

UFO EXPRESS

OWNER'S MANUAL



IMPORTANT

- Please read this manual carefully before using this machine.
- Keep this manual with the machine for future reference.

* CONTENTS

1. SPECIFICATION AND DIMENSIONS (2p)

- 1-1. DIMENSIONS
- 1-2. SPECIFICATION

2. NAME OF PARTS & STICKER LOCATION (3p)

- 2-1. NAME OF PARTS
- 2-2. STICKER LOCATION

3. COMPONENTS (4p)

4. HOW TO ASSEMBLE (5p)

5. SETUP MODE (6p)

- 5-1. Function of Control Panel (SW1, SW2, SW3)
- 5-2. How to setup.
- 5-3. Flow chart
- 5-4. The no. of ticket to each path and wheel
- 5-5. How to clear existing setup value.
- 5-6. Error mode

6. Test MODE (10p)

- 6-1. Sensor And Switch Test

7. TROUBLESHOOTING (12p)

- 7-1. <Error Code "1">
- 7-2. <Error code "2">
- 7-3. <Error code "3">
- 7-4. <Error code "4">
- 7-5. <Error code "5">
- 7-6. <Error code "6">

8. ASSEMBLING UFO EXPRESS Ass'y (18p)

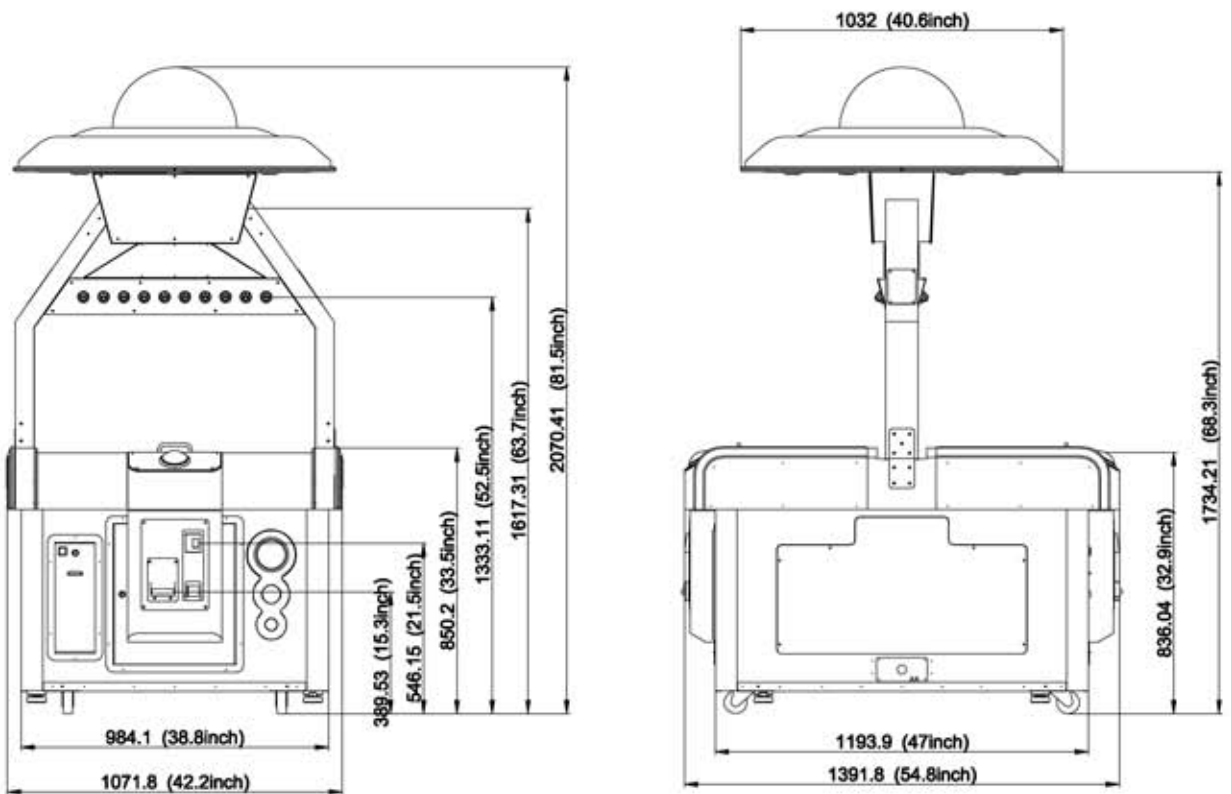
- 8-1. UFO EXPRESS Ass'y
- 8-2. MAIN CASE Ass'y
- 8-3. CASTER Ass'y
- 8-4. CASTER Ass'y_mir
- 8-5. TICKET BOX Ass'y
- 8-6. NOISE FILTER Ass'y
- 8-7. PUCK GUIDE Ass'y
- 8-8. AC POWER SWITCH Ass'y
- 8-9. POWER SMPS Ass'y
- 8-10. CASH BOX BODY Ass'y
- 8-11. CASH BOX Ass'y
- 8-12. BOTTOM FLEXIBLE LED-A Ass'y
- 8-13. BOTTOM FLEXIBLE LED-B Ass'y
- 8-14. FRONT DOOR Ass'y
- 8-15. COIN BOX Ass'y
- 8-16. WHEEL BASE Ass'y
- 8-17. PUCK SLOPE Ass'y
- 8-18. WHEEL BASE BEARING BLOCK Ass'y
- 8-19. WHEEL Ass'y
- 8-20. WHEEL SHAFT Ass'y
- 8-21. PUSH Ass'y
- 8-22. PUSH MOTOR Ass'y
- 8-23. SLIDE TOP BKT Ass'y
- 8-24. ELVATOR Ass'y
- 8-25. E_L MOTOR Ass'y
- 8-26. PUCK STOPBAR Ass'y
- 8-27. RACK GEAR Ass'y
- 8-28. MAIN BOARD Ass'y
- 8-29. RAIL LED Ass'y
- 8-30. PUCK RAIL Ass'y
- 8-31. TOP COVER Ass'y
- 8-32. DOOR GLASS Ass'y
- 8-33. BILLBOARD VACCUM Ass'y
- 8-34. BILLBOARD BOTTOM Ass'y
- 8-35. BILLBOARD VACCUM TOP Ass'y
- 8-36. JP FND BKT Ass'y
- 8-37. MINI JP Ass'y
- 8-38. CREDIT OWED FND Ass'y

9. WIRE DIAGRAM (55p)

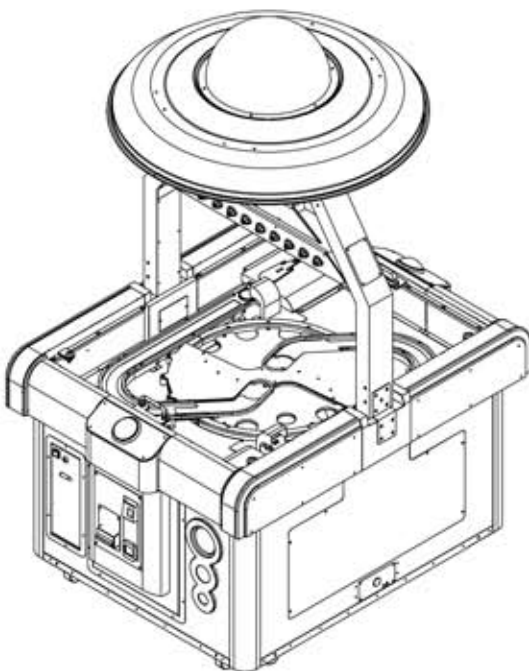
10. SHEET (59p)

1. SPECIFICATION AND DIMENSIONS

1-1. DIMENSIONS



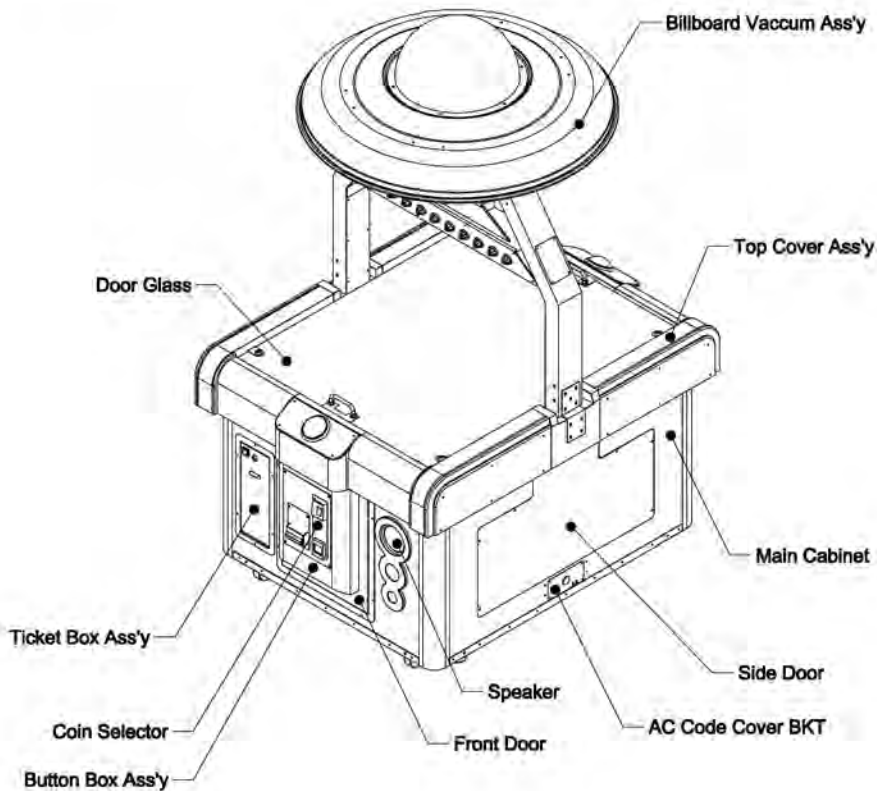
1-2. SPECIFICATION



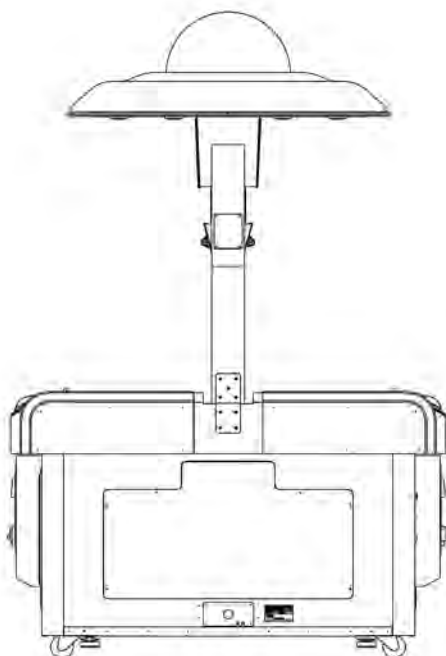
NOMINATED VOLTAGE RANGE	AC 110V / 220V
NOMINATED FREQUENCY RANGE	50Hz / 60Hz
AVERAGE POWER CONSUMPTION	170W
MAXIMUM POWER CONSUMPTION	250W (5A)
WEIGHT	260kg (573.2 lb)

2. NAME OF PARTS & STICKER LOCATION

2-1. NAME OF PARTS

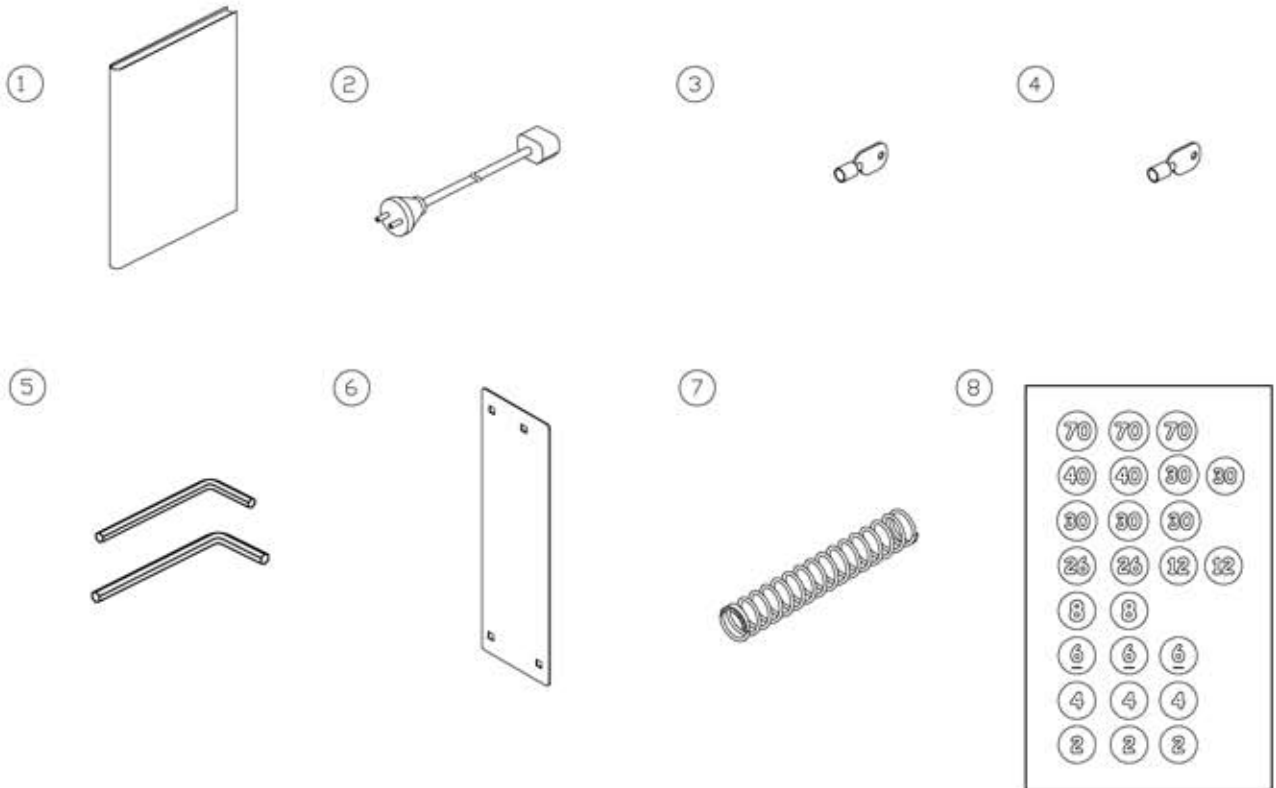


2-2. STICKER LOCATION



MODEL NAME	UFO EXPRESS
POWER REQUIREMENTS	AC 110V / 220V, 60Hz / 60Hz
AVERAGE POWER CONSUMPTION	170W
MAXIMUM POWER CONSUMPTION	250W (SA)
WEIGHT (KG)	250kg (551.2 lb)
MODEL NO.	KM-UFO-001
ROHS	

3. COMPONENTS

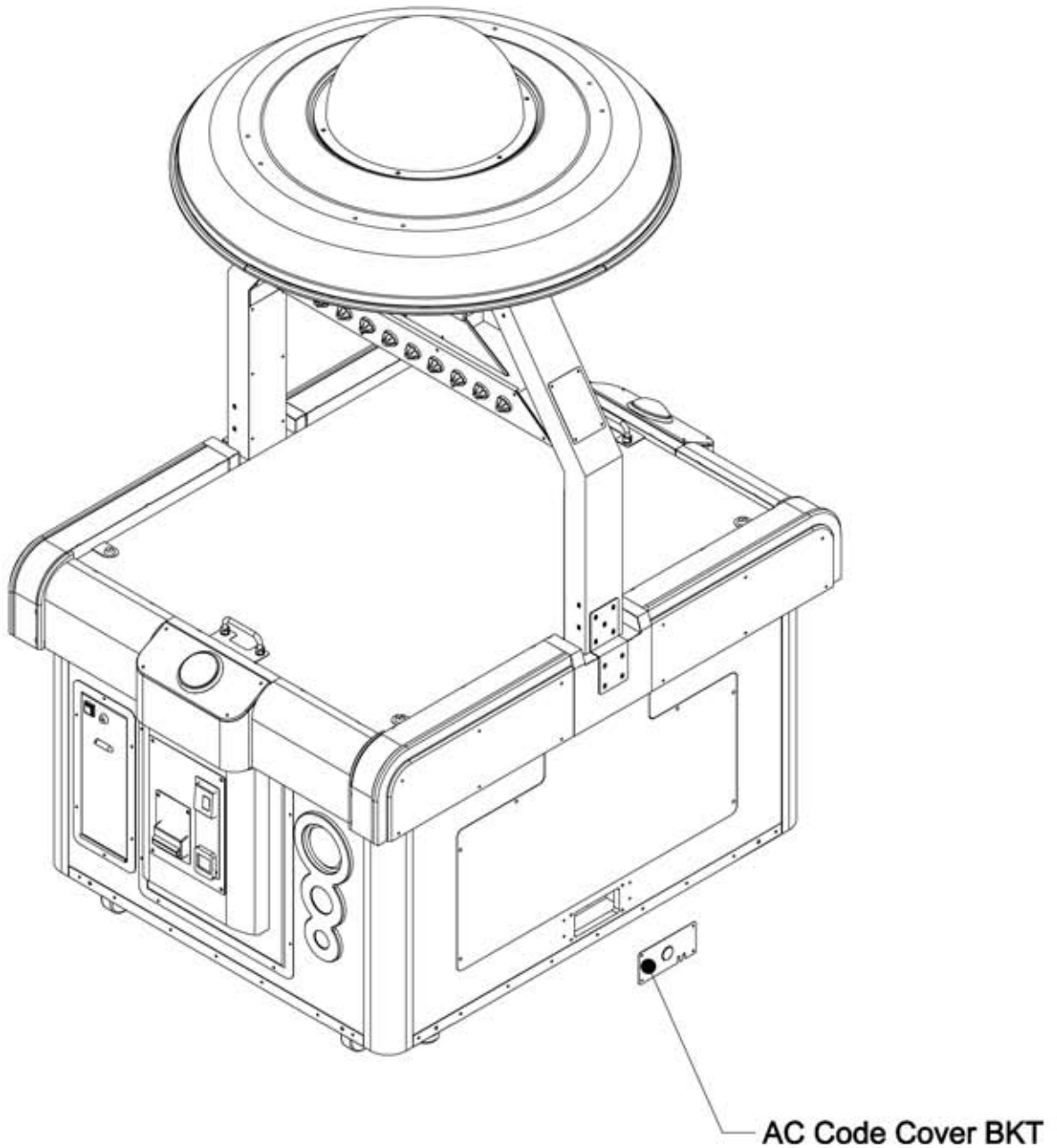


NO.	PART NAME	SPEC.	QUANTITY	CODE NO.
1	MANUAL	MANUAL	1	MUFE0BOX002
2	AC POWER CORD	125V-7A(0.75)UL	1	MELE0ACP001
		250V-10A(0.75)UL		MELE0ACP008
		250V-13A(0.75)UL (BF3)		MELE0ACP006
3	DOOR KEY / TICKET BOX KEY	7001	4	MZZZOKEY032
4	CASH BOX KEY	6001	2	MZZZOKEY013
5	WRENCH	3mm	1ea	MXXXOREN004
		4mm		MXXXOREN002
6	COIN DOOR COVER	SPCC-1.2t	1	MUFE0MET144
7	SPRING	HSW-1.6t X 113.2L	2	MUFE0SPR001
8	WHEEL ACETAL SCORE STICKER SET SHEET	SHEET	1set	MUFE0SHE031

4. HOW TO ASSEMBLE

! CAUTION

DON'T PUT more than 7 pucks in each puck rail. **1P : max. 7pucks 2P : max. 7pucks**
If you put more than 7 pucks in, it will cause a puck-jam inside of the puck rail.



Open the AC Cord Cover Bracket.
Connect the AC Cord to the AC Inlet, and Close the AC Cord Cover Bracket.

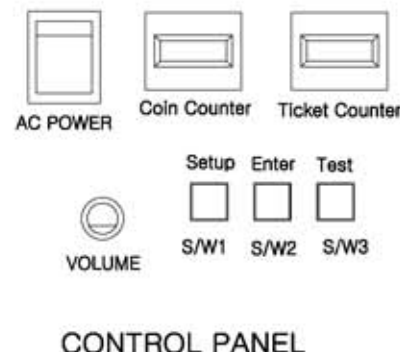
5. SETUP MODE

5-1. Function of Control Panel (SW1, SW2, SW3) .

- 1) S/W1 : a) Entering Setup Mode
b) Push SW1 two times and return to upper menu.
- 2) S/W2 : a) Adjusting each Setup value.
b) Service coin switch
- 3) S/W3 : a) Entering each Setup menu
b) Test switch

5-2. How to setup.

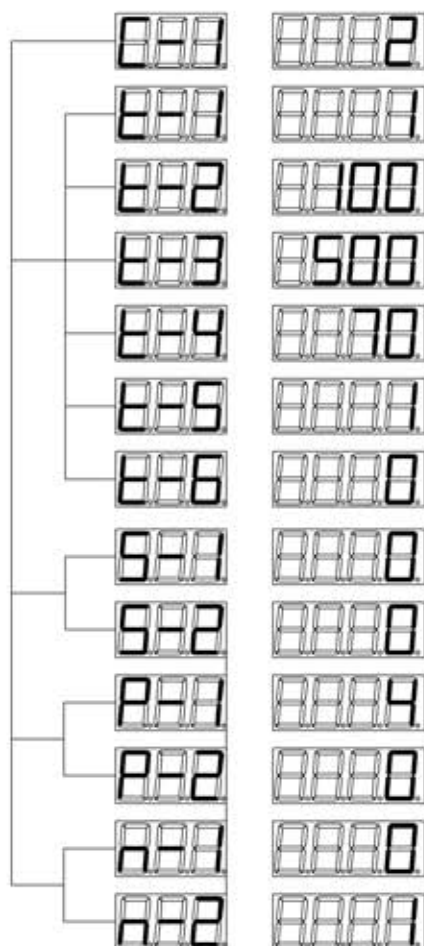
- 1) Press SW1 to enter into Setup Mode.
- 2) Press SW3 and enter each Setup menu.
- 3) Press SW2 and adjust each setup value.
- 4) Press SW1 two times to save the setup and return to Game Mode.



setup Mode Flow chart

TICKET OWED FND (MODE)

MEGA WIN FND (Setting value displayed)



Coins per credit

Range : 0~9 / default : 2

No of accumulated Ticket in MegaWin per credit/game

Range : 0~10 / default : 1

MegaWin ticket start value

Range : 0~1,000 / default : 200

Maximum MegaWin ticket value

Range : 0~1,000 / default : 500

BigWin ticket value

Range : 0~200 / default : 50

Half ticket option (1:normal, 2:Half ticket)
default :1

Set of starting point of Mini Jackpot light-on

Range : 0~4 / default :0

demo sound

Range : 0~2 / default : 1

Error sound

Range : 0,1 / default : 0 (0 : off / 1: on)

Wheel Motor Speed (1~4)

Range : 1~4 / default : 4

Wheel Motor Speed RANDOM option

Range : 1~5 / default : 0

No of pucks per credit/game

Range : 1~5 / default : 1

1P & 2P Mini Jackpot cooperative mode

Range : 0 ~1 / 0:cooperative mode 1:individual mode/default:0

(Randomly Changed) Wheel Motor Speed Variance
1: small variance to 5 : large variance
Range : 1~5 / default : 0 (unchanged)

* Demo sound on/off (0 ,1, 2)

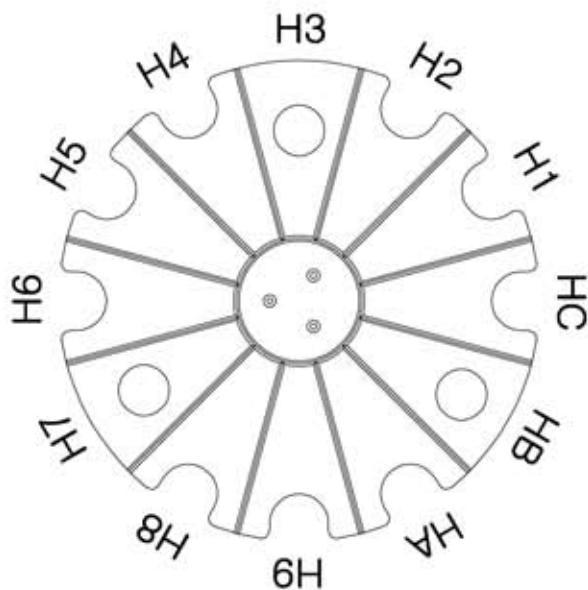
- * NO 0 --> Demo sound off.
- * NO 1 --> Playing demo sound once every 5min.
- * NO 2 --> Playing demo sound continuously.

5-3. Flow chart

- 1) The hole becomes BigWin hole when the setting value is "0".
- 2) BigWin ticket value change : Go to 5-2 (6p), t-4 BigWin ticket value, and adjust ticket value.

* Setup Mode

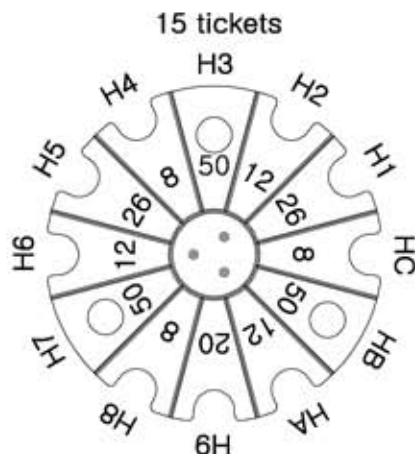
		the no 1. of hole ticket
		the no 2. of hole ticket
		the no 3. of hole ticket (BigWin)
		the no 4. of hole ticket
		the no 5. of hole ticket
		the no 6. of hole ticket
		the no 7. of hole ticket (BigWin)
		the no 8. of hole ticket
		the no 9. of hole ticket
		the no a. of hole ticket
		the no b. of hole ticket (BigWin)
		the no c. of hole ticket



5-4. The no. of ticket to each path and wheel

UFO Express is a skill-based game, so we highly recommends operating your game for 4 ~ 6 weeks at the factory setting before making alterations to the extensively field tested settings.

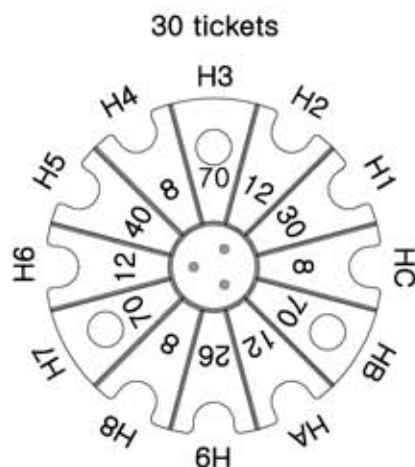
(MAIN BOARD DIP SW)



Setting value (example) :

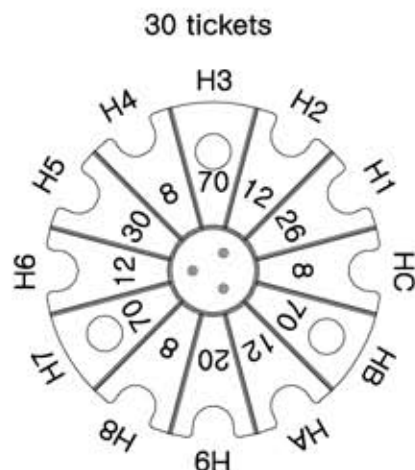
MegaWin ticket start value : 200
Maximum MegaWin ticket value : 500
2coins, 1puck per credit/game

(MAIN BOARD DIP SW)



MegaWin ticket start value : 500
Maximum MegaWin value : 1000
4coins, 1puck per credit/game

(MAIN BOARD DIP SW)



MegaWin ticket start value : 1000
Maximum MegaWin ticket value : 1000
4coins, 1puck per credit/game

5-5. How to clear existing setup value.

- 1) Turn on machine while SW1 being pushed to enter into Clear Mode.
- 2) Press SW2 and clear the data.
- 3) Press SW3 and enter each setup menu.
- 4) Press SW1 two times to save the setup and return to Game Mode.

★ Clear Mode

Ticket Owed Fnd

MEGA WIN FND



- Clear the accumulated MegaWin Tickets in MegaWin FND

- Stop ticket dispensing from ticket dispenser.

- Clear the accumulated BigWin Lights.

- Clear the credits.

- Clear the all set-up value and return to default setting.

5-6. Error mode

TICKET OWED FND



When no ticket is available into dispenser, or Error on ticket dispenser.



When no Puck is available into Elevator or Error on puck load sensor.



Error on shooting motor or sensor.



Error on wheel motor or sensor.



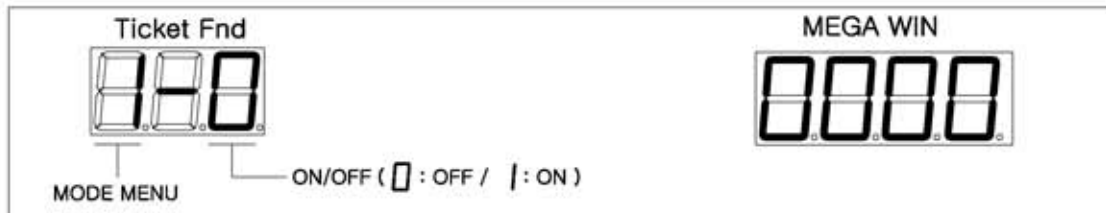
When a puck is at a standstill on rail or wheel,
or error on puck out sensor.



Error on Elevator motor or sensor.

6. Test mode

- 1) Press SW3 to enter into Test Mode.
- 2) Press SW1 to enter into each Test Menu.
- 3) Press SW2 to operate each Test menu.
- 4) Press SW3 two times to save the setup and return to Game Mode.



NO.	Ticket Fnd	Content	NO.	Ticket Fnd	Content
1		1p shoot Motor Test off	13		1P Ticket Dispensor Test Off
2		1p Shoot Motor Test on	14		1P Ticket Dispensor Test On
3		2P Shoot Motor Test off	15		2P Ticket Dispensor Test Off
4		2P Shoot Motor Test on	16		2P Ticket Dispensor Test On
5		wheel Motor Test off	17		Sound Test Off
6		Wheel Motor Test on	18		Sound Test on
7		1P Elevator Motor off	19		Counter Test Mode
8		1P Elevator Motor on	20		Ticket Counter On
9		2P Elevator Motor off	21		Coin Counter On
10		2P Elevator Motor on			
11		Led & Fnd Test Off			
12		Led & Fnd Test On			

MEGA WIN Fnd display



6-1. Sensor And Switch Test

- Sensor and Switch operation conformity check

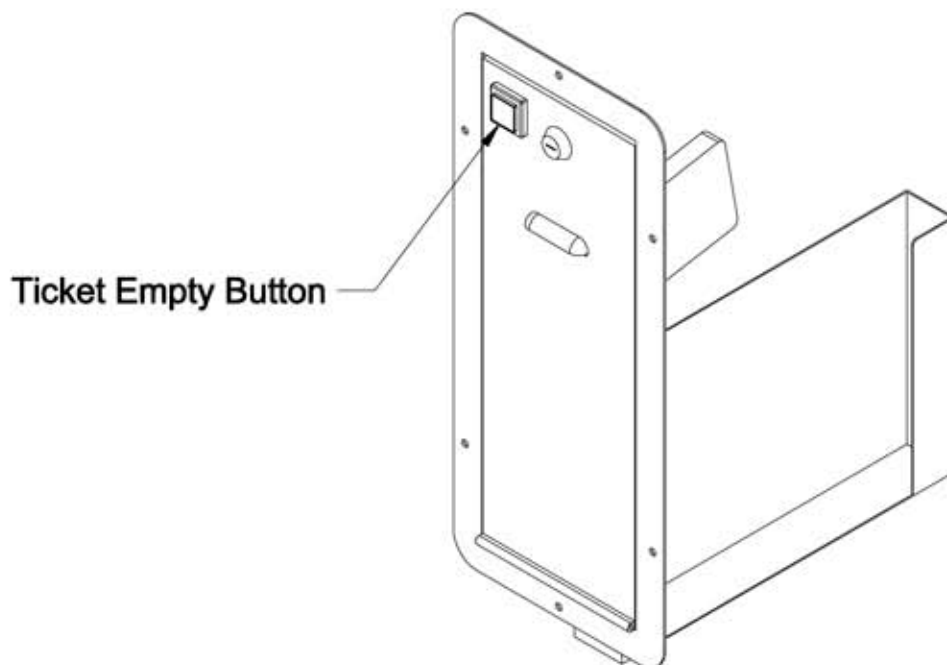
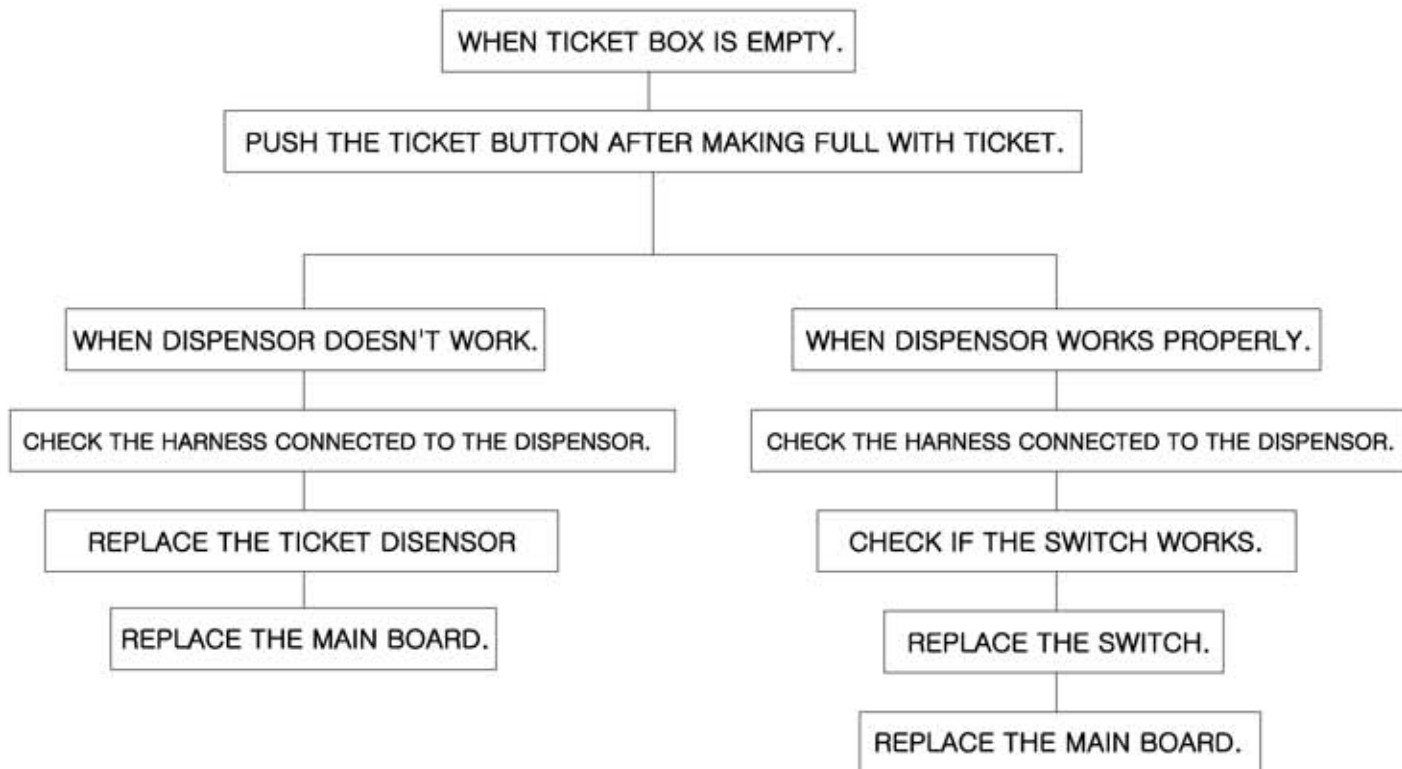
NO.	CONTENT	MEGA WIN FND
1	1P ticket dispenser sensor	
2	1P ticket empty switch	
3	2P ticket dispenser sensor	
4	2P ticket empty switch	
5	1P Start Button	
6	2P Start Button	
7	1P coin sensor	
8	2P coin sensor	
9	setup button	
10	sevice button	
11	test button	
12	1P shot point sensor	
13	2P shot point sensor	
14	1P e/v up sensor	
15	1P e/v down sensor	
16	2P e/v up sensor	
17	2P e/v down sensor	
18	1P e/v puck load sensor	
19	2P e/v puck load sensor	
20	1P puck out sensor	
21	2P puck out sensor	
22	wheel encoder sensor	
23	wheel point sensor	

7. TROUBLESHOOTING

7-1. Error Code "1"

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

- TEST ACCORDING TO TEST MODE 7-1,8-1 (page.10)
- CONFIRM THE STATUS OF MOTOR AFTER TESTING.

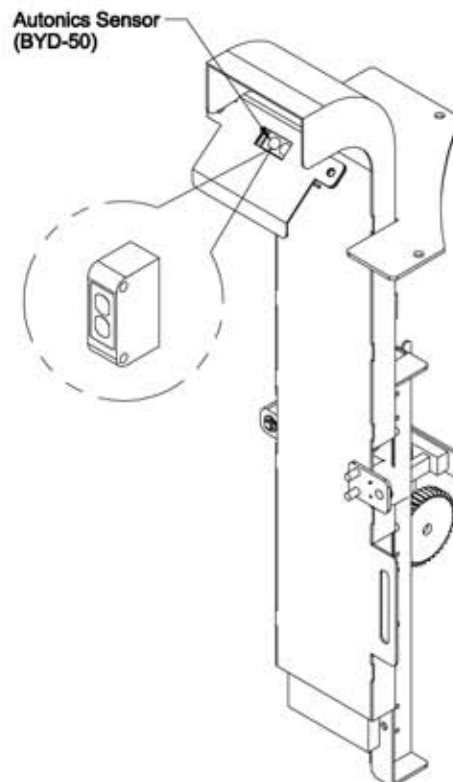
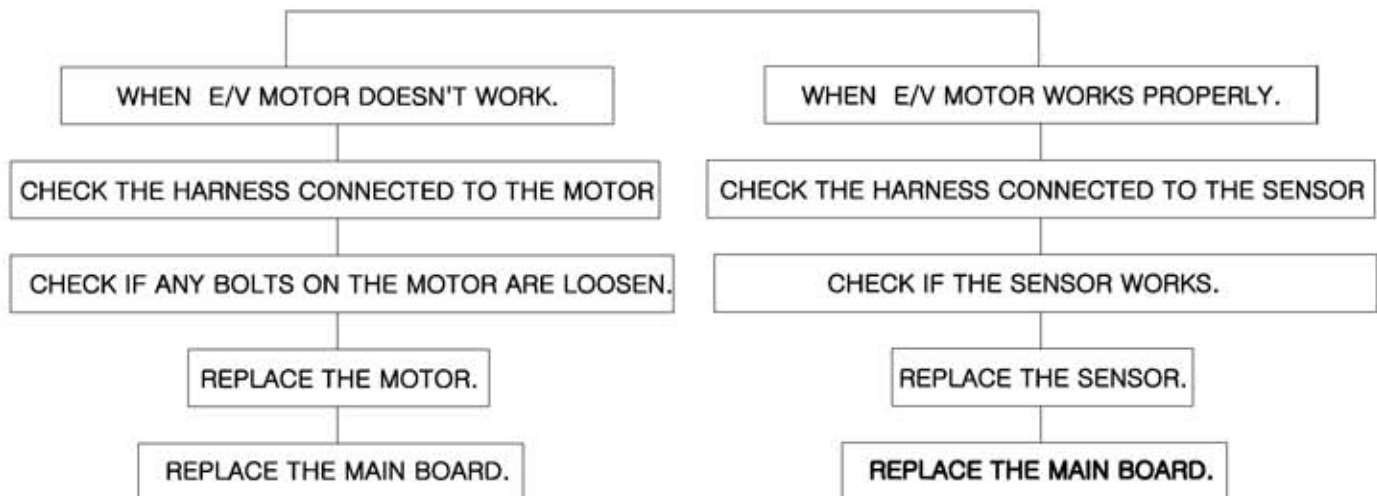


Reference: TICKET BOX Ass'y

7-2. <Error code '2'>

When no Puck is available into Elevator or Error on puck load sensor .

- TEST ACCORDING TO TEST MODE 4-1,5-1 (page.10)
- CONFIRM THE STATUS OF MOTOR AFTER TESTING.

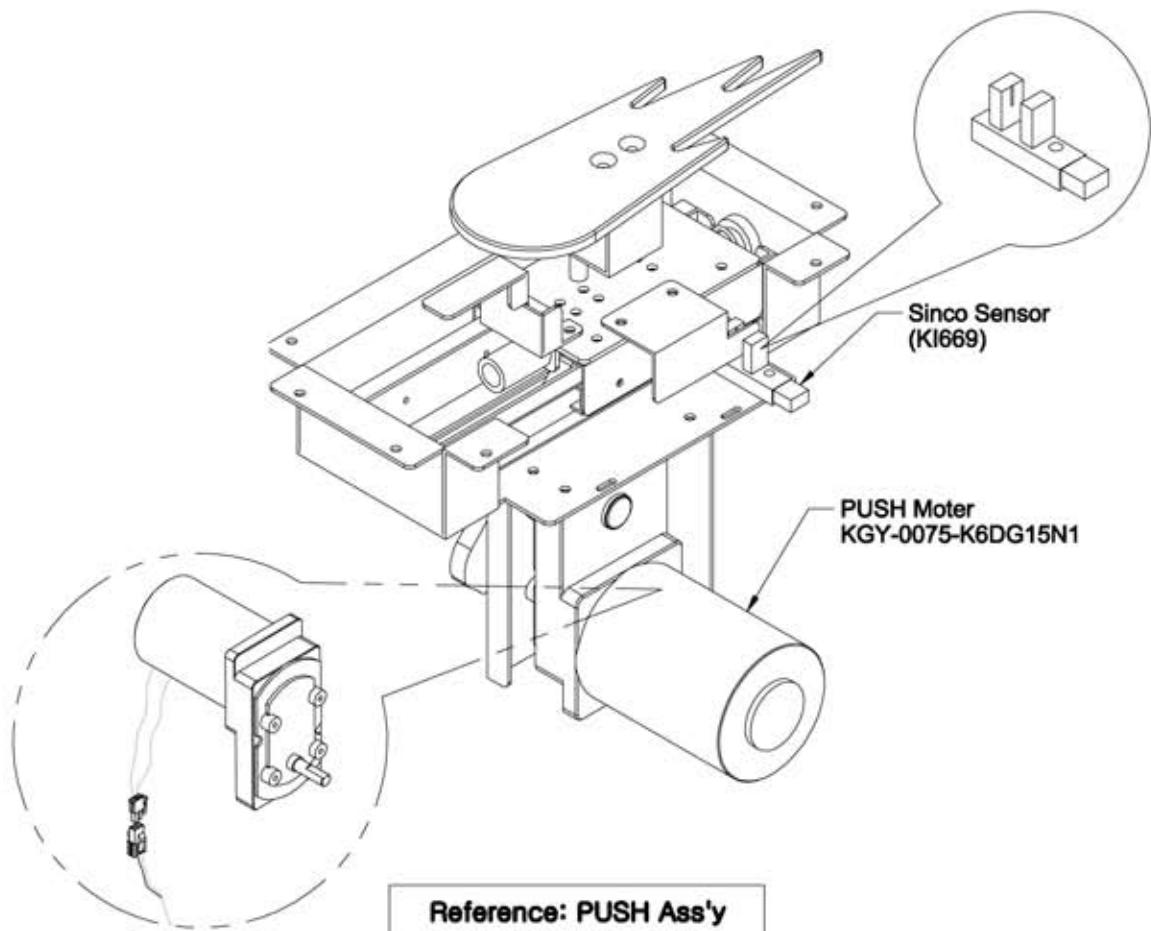
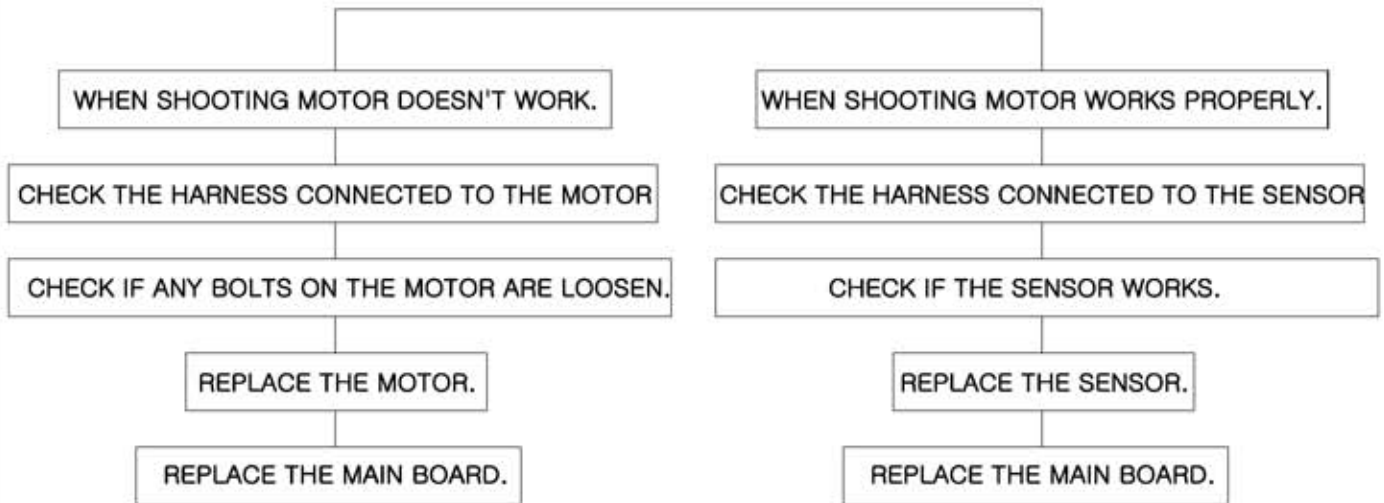


Reference: ELEVATOR Ass'y

7-3. <Error code "3">

Error on shooting motor or sensor.

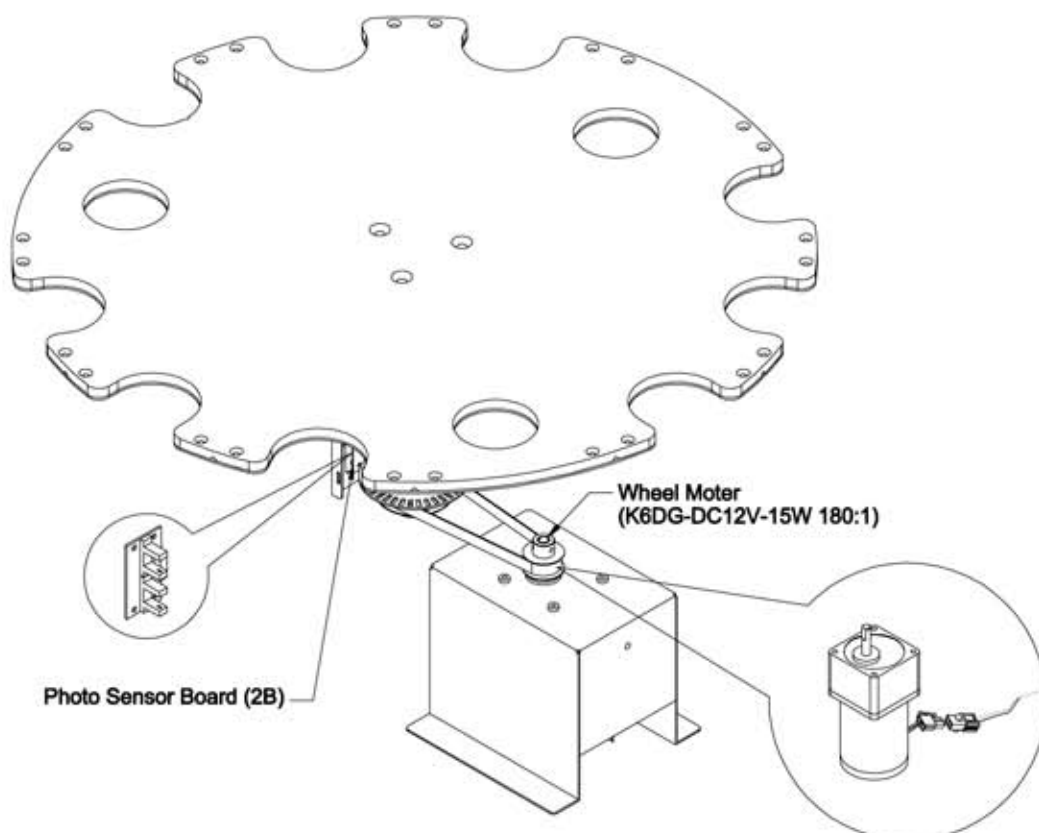
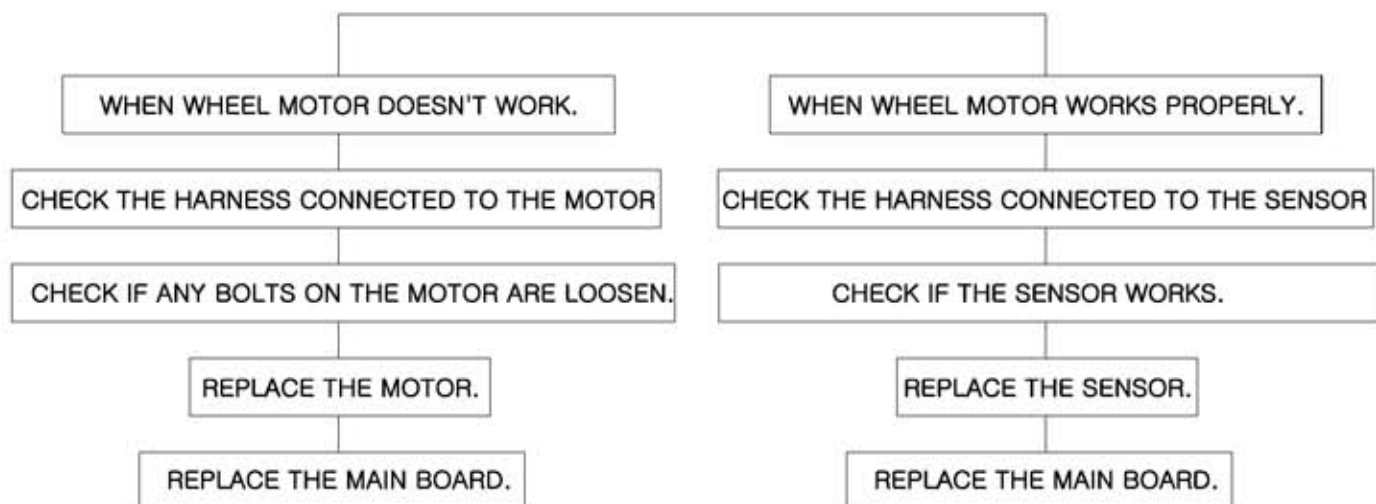
- TEST ACCORDING TO TEST MODE 4-1,5-1 (page.10)
- CONFIRM THE STATUS OF MOTOR AFTER TESTING.



7-4. <Error code "4">

Error on wheel motor or sensor.

- TEST ACCORDING TO TEST MODE 3-1 (page.10)
- CONFIRM THE STATUS OF MOTOR AFTER TESTING.



Reference: WHEEL Ass'y

7-5. <Error code '5'>

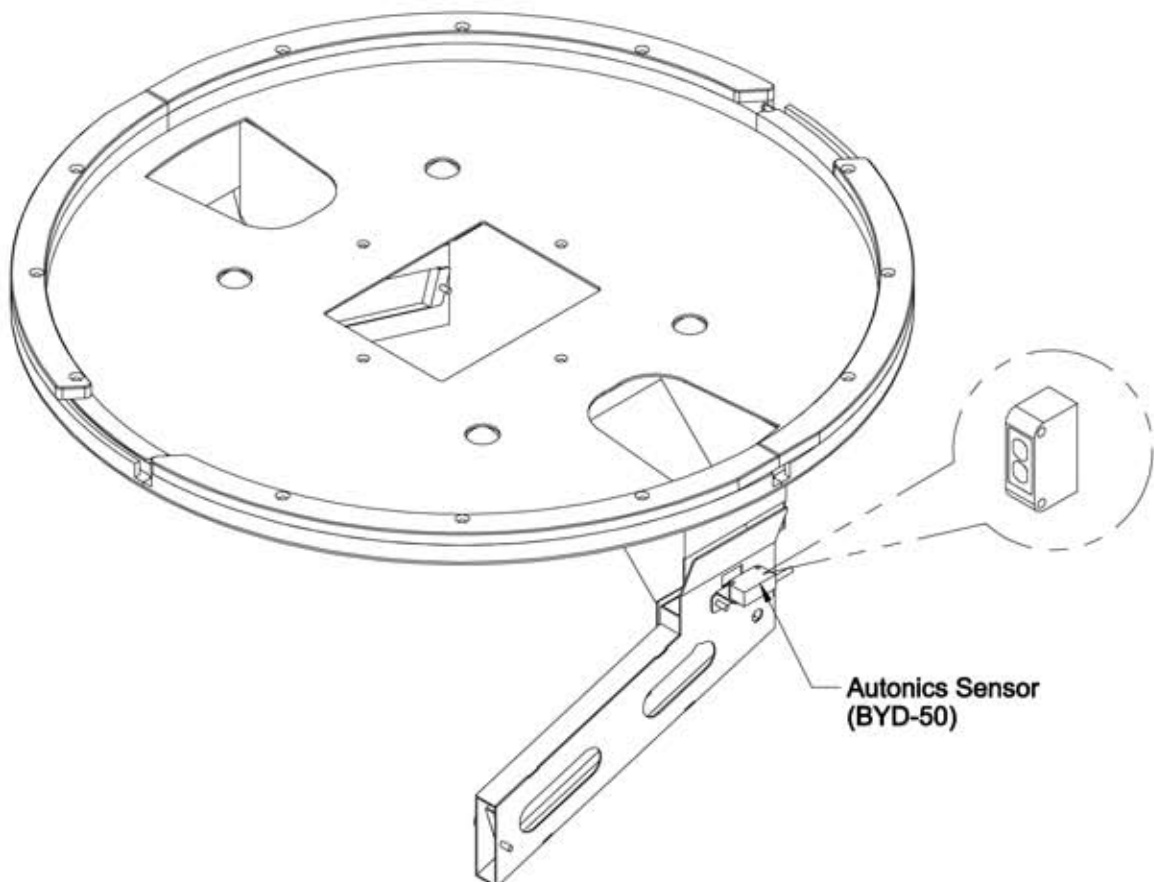
When a puck is at a standstill on rail or wheel, or error on puck out sensor.

CHECK THE HARNESS CONNECTED TO THE SENSOR

CHECK IF THE SENSOR WORKS.

REPLACE THE SENSOR.

REPLACE THE MAIN BOARD.



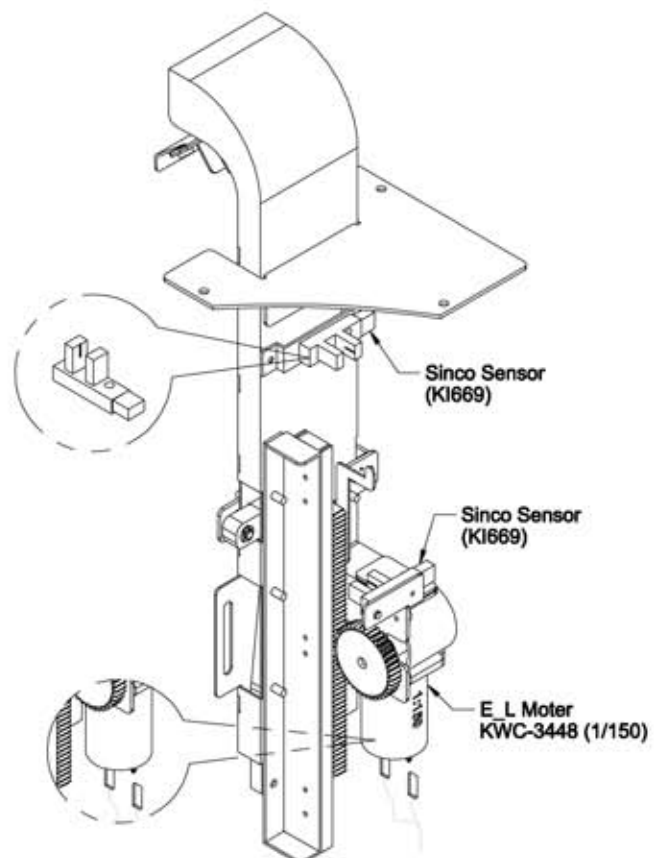
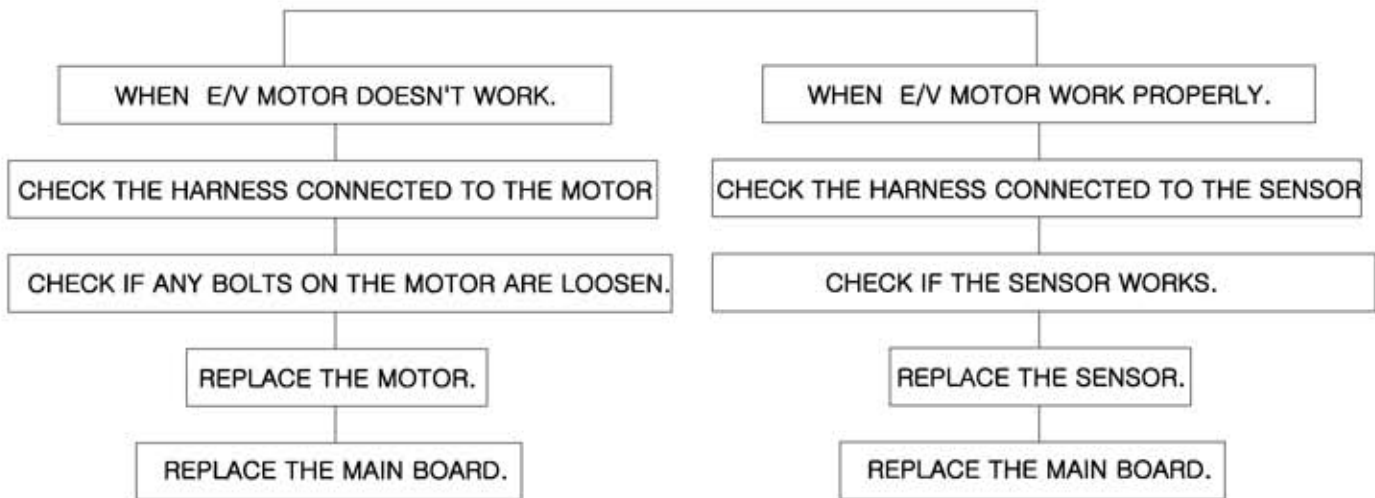
Autonics Sensor
(BYD-50)

Reference: Wheel Base Ass'y

7-6. <Error code "6">

Error on Elevator motor or sensor.

- TEST ACCORDING TO TEST MODE 4-1,5-1 (page.10)
- CONFIRM THE STATUS OF MOTOR AFTER TESTING.

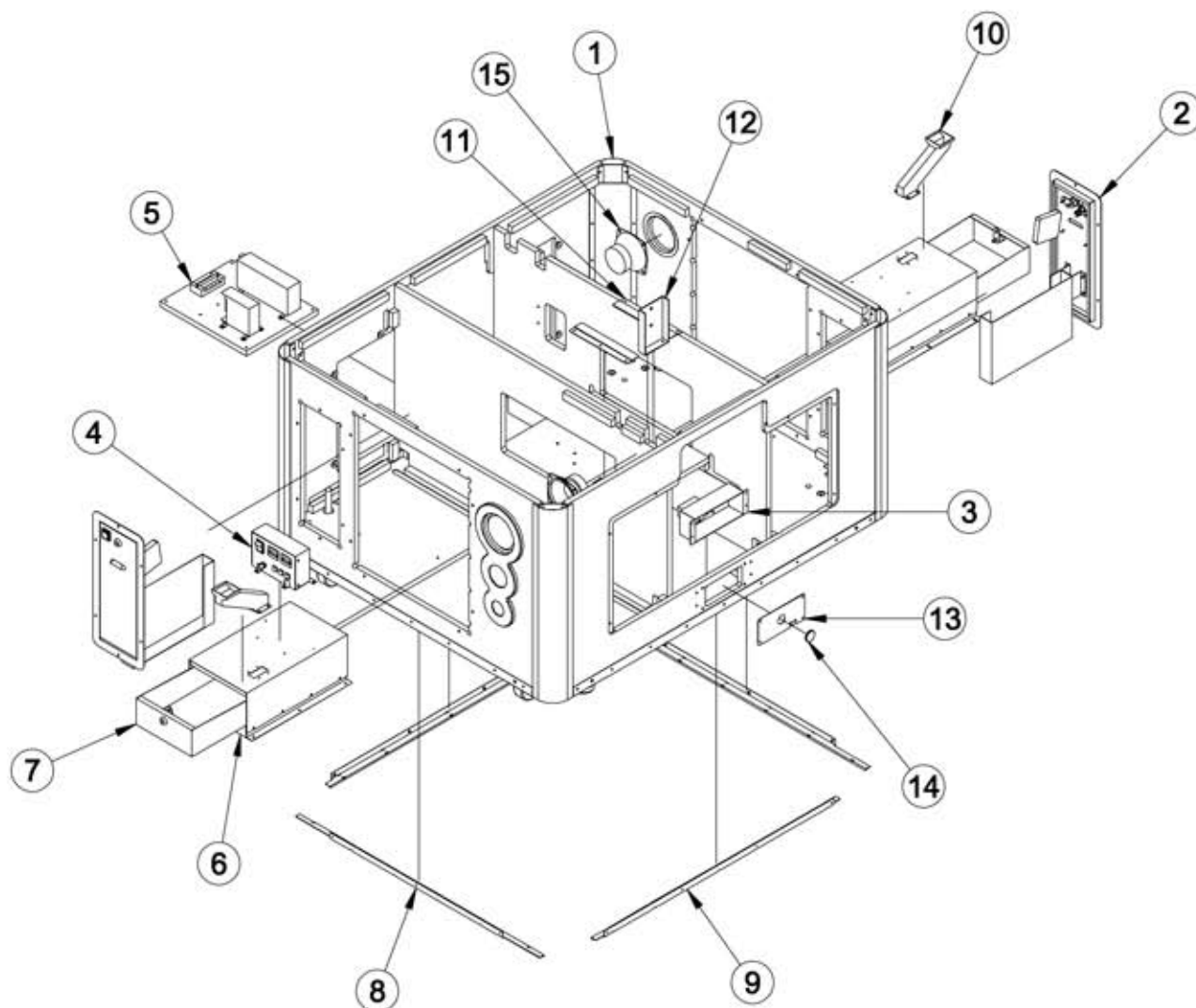


Reference: ELEVATOR Ass'y

8.ASSEMBLING UFO EXPRESS Ass'y

8-1.UFO EXPRESS Ass'y-1

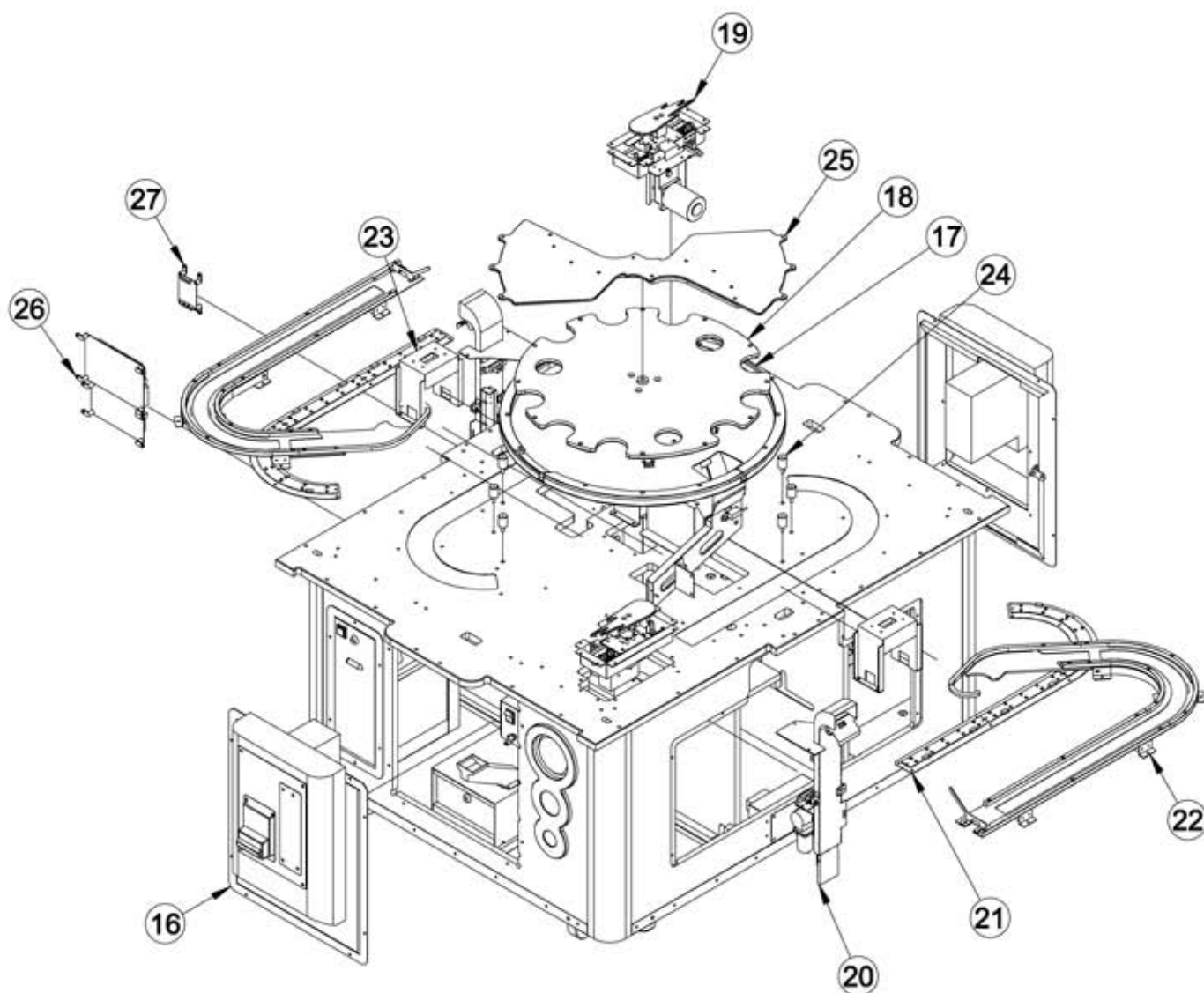
AUFE0000007



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0WOO017	1	MAIN CASE Ass'y	ASSEMBLE
2	AUFE0000016	2	TICKET BOX Ass'y	ASSEMBLE
3	AUFE0000005	1	NOISE FILTER Ass'y	ASSEMBLE
4	AUFE0000008	1	AC POWER SWITCH Ass'y	ASSEMBLE
5	AUFE0000035	1	POWER SMPS Ass'y	ASSEMBLE
6	AUFE0000002	2	CASH BOX BODY Ass'y	ASSEMBLE
7	AUFE0000001	2	CASH BOX Ass'y	ASSEMBLE
8	AUFE0000013	2	BOTTOM FLEXIBLE LED-A Ass'y	ASSEMBLE
9	AUFE0000012	2	BOTTOM FLEXIBLE LED-B Ass'y	ASSEMBLE
10	MUFE0MET143	2	COIN RAIL	SPCC-1.2t
11	MUFE0MET069	2	MOTER FIXED BKT	SPCC-1.6t
12	MUFE0MET070	1	MOTER TENSION BKT	SPCC-2.0t
13	MUFE0MET081	1	AC CORD COVER BKT	SPCC-1.2t
14	MZZZ0RUB005	1	BUSHING(WIRE)	25Φ
15	MZZZ0SPE004	2	SPEAKER	MID 4.5 8Ω 80W

8-1.UFO EXPRESS Ass'y-2

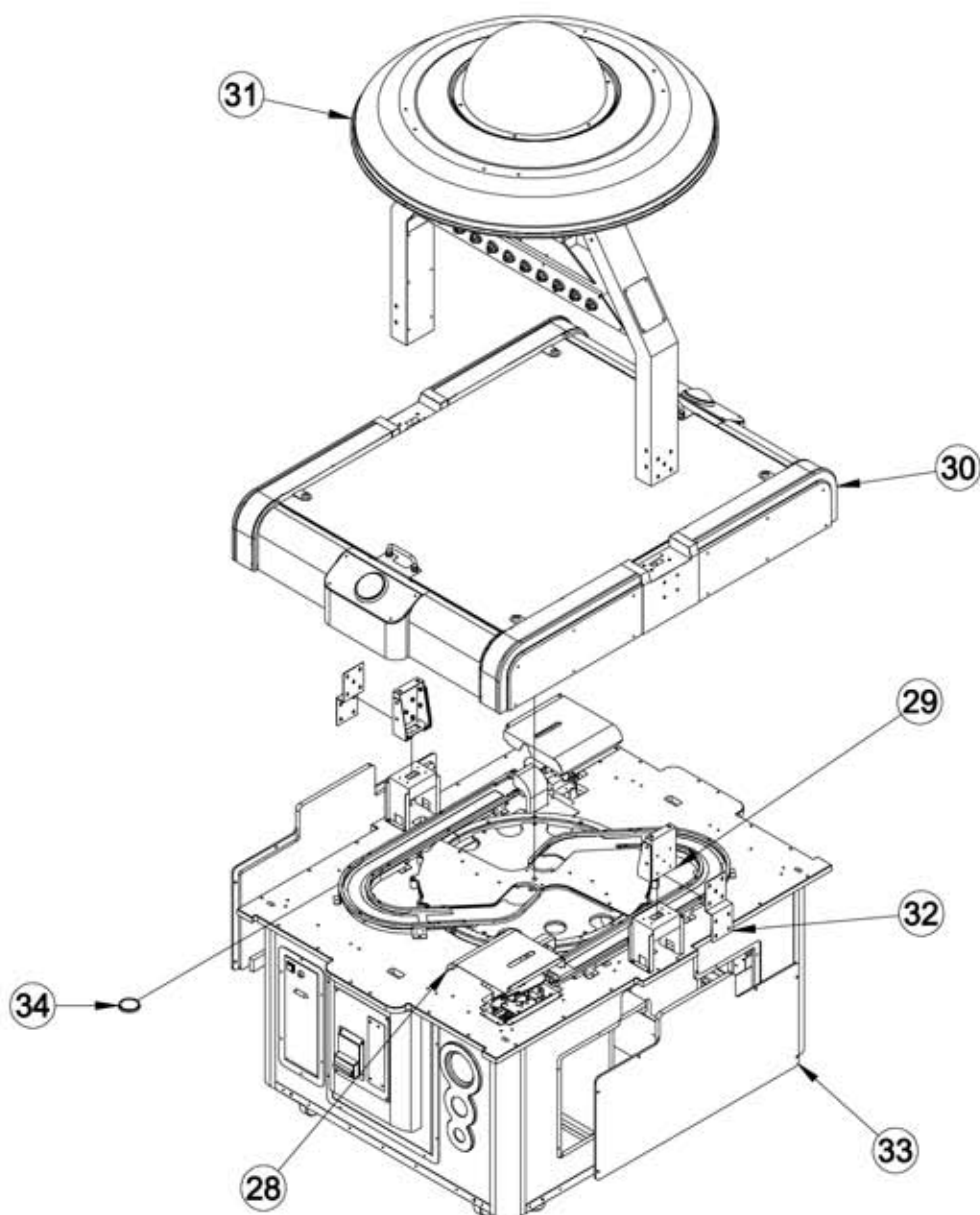
AUFE0000007



NO.	Code Number	QUANTITY	PART NAME	SPEC.
16	AUFE0000018	2	FRONT DOOR Ass'y	ASSEMBLE
17	AUFE0000023	1	WHEEL BASE Ass'y	ASSEMBLE
18	AUFE0000024	1	WHEEL Ass'y	ASSEMBLE
19	AUFE0000031	2	PUSH Ass'y	ASSEMBLE
20	AUFE0000017	2	ELEVATOR Ass'y	ASSEMBLE
21	AUFE0000025	2	RAIL LED Ass'y	ASSEMBLE
22	AUFE0000037	2	PUCK RAIL Ass'y	ASSEMBLE
23	MUFE0MET034	2	BILLBOARD BOTTOM FIX BKT-A	SPCC-2.0t
24	MUFE0PRO004	6	PUCK GUIDE SUPPORT	AL
25	AUFE0000036	1	PUCK GUIDE Ass'y	ASSEMBLE
26	AUFE0000038	1	MAIN BOARD Ass'y	ASSEMBLE
27	AUFE0PCB002	1	PWM 3 POINT LED(KMPWM-1303-38B) BOARD	PCB-1.6t

8-1.UFO EXPRESS Ass'y-3

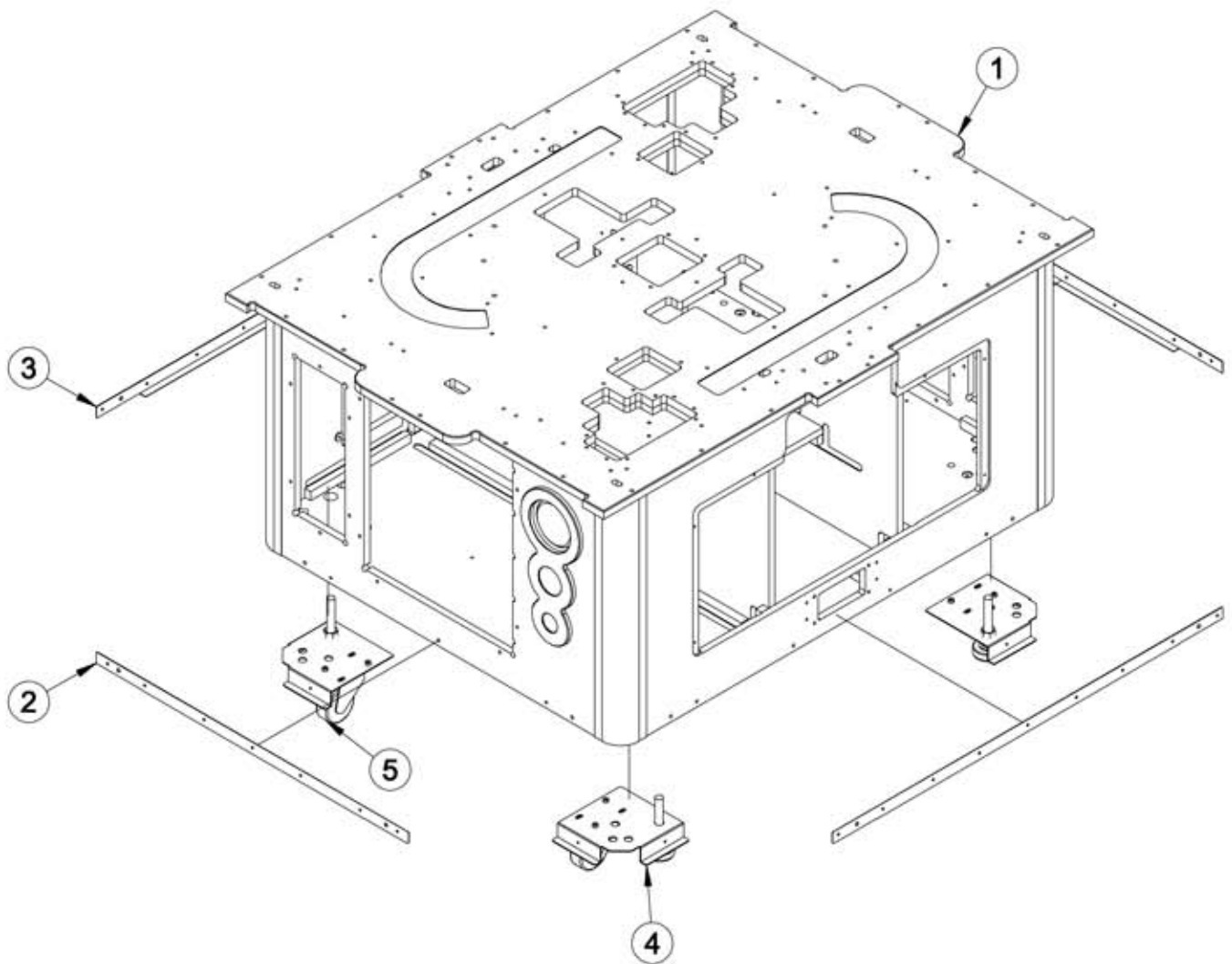
AUFE0000007



NO.	Code Number	QUANTITY	PART NAME	SPEC.
28	MUFE0MET103	2	PUSH COVER	SPCC-1.2t
29	MUFE0MET108	2	BILLBOARD BOTTOM FIX BKT WELD Ass'y	WELD Ass'y
30	AUFE0000006	1	TOP COVER Ass'y	ASSEMBLE
31	AUFE0000019	1	BILLBOARD VACCUM Ass'y	ASSEMBLE
32	MUFE0MET112	2	BILLBOARD BOTTOM FIX BKT-D	SPCC-2.0t
33	MUFE0WOO014	2	SIDE DOOR PANEL	MDF-15.0t
34	MUFE0PRO002	14	PUCK Φ60	WHITE ACETAL-10.0t

8-2.MAIN CASE Ass'y

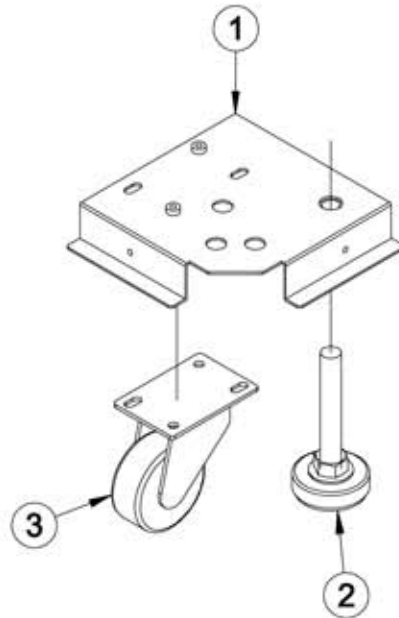
MUFE0WOO017



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	AUFE0000027	1	MAIL CABINET Ass'y	ASSEMBLE
2	MUFE0WOO003	2	FRONT BENDING	SPCC-1.2t
3	MUFE0WOO001	2	SIDE BENDING	SPCC-1.2t
4	AUFE0000003	2	CASTER Ass'y	ASSEMBLE
5	AUFE0000004	2	CASTER Ass'y_mir	ASSEMBLE

8-3.CASTER Ass'y

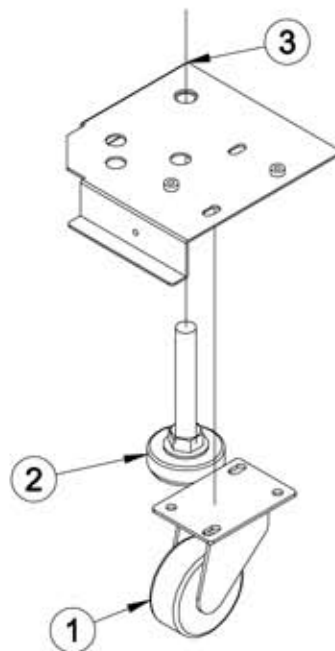
AUFE0000003



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0WOO005	1	CASTER WELD Ass'y	WELD Ass'y
2	Code No.	1	ADJUSTER (PV-100-60)	(PV-100-60)
3		1	CASTER	3inch

8-4.CASTER Ass'y_mir

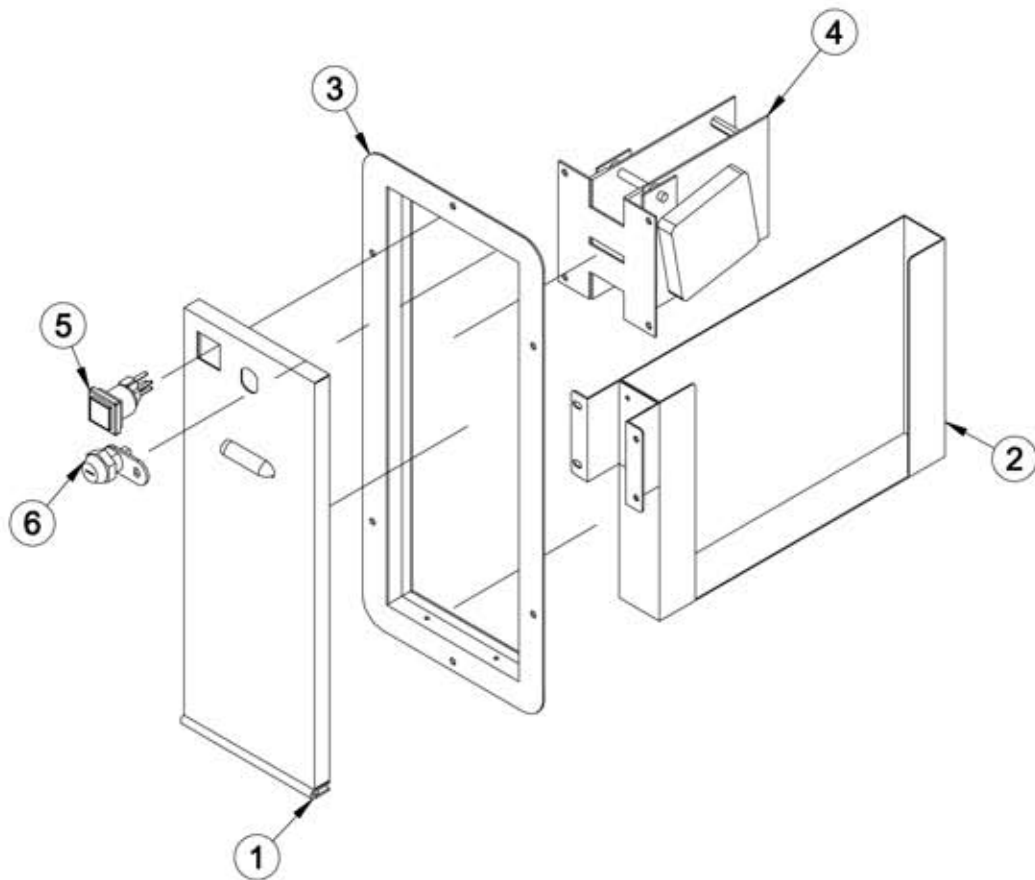
AUFE0000004



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1		1	CASTER	3inch
2	Code No.	1	ADJUSTER (PV-100-60)	(PV-100-60)
3	MUFE0WOO004	1	CASTER WELD Ass'y_mir	WELD Ass'y

8-5.TICKET BOX Ass'y

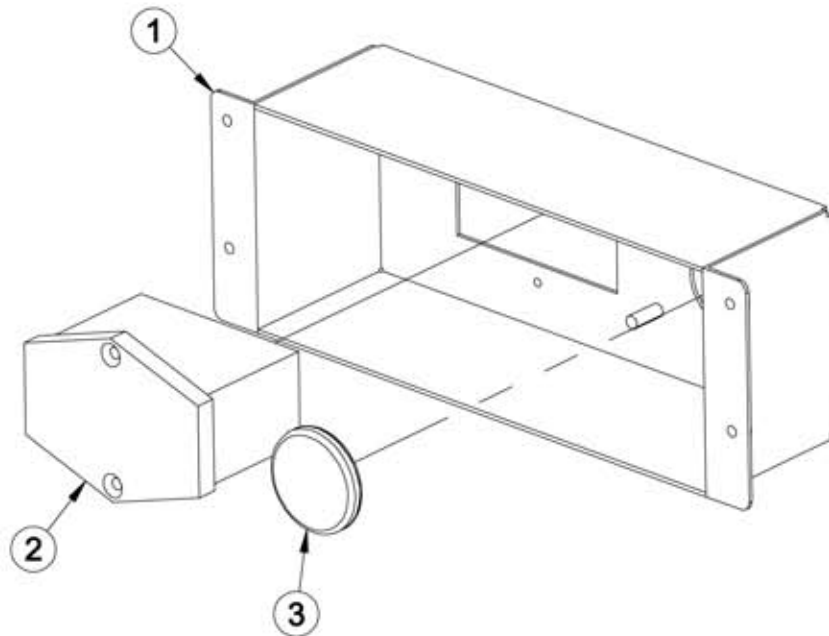
AUFE0000016



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET132	1	TICKET DOOR WELD Ass'y	WELD Ass'y
2	MUFE0MET023	1	TICKET BOX WELD Ass'y	WELD Ass'y
3	MUFE0MET011	1	TICKET DOOR COVER BKT	SPCC-1.6t
4		1	TICKET DISPENSOR	ENTROPY 2000
5	MHA20000007	1	BUTTON	AM1PB-26SH-R12D
6	MZZZ0KEY032	1	KEY Ass'y 7001	7001

8-6.NOISE FILTER Ass'y

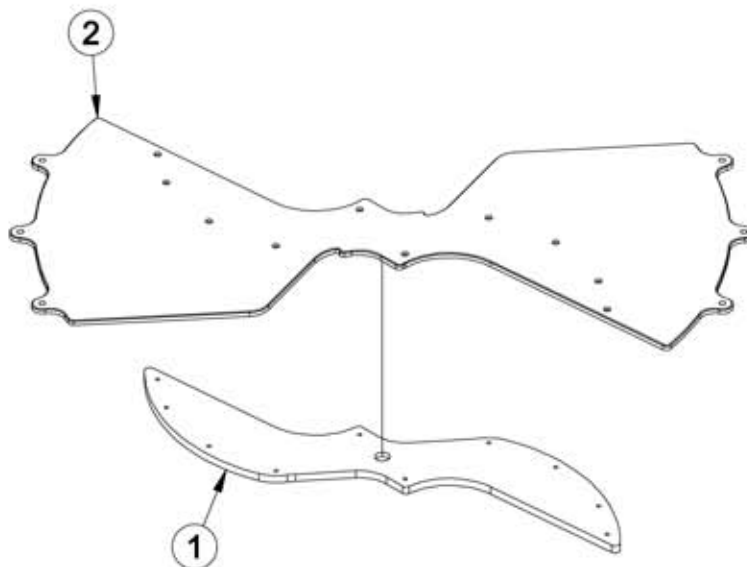
AUFE0000005



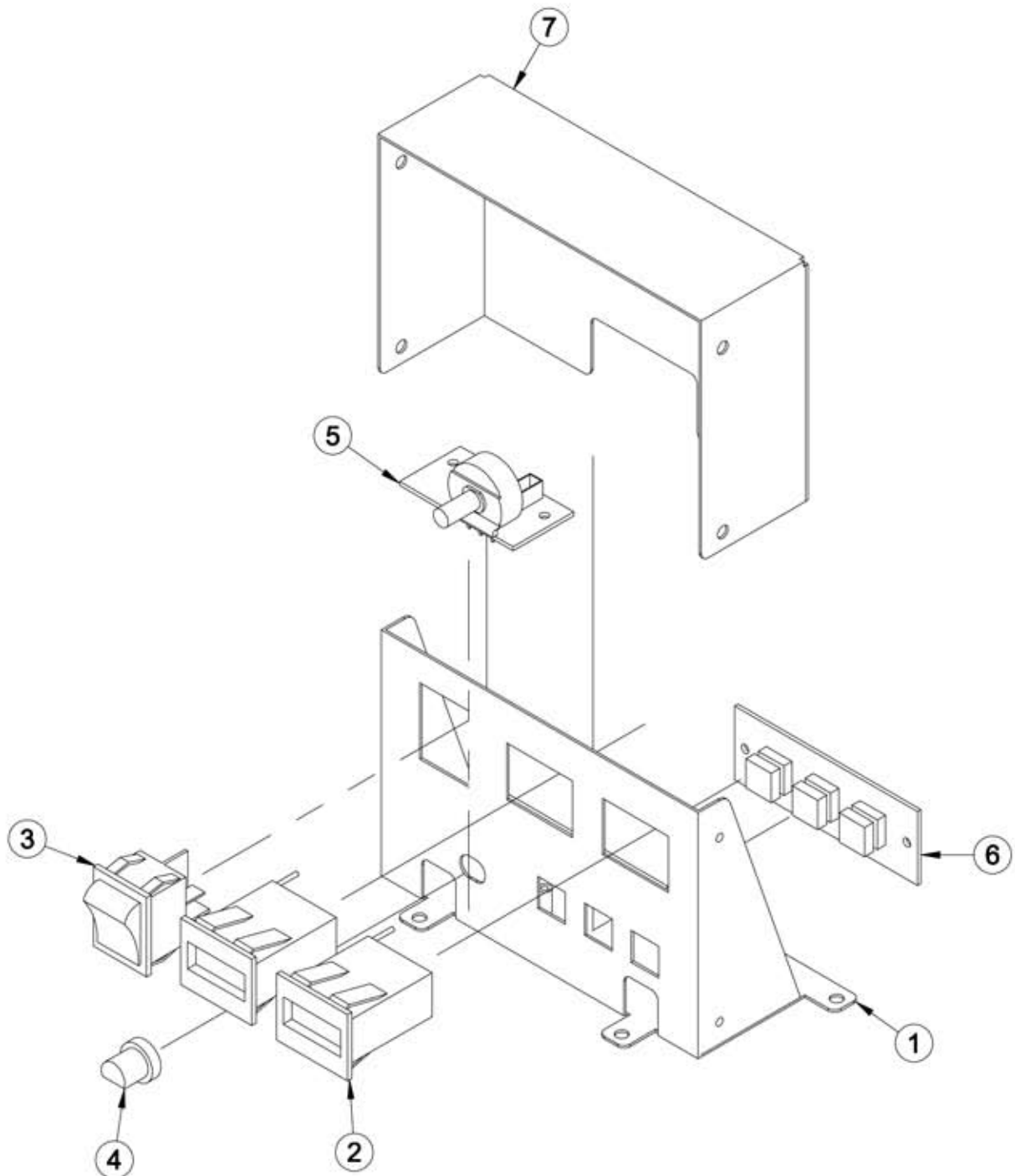
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET074	1	NOISE FILTER BKT	SPCC-1.2t
2	MELE0NOI002	1	NOISE FILTER	IP-0642-H2
3	MZZZ0RUB005	1	BUSHING(WIRE)	25Φ

8-7.PUCK GUIDE Ass'y

AUFE0000036



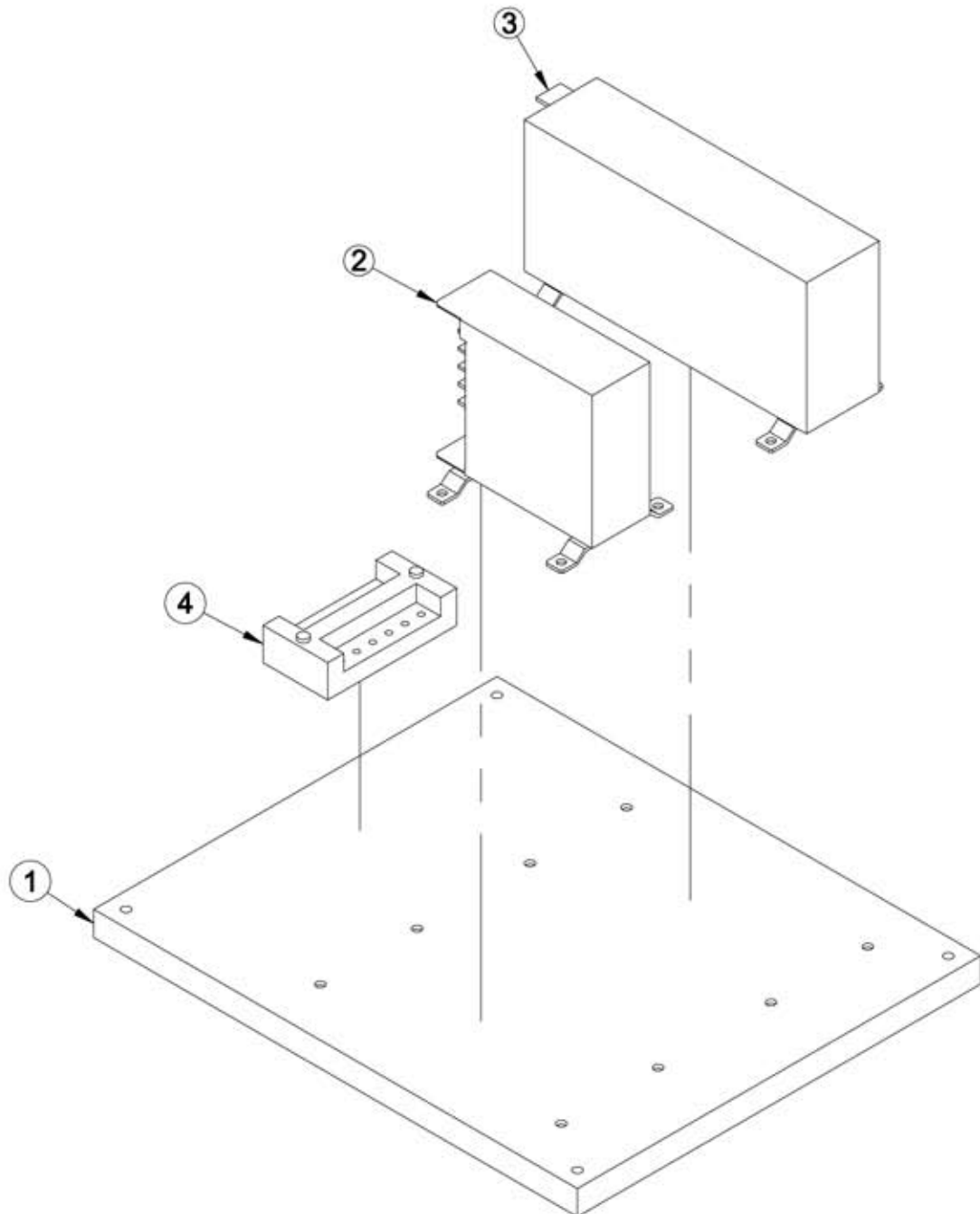
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0ACR001	1	PUCK GUIDE	CLEAR
2	MUFE0ACR002	1	PUCK GUIDE COVER ACRYL	ACRYL-5.0t

8-8.AC POWER SWITCH Ass'y**AUFE0000008**

NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET037	1	AC POWER SWITCH BRACKET	SPCC-1.0t
2	MZZZ0COU002	2	COUNTER	AMMC-712(OA127CL)
3	MELE0SWI004	1	ROCKER SWITCH	T-125 4P
4	MELE0VOL007	1	VOLUME KNOB	DREAMBOX
5	AMUN0PCB003	1	VR(KMAMP-VR) BOARD	ALLAB,COUNT,SPACE,KEY
6	AGKM0BOA001	1	SETUP BUTT-3-SW(KMMB 121101-100A) BOARD	BUTTON-3
7	MUFE0MET057	1	AC POWER SWITCH BKT COVER	SPCC-1.0t

8-9.POWER SMPS Ass'y

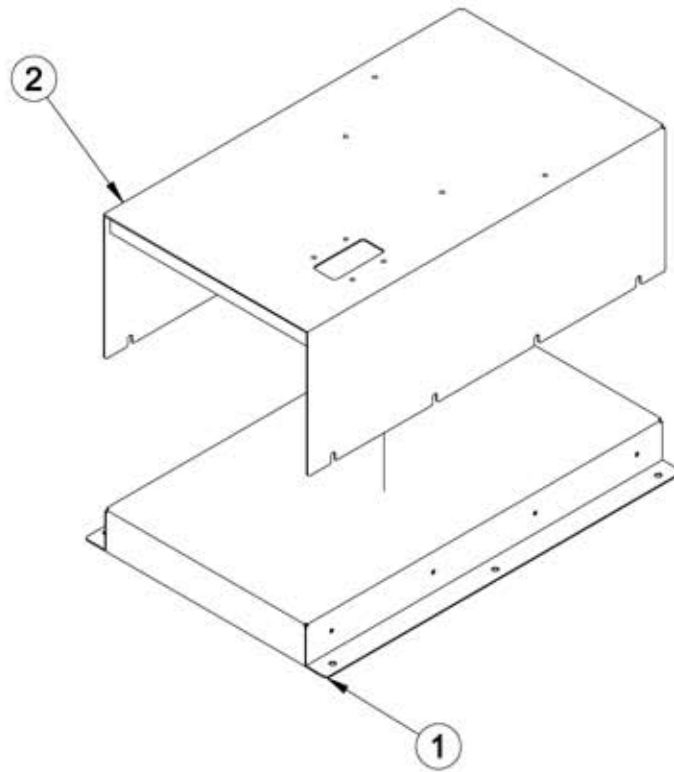
AUFE0000035



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0WOO018	1	SMPS PLATE	PW-15.0t
2	MELE0SMP035	1	POWER SMPS 5V (ORIENT)	JSF35-05 (5V,7A)
3	MELE0SMP036	1	POWER SMPS 12V (ORIENT)	CSF150-12 (12V,12.5A)
4	MELE0TEB001	1	TERMINAL BLOCK (6P)	6P UL

8-10.CASH BOX BODY Ass'y

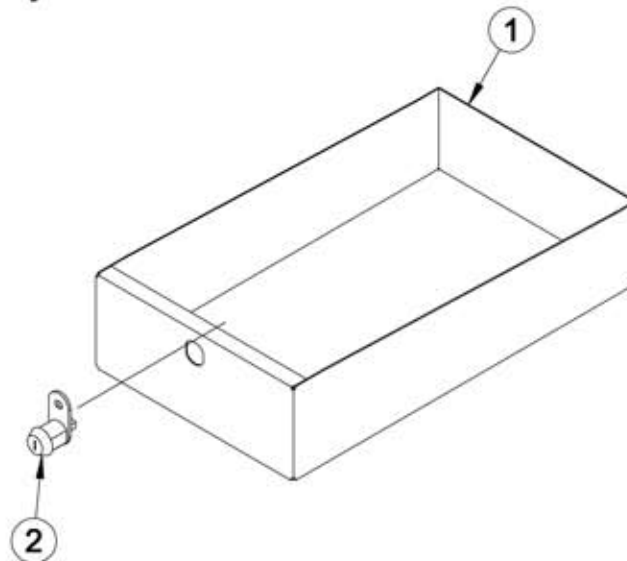
AUFE0000002



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET095	1	CASH BOX BODY BOTTOM	SPCC-1.2t
2	MUFE0MET091	1	CASH BOX BODY COVER WELD Ass'y	WELD Ass'y

8-11.CASH BOX Ass'y

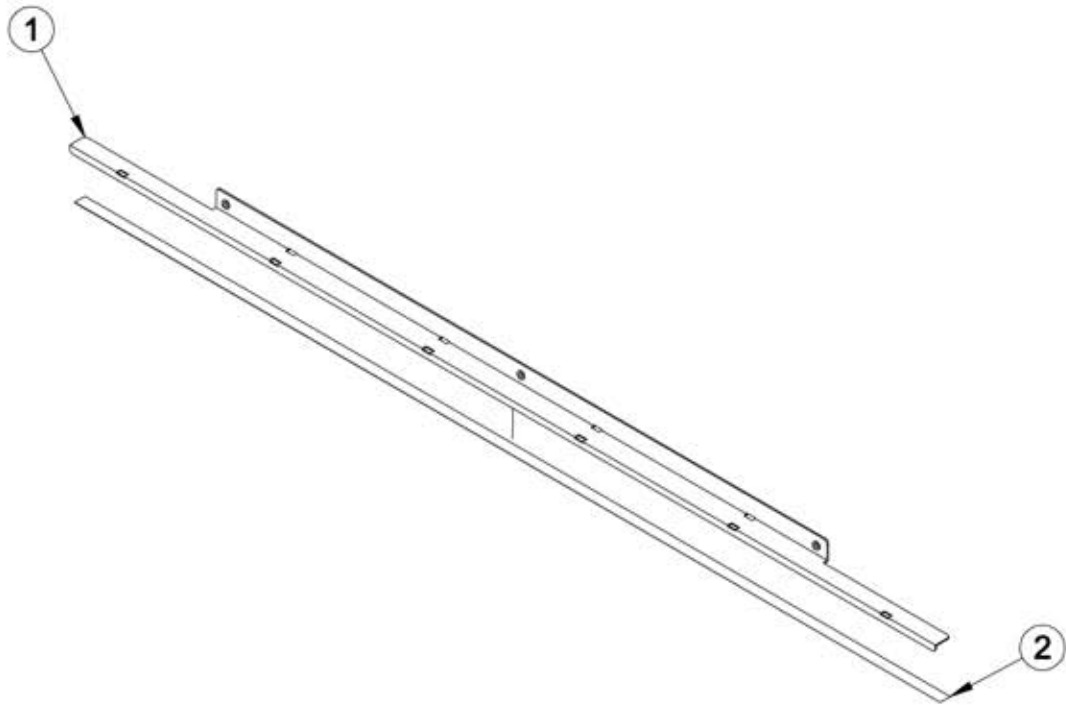
AUFE0000001



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET079	1	CASH BOX	SPCC-1.2t
2	MZZZ0KEY013	1	KEY ASS'Y	6001

8-12.BOTTOM FLEXIBLE LED-A Ass'y

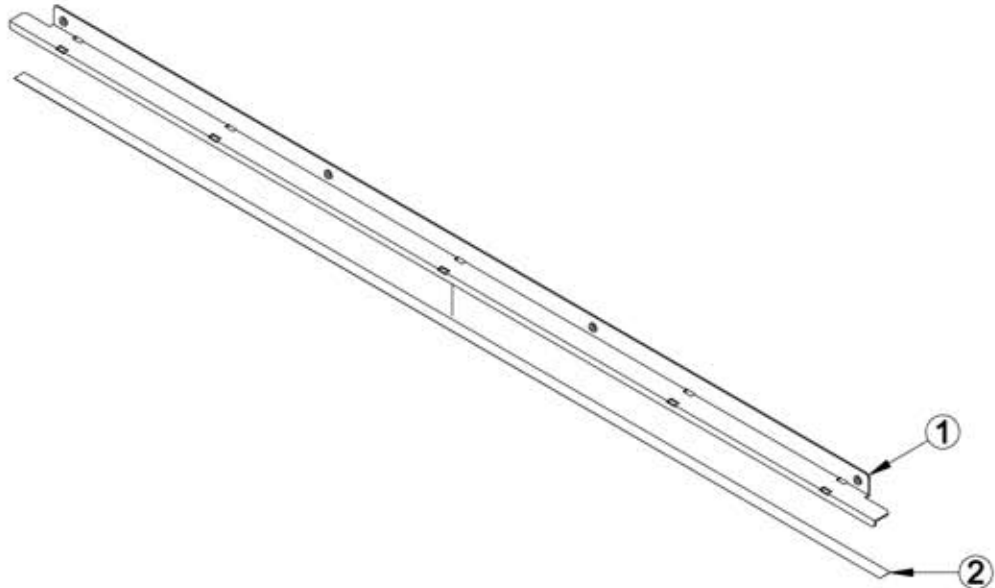
AUFE0000013



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET113	1	BOTTOM LED BKT-A	SPCC-1.2t
2	AUFE0PCB015	1	BOTTOM LED FLEXIBLE	T5050 TOP 850L

8-13.BOTTOM FLEXIBLE LED-B Ass'y

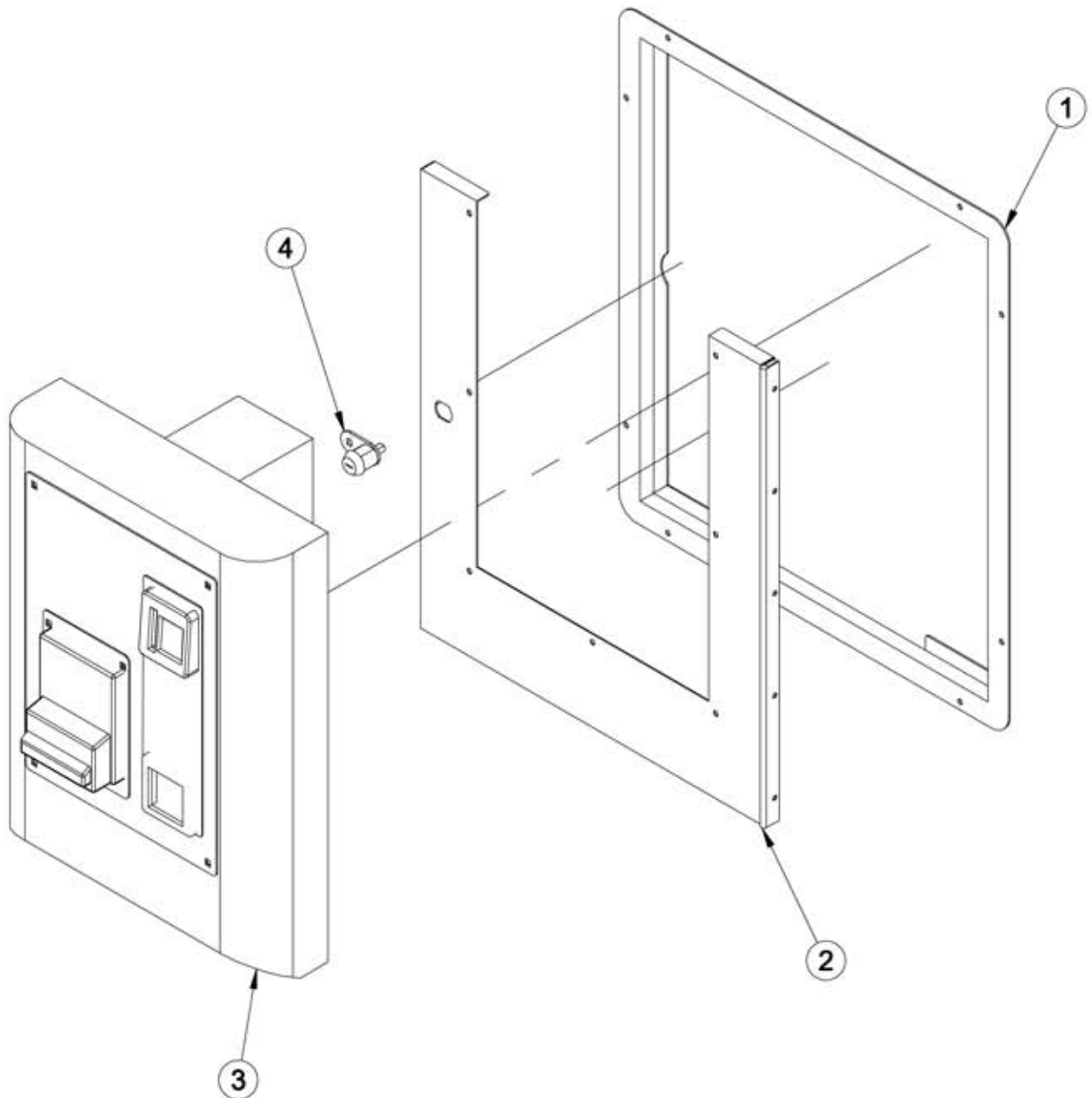
AUFE0000012



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET014	1	BOTTOM LED BKT-B	SPCC-1.2t
2	AUFE0PCB015	1	BOTTOM LED FLEXIBLE	T5050 TOP 850L

8-14.FRONT DOOR Ass'y

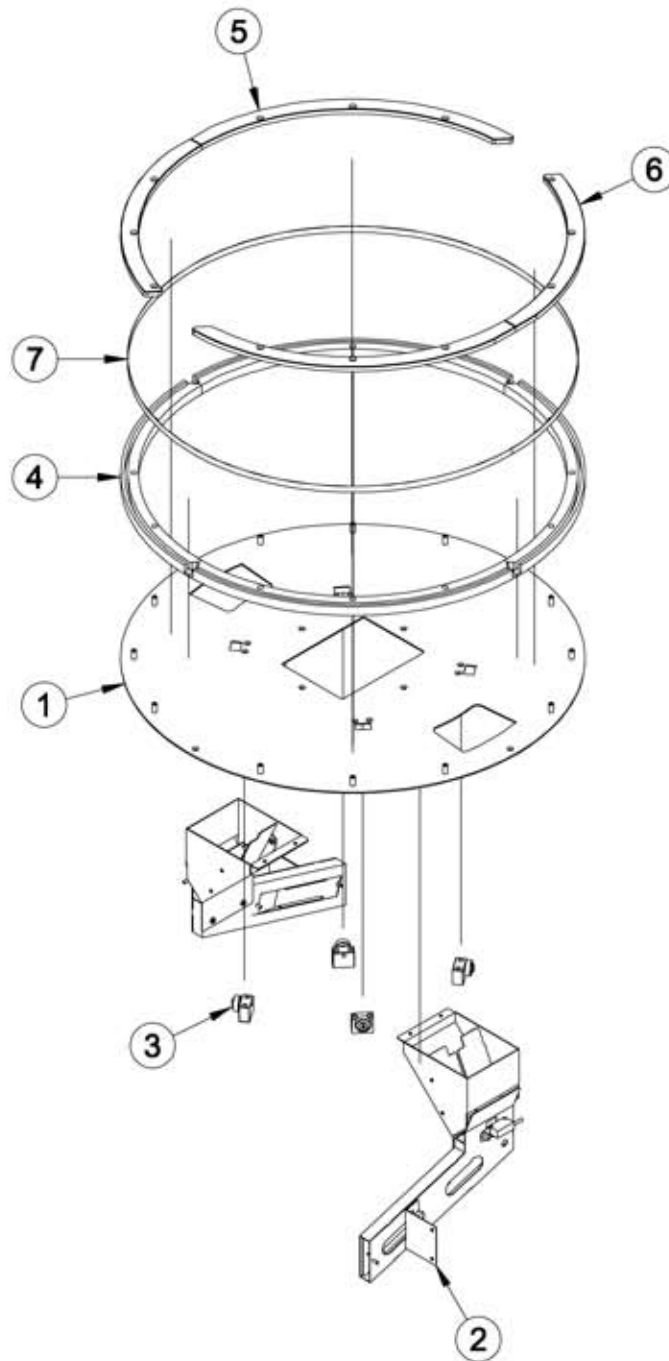
AUFE0000018



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET056	1	FRONT DOOR COVER BKT	SPCC-1.6t
2	MUFE0MET004	1	FRONT DOOR WELD Ass'y	WELD Ass'y
3	AUFE0000009	1	COIN BOX Ass'y	ASSEMBLE
4	MZZZ0KEY032	1	KEY ASS'Y	7001

8-16.WHEEL BASE Ass'y

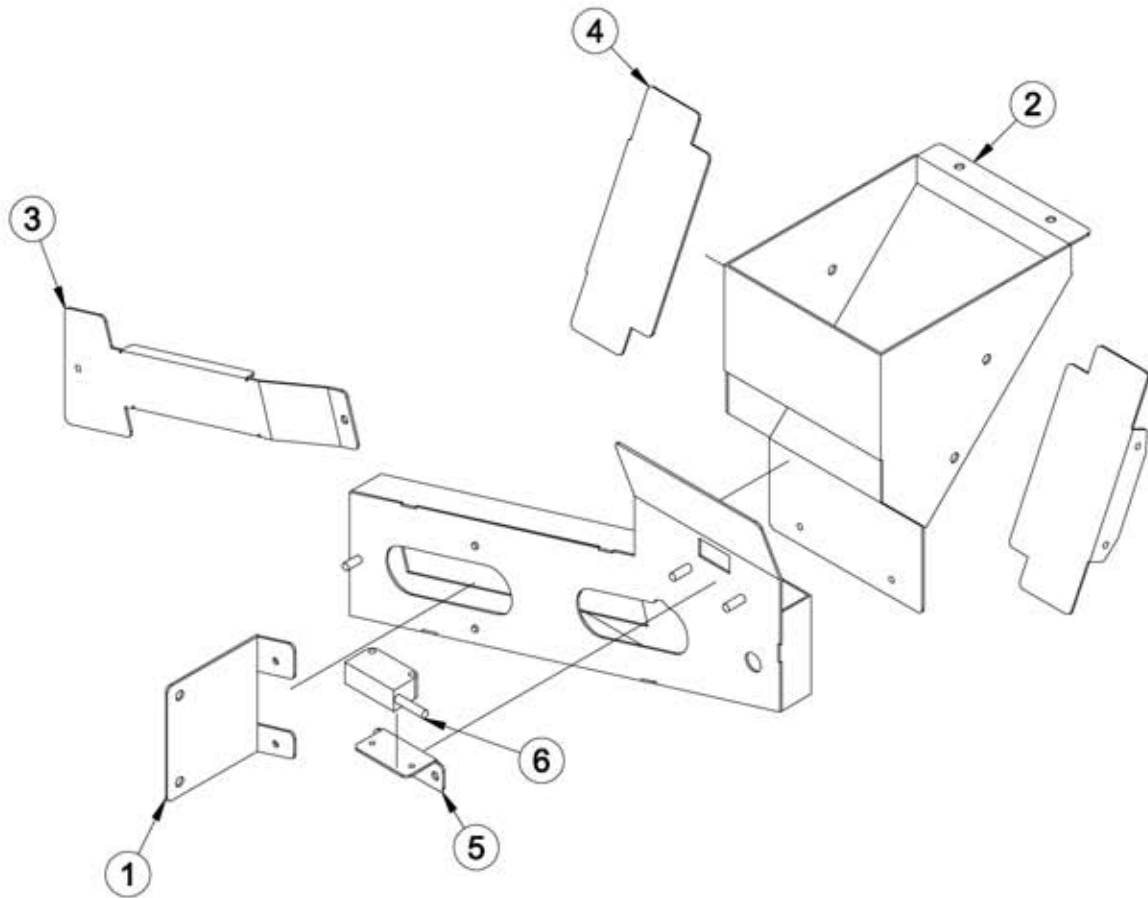
AUFE0000023



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET029	1	WHEEL BASE PANEL	SPCC-2.0t
2	AUFE0000034	2	PUCK SLOPE Ass'y	ASSEMBLE
3	AUFE0000022	4	WHEEL BASE BEARING BLOCK Ass'y	ASSEMBLE
4	MUFE0ACR013	4	WHEEL ACETAL SIDE PANEL	WHITE LIGHT ACRYL-15.0t
5	MUFE0ACR026	2	WHEEL ACETAL SIDE PANEL UP	WHITE LIGHT ACRYL-8.0t
6	MUFE0ACR009	2	WHEEL ACETAL SIDE PANEL UP-A	WHITE LIGHT ACRYL-8.0t
7	AUFE0PCB009	1	WHEEL BASE LED FLEXIBLE	T5050 TOP 1950L

8-17.PUCK SLOPE Ass'y

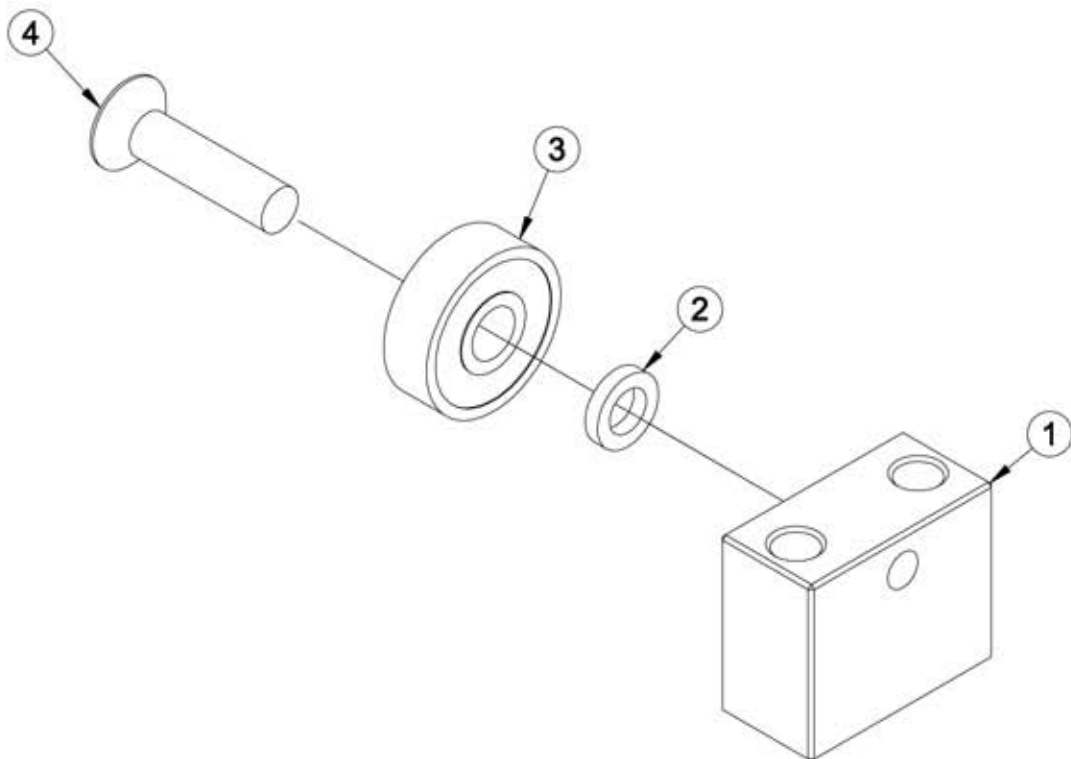
AUFE0000034



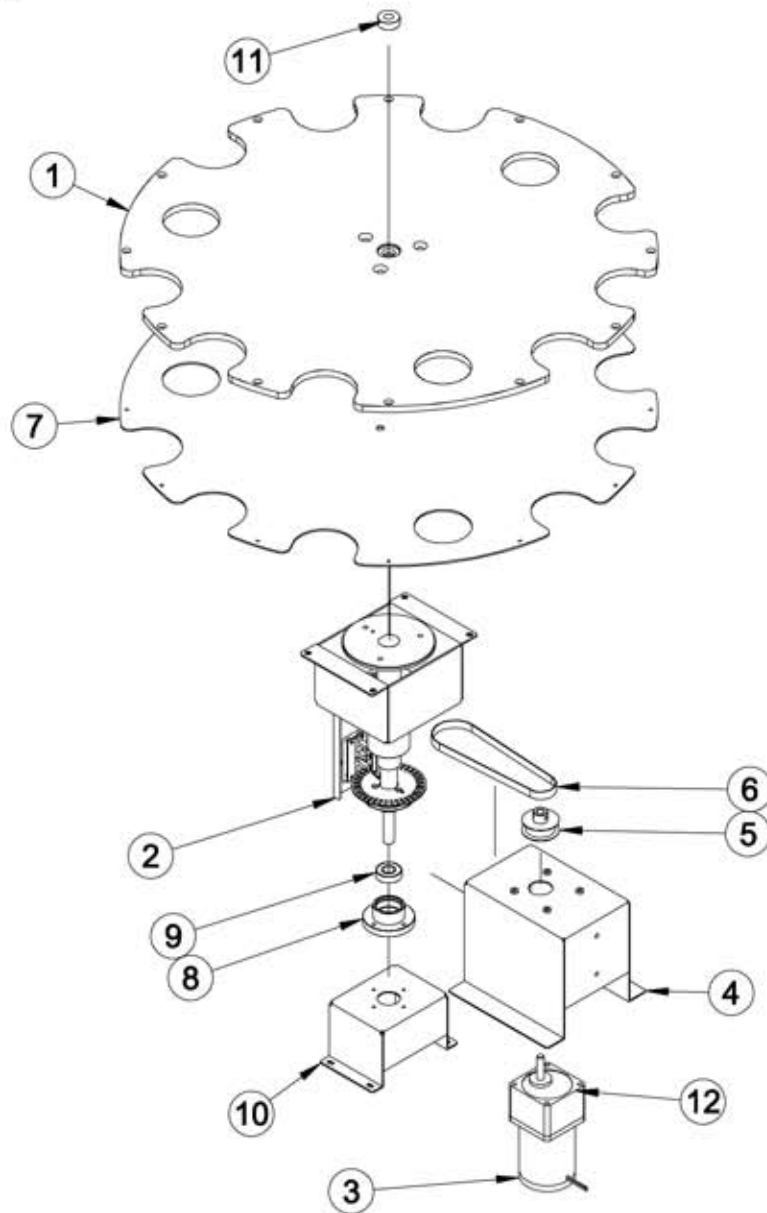
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET093	1	PUCK SLOPE WELD Ass'y	WELD Ass'y
2	MUFE0MET085	1	PUCK HOLE JP BKT	SPCC-1.2t
3	MUFE0MET092	1	PUCK SLOPE GUIDE BKT	SPCC-1.0t
4	MUFE0MET084	2	PUCK HOLE GUIDE	SPCC-1.2t
5	MUFE0MET076	1	PHOTO SENSOR BKT	SPCC-1.2t
6	MELE0PHO001	1	BYD SERIES	BYD50-DDT

8-18.WHEEL BASE BEARING BLOCK Ass'y

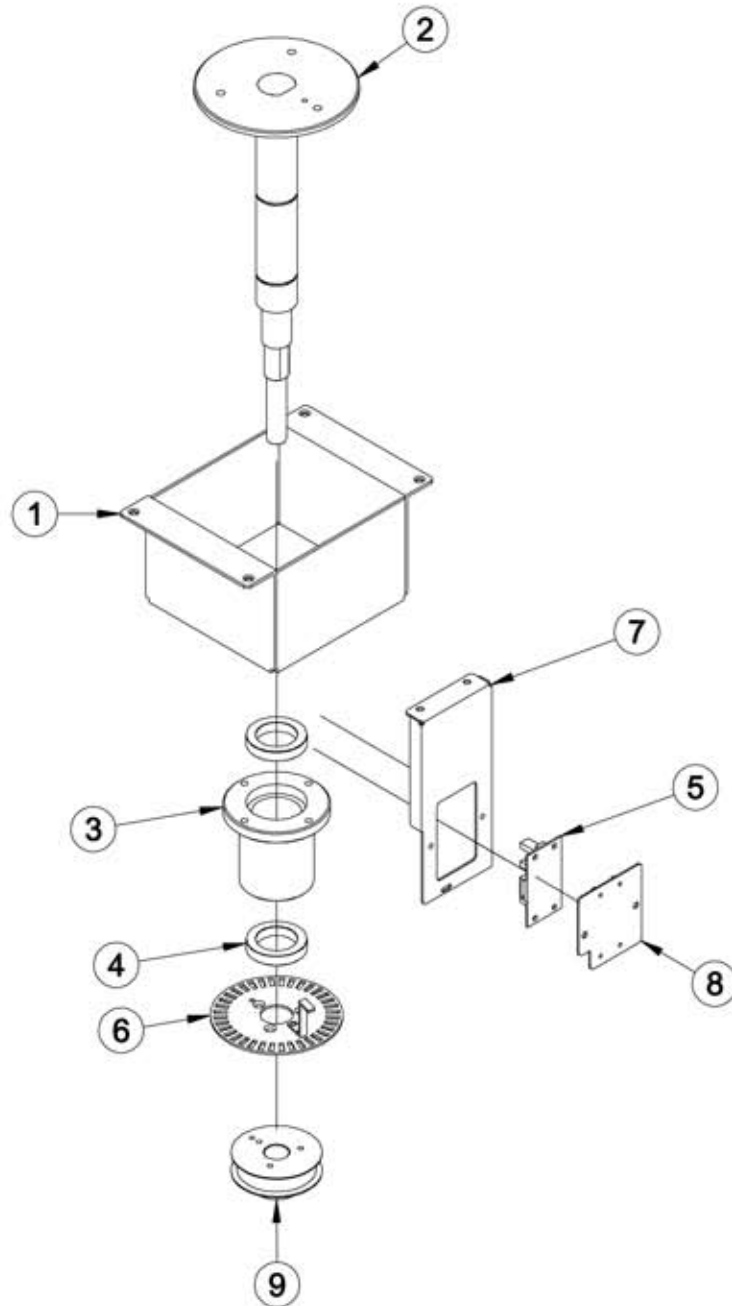
AUFE0000022



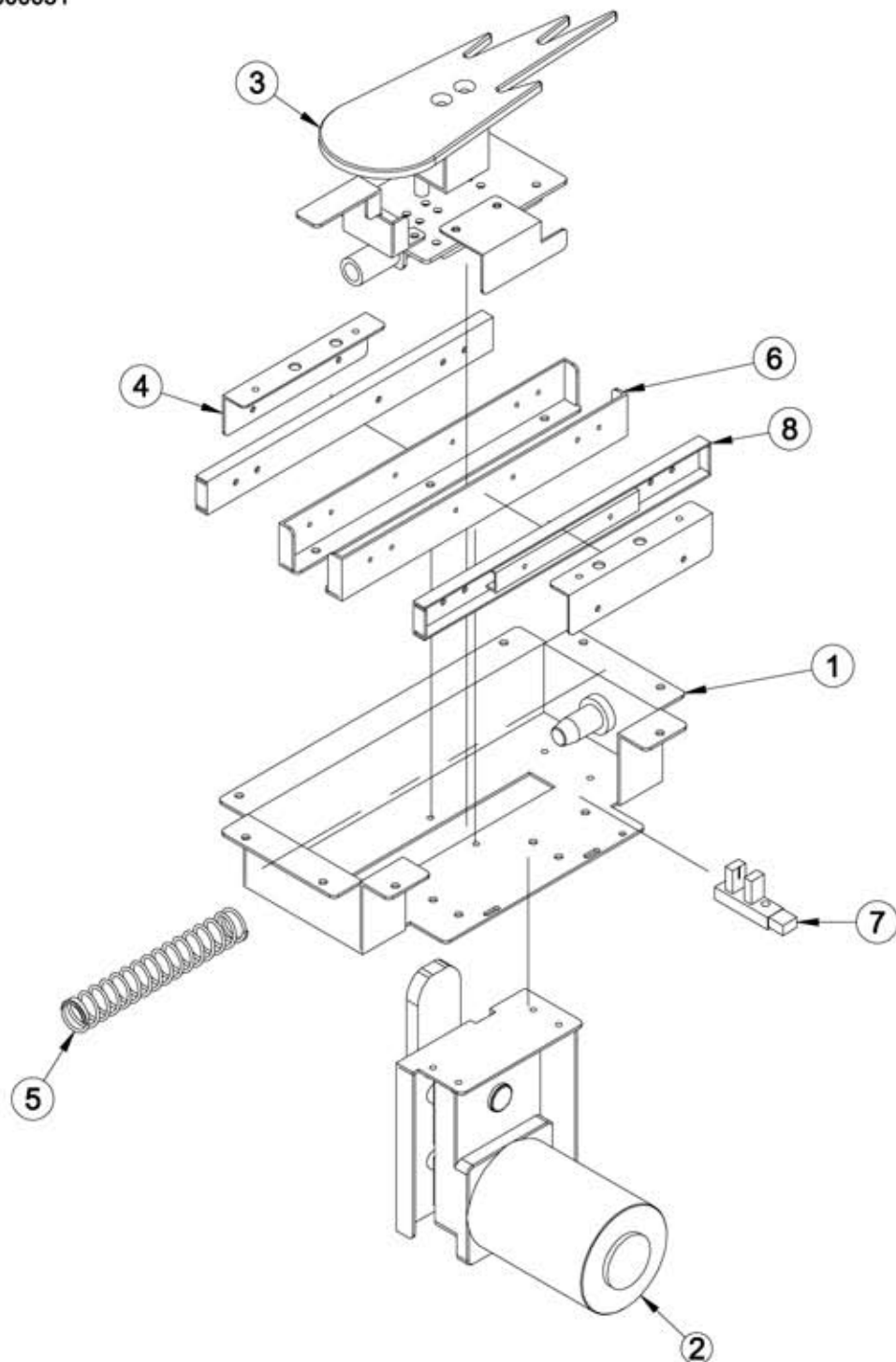
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0PRO015	1	WHEEL BASE BEARING BLOCK	SC45C
2	MUFE0PRO001	1	BEARING BUSHING	BRASS
3	MLIM0BEA003	1	Bearing 627ZZ	627ZZ
4	-	1	FLAT HEAD M6 X 25L	M6 X 25

8-19.WHEEL Ass'y**AUFE0000024**

NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0ACR006	1	WHEEL ACETAL PANEL	CLEAR
2	AUFE0000026	1	WHEEL SHAFT Ass'y	ASSEMBLE
3	MSTB0000015	1	MOTOR	K6DG-DC12V-15W ST/B
4	MUFE0MET114	1	WHEEL MOTER BKT	SPCC-1.6t
5	MUFE0PRO005	1	WHEEL MOTER PULLEY	AL
6	MZZZ0BEL009	1	TIMING BELT(152XL037)	152XL037
7	MUFE0MET120	1	WHEEL PLATE	SUS304-2.0t
8	MUFE0PRO008	1	WHEEL SHAFT SUPPORT HOUSING	SS41
9	MZZZ0BEA050	1	BEARING 6001Z	6001ZZ
10	MUFE0MET107	1	WHEEL SHAFT SUPPORT BKT	SPCC-1.6t
11	MZZZ0BEA051	1	BEARING 51100	51100
12	MZZZ0MOS007	1	MOTOR(GEAR REDUCER)	K6G-180C

8-20.WHEEL SHAFT Ass'y**AUFE0000026**

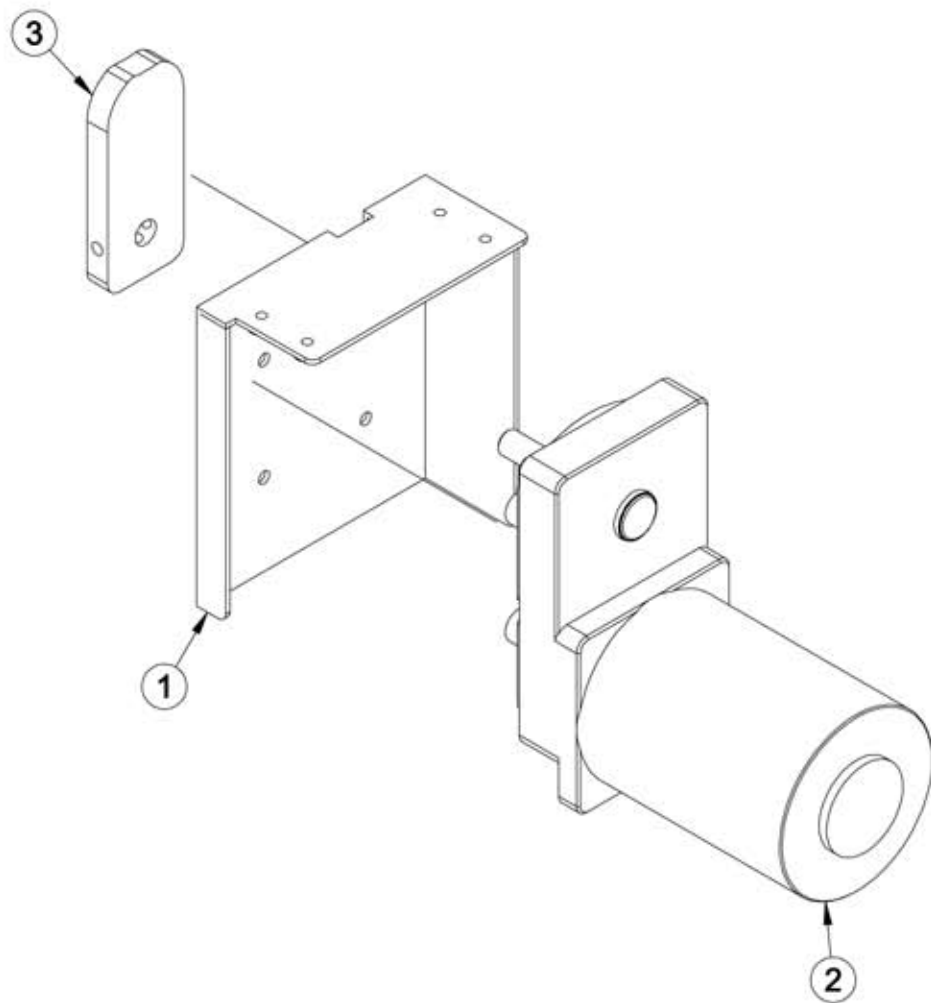
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET017	1	WHEEL SHAFT HOUSING BKT	SPCC-2.0t
2	MUFE0PRO014	1	WHEEL SHAFT WELD Ass'y	WELD Ass'y
3	MUFE0PRO016	1	WHEEL SHAFT HOUSING	SS41
4	MZZZ0BEA046	2	BEARING 6805ZZ	6805ZZ
5	ATIM0PCB012	1	POHTO SENSOR(KMTM081101A) BOARD	TIMING,COUNT,SPACE,
6	MUFE0MET001	1	WHEEL ENCODER WELD Ass'y	
7	MUFE0MET059	1	SENSOR PCB BKT	SPCC-1.2t
8	MUFE0MET058	1	SENSOR PCB FIX BKT	SPCC-1.2t
9	MUFE0PRO003	1	WHEEL SHAFT PULLEY	AL

8-21.PUSH Ass'y**AUFE0000031**

NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET051	1	SLIDE BASE BKT WELD Ass'y	WELD Ass'y
2	AUFE0000029	1	PUSH MOTOR Ass'y	ASSEMBLE
3	AUFE0000021	1	SLIDE TOP BKT Ass'y	ASSEMBLE
4	MUFE0MET046	2	SLIDE INNER FIX BKT	SPCC-1.2t
5	MUFE0SPR001	1	SPRING	HSW-1.6t X 113.2L
6	MUFE0MET043	2	LINEAR MOTION SLIDE FIX BKT	SPCC-1.6t
7	MLIM0PHO001	1	SINKO SENSOR	SINKO:KI669
8	MZZZ0000422	2	LINEAR MOTION SLIDE	SANGIN 2011-200

8-22.PUSH MOTOR Ass'y

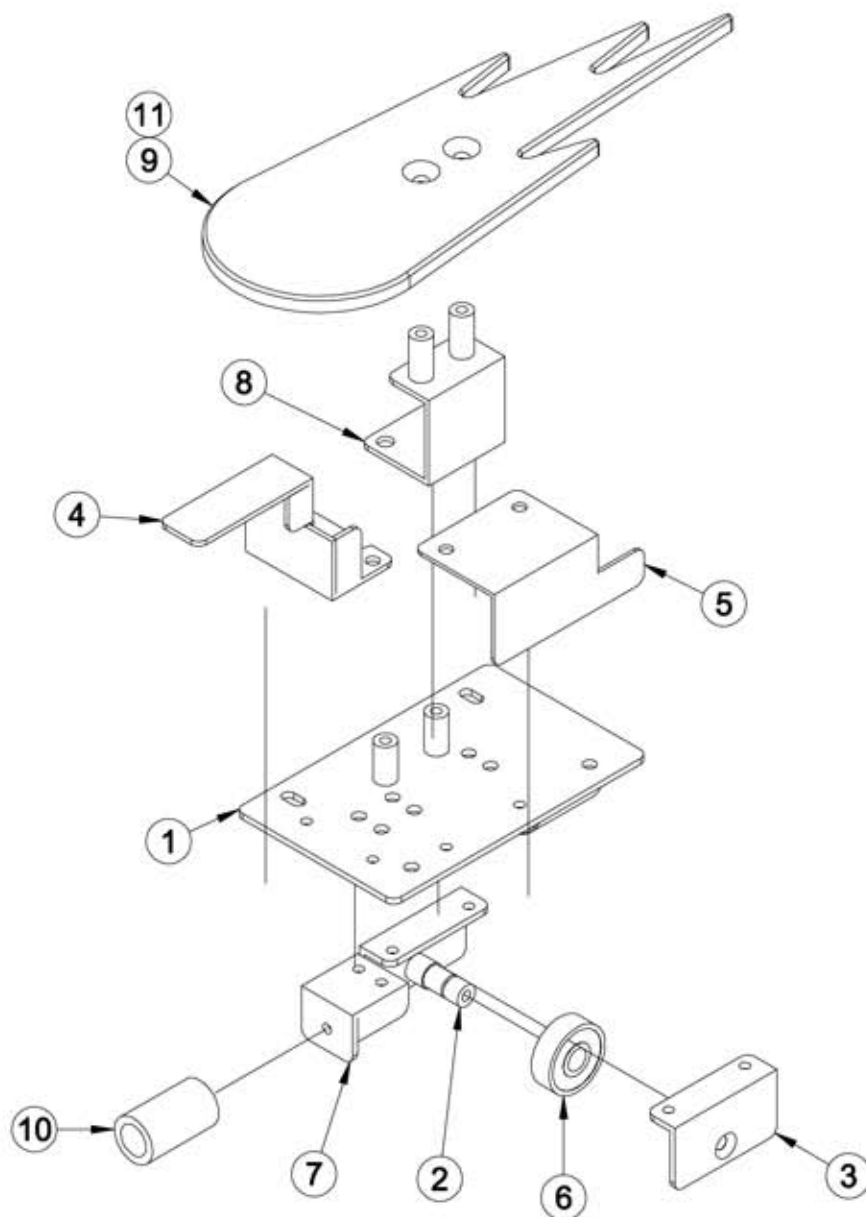
AUFE0000029



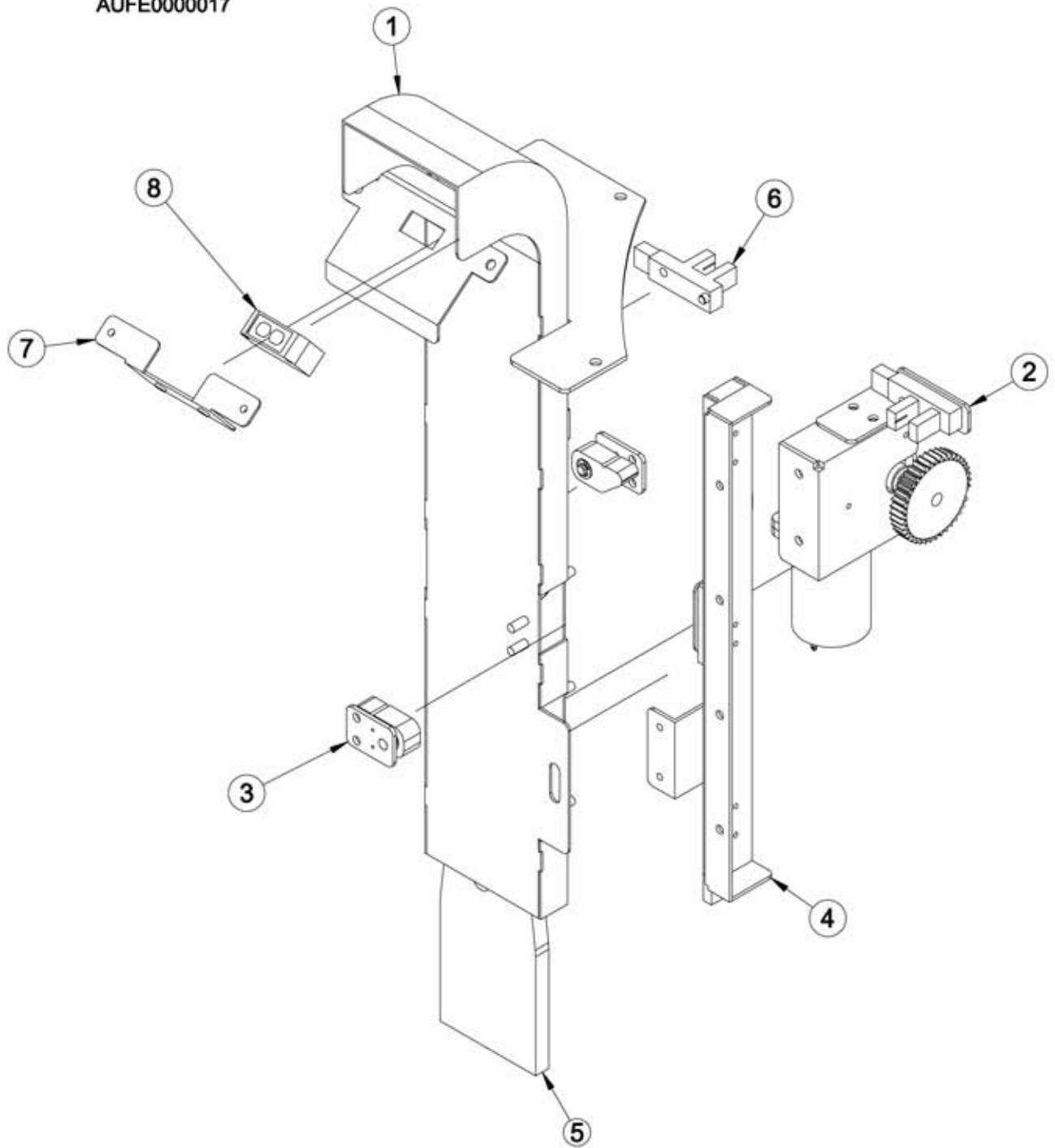
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET072	1	MOTOR BKT	SPCC-1.6t
2	MTIM0MOT002	1	MOTOR	KGY-075-SSF-01(K6DG15N
3	MUFE0PRO009	1	LINK	SS41

8-23.SLIDE TOP BKT Ass'y

AUFE0000021



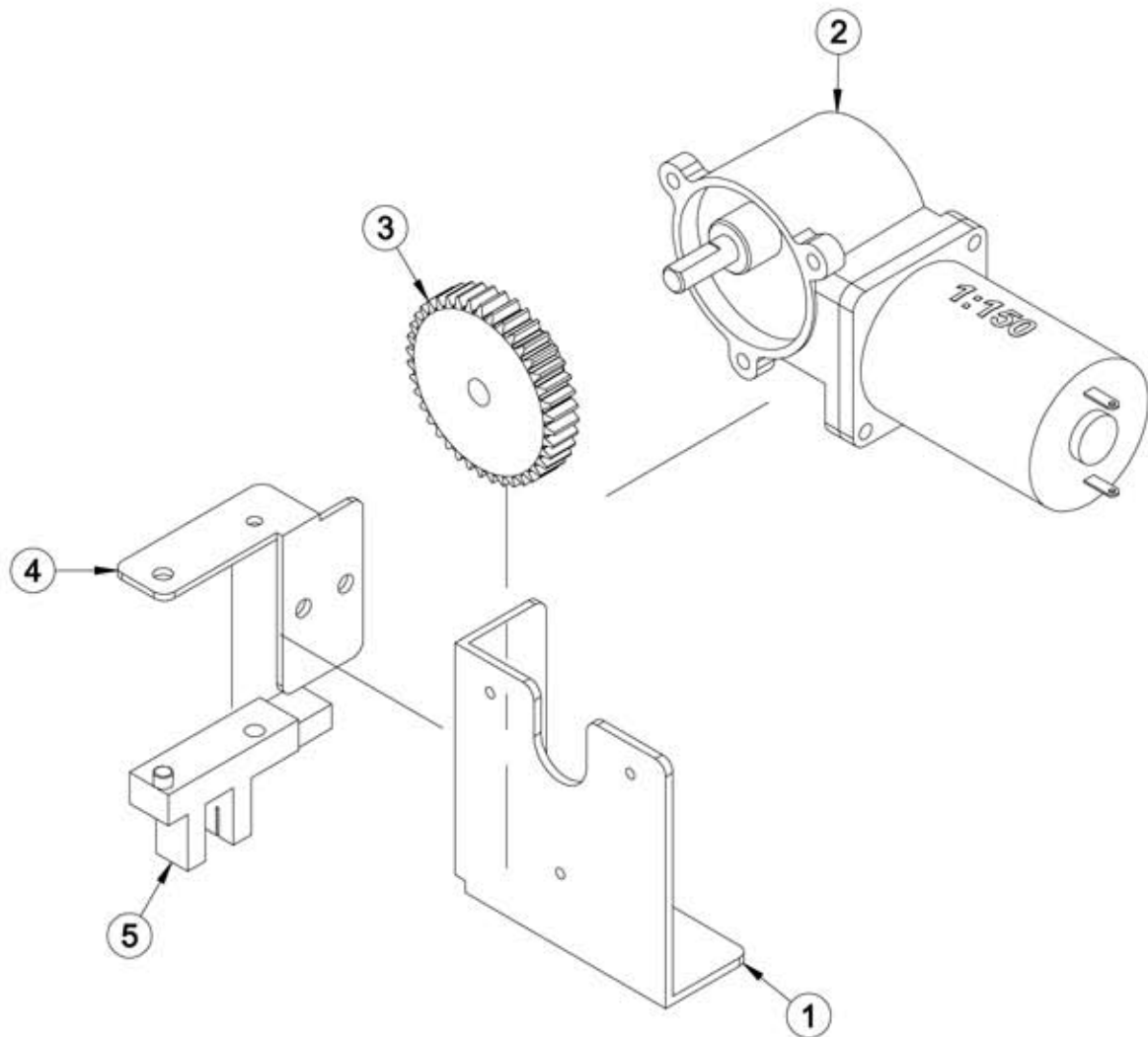
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET041	1	SLIDE TOP BKT WELD Ass'y	WELD Ass'y
2	MUFE0MET049	1	LINK PIN BKT WELD Ass'y	WELD Ass'y
3	MUFE0MET048	1	LINK PIN BKT-R	SPCC-2.0t
4	MUFE0MET086	1	PUCK PUSH ACETAL FIX BKT	SPCC-1.6t
5	MUFE0MET075	1	SENSOR FIX BKT	SPCC-1.2t
6	MLIM0BEA003	1	Bearing 627ZZ	627ZZ
7	MUFE0MET106	1	PUSH STOPPER BKT	SPCC-2.0t
8	MUFE0MET100	1	PUSH ACRYL BKT	SPCC-1.6t
9	MUFE0SHE004	1	PUSH ACRYL 1P	CLEAR
10	MUFE0PRO012	1	URETHANE	URETHANE (우레탄)
11	MUFE0SHE005	1	PUSH ACRYL 2P	CLEAR

8-24.ELEVATOR Ass'y**AUFE0000017**

NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET125	1	E_L BODY WELD Ass'y	WELD Ass'y
2	AUFE0000014	1	E_L MOTOR Ass'y	ASSEMBLE
3	AUFE0000033	2	PUCK STOPPER Ass'y	ASSEMBLE
4	AUFE0000028	1	RACK GEAR Ass'y	ASSEMBLE
5	MUFE0ACR017	1	E_L PUCK PUSH ACETAL	WHITE ABS-8.0t
6	MLIM0PHO001	1	SINKO SENSOR	SINKO:KI669
7	MUFE0MET124	1	E_L BYD SENSOR BKT	SPCC-1.2t
8	MELE0PHO001	1	BYD SERIES	BYD50-DDT

8-25.E_L MOTOR Ass'y

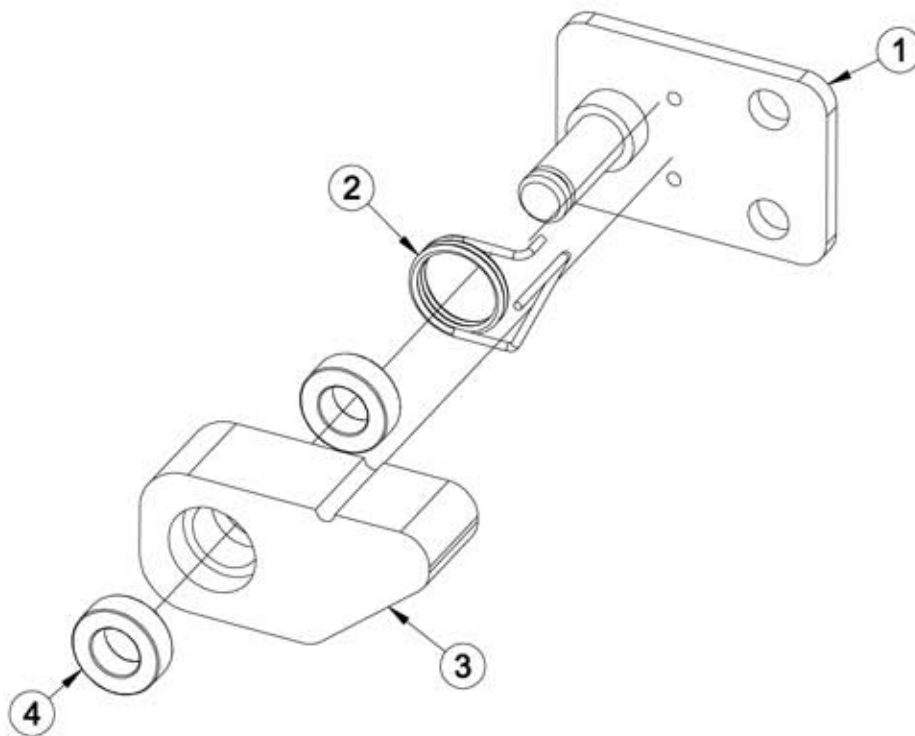
AUFE0000014



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET122	1	E_L MOTOR BKT	SPCC-2.0t
2	Code No.	1	MOTOR	KWC-150-3448D (1/150)
3	MUFE0PRO010	1	SLIDE GEAR	AL
4	MUFE0MET118	1	E_L SENSOR FIX BKT-DW	SPCC-1.6t
5	MLIM0PHO001	1	SINKO SENSOR	SINKO:KI669

8-26.PUCK STOPPER Ass'y

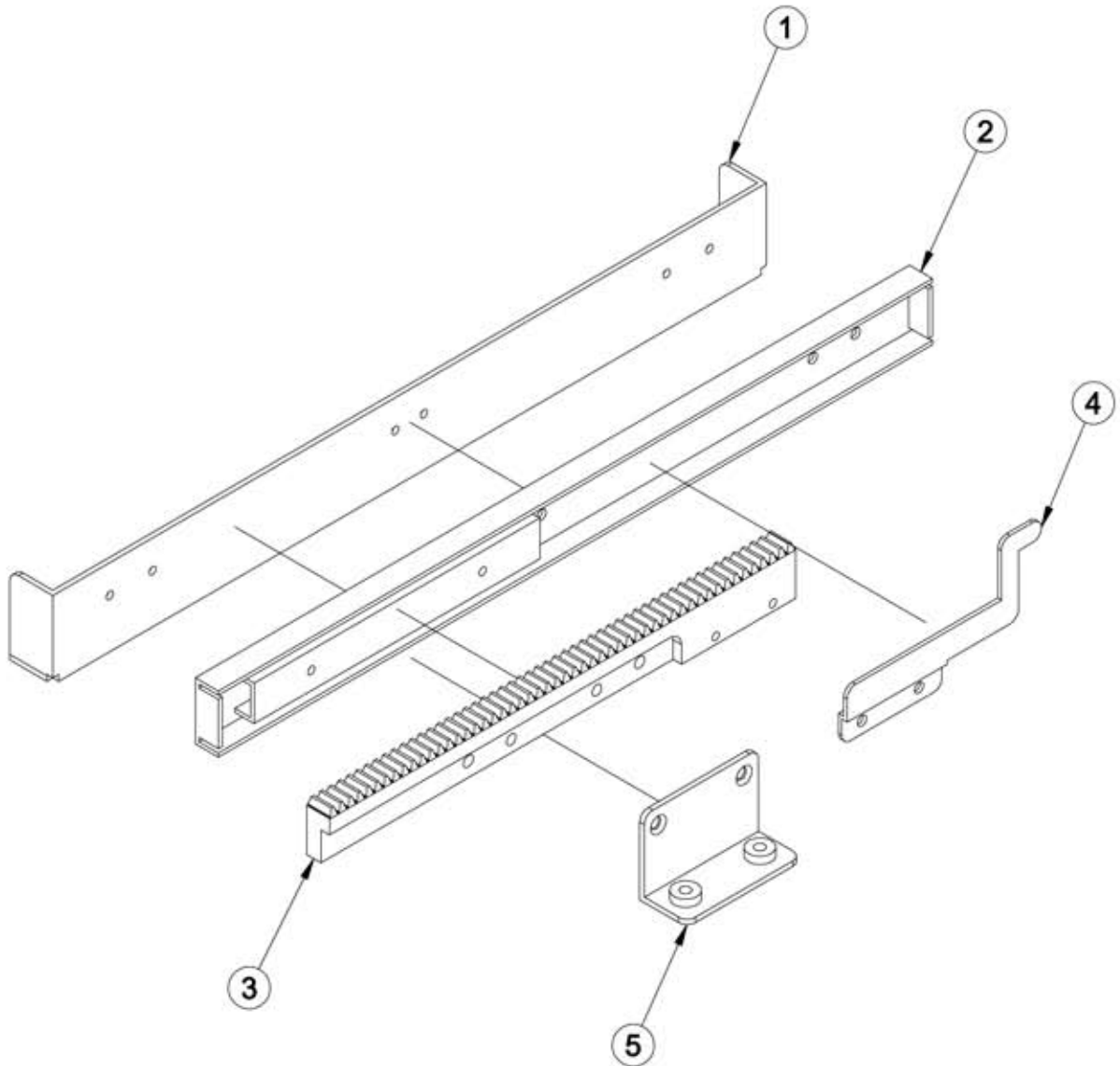
AUFE0000033



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET097	1	PUCK STOPPER PIN WELD Ass'y	WELD Ass'y
2	MUFE0SPR002	1	TORSION SPRING	SUS-0.8t
3	MUFE0PRO007	1	PUCK STOPPER	WHITE ACETAL-8.0t
4	MZZZ0BEA045	2	BEARING MR95ZZ	MR95ZZ

8-27.RACK GEAR Ass'y

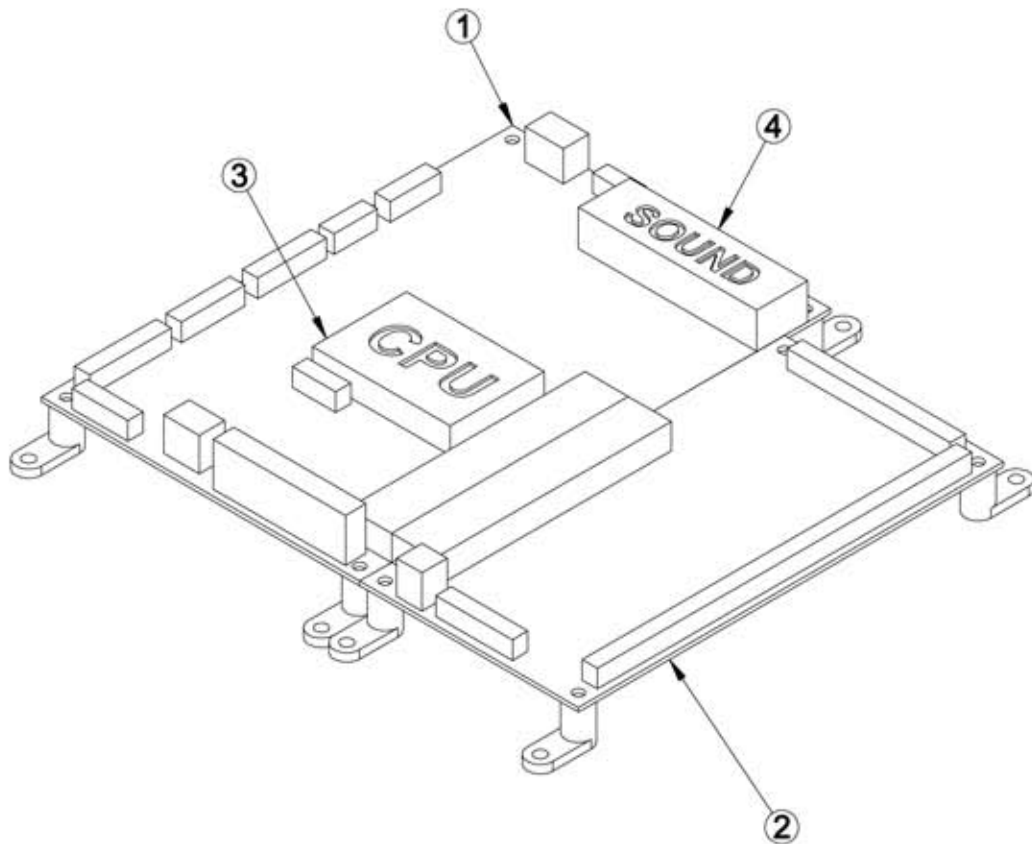
AUFE0000028



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET044	1	E_L LINEAR MOTION SLIDE FIX BKT	SPCC-1.6t
2	MZZZ0000437	1	LINEAR MOTION SLIDE	SANGIN 2011-250
3	MUFE0PRO011	1	SLIDE RACK GEAR	AL
4	MUFE0MET117	1	E_L SENSOR BKT	SPCC-1.2t
5	MUFE0MET045	1	SLIDE RACK GEAR FIX BKT	SPCC-1.6t

8-28.MAIN BOARD Ass'y

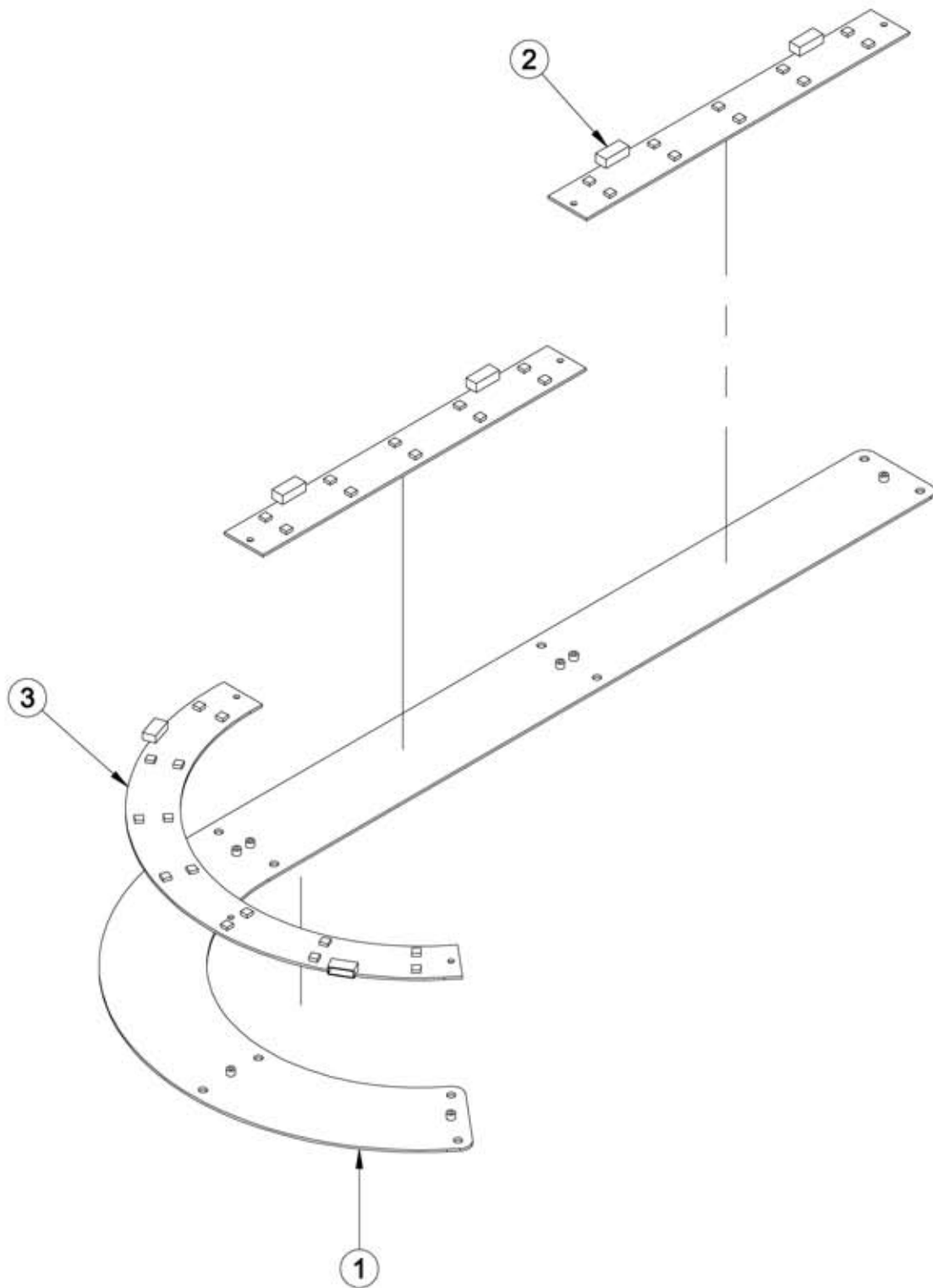
AUFE0000038



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	AUFE0PCB014	1	KOMEGA3 MAIN(12(13)09-47A)) BOARD	
2	AUFE0PCB001	1	IO(KMIO-1302-35K) BOARD	
3	AUFE0PCB011	1	CPU BOARD(KMCPU-1203-22A)-ATMEGA64	
4	AUFE0PCB012	1	SOUND(KMTM081205A) BOARD	

8-29.RAIL LED Ass'y

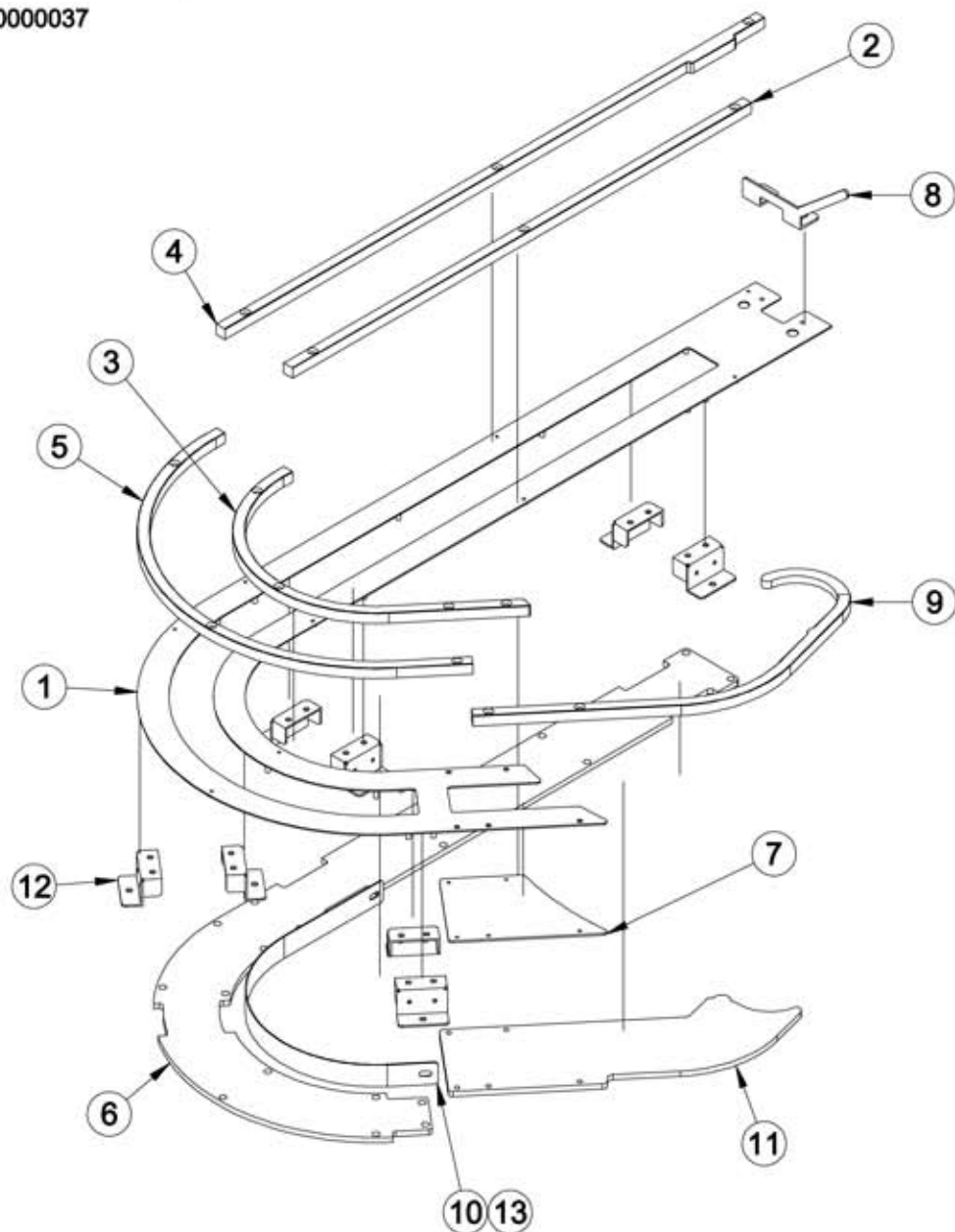
AUFE0000025



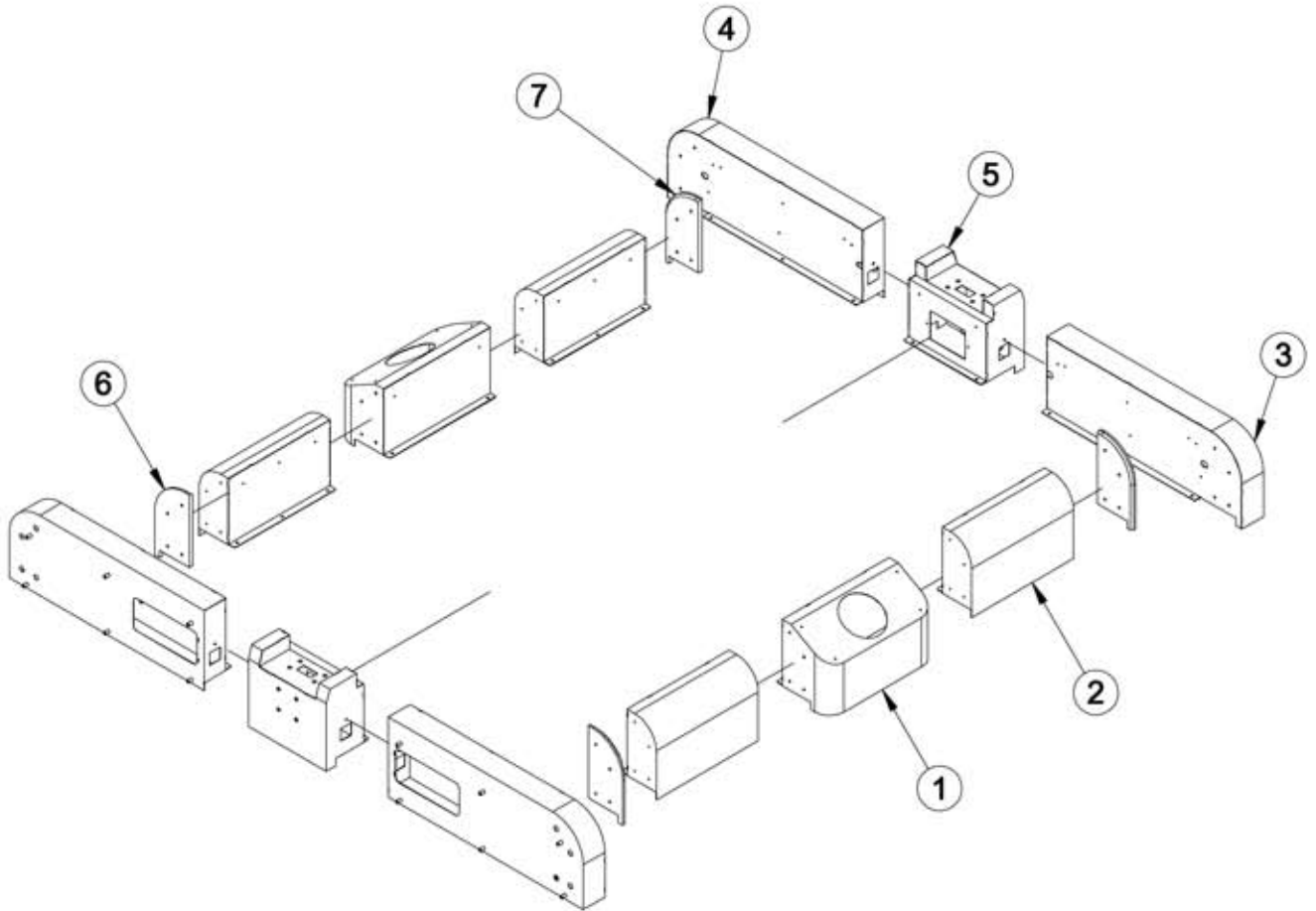
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET098	1	RAIL LED BKT	SPCC-1.6t
2	AUFE0PCB007	2	RAIL-A LED(KMLED-1302-029B) BOARD	PCB 1.6t
3	AUFE0PCB008	1	RAIL CIRCLE LED(KMLED-1302-038A) BOARD	PCB-1.6t

8-30.PUCK RAIL Ass'y

AUFE0000037



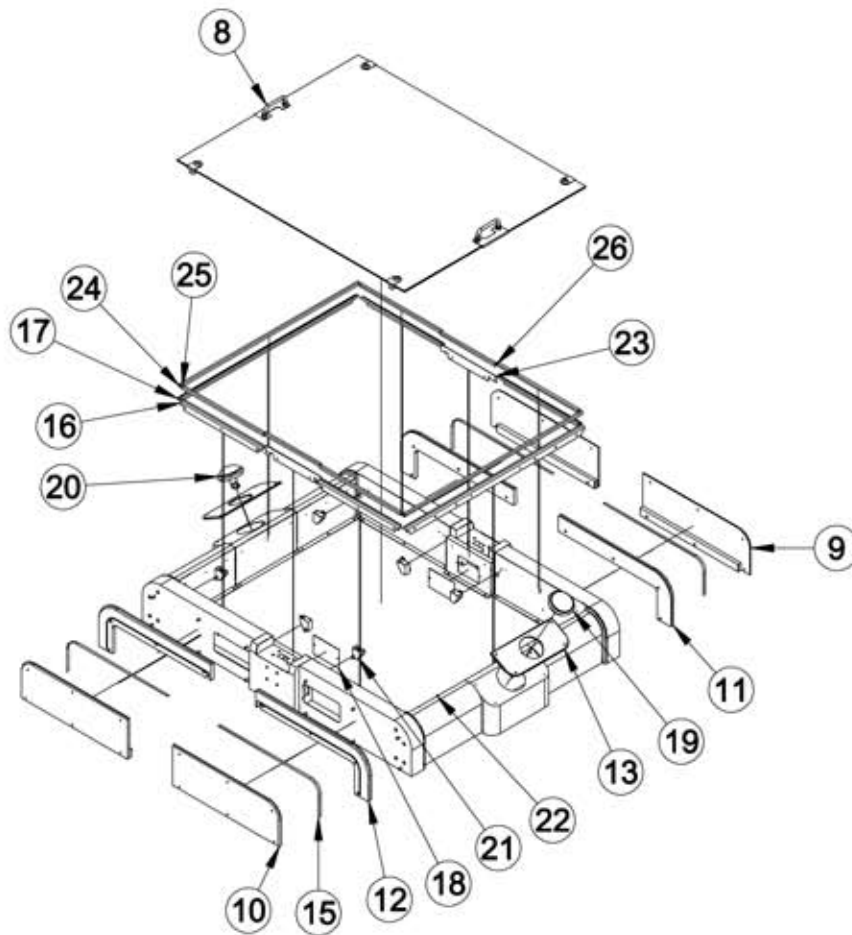
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET077	1	RAIL	SPCC-1.2t
2	MUFE0ACR011	1	RAIL IN ACRYL	CLEAR
3	MUFE0ACR004	1	CIRCLE RAIL-A IN ACRYL	CLEAR
4	MUFE0ACR015	1	RAIL OUT ACRYL	CLEAR
5	MUFE0ACR021	1	CIRCLE RAIL-A OUT ACRYL	CLEAR
6	MUFE0ACR012	1	RAIL LED ACRYL	WHITE LIGHT ACRYL-5.0t
7	MUFE0MET109	1	RAIL ACRYL FIX BKT	SPCC-1.6t
8	MUFE0MET119	1	E_L PUCK RAIL GUIDE BKT	SPCC-2.0t
9	MUFE0ACR019	1	CIRCLE RAIL-B OUT ACRYL	CLEAR
10	MUFE0SHE034	1	RAIL LED COVER PET 1P	CLEAR PET -1.0t(투명페트)
11	MUFE0ACR010	1	RAIL ACRYL	CLEAR
12	MUFE0MET111	8	RAIL FIX BKT	SPCC-1.6t
13	MUFE0SHE035	1	RAIL LED COVER PET 2P	CLEAR

8-31.TOP COVER Ass'y-1**AUFE0000006**

NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET141	2	TOP COVER FRONT BKR WELD Ass'y	WELD Ass'y
2	MUFE0MET067	4	TOP COVER FRONT SIDE BKT WELD Ass'y	WELD Ass'y
3	MUFE0MET036	2	TOP COVER SIDE BKT WELD Ass'y	WELD Ass'y
4	MUFE0MET083	2	TOP COVER SIDE BKT WELD Ass'y_mir	WELD Ass'y
5	MUFE0MET129	2	TOP COVER MIDDLE BKT WELD Ass'y	WELD Ass'y
6	MUFE0ACR022	2	TOP COVER MIDDLE ACRYL	RED ACRYL-10.0t
7	MUFE0ACR023	2	TOP COVER MIDDLE ACRYL_mir	RED ACRYL-10.0t

8-31.TOP COVER Ass'y-2

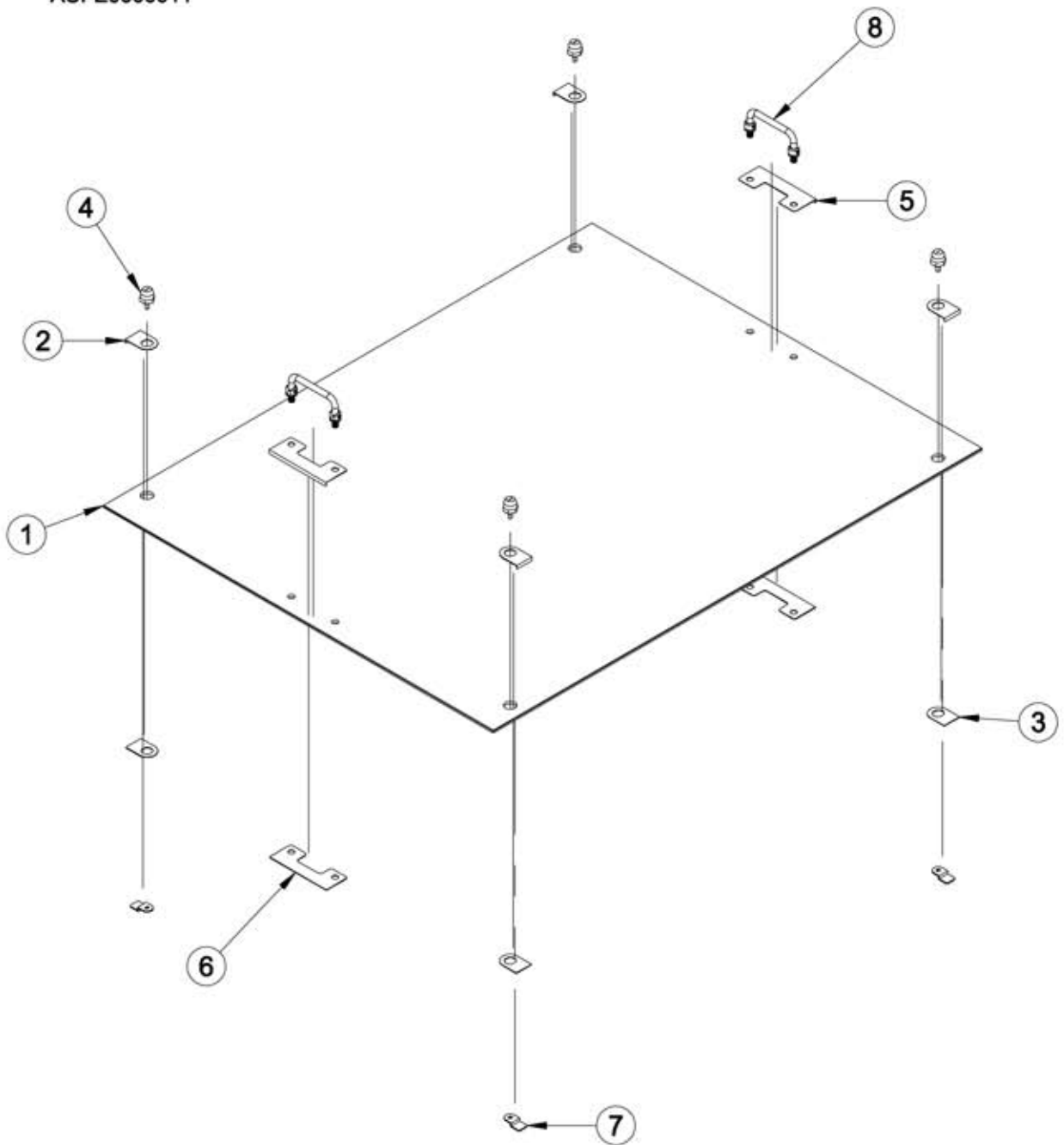
AUFE0000006



NO.	Code Number	QUANTITY	PART NAME	SPEC.
8	AUFE0000011	1	DOOR GLASS Ass'y	ASSEMBLE
9	MUFE0WOO029	2	TOP COVER SIDE ACRYL COVER Ass'y	ASSEMBLE
10	MUFE0WOO024	2	TOP COVER SIDE ACRYL COVER Ass'y_mir	ASSEMBLE
11	MUFE0ACR024	2	TOP COVER SIDE ACRYL	WHITE LIGHT ACRYL-15.0t
12	MUFE0ACR025	2	TOP COVER SIDE ACRYL_mir	WHITE LIGHT ACRYL-15.0t
13	MUFE0SHE003	2	BUTTON ACRYL	CLEAR
15	AUFE0PCB010	4	COVER SIDE LED FLEXIBLE	T5050 TOP 600L
16	MUFE0MET012	4	GLASS FIXED BKT-A	SPCC-1.6t
17	MUFE0MET013	2	GLASS FIXED BKT-B	SPCC-1.6t
18	MUFE0MET138	2	TOP COVER MIDDLE BKT-C COVER	SPCC-1.2t
19	ACMO0000005	1	BUTTON(RED Φ100-dome)	401-RED 100MM
20	ACMO0000006	1	BUTTON(BLUE Φ100-dome)	401-BULE 100 MM
21	MUFE0MET007	4	GATHER BKT WELD Ass'y	WELD Ass'y
22	MUFE0MET008	4	GATHER BKT WELD Ass'y_mir	WELD Ass'y
23	MUFE0MET146	2	GLASS FIXED BKT-C	SPCC-1.6t
24	MZZZ0PAC001	2	DOOR GASKET (FRONT)	EPDM (MINI) 875mm
25	MZZZ0PAC003	4	DOOR GASKET (SIDE)	EPDM (MINI) 400mm
26	MZZZ0PAC002	2	DOOR GASKET (SIDE)	EPDM (MINI) 270mm

8-32.DOOR GLASS Ass'y

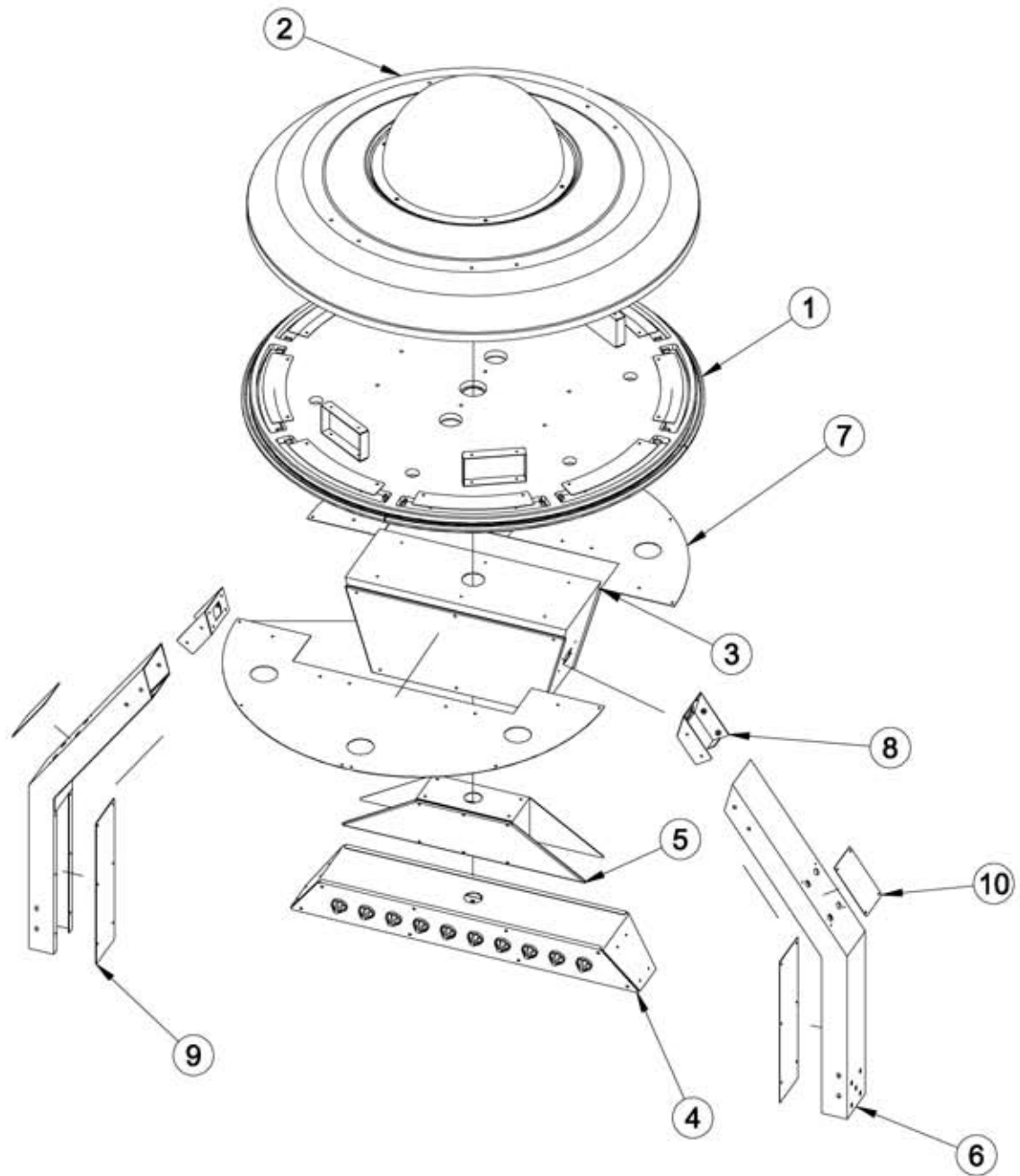
AUFE0000011



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0GLA001	1	DOOR GLASS	TEMPERED GLASS- 5.0t
2	MUFE0MET027	4	KEY ASSY PLATE A	SUS304-1.2t
3	MUFE0MET028	4	KEY ASSY PLATE B	SUS304-1.2t
4	MZZZ0KEY032	4	KEY ASS'Y	7001
5	MUFE0MET015	2	GRIP PLATE A	SUS304-1.2t
6	MUFE0MET016	2	GRIP PLATE B	SUS304-1.2t
7	MUFE0MET035	4	KEY PLATE	SUS 304-2.0t
8	MZZZ0000436	2	KA-1260-3	KA-1260-3

8-33.BILLBOARD VACCUM Ass'y

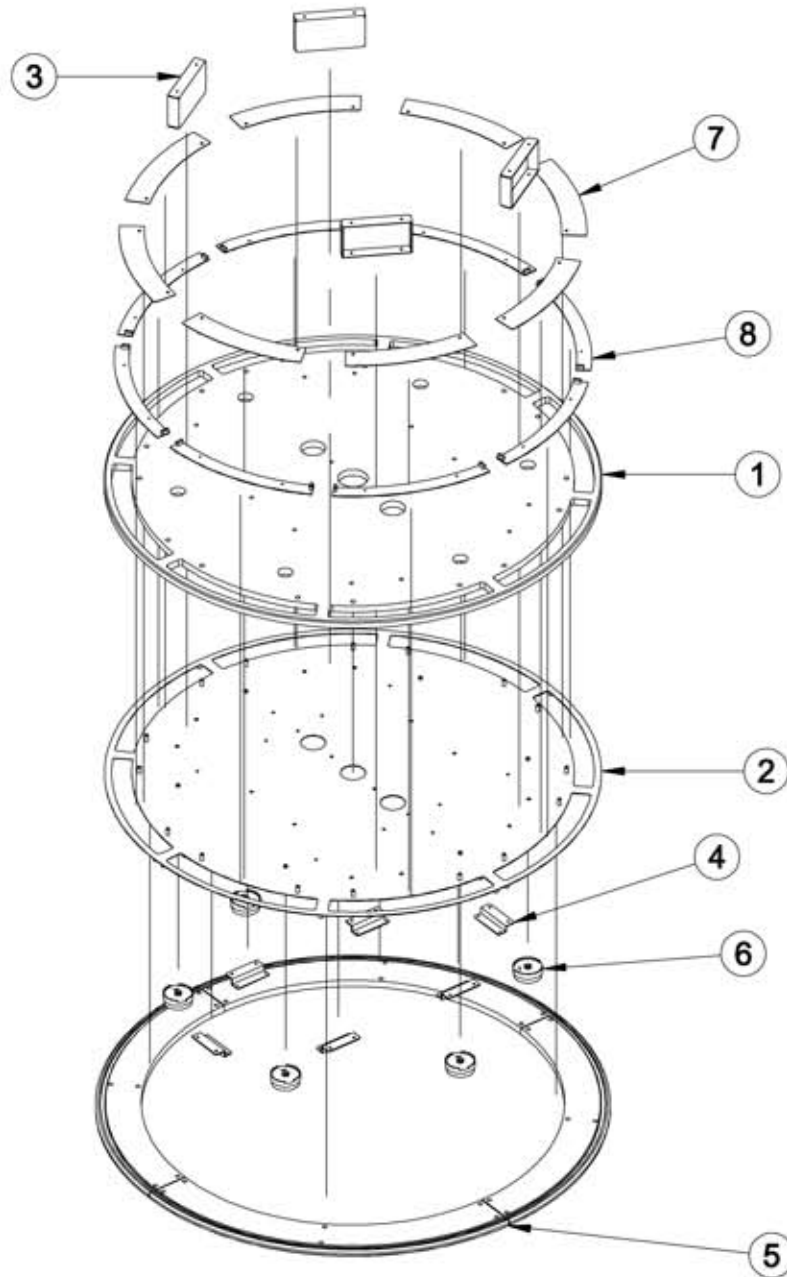
AUFE0000019



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	AUFE0000030	1	BILLBOARD BOTTOM Ass'y	ASSEMBLE
2	AUFE0000015	1	BILLBOARD VACCUM TOP Ass'y	ASSEMBLE
3	AUFE0000020	1	JP FND BKT Ass'y	ASSEMBLE
4	AUFE0000032	1	MINI JP Ass'y	ASSEMBLE
5	AUFE0000010	1	CREDIT OWED FND Ass'y	ASSEMBLE
6	MUFE0MET053	2	BILLBOARD SUPPORT WELD Ass'y	WELD Ass'y
7	MUFE0MET009	2	BILLBOARD BOTTOM COVER	SPCC-1.2t
8	MUFE0MET121	2	BILLBOARD Ass'y FIXED BKT	SPCC-1.6t
9	MUFE0MET073	2	BILLBOARD SUPPORT DOWN COVER	SPCC-1.2t
10	MUFE0MET066	2	MINI JP FIXED COVER	SPCC-1.2t

8-34.BILLBOARD BOTTOM Ass'y

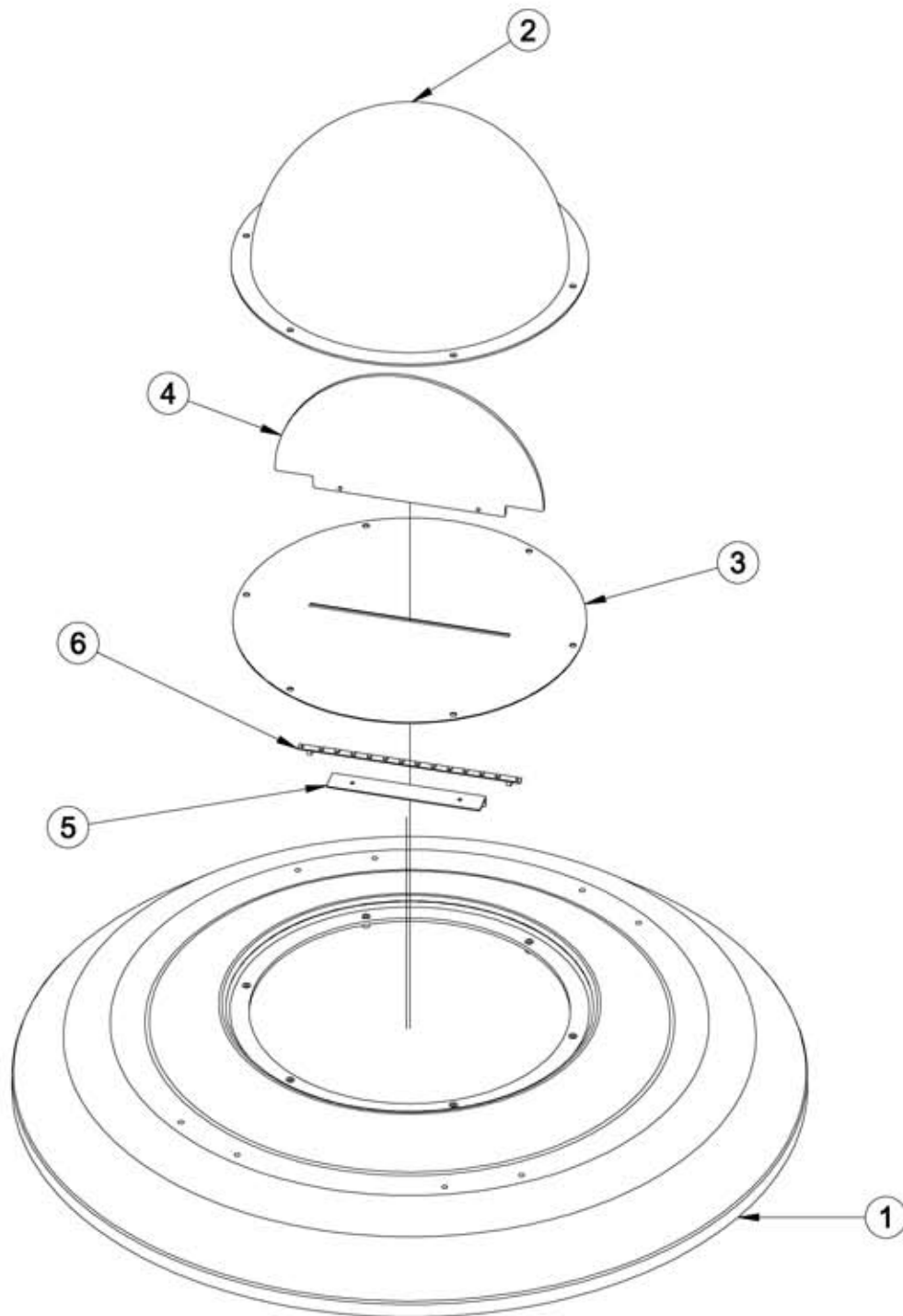
AUFE0000030



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0WOO026	1	BILLBOARD VACCUM BOTTOM PLATE	PW-15.0t
2	MUFE0MET032	1	BILLBOARD VACCUM BOTTOM PANEL	SPCC-1.6t
3	MUFE0MET018	4	BILLBOARD VACCUM FIXED BKT	SPCC-2.0t
4	MUFE0MET006	6	BILLBOARD BOTTOM COVER FIXED BKT	SPCC-2.0t
5	MUFE0ACR008	4	BILLBOARD SIDE LED ACRYL	WHITE LIGHT ACRYL-15.0t
6	MZZZ0000433	6	ELD DC	RGB-A3
7	MUFE0MET078	8	BILLBOARD SIDE LED FIXED BKT	SPCC-1.2t
8	AUFE0PCB004	8	BILLBOARD SIDE LED(KMLED-1302-37A) BOARD	PCB-1.6t

8-35.BILLBOARD VACCUM TOP Ass'y

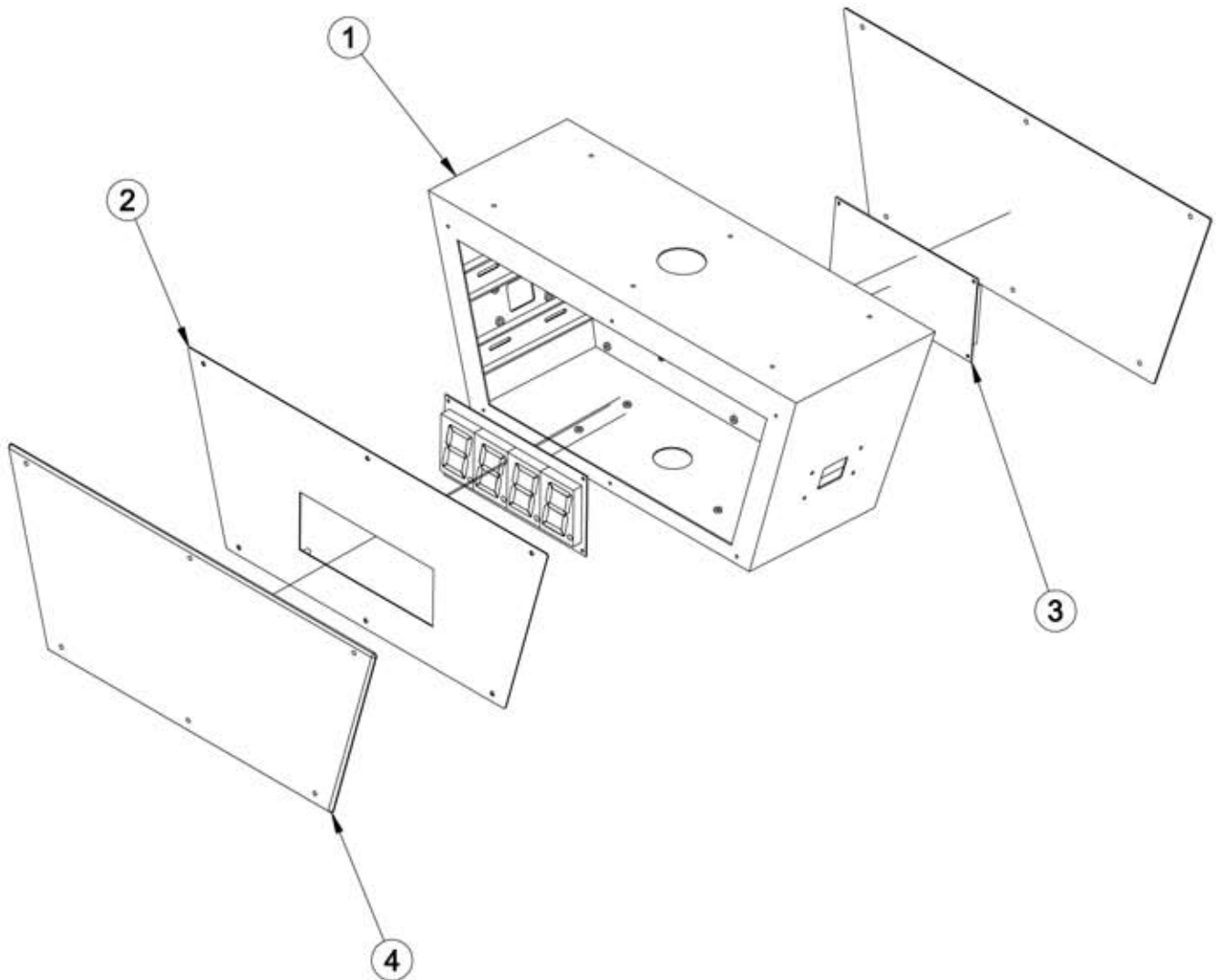
AUFE0000015



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MOL001	1	BILLBOARD VACCUM	ABS-5.0t
2	MUFE0ACR003	1	BILLBOARD DOME ACRYL (Φ400)	CLEAR
3	MUFE0MET033	1	BILLBOARD TOP DECO BKT	SPCC-1.6t
4	MUFE0ACR016	1	BILLBOARD TOP DECO ACRYL	CLEAR
5	MUFE0MET042	1	BILLBOARD TOP DECO ACRYL FIXED BKT	SPCC-2.0t
6	AUFE0PCB006	1	BILLBOARD TOP LED(KMLED-1303-43A) BOARD	PCB-1.6t

8-36.JP FND BKT Ass'y

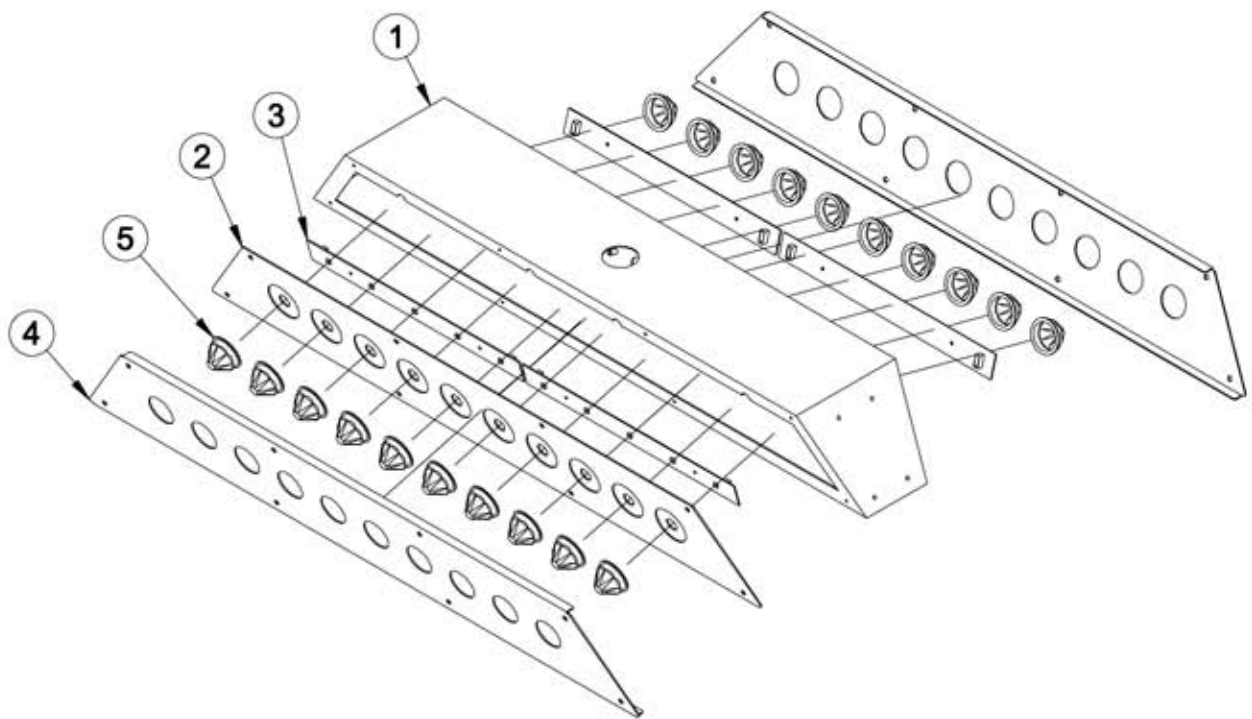
AUFE0000020



NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET020	1	JP FND BKT WELD Ass'y	WELD Ass'y
2	MUFE0MET094	1	BILLBOARD JP FND BKT COVER	SPCC-1.2t
3	AUFE0PCB003	2	BONUS FND(KMFND-1208-033B) BOARD	PCB
4	MUFE0SHE001	2	BILLBOARD JP FND COVER ACRYL	CLEAR

8-37.MINI JP Ass'y

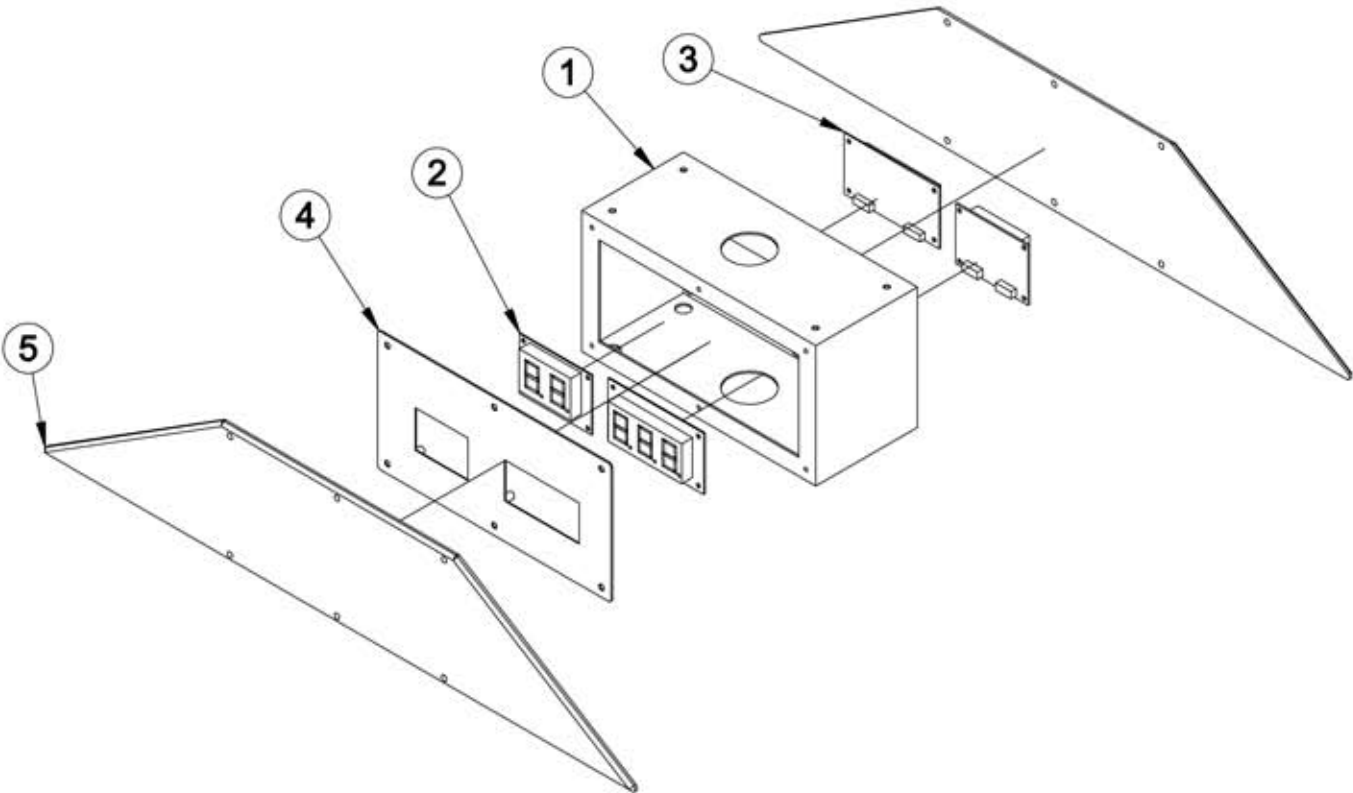
AUFE0000032



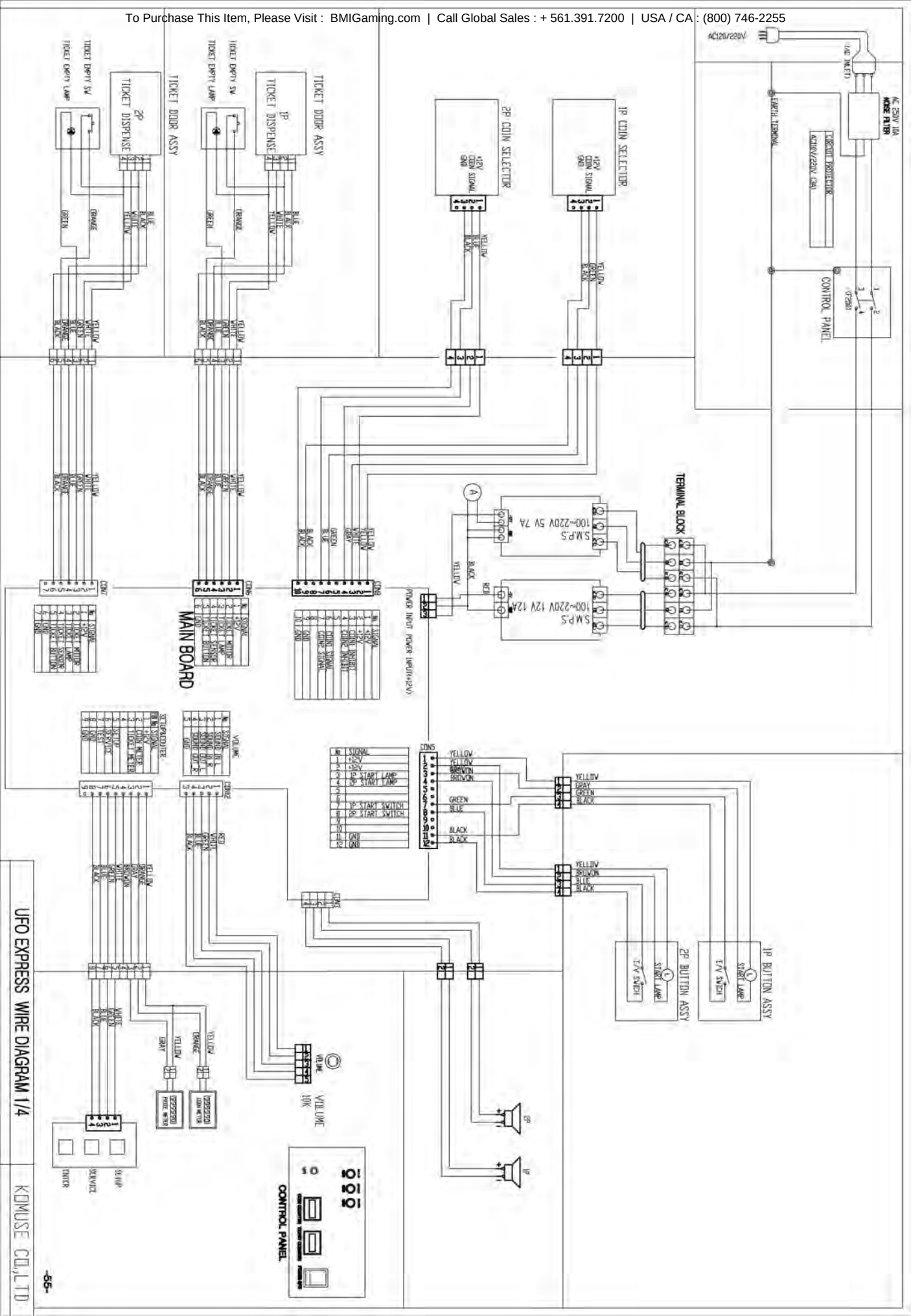
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET064	1	MINI JP BODY WELD Ass'y	WELD Ass'y
2	MUFE0MET062	1	MINI JP BODY COVER WELD Ass'y	WELD Ass'y
3	AUFE0PCB005	4	MINI JACKPOT LED(KMLED-1305-044A) BOARD	PCB-1.6t
4	MUFE0MET061	2	MINI JP BODY COVER-A	SPCC-1.6t
5	MWOL0PLA002	20	LED CAP 35Φ	LED CAP 35Φ

8-38.CREDIT OWED FND Ass'y

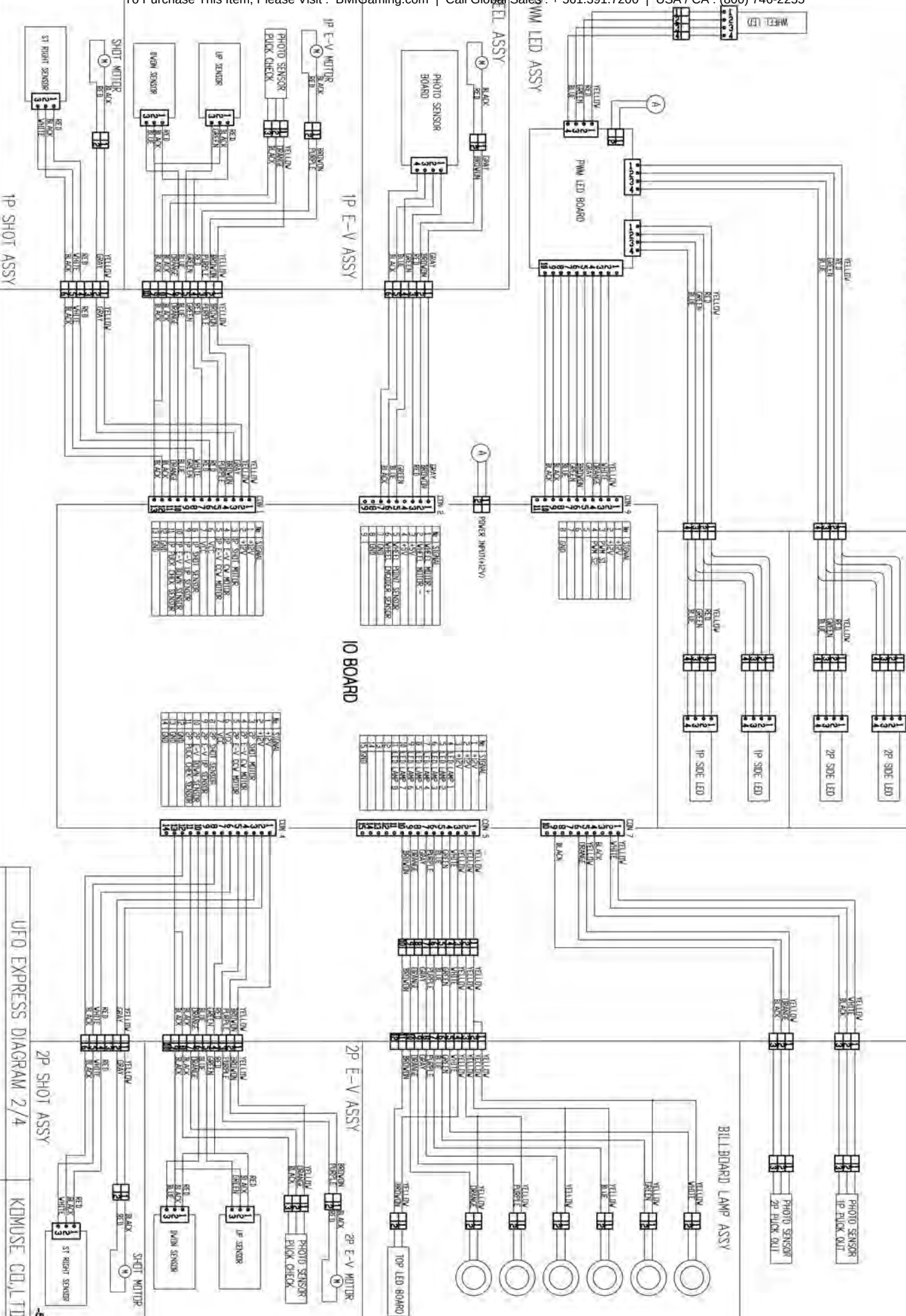
AUFE0000010

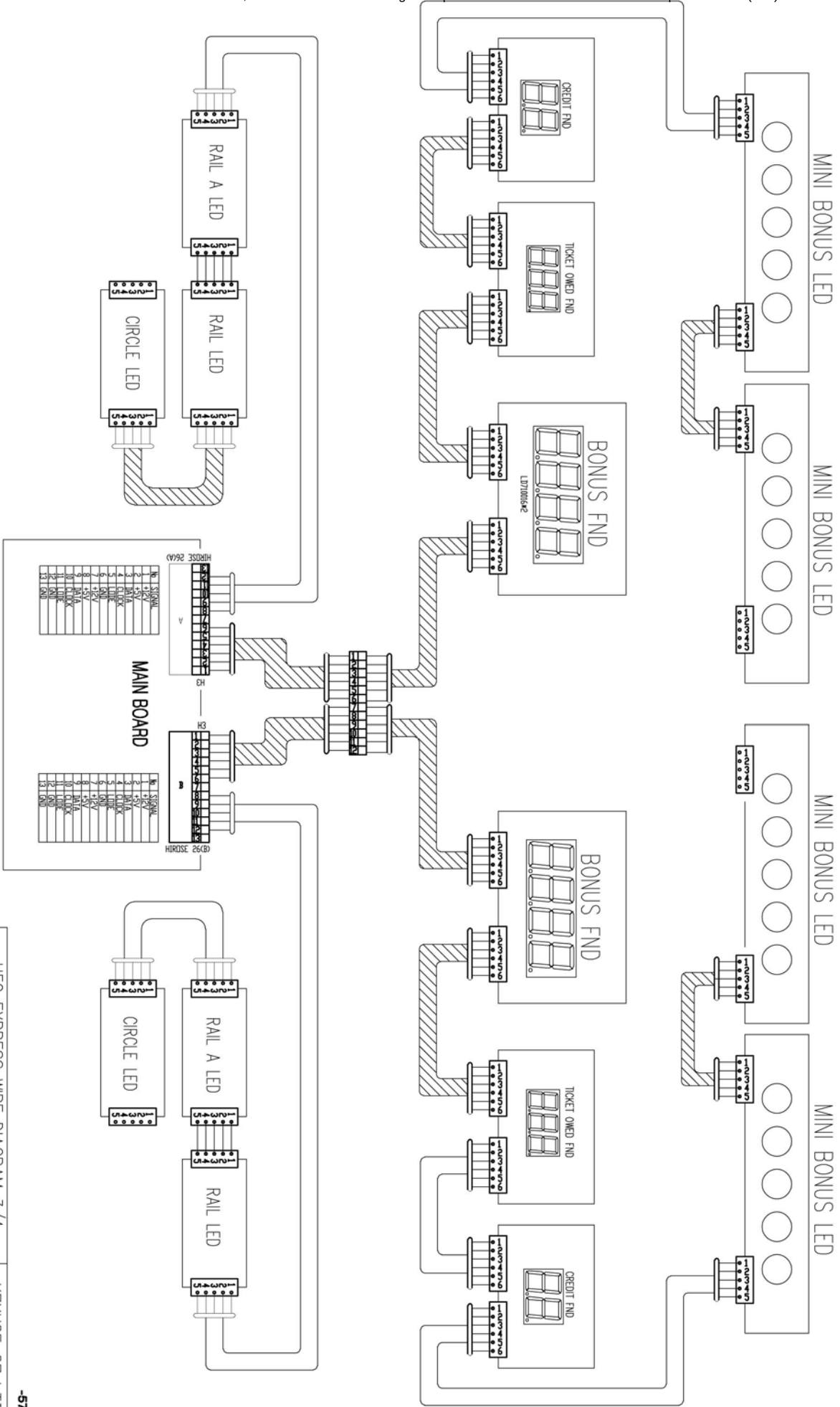


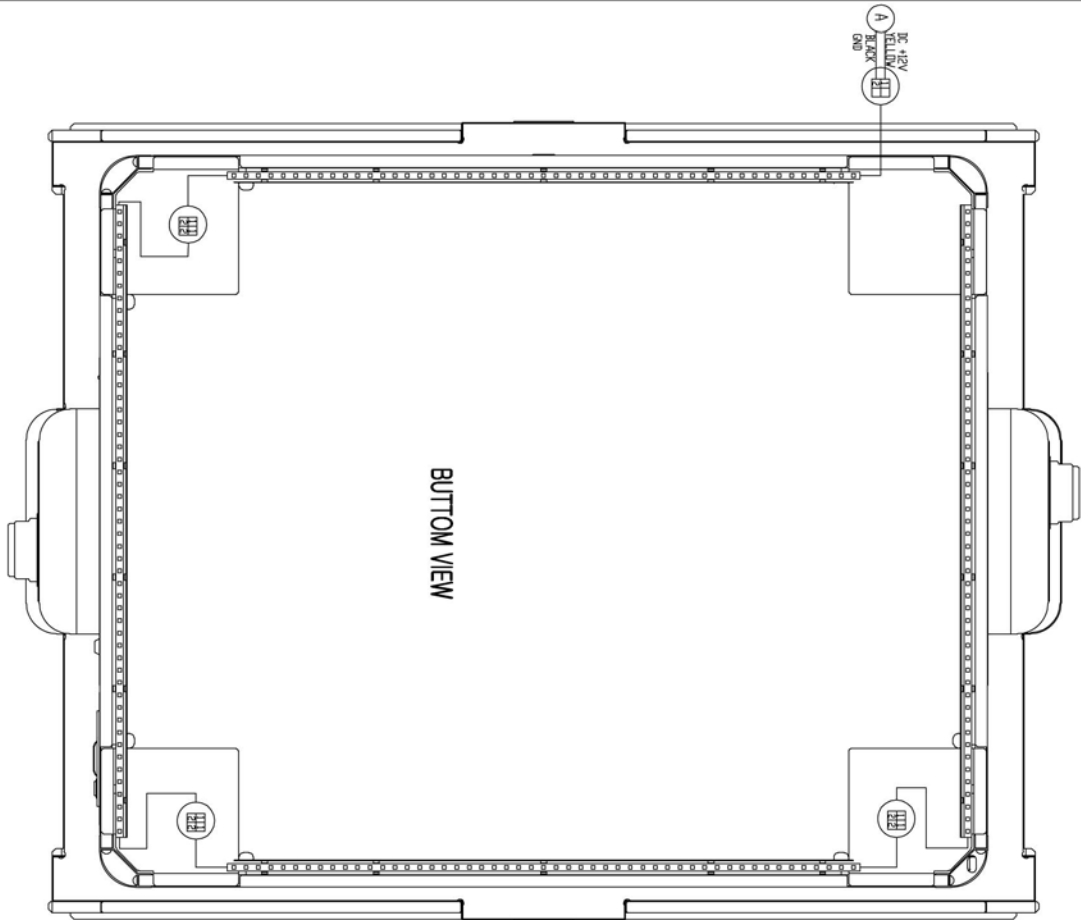
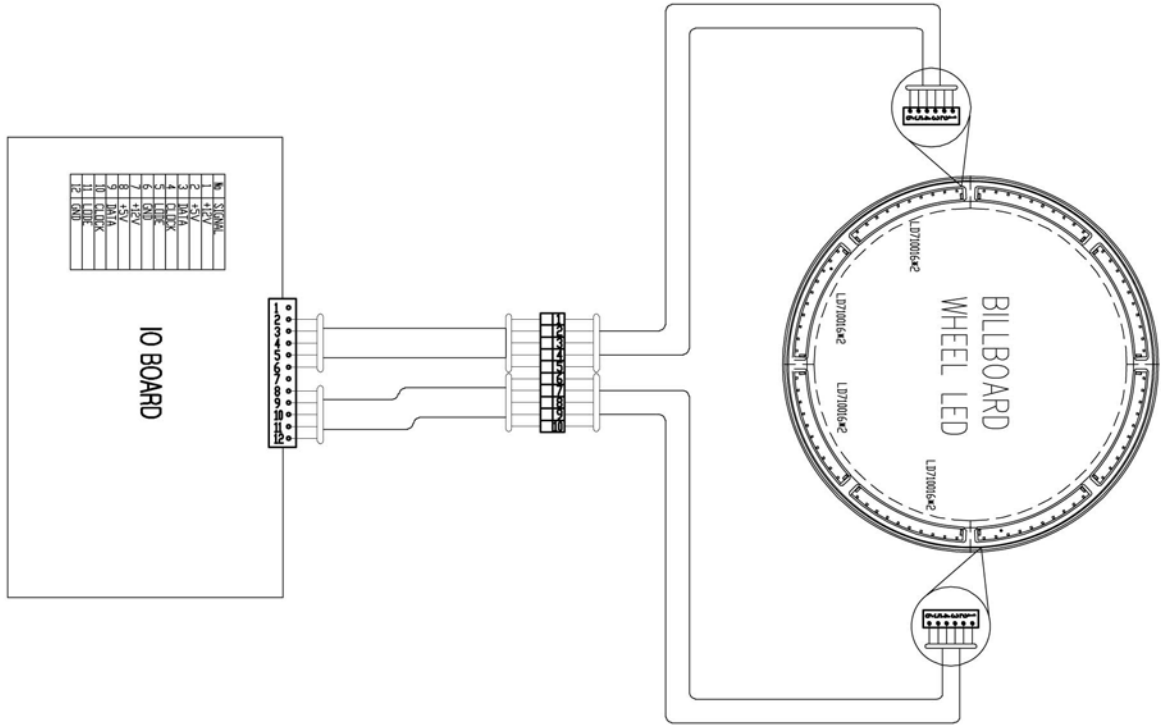
NO.	Code Number	QUANTITY	PART NAME	SPEC.
1	MUFE0MET137	1	CREDIT OWED FND BKT	SPCC-1.6t
2	ACOU0PCB010	2	CREDIT FND(KMCF1017-2A) BOARD	SPACE,COUNT,UFO
3	ACRM0PCB007	2	TICKET OWED FND(KMTO1017-3A) BOARD	CROSS,COUNT,SPACE,
4	MUFE0MET136	1	CREDIT OWED FND COVER	SPCC-1.2t
5	MUFE0SHE002	2	CREDIT OWED FND ACRYL	CLEAR



SIDE LED RIGHT ASSY SIDE LED LEFT ASSY



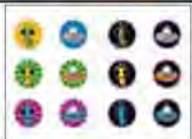




UFO EXPRESS SHEET



2013. 12. 23		UFO EXPRESS SHEET			
IMAGE		NAME	QUANTITY	MATERIAL	CODE NO.
1		BILLBOARD JP FND COVER ACRYL	2 EA	ACRYL Silk screen	MUFE0SHE001
2		CREDIT OWED FND BKT SHEET	2 EA	ACRYL Silk screen	MUFE0SHE002
3		BUTTON ACRYL	2 EA	ACRYL Silk screen	MUFE0SHE003
4		PUSH ACRYL 1P	1 EA	ACRYL Silk screen	MUFE0SHE004
5		PUSH ACRYL 2P	1 EA	ACRYL Silk screen	MUFE0SHE005
6		WHEEL ACETAL PANEL	1 EA	SHEET Silk screen	MUFE0SHE006
7		BILLBOARD BOTTOM COVER LR SHEET	2 EA	SHEET Silk screen	MUFE0SHE007
8		MINI JP BODY COVER SHEET	2 EA	SHEET Silk screen	MUFE0SHE008
9		MAIN PLATE 1P SHEET	1 EA	SHEET Silk screen	MUFE0SHE009
10		MAIN PLATE 2P SHEET	1 EA	SHEET Silk screen	MUFE0SHE010
11		MAIN PLATE ELEV BKT SHEET	2 EA	SHEET Silk screen	MUFE0SHE011
12		PUSH COVER 1P SHEET	1 EA	SHEET Silk screen	MUFE0SHE012
13		PUSH COVER 2P SHEET	1 EA	SHEET Silk screen	MUFE0SHE013
14		TOP COVER FRONT SHEET	2 EA	SHEET Silk screen	MUFE0SHE014
15		TOP COVER FRONT SIDE BKT L SHEET	2 EA	SHEET Silk screen	MUFE0SHE015

16		TOP COVER FRONT SIDE BKT R SHEET	2 EA	SHEET Silk screen	MUFE0SHE016
17		TOP COVER SIDE L SHEET	2 EA	SHEET Silk screen	MUFE0SHE017
18		TOP COVER SIDE C SHEET	2 EA	SHEET Silk screen	MUFE0SHE018
19		TOP COVER SIDE C COVER SHEET	2 EA	SHEET Silk screen	MUFE0SHE019
20		TOP COVER SIDE R SHEET	2 EA	SHEET Silk screen	MUFE0SHE020
21		MAN CASE SIDE LR SHEET	2 EA	SHEET Silk screen	MUFE0SHE021
22		TICKET DOOR COVER SHEET	2 EA	SHEET Silk screen	MUFE0SHE022
23		PUCK SHEET	2 SET	SHEET Silk screen	MUFE0SHE023
24		U BIM (50R) SHEET	4 EA	SHEET Silk screen	MUFE0SHE024
25		LEG SHEET L	2 EA	SHEET Silk screen	MUFE0SHE025
26		LEG SHEET R	2 EA	SHEET Silk screen	MUFE0SHE026
27		LEG OUT SIDE TOP SHEET	2 EA	SHEET Silk screen	MUFE0SHE027
28		LEG OUT SIDE MID SHEET	2 EA	SHEET Silk screen	MUFE0SHE028
29		LEG OUT SIDE LOW SHEET	2 EA	SHEET Silk screen	MUFE0SHE029
30		LEG IN SIDE SHEET	2 EA	SHEET Silk screen	MUFE0SHE030
31		WHEEL ACETAL SCORE STICKER SET SHEET	1 SET	SHEET Silk screen	MUFE0SHE031
32		LAI DOMAIN SHEET	2 EA	SHEET Silk screen	MUFE0SHE032
33		WARNING ELECTRONIC SHEET	2 EA	SHEET Silk screen	MUFE0SHE033
34		RAIL LED COVER PET 1P	1 EA	PET ACRYL Silk screen	MUFE0SHE034
35		RAIL LED COVER PET 2P	1 EA	PET ACRYL Silk screen	MUFE0SHE035