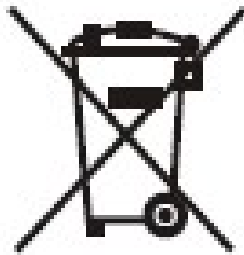


**Waste Electrical and Electronic Equipment  
Directive (WEEE)  
Compliance Assessment Report**



## Introduction

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<b>Manufacturer:</b>	AVISION INC.
<b>Address:</b>	No. 20, Creation Rd. 1 Science Park, Hsinchu, Taiwan 300, R.O.C
<b>Equipment:</b>	Scanner
<b>Type Designation:</b>	AD7100
<b>Report Date:</b>	2026/5/15

### **Description**

The product as described in this report was found to based the requirements of recast WEEE directive (2012/19/EC) Article 11-Recovery and Article 15-Information treatment facilities to disclose Recycle, Reuse and Recovery rate and its disassembly information.

This report are including below contents:

- (1) Product information
- (2) Product disassembly method
- (3) Recycle, Reuse and Recovery rate evaluation

### **Assessment Result:**

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Reuse and recycling Rate =	98.54%
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Recovery Rate =	99.88%
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## **1. Product Information:**

Dimension(W×D×H):460×310×198 mm(min)

Weight: 12kg

Accessories: Adapter, Power Cord, USB Cable

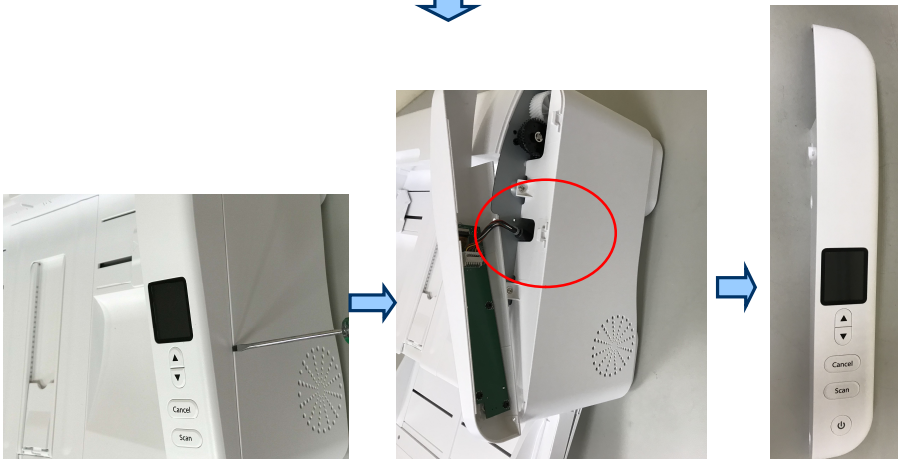
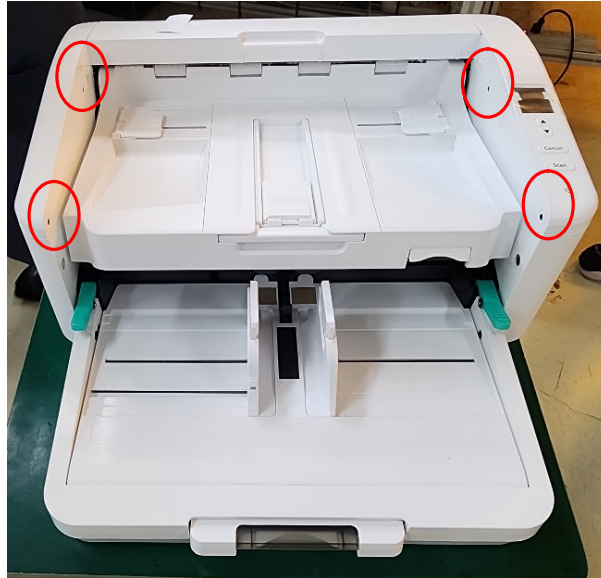
## **2. WEEE Category**

The products falling under categories 6 of WEEE directive Annex III,

- the rate of recovery shall be increased to a minimum of 75 by an average weight per appliance, and
- component, material and substance reuse and recycling shall be increased to a minimum of 55 by an average weight per appliance;

### 3. Dismantling Process

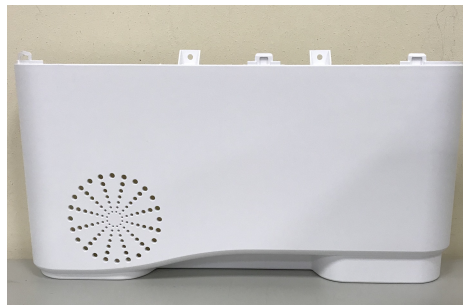
**Step 1: Remove the Mylar and use screwdriver to loosen the tenon, unplug the cable to take out UI Panel Cover.**



**Step 2: Use screwdriver to loosen the tenon and unplug the cables to take out PCBA(UIA216/004-2988-9)**



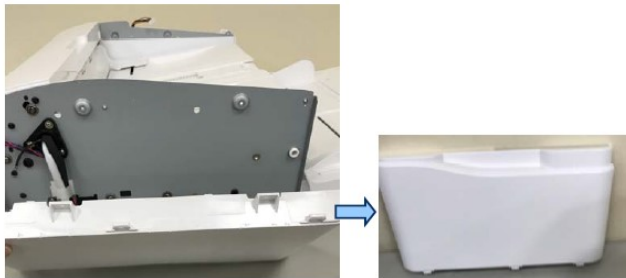
**Step 3: Use screwdriver to take out Cover Right(051-9690-0)**



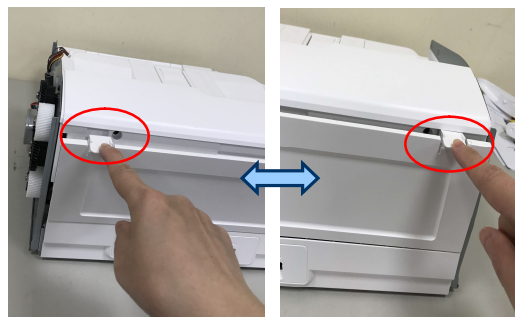
**Step 4: Unloosen the tenon to remove the Top Left Cover.**

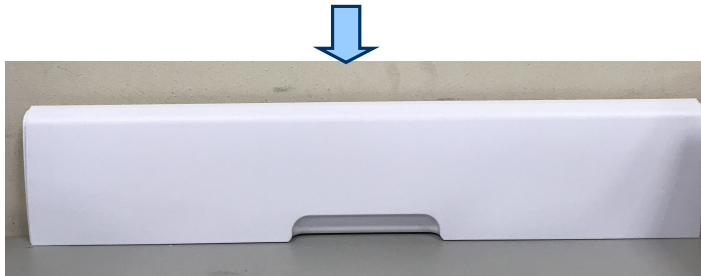
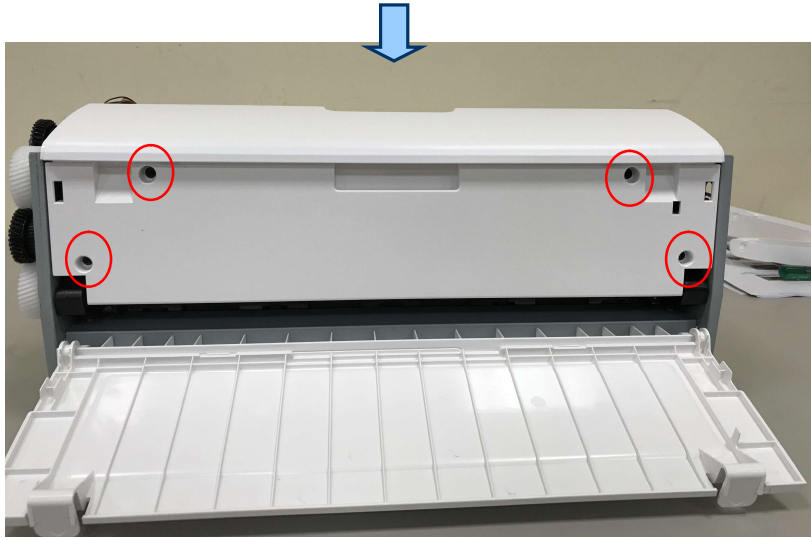


**Step 5: Use screwdriver to take out Cover Left(051-C479-0)**

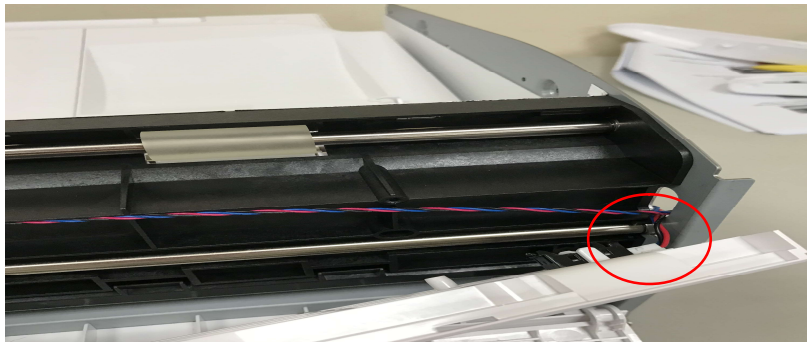


**Step 6: Push the lock and open the Cover. Use screwdriver to take out Top Cover(051-9722-0)**





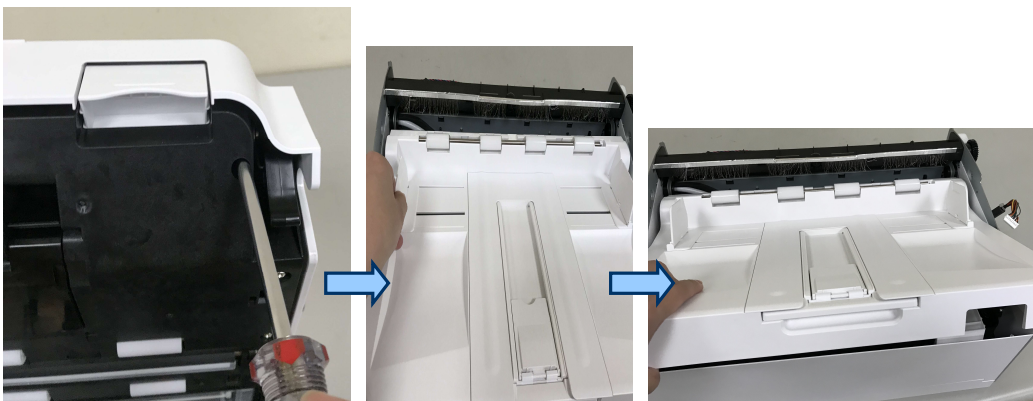
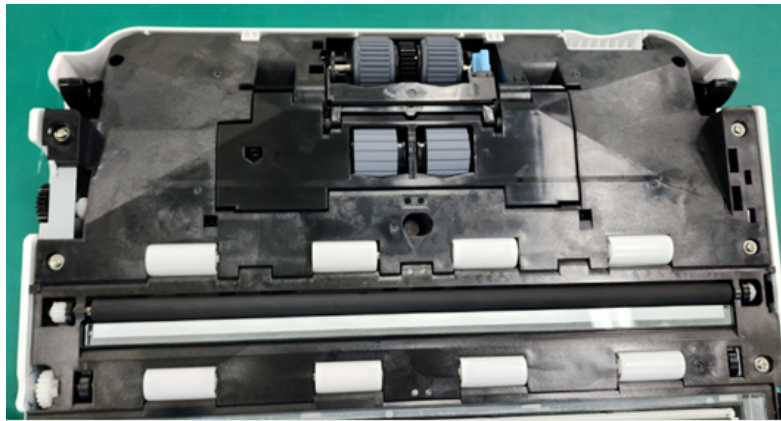
**Step 7: Unplug the cable and loosen the tenon to take out Back Cover  
(051-9725-0)**



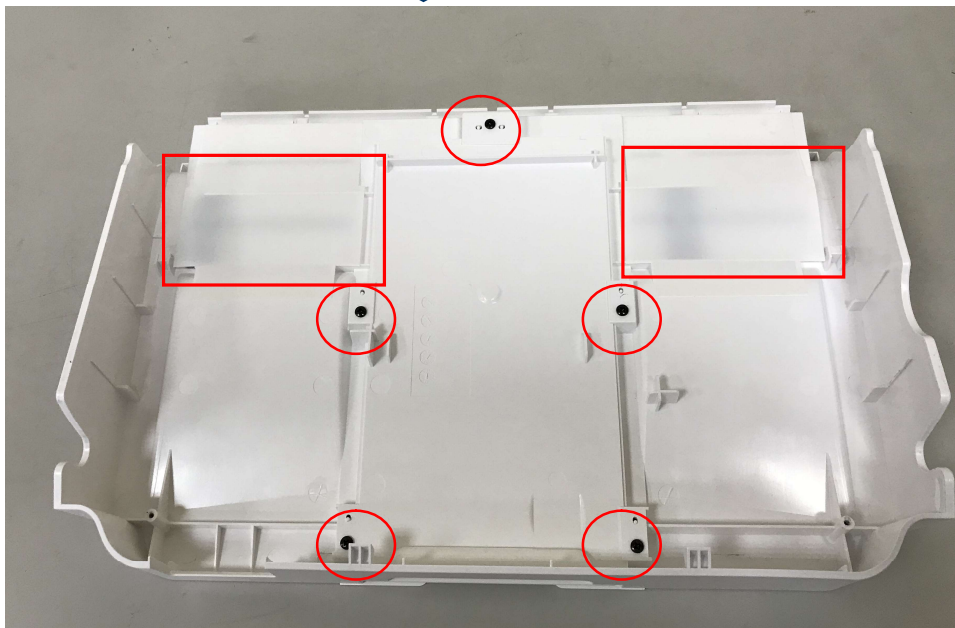
**Step 8: Take out Input Tray Ass'y.**

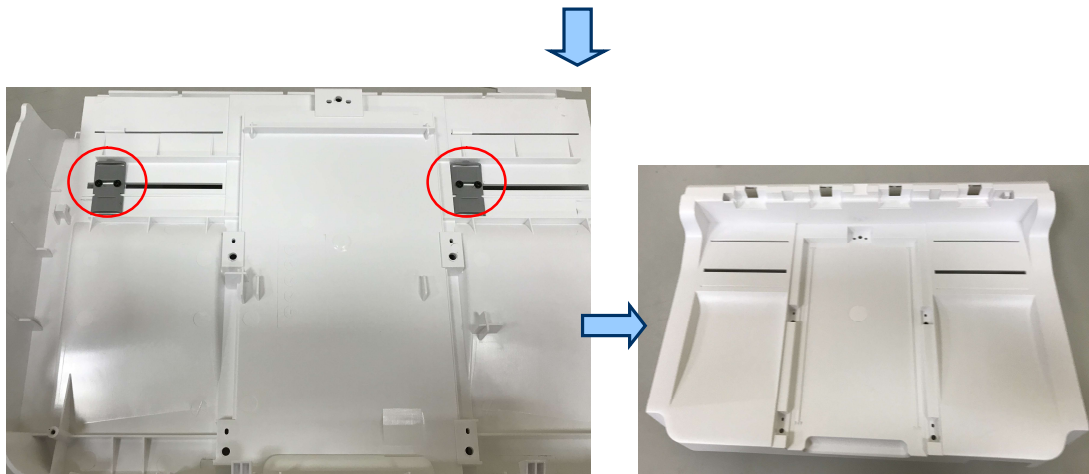


**Step 9: Use screwdriver to loosen the tenon to take out Output Tray Ass'y.**

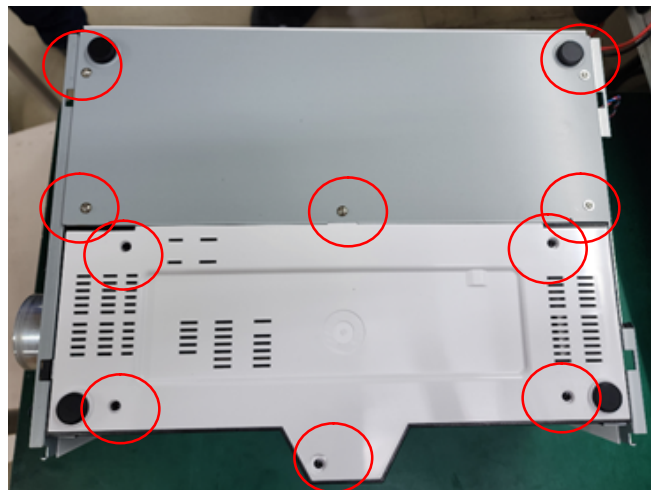


**Step 10: Take out Roller and Remove the Mylar, Use screwdriver to take Out Upper Base Ass'y and Output Main Tray(051-B550-0)**

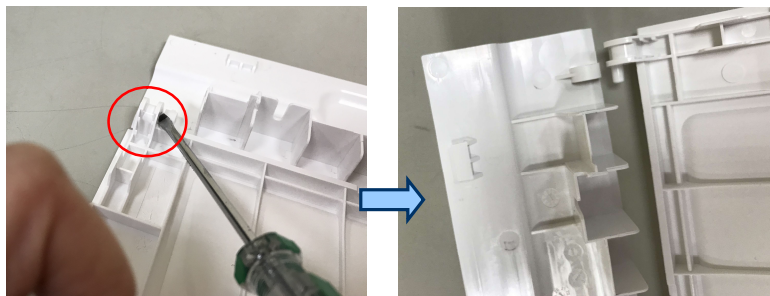




**Step 11: Use screwdriver and unloosen the tenon to remove Mount and Bottom Cover(051-C265-0). And then take out Rubber Stand.**

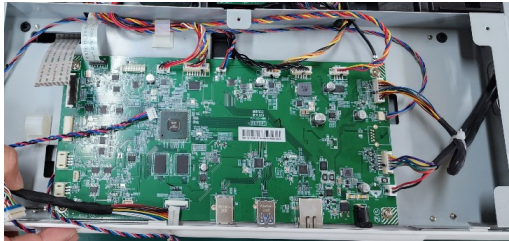


**Step 12: Use screwdriver and unloosen the tenon to take out Output Back Tray(051-9726-0)**

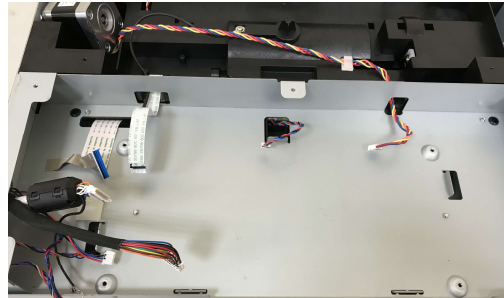


## Base Ass'y

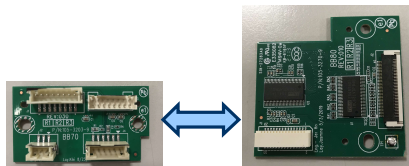
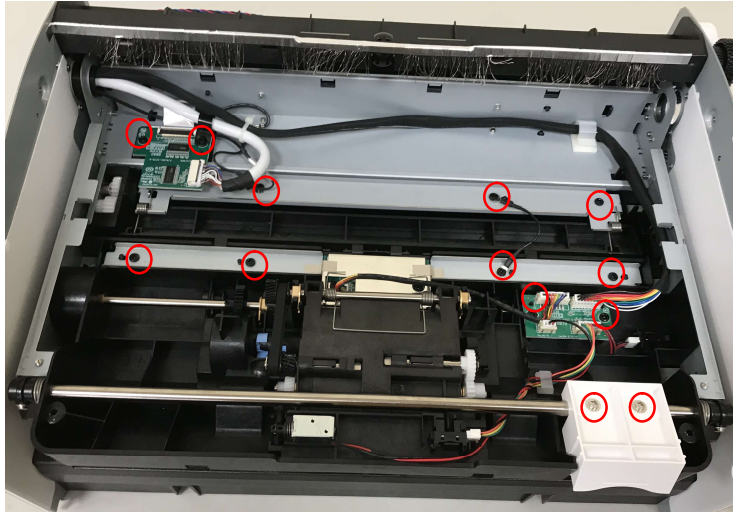
**Step 1: Use screwdriver to remove PCBA (MBA1132/004-4081-9)**



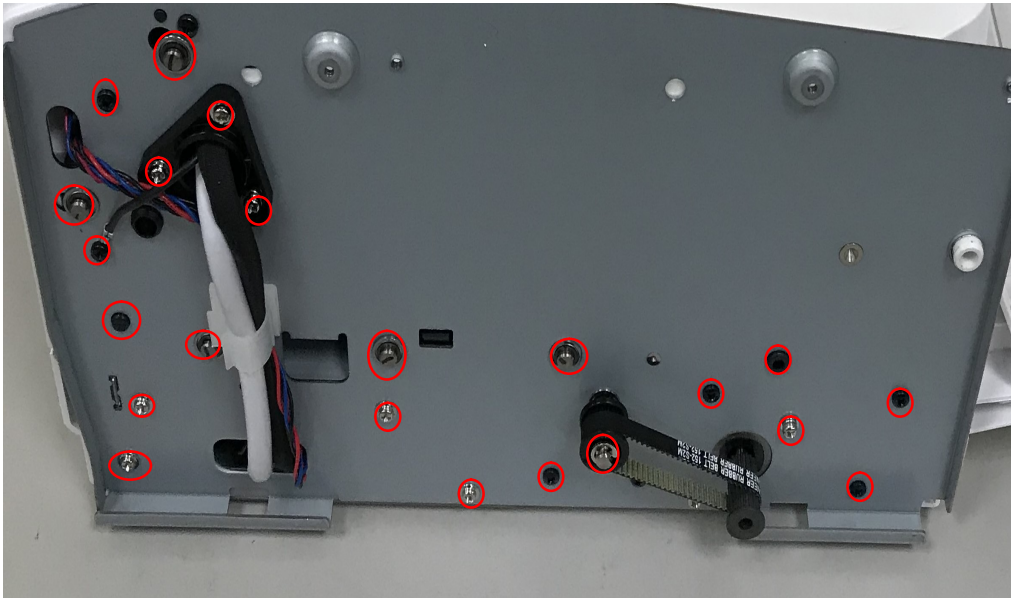
**Step 2: Remove the Mount and Motor**

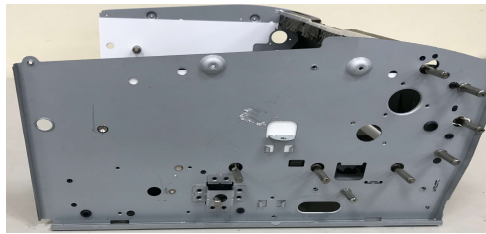
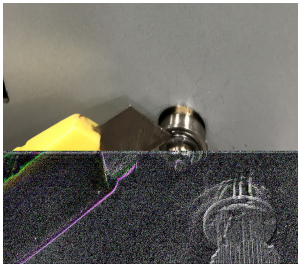
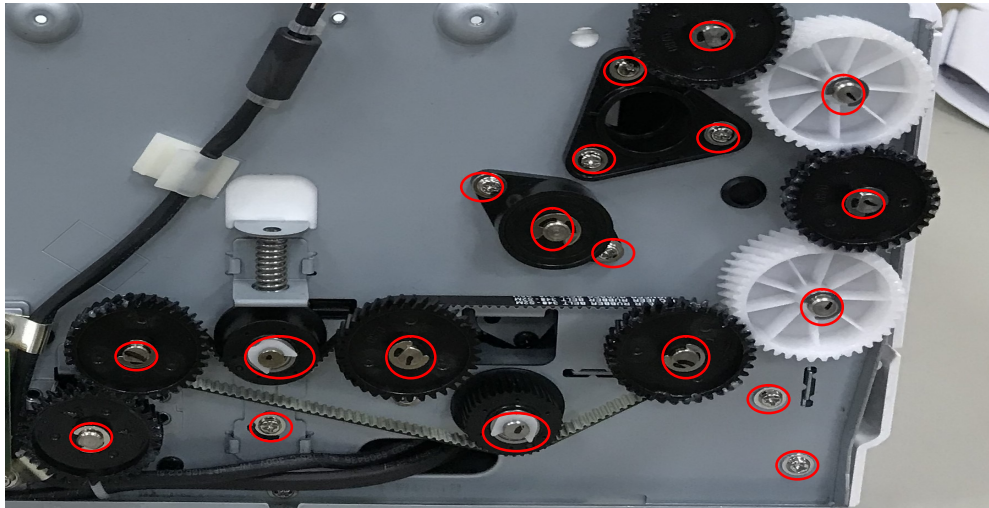


**Step 3: Use screwdriver to remove PCBA (BBA152/004-4083-9) and PCBA(BBA157/004-4120-9)**

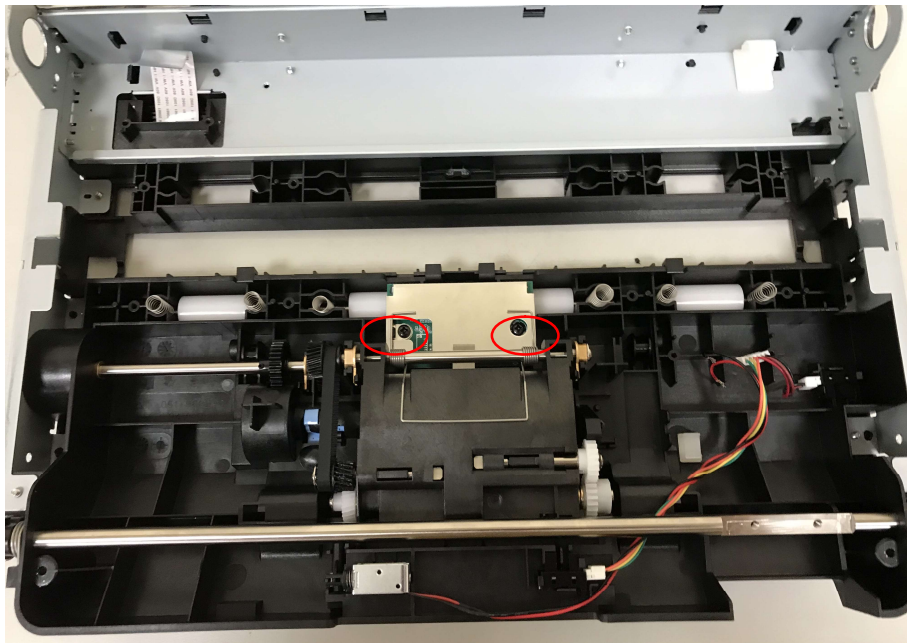


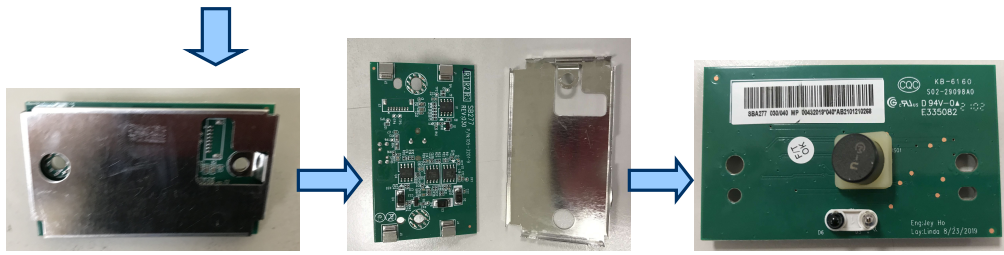
**Step 4: Use screwdriver remove the spring and cut Belt to remove the Gear**



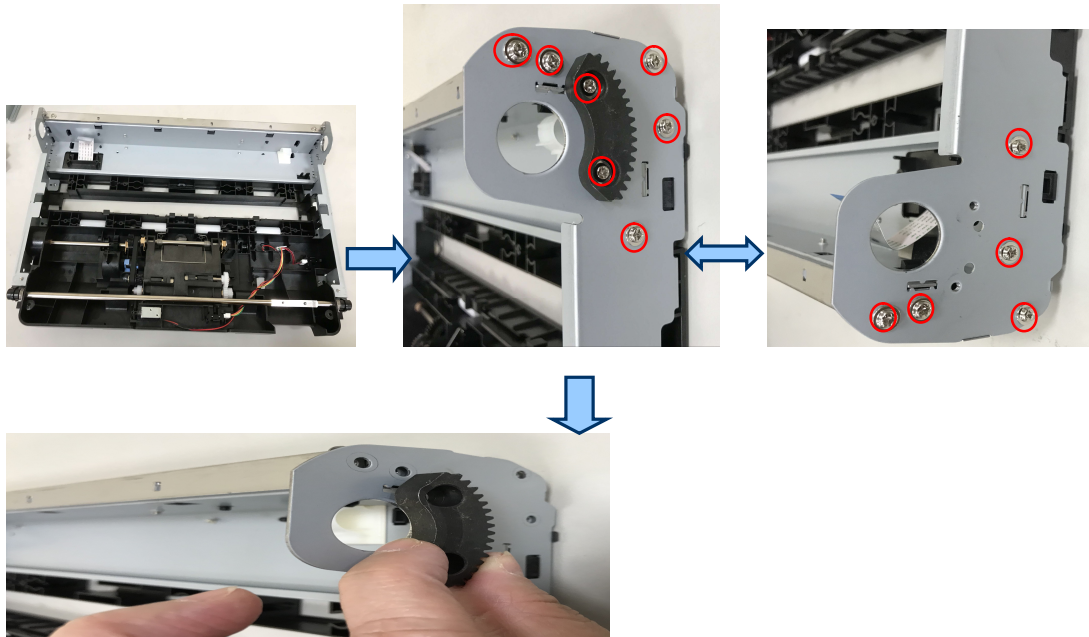


**Step 5: Use screwdriver to remove PCBA(SBA277/004-3201-9)**

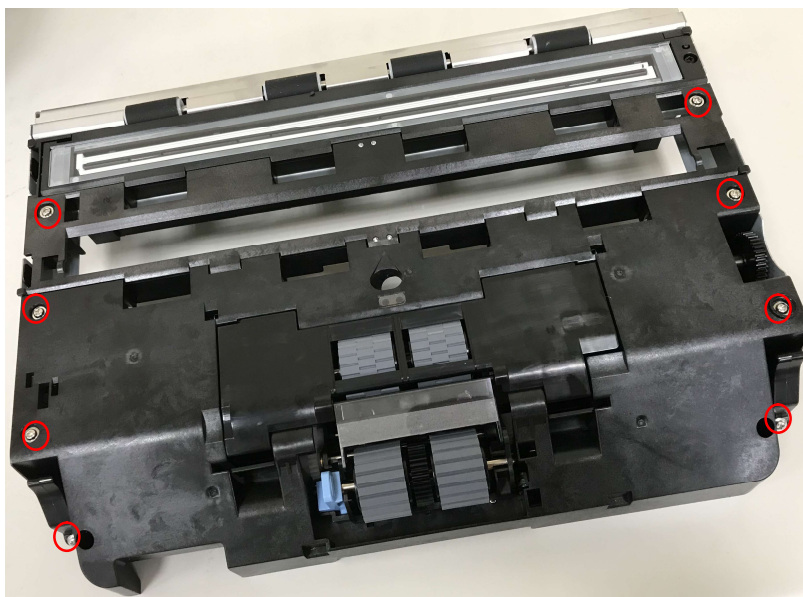


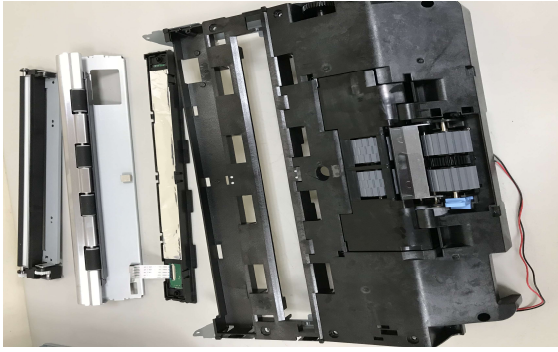


**Step 6: Use screwdriver to remove Mount**

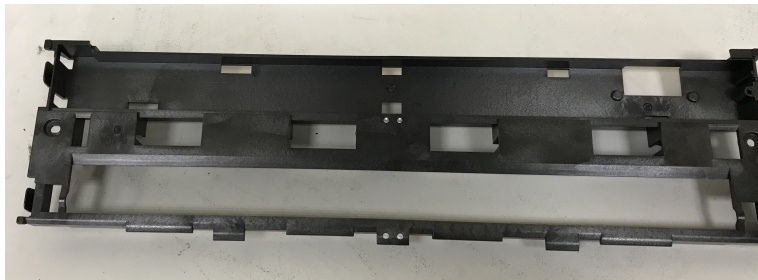
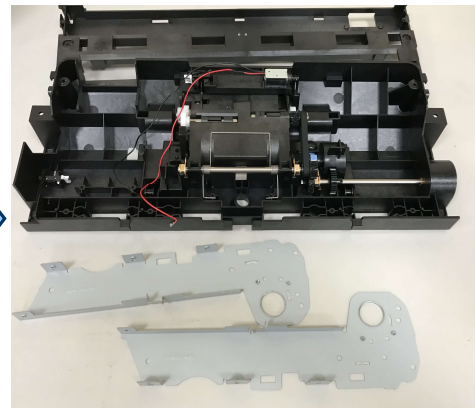
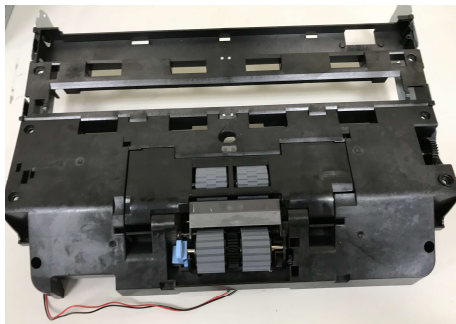


**Step 7: Use screwdriver to take out the Holder**

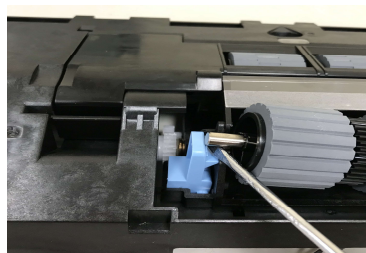




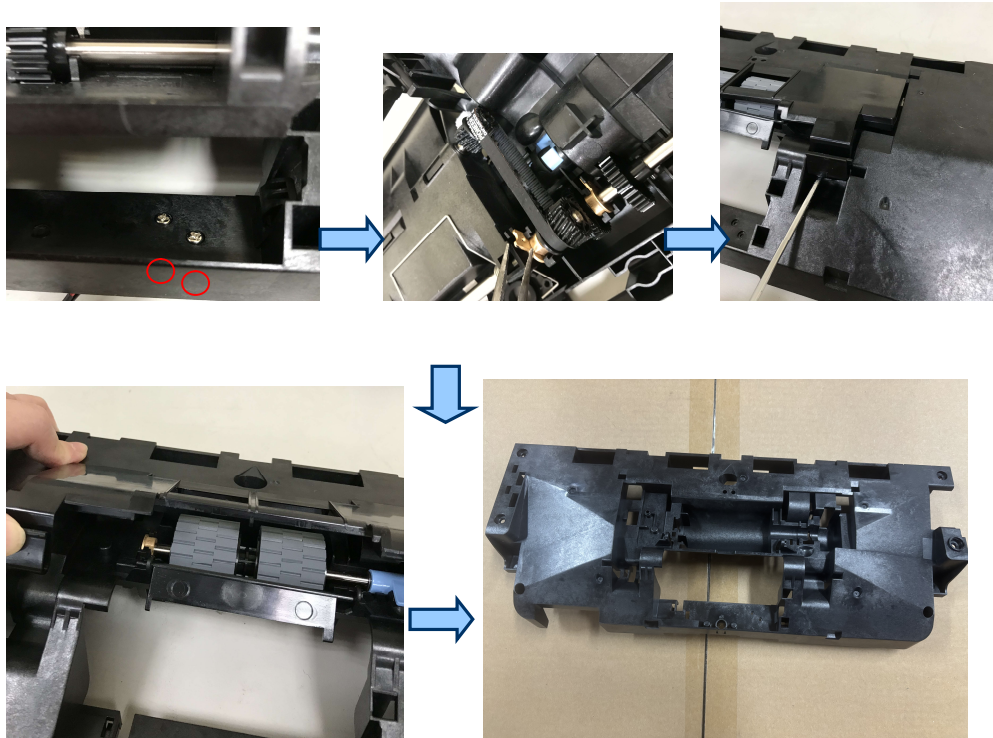
**Step 8: Remove the Mount. to take out Glass Upper Holder(051-C410-0)**



**Step 9: Use screwdriver to remove Rollers**



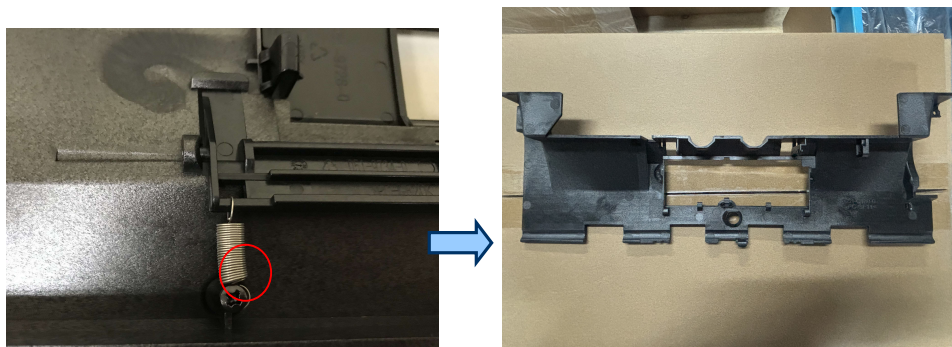
**Step 10: Use screwdriver to remove Plates and Rollers to take out Upper Case(051-C330-0)**



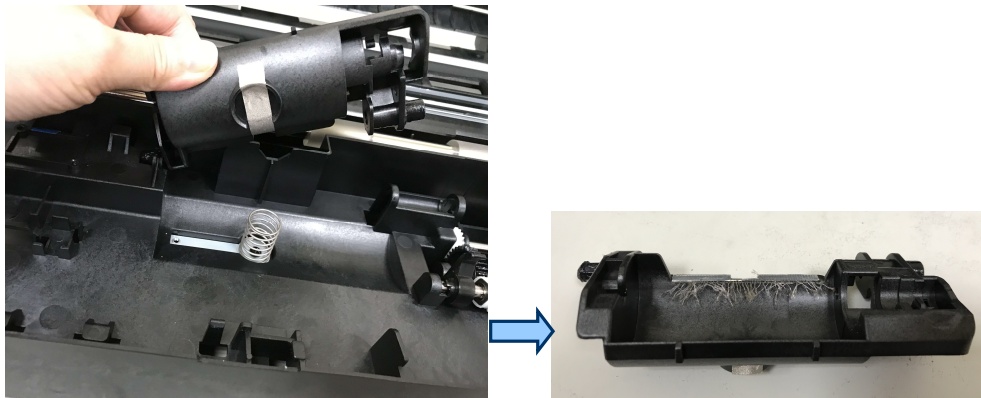
**Step 11: Remove the Paper Path In Case Ass'y**



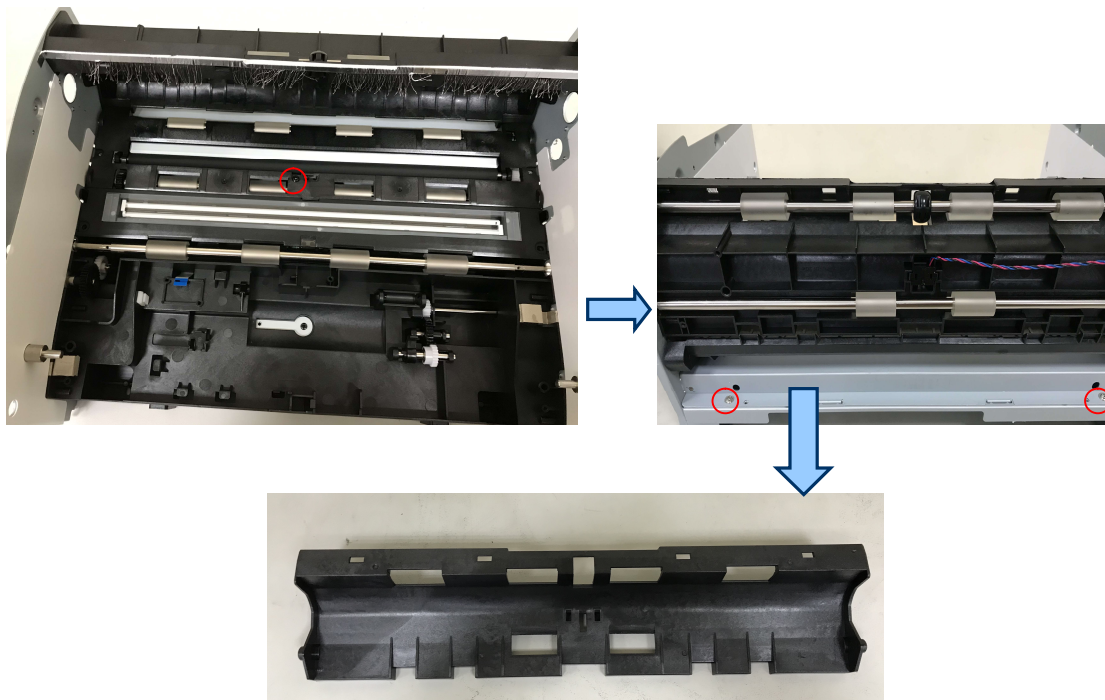
**Step 12: Use screwdriver to remove Spring to take out Paper Path In Case (051-C188-0)**



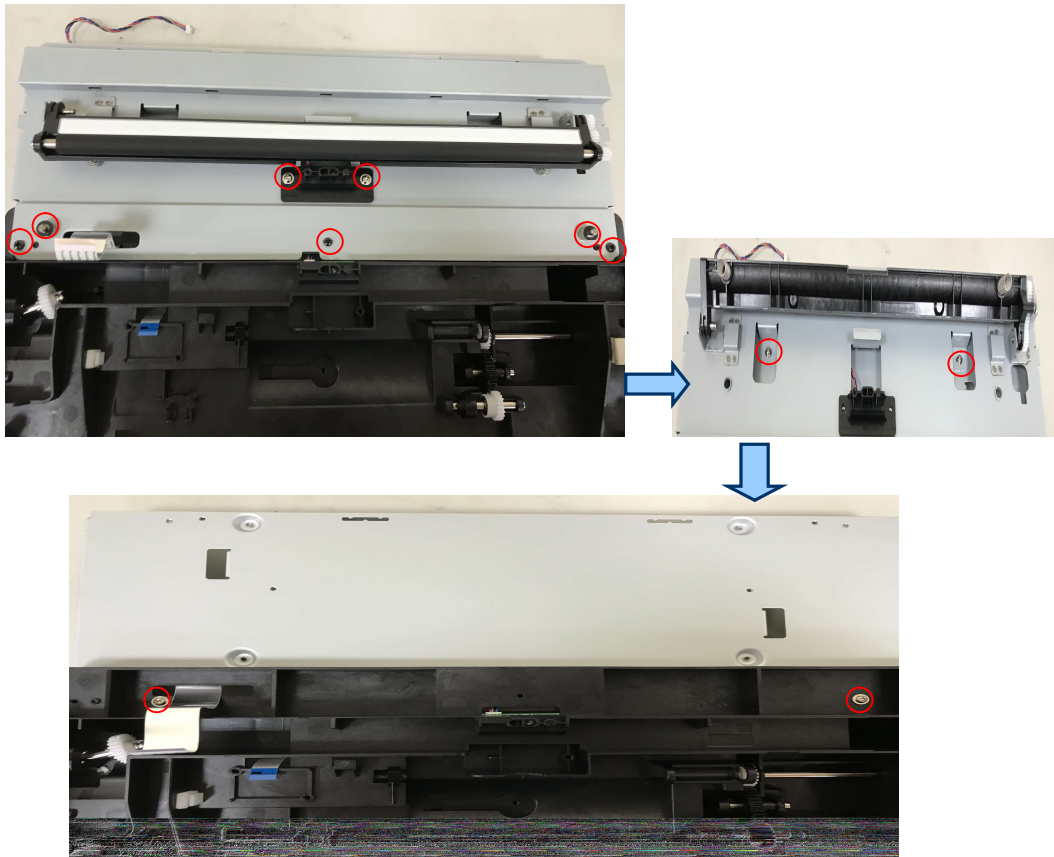
**Step 13: Unloosen the tenon to remove the Case**



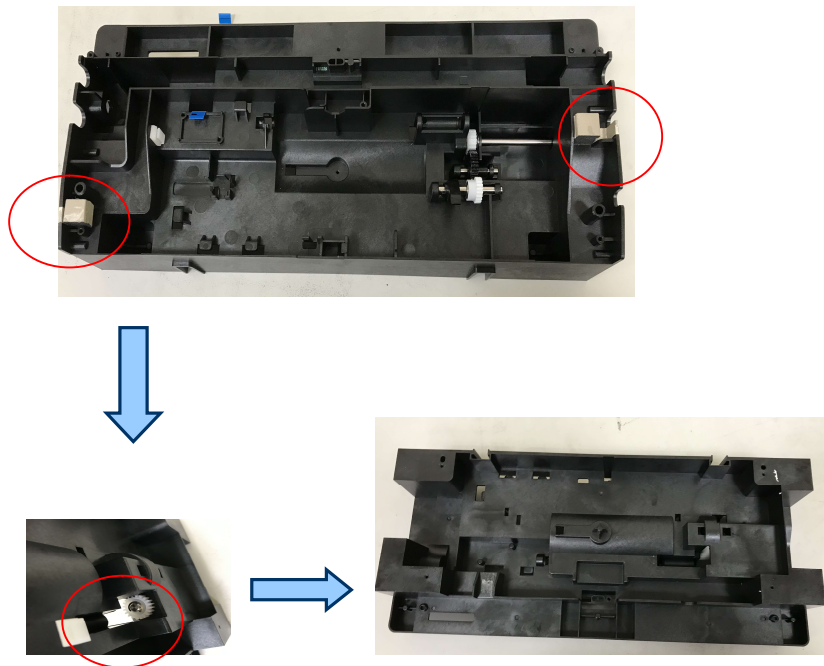
**Step 14: Use screwdriver to remove Rollers to take out Upper Path Guide (051-9735-0)**



**Step 15: Use screwdriver to take out Mount.**

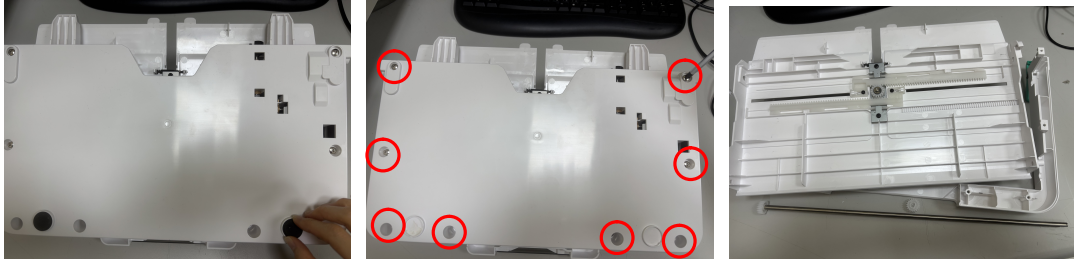


**Step 16: Unloosen the tenon to remove Gear and Sponge.**  
**To take out Lower Case(051-C441-0)**



## Input Tray Ass'y

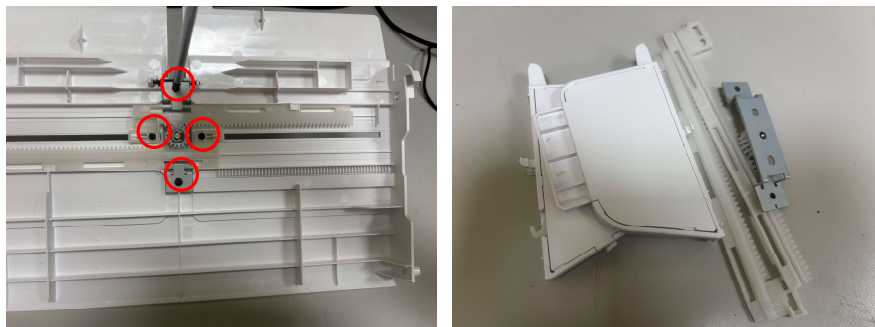
**Step 1: Take out Rubber Stand and use screwdriver to take out Shaft and other parts.**



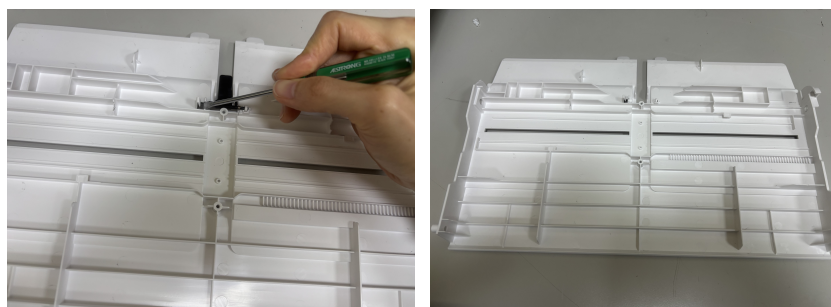
**Step 2: Take out Input Tray Cover(051-C195-0)**



**Step 3: Use screwdriver to separate the Guides and other parts.**



**Step 4: Unloosen the tenon to remove Input Tray UP(051-C193-0)**



**Step 5: Unloosen the tenon to remove Input Tray Bottom(051-C194-0)**



**Step 6: Unloosen the tenon to remove Input Tray Extend(051-C196-0)**

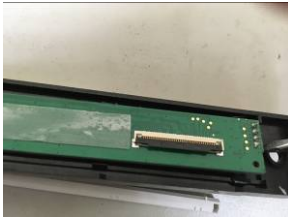


## CIS Module

**Step 1: Unloosen the tenon and take out Aluminum foil, Mylar.**



**Step 2: Unloosen the tenon to remove LED, Holder and CIS PCBA.**

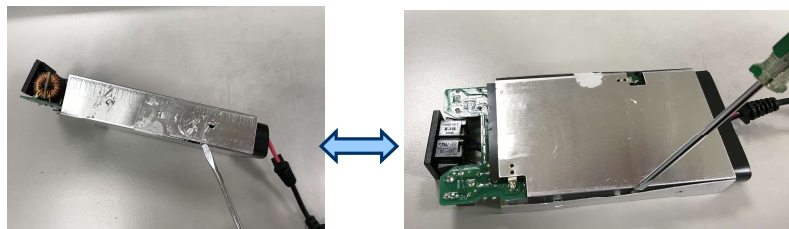


## Power Adapter (external power supply)

**Step 1: Use screwdriver to remove Upper Cover and Bottom Cover.**



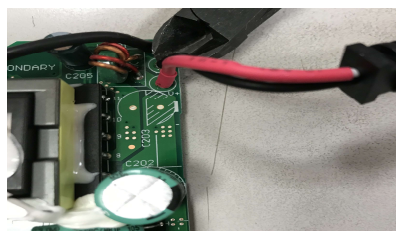
**Step 2: Use screwdriver / unloosen the tenon to metal plate.**



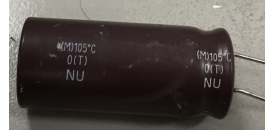
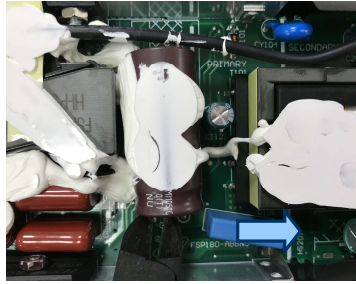
**Step 3: Cut down the metal plate. to take out PCBA**



**Step 4: Cut down the cable.**







### Step 5: Cut down the Capacitor.



## 4. Disassembly Tool

5.

<p><b>(1)</b></p> 	<p><b>(2)</b></p> 
<p><b>Screwdriver</b></p>	<p><b>Screwdriver</b></p>
<p><b>(3)</b></p>  	

## 5. Part List

No.	Name	Material	Qty.	Weight (g)	Characteristic
1	BUTTON,POWER	ABS	1	0.80	Recycle
2	BUTTON,CANCEL	ABS	1	1.50	Recycle
3	BUTTON,SCAN	ABS	1	1.50	Recycle
4	LOCK,RACK,SWITCH	POM	1	1.90	Recycle
5	GUIDE,HOLDER LEFT	ABS	1	2.90	Recycle
6	GUIDE,HOLDER RIGHT	ABS	1	2.90	Recycle
7	BUTTON,UP DOWN	ABS	2	3.40	Recycle
8	HOLDER,IR SENSOR	ABS	1	5.60	Recycle
9	STOPPER	ABS	1	5.90	Recycle
10	GUIDE,OUTPUT L	ABS	1	6.40	Recycle
11	GUIDE,OUTPUT R	ABS	1	6.40	Recycle
12	LOCK	ABS	2	7.00	Recycle
13	HOLDER,STOPPER	POM	1	9.00	Recycle
14	RACK-L	ABS	1	11.00	Recycle
15	RACK-R	ABS	1	11.00	Recycle
16	GUIDE,EXTEND LEFT	ABS	1	11.50	Recycle
17	GUIDE,EXTEND RIGHT	ABS	1	11.50	Recycle
18	ROLLER,CORE,REVERSE	POM	1	11.50	Recycle
19	LOCK R,DOOR BUTTON	POM	2	12.00	Recycle
20	GUIDE,INPUT EXTEND	ABS	2	12.12	Recycle
21	ROLLER,CORE,ADF	POM	1	12.50	Recycle
22	COVER,REVERSE	ABS	1	13.10	Recycle
23	LATCH,HOOK	ABS	1	14.10	Recycle
24	FIXER,STOPPER,L	ABS	1	18.00	Recycle
25	FIXER,STOPPER,R	ABS	1	18.00	Recycle
26	GUIDE,TRAY EXTENT	ABS	1	18.10	Recycle
27	GUIDE,INPUT LEFT	ABS	1	21.80	Recycle
28	GUIDE,INPUT RIGHT	ABS	1	21.80	Recycle
29	GEAR/PULLEY	POM	5	25.50	Recycle
30	HOLDER,REVERSE ROLLER	PC+11%CF	1	26.50	Recycle
31	COVER,ADF	ABS	1	31.00	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
32	ROLLER,ROLLER, IDLE	POM	8	39.20	Recycle
33	HOLDER,CIS UPPER	PC+11%CF	1	39.50	Recycle
34	CASE,PICKUP	PC+11%CF	1	42.00	Recycle
35	HOLDER,CIS GLASS LOWER	PC+11%CF	1	48.00	Recycle
36	HOLDER,CIS ROLLER LOWER	PC+20%GF	1	50.90	Recycle
37	CASE,PAPER CASE OUT LOWER	PC+11%CF	1	60.00	Recycle
38	COVER, TOP LEFT	ABS	1	63.40	Recycle
39	COVER, UI PANEL	ABS	1	64.20	Recycle
40	TRAY, OUTPUT, MIDDLE	ABS	1	67.00	Recycle
41	COVER, BOTTOM REAR	PC+ABS	1	68.10	Recycle
42	GUIDE, PATH CHANGE	PC+20%GF	1	69.00	Recycle
43	HOLDER, CIS ROLLER UPPER	PC+20%GF	1	73.00	Recycle
44	TRAY, EXTEND, OUTPUT	ABS	1	87.00	Recycle
45	HOLDER, IDLE ROLLER	PC+20%GF	2	94.00	Recycle
46	TRAY, EXTEND, INPUT	ABS	1	118.32	Recycle
47	COVER, BACK	ABS	1	123.10	Recycle
48	COVER, TOP	ABS	1	124.00	Recycle
49	TRAY, OUTPUT, BACK	ABS	1	127.60	Recycle
50	CASE, PAPER PATH IN	PC+11%CF	1	137.90	Recycle
51	HOLDER, GLASS UPPER	PC+11%CF	1	141.50	Recycle
52	COVER, INPUT TRAY	ABS	1	150.95	Recycle
53	GUIDE, UPPER PATH	PC+20%GF	1	185.00	Recycle
54	COVER, LEFT	ABS	1	205.00	Recycle
55	COVER, RIGHT	ABS	1	232.00	Recycle
56	COVER, BOTTOM	ABS	1	232.50	Recycle
57	TRAY, INPUT, UP	ABS	1	243.37	Recycle
58	CASE, UPPER	PC+20%GF	1	355.00	Recycle
59	TRAY, OUTPUT, MAIN	ABS	1	489.00	Recycle
60	TRAY, INPUT, BOTTOM	ABS	1	542.12	Recycle
61	CASE, LOWER	PC+20%GF	1	579.92	Recycle
62	CLAMP, CABLE	SPCC	2	2.60	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
63	SHEET,GROUNDING PAD 4	SUS301	1	0.12	Recycle
64	MOUNT,IDLE PULLEY	SECC	1	10.50	Recycle
65	PLATE,IDLE ROLLER	SECC	1	84.85	Recycle
66	PLATE,CIS ROLLER GEAR FIX	SECC	1	2.45	Recycle
67	PLATE,UPPER RIGHT	SECC	1	77.95	Recycle
68	PLATE,IDLE ROLLER	SECC	2	23.80	Recycle
69	PLATE,PAPER PATH	SUS430	1	156.70	Recycle
70	PLATE,BASE	SECC	1	478.00	Recycle
71	MOUNT LOWER RIGHT	SECC	1	483.80	Recycle
72	COVER, PCBA,ULTRASONIC	SPTE	1	3.75	Recycle
73	COVER, PCBA,LOWER PCBA	SECC	1	585.75	Recycle
74	MOUNT,IDLE OUT	SECC	1	268.95	Recycle
75	COVER,BOTTOM	SECC	1	422.75	Recycle
76	SPACER,MOTOR	SECC	1	33.60	Recycle
77	PLATE,GEARBOX	SECC	1	14.95	Recycle
78	BRACKET,SPRING,REVERSE ROLLER	SPTE	1	17.30	Recycle
79	SHEET, METAL,CIS UP	ALUMINUM	1	3.10	Recycle
80	SHEET, METAL,CIS DOWN	ALUMINUM	1	3.10	Recycle
81	MOUNT,CIS ROLLER GEAR	SECC	1	21.90	Recycle
82	PLATE,LOWER LEFT	SECC	1	445.50	Recycle
83	MOUNT,PULLEY LEFT SIDE	SPCC	1	26.20	Recycle
84	PLATE,UPPER LEFT	SPCC	1	73.20	Recycle
85	SUPPORT,INPUT TRAY	SECC	2	8.20	Recycle
86	SUPPORT,PLATE LEFT	SECC	1	19.90	Recycle
87	SUPPORT,PLATE RIGHT	SECC	1	20.60	Recycle
88	MOUNT,MOTOR TRAY LIFT	SECC	1	33.80	Recycle
89	MOUNT,MOTOR REVERSE ROLLER,ADF	SECC	1	38.60	Recycle
90	MOUNT,GEAR LIFT,ADF	SECC	1	53.10	Recycle
91	SPRING	SUS304	23	26.18	Recycle
92	SHAFT	Metal	31	667.48	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
93	ROLLER, FEED,IMAGE	Metal	3	758.40	Recycle
94	BUSH	COPPER	14	24.16	Recycle
95	BEARING	Metal	24	18.50	Recycle
96	GEAR	Metal	2	25.06	Recycle
97	PIN	Metal	3	3.60	Recycle
98	RUBBER STAND	SILICON	7	13.08	Energy Recovery
99	ROLLER, IDLE	RUBBER	10	52.76	Energy Recovery
100	SPONGE	SPONGE	10	4.18	Energy Recovery
101	GLASS	GLASS	4	58.22	95% Recycle + 5% Landfill
102	MOTOR	Metal	4	729.50	Recycle
103	MYLAR	Plastic	21	51.95	Recycle
104	SCREW	Metal	199	127.64	Recycle
105	Wires & Cables	-	35	170.90	Recycle
106	PCBA	PCB Complex	1	21.90	80% Recycle + 20% Energy Recovery
107	PCBA	PCB Complex	1	12.80	80% Recycle + 20% Energy Recovery
108	PCBA	PCB Complex	1	169.45	80% Recycle + 20% Energy Recovery
109	PCBA	PCB Complex	1	10.50	80% Recycle + 20% Energy Recovery
110	PCBA	PCB Complex	1	14.80	80% Recycle + 20% Energy Recovery
111	CIS Holder	Plastic	2	79.00	Recycle
112	CIS PCBA	PCB Complex	2	45.00	80% Recycle + 20% Energy

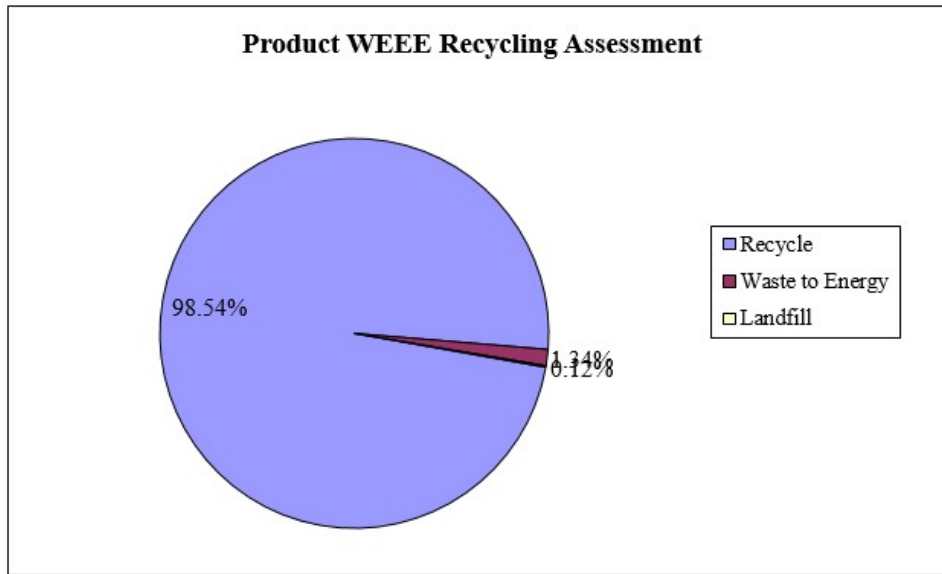
No.	Name	Material	Qty.	Weight (g)	Characteristic
					Recovery
113	LED	Plastic	2	25.00	Recycle
114	Adapter Top Cover	PC	1	37.50	Recycle
115	Adapter Bottom Cover	PC	1	38.00	Recycle
116	Metal,Sheet	Metal	1	35.00	Recycle
117	Capacitance	-	1	12.00	Landfill
118	PCBA ,Adapter	PCB Complex	1	186.00	80% Recycle + 20% Energ
119	Cable,Adapter	-	1	55.00	Recycle

## 6. 3R Assessment

Item	Main Material	Characteristic	Weight (g)	Percent (%)
1	Metal	Recycle	5830.54	48.20%
2	Plastic	Recycle	5440.25	44.97%
3	Glass	95% Recycle	55.31	0.46%
		5% Landfill	2.91	0.02%
4	CCFL	95% Recycle	0.00	0.00%
		5% Landfill	0.00	0.00%
5	Silicon	Energy Recovery	13.08	0.11%
6	Cables	Recycle	225.90	1.87%
7	Sponge	Energy Recovery	4.18	0.03%
8	Rubber	Energy Recovery	52.76	0.44%
9	PCBA	80% Recycle	368.36	3.04%
		20% Energy Recovery	92.09	0.76%
10	Capacitance over 2.5cm	Landfill	12.00	0.10%
11	LCD	Recycle	0.00	0.00%
Total weight			12097.38 g	100.00%
Recycling Rate (Reuse + Recycle)			11920.36 g	98.54%
Energy Recovery			162.11 g	1.34%
Recovery Rate (Reuse + Recycle + Energy Recovery)			12082.47 g	99.88%

## 7. WEEE Compliance

Item	Weight (g)	Percentage
Recycle	11920.36	98.54%
Waste to Energy	162.11	1.34%
Landfill	14.91	0.12%



## 8. WEEE ANNEX VII

—As the following substances, mixtures and components have to be removed from any separately collected WEEE:

No.	Name	Qty.	Weight (g)	Annex VII Materials
1	PCBA	1	21.9	Printed circuit board is greater than 10 square centimeters
2	PCBA	1	12.8	Printed circuit board is greater than 10 square centimeters
3	PCBA	1	169.45	Printed circuit board is greater than 10 square centimeters
4	PCBA	1	10.5	Printed circuit board is greater than 10 square centimeters
5	PCBA	2	14.8	Printed circuit board is greater than 10 square centimeters
16	PCBA, Adapter	1	186	Printed circuit board is greater than 10 square centimeters
17	Cap.	1	12	Electrolyte capacitors with substances of concern
18	External Power Cord	4	341.71	External electric cables

\*Materials exhibiting hazardous characteristics or those requiring special handling are those materials defined under Annex VII of the EU WEEE Directive 2012/19/EU and subsequent updates.