRACKET		1	MWETOMEP014
4	C TYPE SNAP RING	SHAFT TYPE \varnothing 15	2	MRESOMEP130	15	MOTOR	KGE-116-344BA	1	MWETOMOT002
5	E TYPE SNAP RING	\varnothing 9	2	MRESOMEP126	16	ELEVATOR TENSION SPRING		2	MWETOSPR001
6	ELEVATOR BRACKER-A		1	MWETOMEP083	17	HEXAGON SOCKET HEAD CAPSCREW	M5X40	2	
7	ELEVATOR BRACKER-B		1	MWETOMEP012	18	FLAT HEAD CAP SCREW	M4X8	8	
8	ELEVATOR SPROCKET-A ASS'Y		1	AWET1MEP007	19	PH	M4X10	6	
9	ELEVATOR SPROCKET-B	RS35-15T	1	MWETOPRO003	20	SMES	M4X10	3	
10	ELEVATOR BRACKET SPACE		2	MOUBOPRO034	21	SET SCREW	M4X6	2	
11	ELEVATOR CHAIN	RS35-76L	1	MWETOCHA002	22				

10. Assembly drawing & parts list

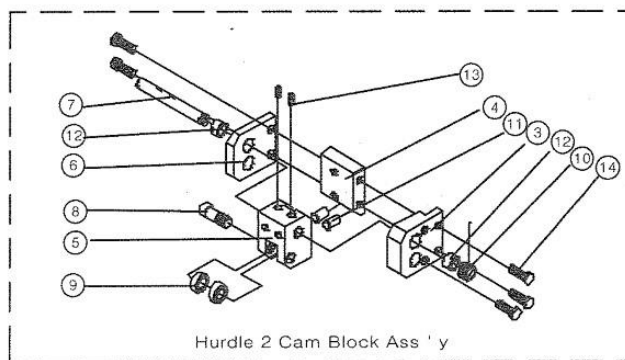
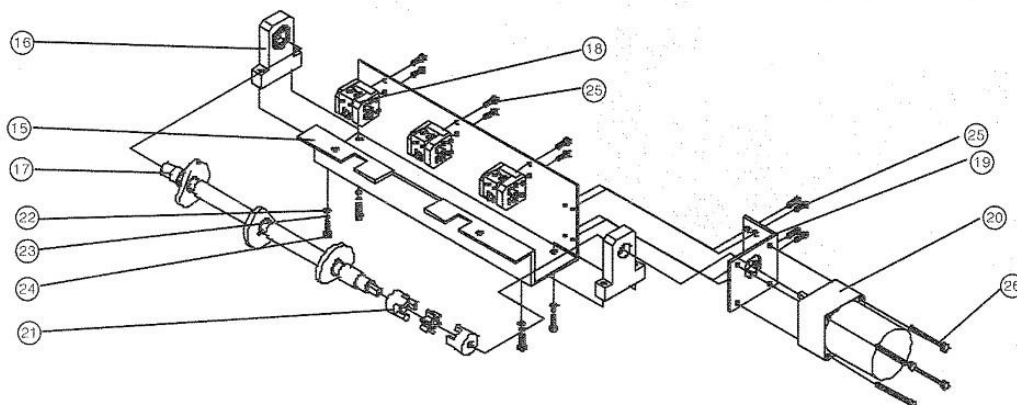
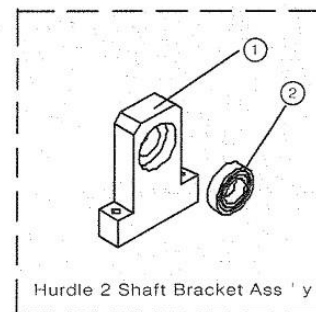
10-2-3. Assembling Main Base(3)



NO.	NAME	SPEC	QTY	CODE NO.	NO.	NAME	SPEC	QTY	CODE NO.
1	HURDLE 2 ASS'Y		1	AWET1MEP010	4	HEXAGON SOCKET HEAD CAP SCREW	M5X16	11	
2	HURDLE 3 ASS'Y		1	AWET1MEP009	5	SPRING WASHER	φ5	11	
3	SEMS	M4×12	4		6	PLATE WASHER	φ5	11	

10. Assembly drawing & parts list

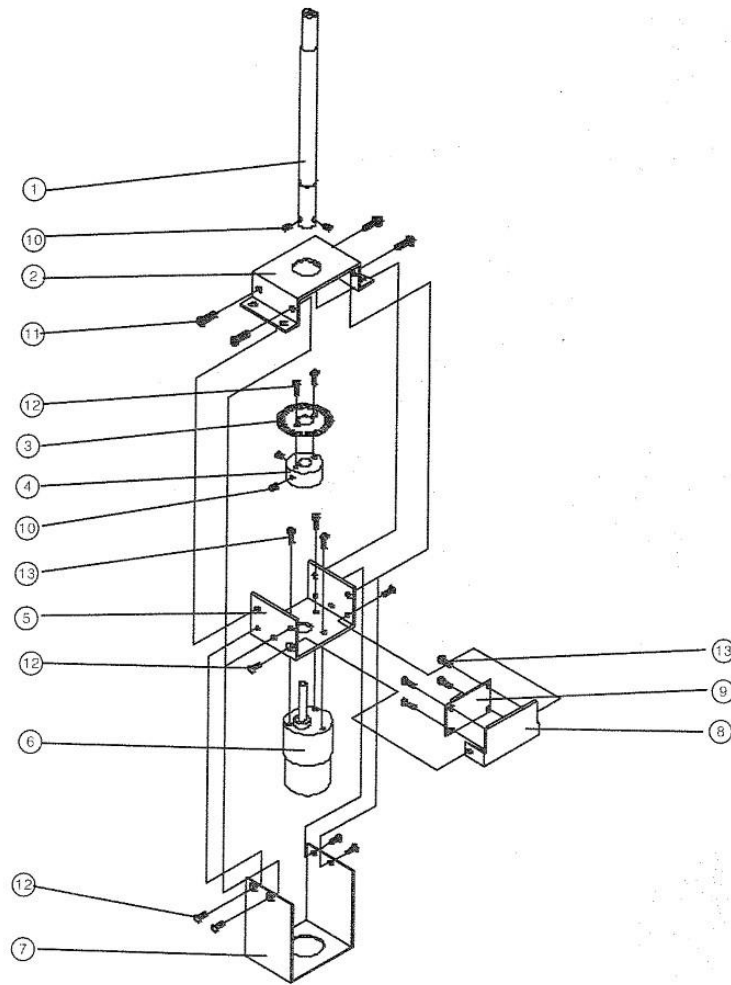
10-2-3-1. Assembling Hurdle 2



NO	NAME	SPEC	Q. TY	CODE NO.	NO	NAME	SPEC	Q. TY	CODE NO.
1	HURDLE 2 SHAFT BRACKET		1	MOUBOPRO035	14	HEXAGON SOCKET HEAD CAPSCREW	M4X16	5	
2	BALL BEARING	6902Z	1	MZZZOBEA002	15	HURDLE 2 MAIN BRACKET		1	MWETOMEP018
3	HURDLE 2 CAM BLOCK-A		1	MOUBOPRO039	16	HURDLE 2 SHAFT BRACKET ASS'Y		2	AWETOPRO007
4	HURDLE 2 CAM BLOCK-B		1	MOUBOPRO041	17	HURDLE 2 SHAFT ASS'Y		1	AWETOPRO006
5	HURDLE 2 CAM BLOCK-C		1	MOUBOPRO042	18	HURDLE 2 CAM BLOCK ASS'Y		3	AWETOPRO005
6	HURDLE 2 CAM BLOCK-D		1	MOUBOPRO058	19	HURDLE 2 MOTOR BRACKET		1	MWETOMEP019
7	HURDLE 2 CAM BLOCK SHAFT-A		1	MOUBOPRO044	20	MOTOR	KD-052B(60:1)	1	MWETOMOT004
8	HURDLE 2 CAM BLOCK SHAFT-B		1	MOUBOPRO045	21	COUPLING	CRO50	1	MRESOPRO002
9	BEARING	MR126ZZ	2	MZZZOBEA005	22	PLATE WASHER	φ5	4	
10	CAM RETURN SPRING		1	MWET1SPR002	23	SPRING WASHER	φ5	4	
11	HURDLE 2 CUSHOIN		2	MWETORUB002	24	HEXAGON SOCKET HEAD CAPSCREW	M5X16	4	
12	DU BUSHING	MB0608	2	MZZZOBEA023	25	SEMS	M4X10	10	
13	SET SCREW	M4X6	2		26	PH	M4X50	4	

10.Assembly drawing & parts list

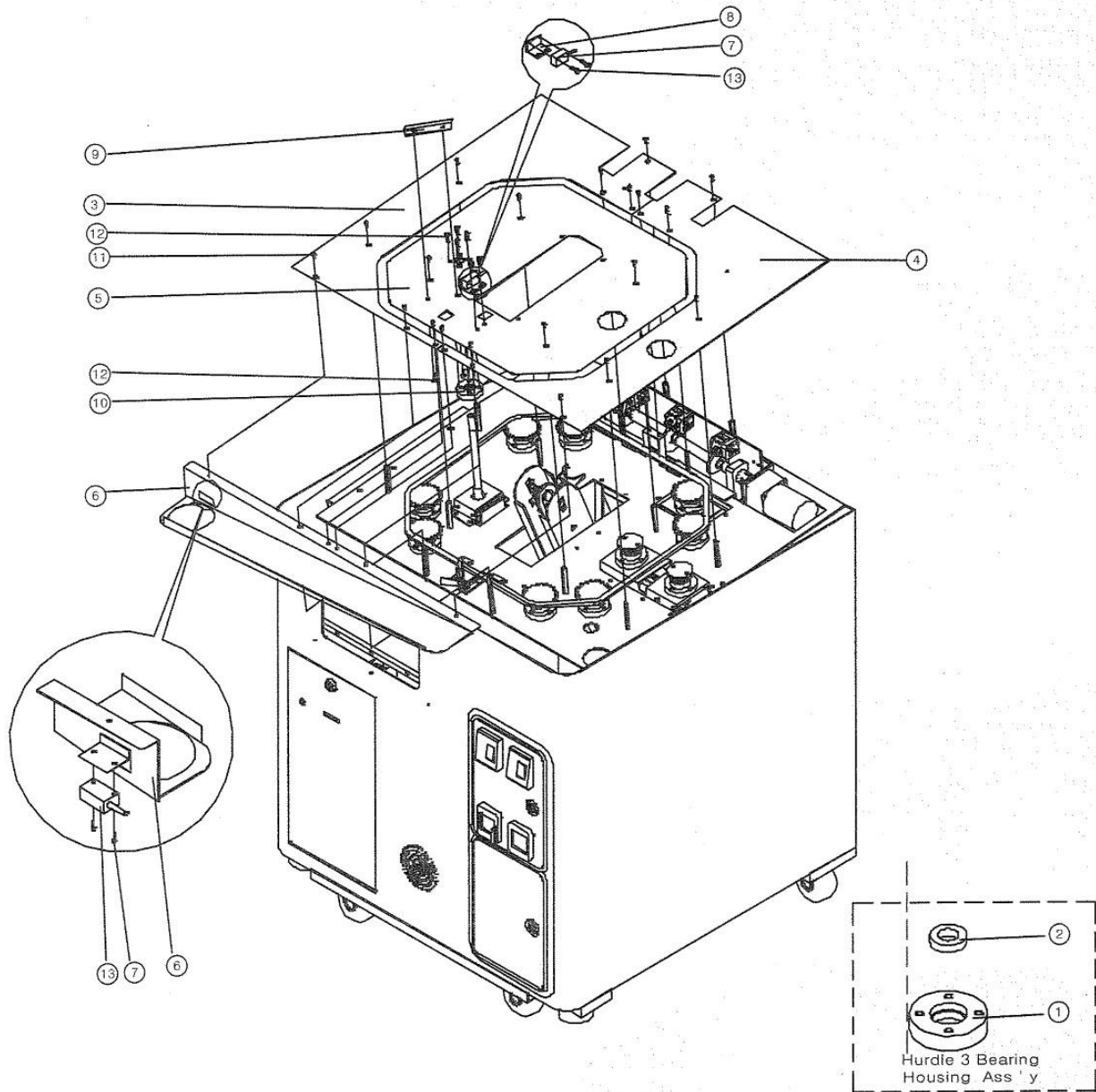
10-2-3-2. Assembling Hurdle 3



NO	NAME	SPEC	QTY	CODE NO.	NO	NAME	SPEC	QTY	CODE NO.
1	HURDLE 3 SHAFT		1	MWETOPRO008	11	SMES	M4X10	4	
2	HURDLE 3 ENCODER BRACKET		1	MWETOMEP121	12	FLAT HEAD CAP SCREW	M3X8	8	
3	ENCODER		1	MWETOMEP119	13	SMES	M3X8	7	
4	HURDLE 3 ENCODER SHAFT		1	MWETOPRO017	14				
5	HURDLE 3 MOTOR BRACKET		1	MWET1MEP043	15				
6	MOTOR	KGC-150-3429A	1	MWETOMOT003	16				
7	HURDLE 3 MOTOR SUPPORT BRACKET		1	MWETOMEP112	17				
8	HURDLE 3 SENSOR BRACKET		1	MWETOMEP123	18				
9	ENCODER SENSOR PCB 2 ASS Y		1	AWETOPCB007	19				
10	SET SCREW	M4X6	4		20				

10. Assembly drawing & parts list

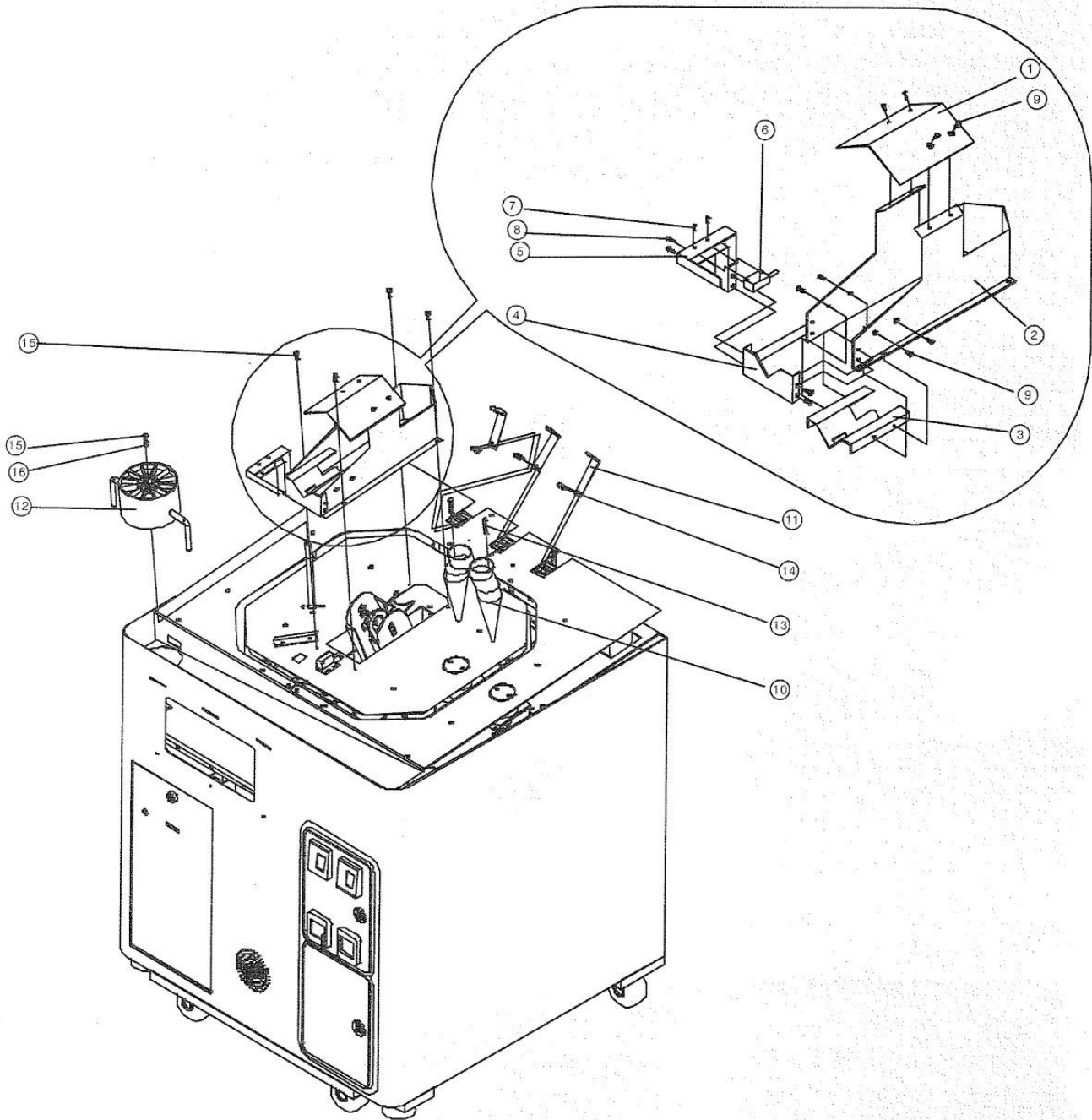
10-2-4. Assembling Main Base(4)



NO	NAME	SPEC	QTY	CODE NO.	NO	NAME	SPEC	QTY	CODE NO.
1	HURDLE 3 BEARING HOUSING		1	MOUBOPRO057	11	FLAT HEAD CAP SCREW	M3X8	20	
2	BALL BEARING	6801Z	1	MZZZ0BEA001	12	SMES	M4X10	6	
3	RAIL BASE-L		1	MWET1MEP094	13	PH	M3X16	4	
4	RAIL BASE-R		1	MWETOMEP096	14				
5	MAIN BASE COVER		1	MWETOMEP030	15				
6	BALL GUIDE BRACKET-B		1	MWETOMEP053	16				
7	PHOTO SENSOR	BYD50-DDT	2	MELEOPHO001	17				
8	CENTER SENSOR BRACKET		1	MWETOMEP090	18				
9	OBSTRUCTOR		1	MWETOMEP066	19				
10	HURDLE 3 BEARING HOUSING ASS'Y		1	AWETOPRO006	20				

10.Assembly drawing & parts list

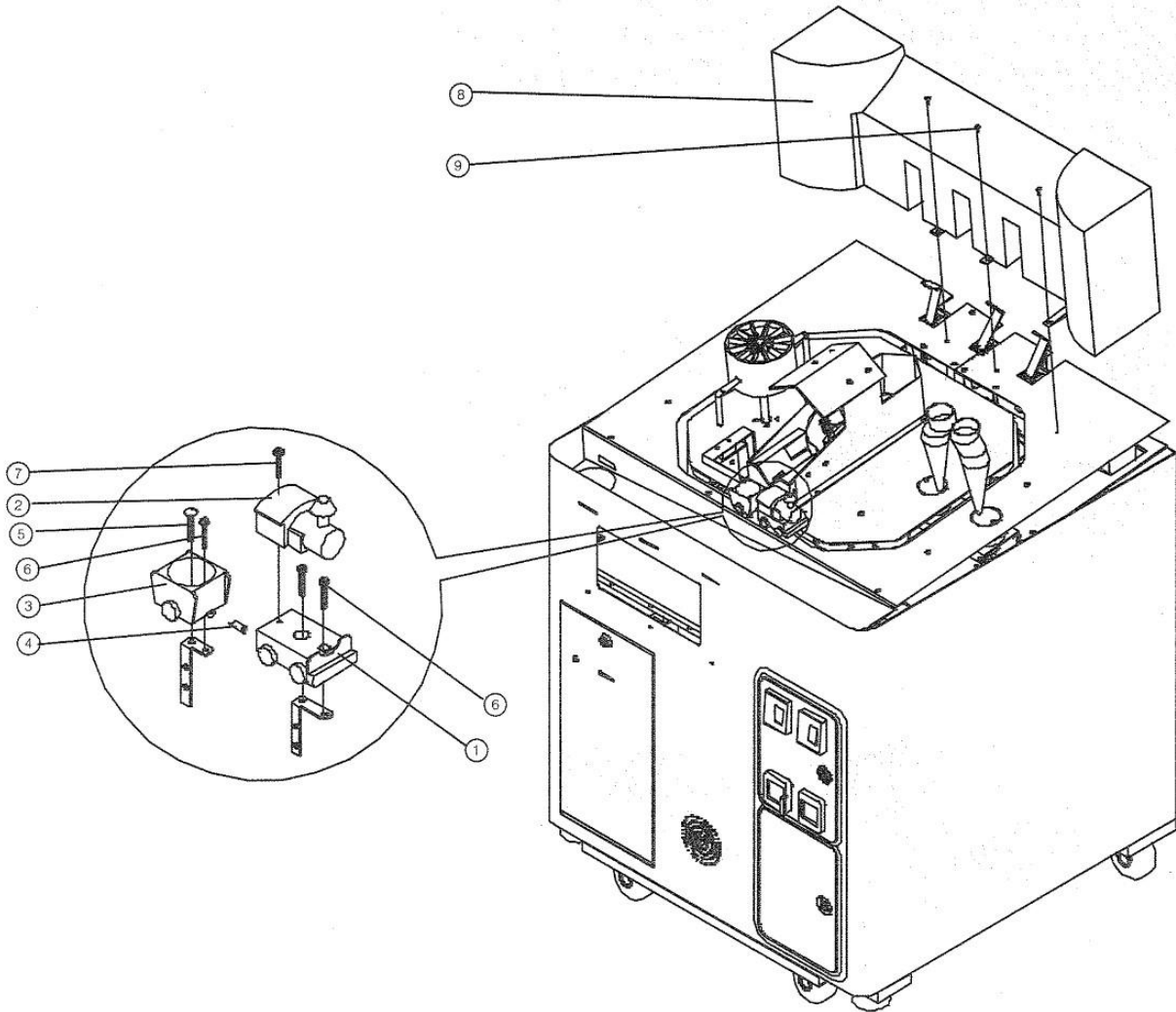
10-2-5. Assembling Main Base(5)



NO.	NAME	SPEC	Q' TY	CODE NO.	NO.	NAME	SPEC	Q' TY	CODE NO.
1	ELEVATOR COVER BRACKET-A		1	MWETOMEP032	9	FLAT HEAD CAP SCREW	M3X8	8	
2	ELEVATOR COVER BRACKET-B		1	MWETOMEP034	10	TONADO		2	MWETOSPR004
3	ELEVATOR COVER BRACKET-C		1	MWET1MEP036	11	HURDLE 2 PADDLE		3	MOUBMEP016
4	ELEVATOR COVER BRACKET-D		1	MWETOMEP038	12	WATER TANK		1	MWETOPLA006
5	BALL FILTER BRACKET		1	MWETOMEP041	13	HEXAGON SOCKET HEAD CAPSCREW	M5X25	2	
6	PHOTO SENSOR	BYD50-DDT	1	MELEOPHO001	14	SMES	M4X8	6	
7	PH	M3X20	2		15	SMES	M4X12	5	
8	SMES	M3X8	4		16	PLATE WASHER	φ4	1	

10.Assembly drawing & parts list

10-2-6. Assembling Main Base(6)

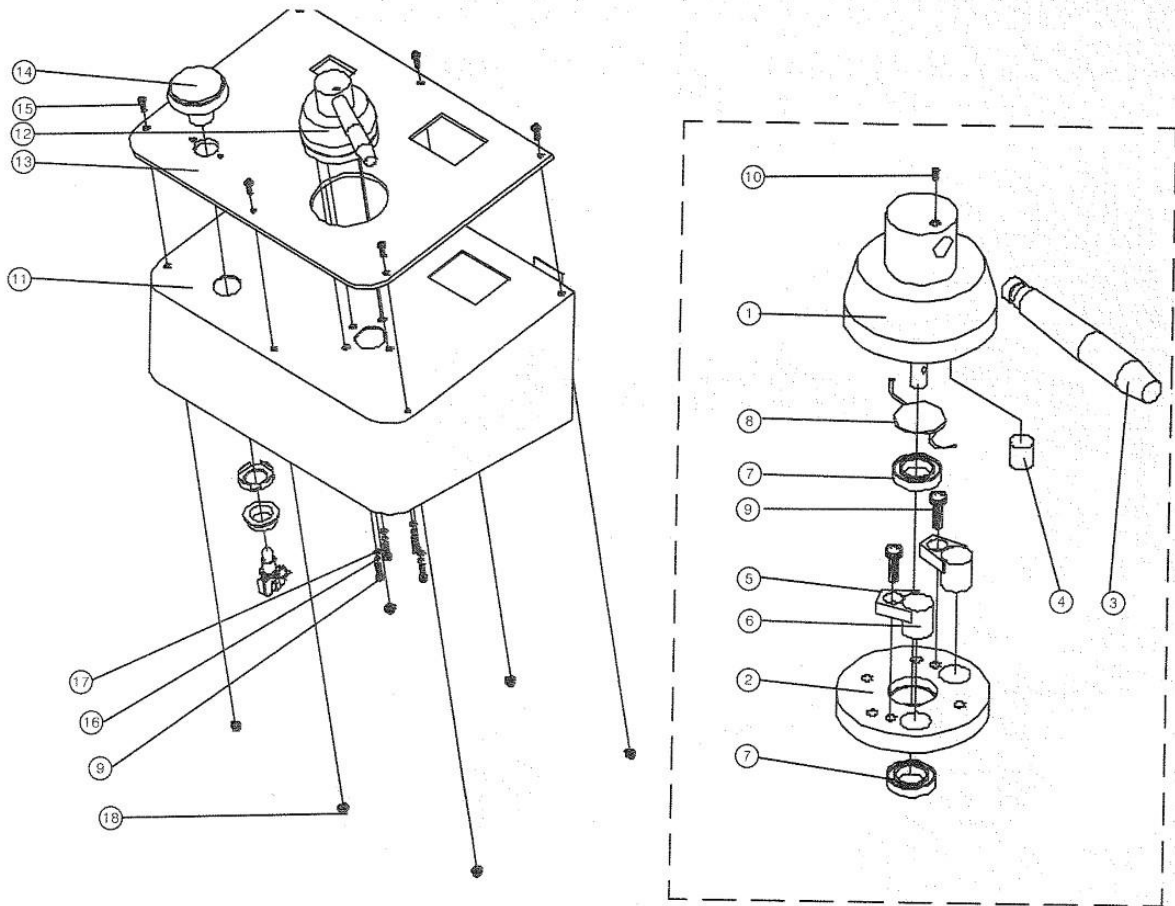


NO	NAME	SPEC	Q' TY	CODE NO.	NO	NAME	SPEC	Q' TY	CODE NO.
1	TRAIN BASE		1	MWETOPLA002	11				
2	TRAIN HEAD		1	MWETOPLA003	12				
3	GOODS WAGON		1	MWETOPLA005	13				
4	TRAIN JOIN SPRING		1	MWETOSPR003	14				
5	FLAT HEAD CAP SCREW	M4X25	1		15				
6	PH	M4X25	3		16				
7	TH	M3X40	1		17				
8	GOLD MINE		1	MWET1VAF003	18				
9	SEMS	M3X8 3	8		19				
10					20				

10. Assembly drawing & parts list

10-3. Assembling Control Box

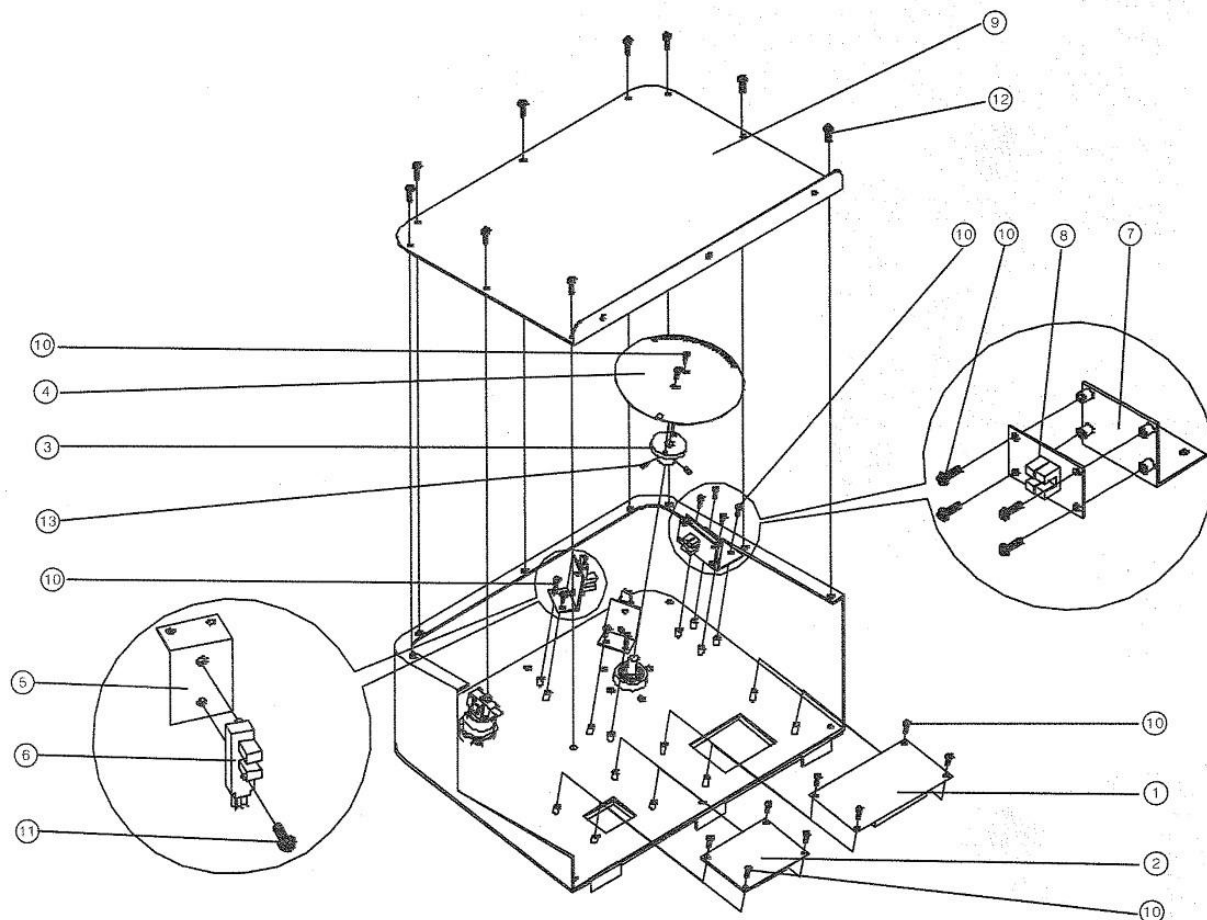
10-3-1. Assembling Control Box(1)



NO.	NAME	SPEC	QTY	CODE NO.	NO.	NAME	SPEC	QTY	CODE NO.
1	HANDLE FIXING BRACKET		1	MOUB1PRO049	11	CONTROL BOX UP		1	MWET1MEP099
2	HANDLE BASE		1	MOUB1PRO046	12	CONTROL HANDLE ASS Y		1	AWET1PRO001
3	HANDLE		1	MOUB1PRO051	13	CONTROL BOX ACRYL		1	MWET3ACR010
4	LIMIT BLOCK		1	MOUB1PRO048	14	BUTTON SWITCH	AMPB-60HR-G12	1	MZZZOBUT027
5	RUBBER FIXING BRACKET		2	MOUB1PRO047	15	RIVET BOLT	M4X12	6	
6	HANDLE URETHANE		2	MOUB1PRO061	16	SPRING WASHER	φ5	4	
7	BALL BEARING	6802Z	2	MZZZOBEEA003	17	PLATE WASHER	φ5	4	
8	HANDLE RETURN SPRING		1	MWETOSPR005	18	FLANGE NUT	M5	6	
9	HEXAGON SOCKET HEAD CAP SCREW	M5X10	6		19				
10	SET SCREW	M4X8	1		20				

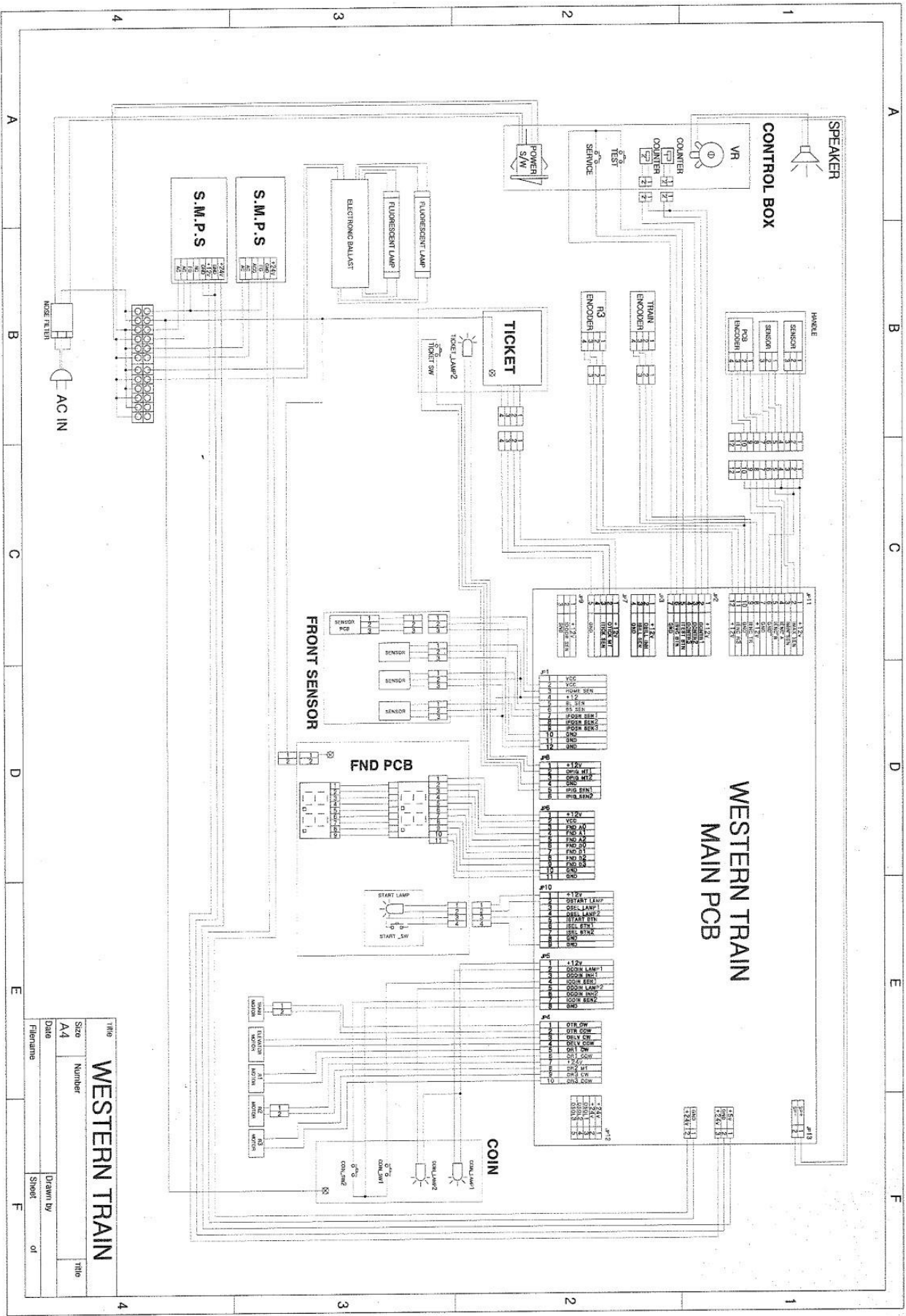
10.Assembly drawing & parts list

10-3-2. Assembling Control Box(2)



NO.	NAME	SPEC	QTY	CODE NO.	NO.	NAME	SPEC	QTY	CODE NO.
1	FND 1 PCB ASS'Y		1	AWETOPCB001	11	PH	M4X10	2	
2	FND 2 PCB ASS'Y		1	AWETOPCB003	12	HEXAGON SOCKER HEAD CAP SCREW	M4X10(ROUND HEAD)	9	
3	HANDLE ENCODER SPACE		1	MWETOPRO018	13	SET SCREW	M4X8	2	
4	HANDLE ENCODER		1	MWETOME124	14				
5	HANDLE SENSOR BRACKET-B		2	MWETOME126	15				
6	PHOTO SENSOR	LG-217L3	2	MELEOPHO007	16				
7	PHOTO SENSOR BRACKET-A		1	MWETOME125	17				
8	ENCODER SENSOR PCB 1 ASS'Y		1	AWETOPCB006	18				
9	CONTROL BOX LOW		1	MWET1MEP100	19				
10	SEMS	M3X6	18		20				

11. WIRING DIAGRAM



TITLE
WESTERN TRAIN
 Size Number
 A4
 Date
 Drawn by
 of
 Filenames Sheet of

- 1 > Train
- 2 > Elevator
- 3 > Subhoilwind
- 4 > targets
- 5 > Tower
- 6 > targets
- 7 > Tower
- 8 > Tower
- 9 > Tower
- 10 > Tower

W18 TD6269MP more noise ticket main p/w 2 / 007