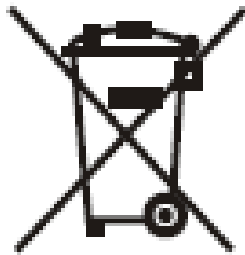


Waste Electrical and Electronic Equipment Directive (WEEE) Compliance Assessment Report



Introduction

Manufacturer:	AVISION INC.				
Address:	No. 20, Yanxin 1st Road., Baoshan Township, Hsinchu County, Hsinchu Science Industrial Park, Taiwan (R.O.C.)				
Equipment:	Scanner				
Type Designation:	AD8120P				
Report Date:	2020/4/28				
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:	<table><tr><td>Reuse and recycling Rate =</td><td>98.62%</td></tr><tr><td>Recovery Rate =</td><td>99.85%</td></tr></table>	Reuse and recycling Rate =	98.62%	Recovery Rate =	99.85%
Reuse and recycling Rate =	98.62%				
Recovery Rate =	99.85%				

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1. Product Information:

Dimension(W×D×H):460×444×328 mm

Weight: 25kg

Accessories: 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: Unloosen the tenon to take out Top Cover(051-9854-0)



Step 2: Unloosen the tenon to take out Bottom Rear Cover(051-9622-0)



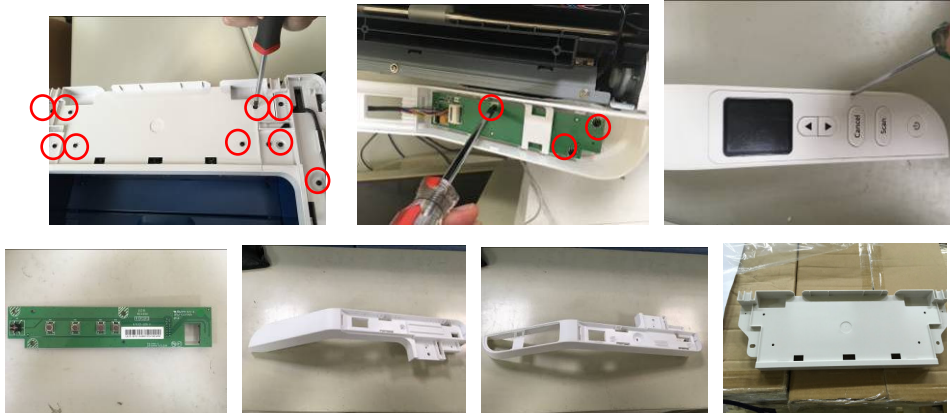
Step 3: Unloosen the tenon to take out ID Cover(051-9253-0)



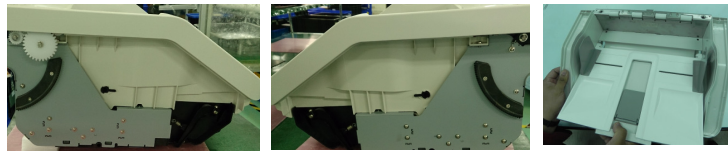
Step 4: Use screwdriver and unloosen the tenon to remove Back ID Cover (051-9254-0) and Top ID Cover(051-9255-0)



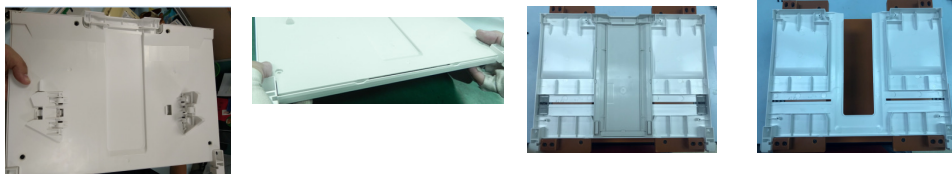
Step 5: Use screwdriver and unloosen the tenon to remove Buttons, Upper Left/Right Case (051-9853-0/ 051-9851-0), Upper Middle Case(051-9852-0) and PCBA(UIA239/004-3269-9)



Step 6: Open the Upper Base Ass'y and open Lock to separate Output Tray Ass'y.



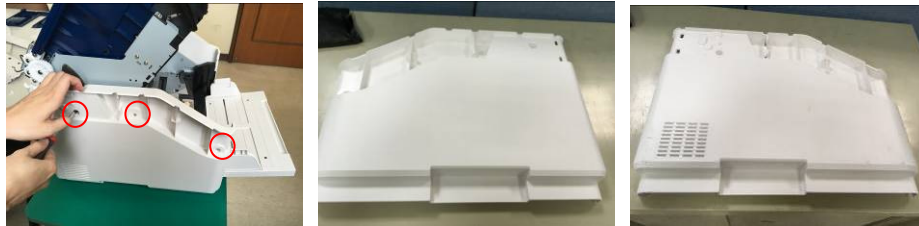
Step 7: Use a screwdriver to remove Exit Upper/Lower Case/ (051-9271-0, 051-9270-0) and other plastic parts.



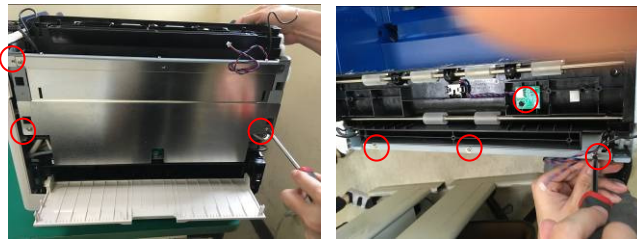
Step 8: Unloosen the tenon to remove ID Left/Right Top Cover (051-9256-0 & 051-9257-0)



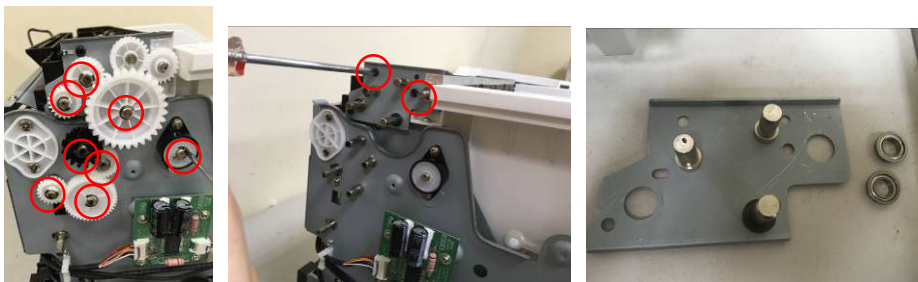
Step 9: Use screwdriver to take out ID Left/Right Bottom Cover (051-9258-0 & 051-9259-0)



Step 10 : Use screwdriver to take out Plate and PCBA(BBA81/004-3273-9)

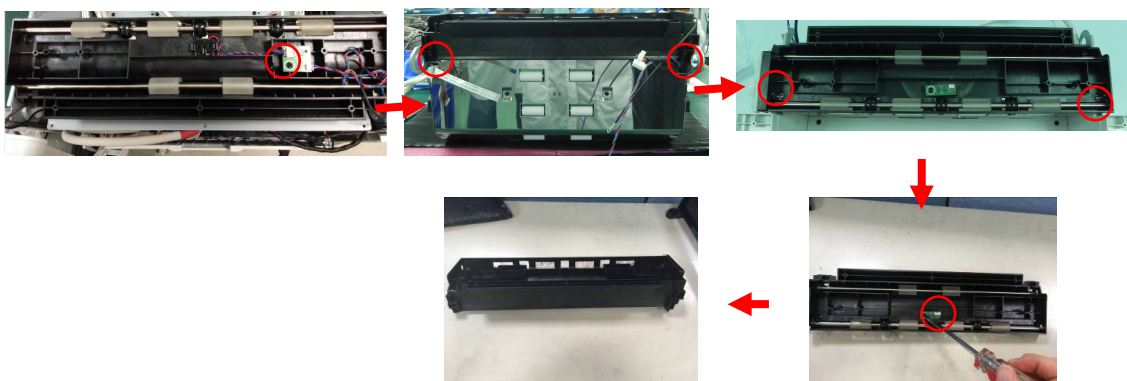


Step 11: Use screwdriver to remove Mount.

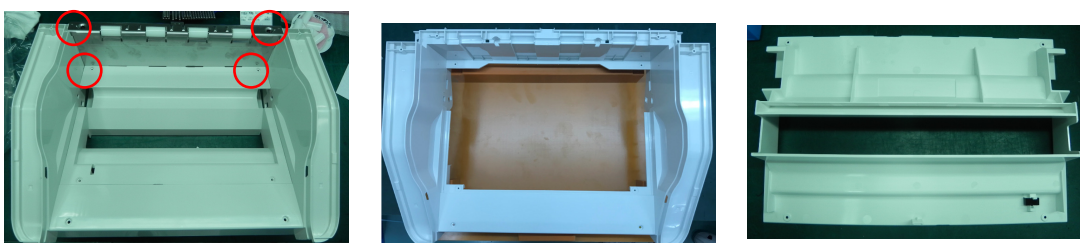


Step 12: Use screwdriver and open the Feeding Ass'y.

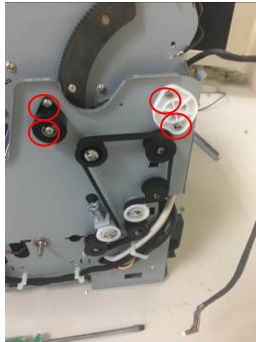
Take out Roller and Sensor to Feeding Out Case(051-9783-0)



Step 13: Use screwdriver to take out Upper Case(051-9285-0) , Upper Middle Cover (051-9286-0).

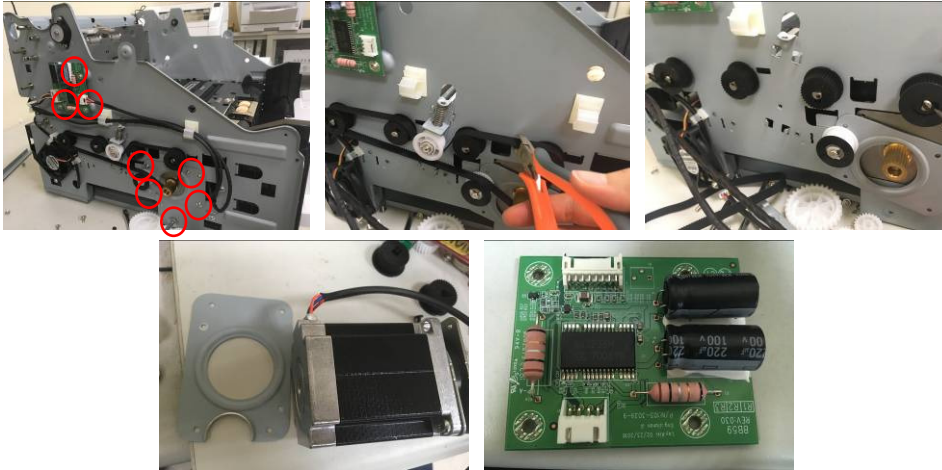


Step 14: Use screwdriver and unloosen the tenon to separate Ass'y Upper Base and A'ssy Lower Base.



Lower Base Ass'y

**Step 1: Use screwdriver and cut Belt to remove Motor, Plate ,
PCBA(BBA59/004-3039-9)**



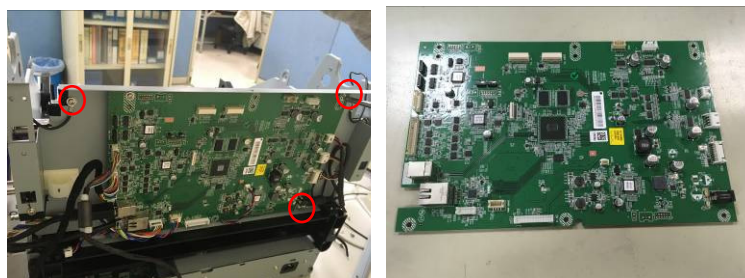
Step 2: Cut the pin to take out Capacitors(121-009-7532270).



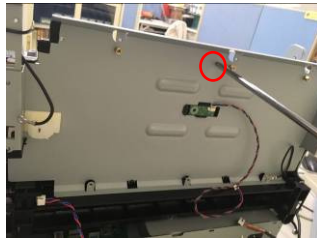
Step 3: Use screwdriver to take out PCBA(BBA57/004-2996-9)



Step 4: Use screwdriver to remove PCBA(MBA908/004-3524-9)



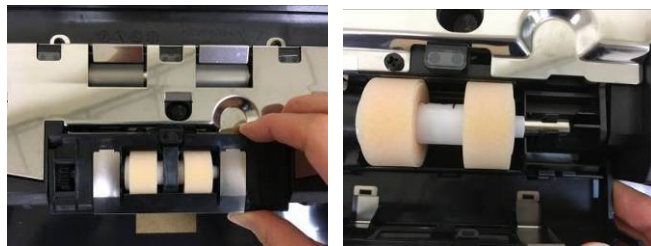
Step 5: Use screwdriver to remove Mount



Step 6: Take out the Holder



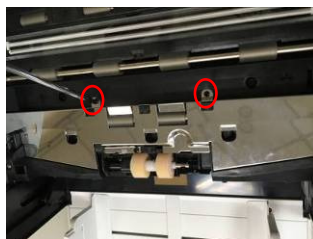
Step 7: Open and Press to take out Cover.



Step 8: Use screwdriver to remove Plate.



Step 9: Use screwdriver to remove Plates and Rollers



Step 10: Use screwdriver and loosen the tenon to remove Cover.



Step 11: Unloosen the tenon to remove Plate.



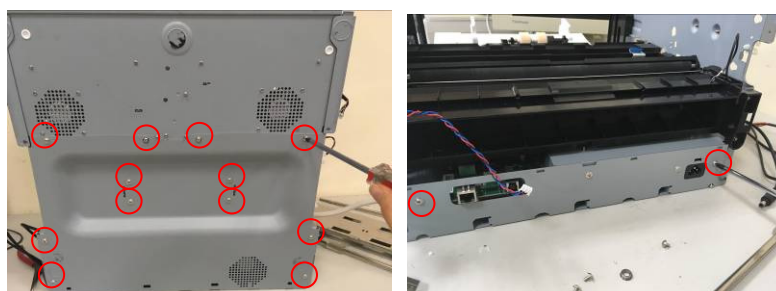
Step 12: Unloosen the tenon to remove the Case(051-8894-0)



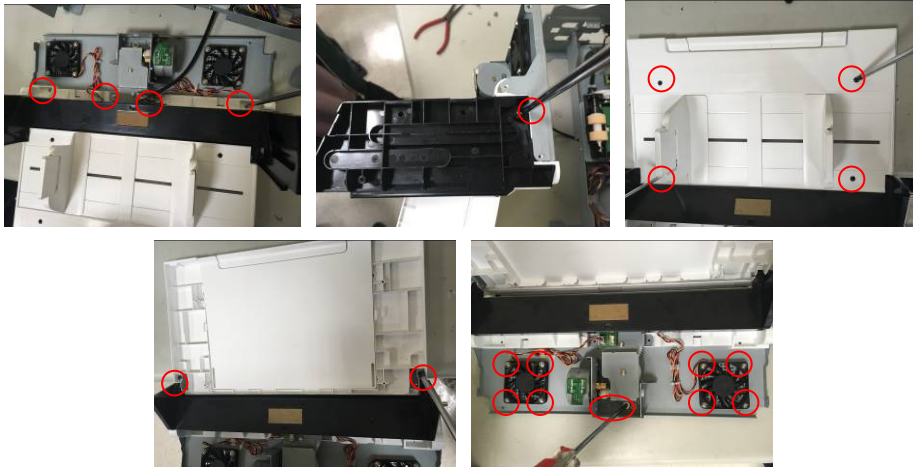
Step 13: Take out Rubber Stand.



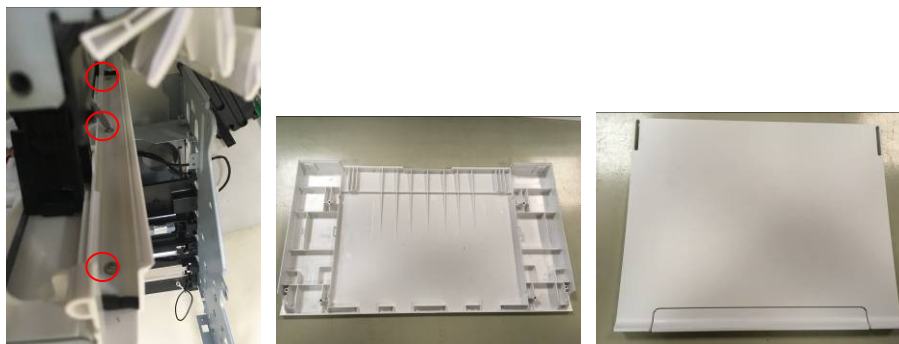
Step 14: Use screwdriver to take out Mount.



Step 15: Use screwdriver to remove Motor and Fans.



Step 16: Use screwdriver to remove Input Tray Down(051-A354-0) and Extend Tray Middle(051-9262-0)



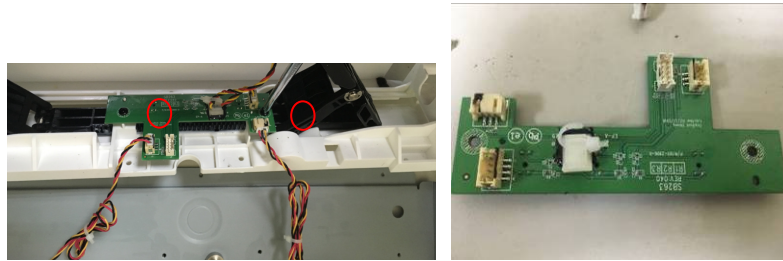
Step 17: Use screwdriver to push the pin, and then remove Case (051-9287-0) and Bracket(051-8924-0)



Step 18: Use screwdriver and unplug the cables to remove PCBA(SBA295/004-3375-9).



Step 19: Use screwdriver to remove PCBA(SBA296/ 004-3376-9)



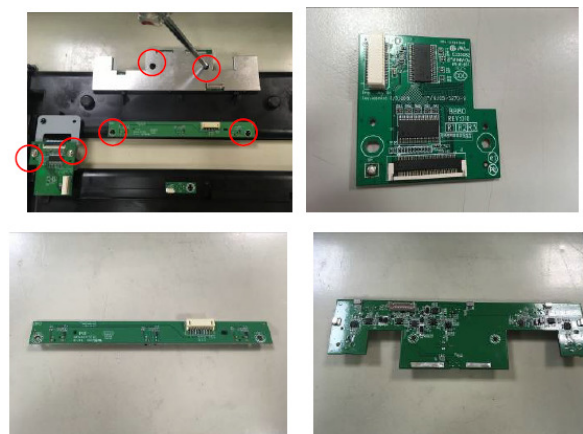
Step 20: Use screwdriver to remove Input Tray Up(051-9261-0)



Step 21: Use screwdriver and unplug the cables to separate Ass'y Lower Case.



Step 22: Use screwdriver to remove PCBA(BBA80/004-3270-9) and PCBA(SBA262/004-2998-9). Unloosen the tenon and use solder iron to take out PCBA(SBA261/004-2997-9).



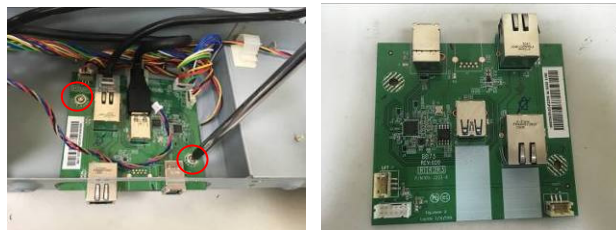
Step 23: Use screwdriver to remove Case (051-9850-0)



Step 24: Use screwdriver and unloosen the tenon to remove Case (051-8887-0)



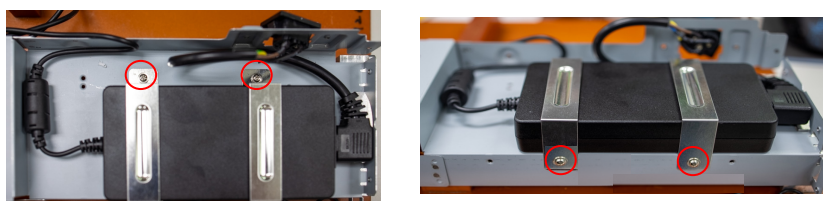
Step 25: Use screwdriver and unplug the cables to remove PCBA(BBA75/004-3223-9)



Step 26: Take out Sponge.



Step 27: Use screwdriver to remove Power Adapter.



Upper Base Ass'y

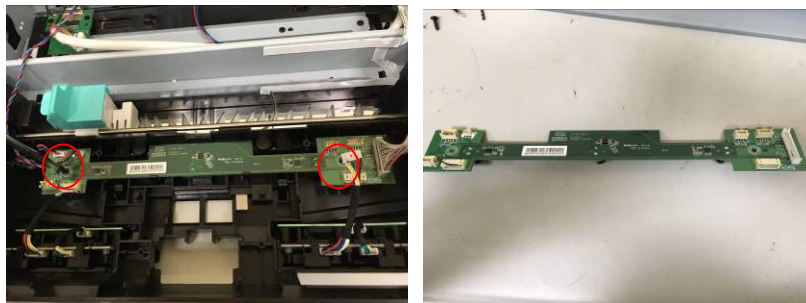
Step 1: Unscrew the joint to remove Latch Hook and Shaft.



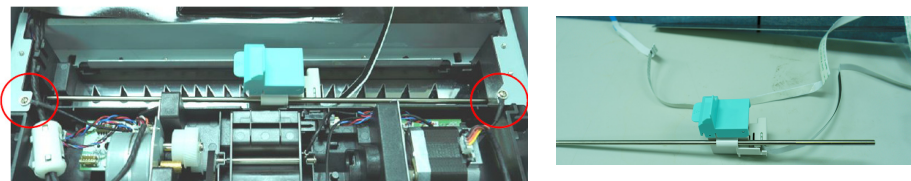
Step 2: Unscrew the joint/ disconnect the wire to separate the ADF Roller Ass'y.



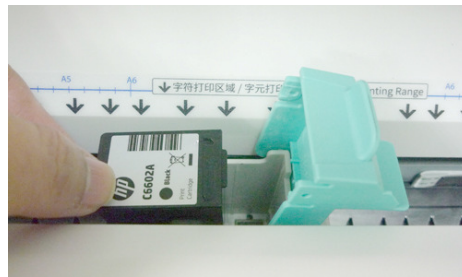
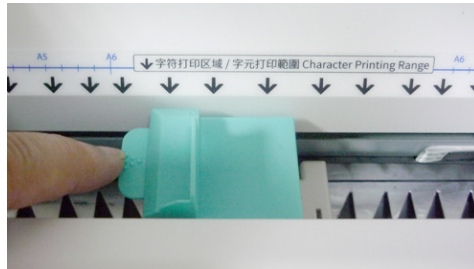
Step 3: Unscrew the joint to remove PCBA(SBA294/004-3374-9)



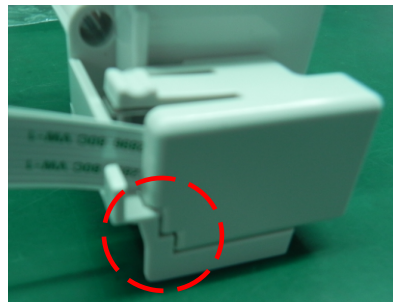
Step 4: Unloosen the tenon to remove Ass'y Imprinter



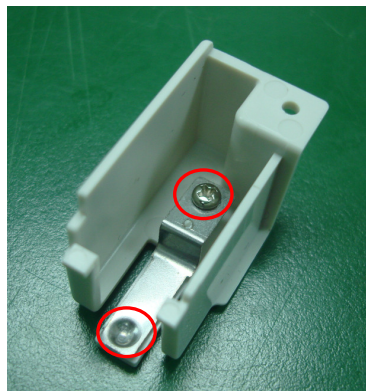
Step 5: Open the Print Cartridge Holder and take out the cartridge. The cartridge is separated by HP's recycling process.



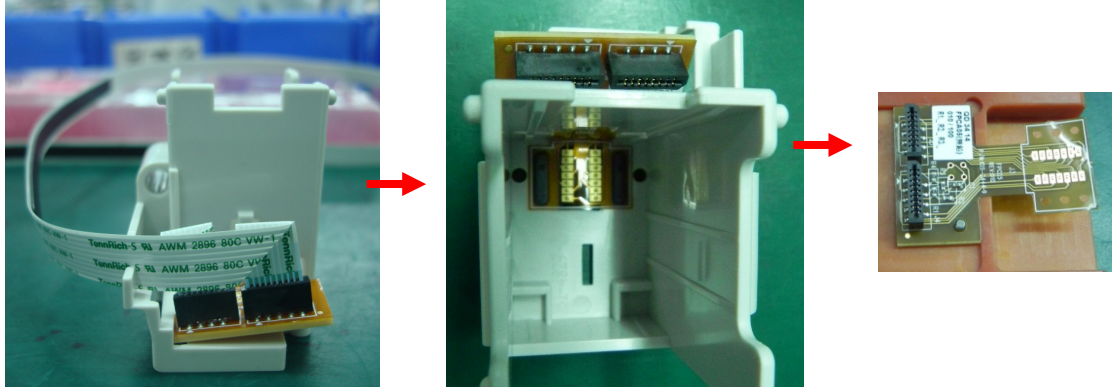
Step 6: Unloosen the tenon to remove Bracket Cover



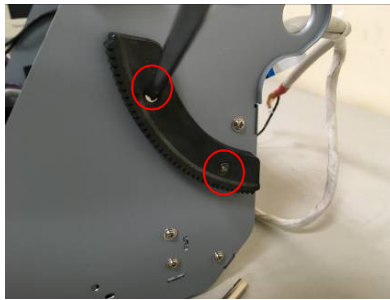
Step 7: Use screwdriver to remove Spring Cover



Step 8: Unplug the cables to remove the PCBA.



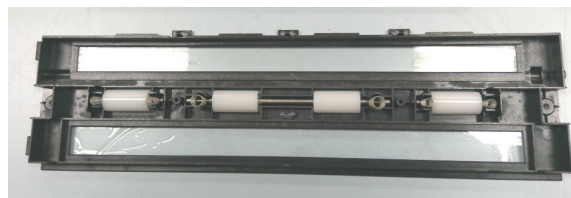
Step 9 : Unscrew the joint to remove Rack.



Step 10: Use screwdriver to remove Ass'y Idle Roller Holder.

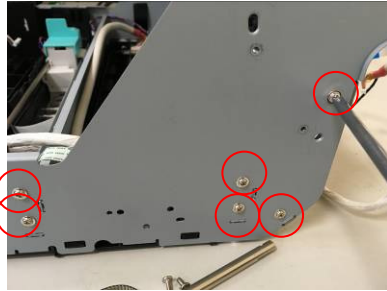


Step 11: Unloosen the tenon to remove all parts(Spring/Roller/Shaft/Glass/Holder Glass Upper(051-A110-0))

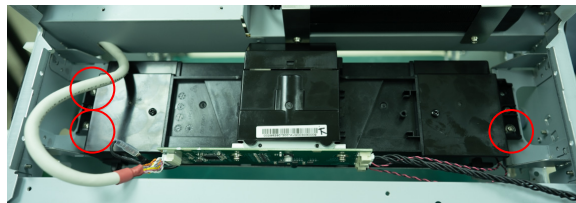




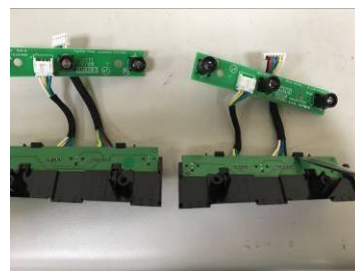
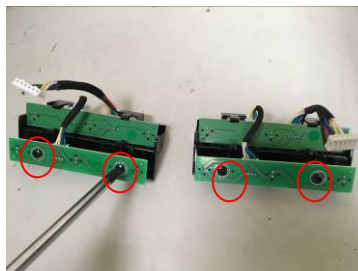
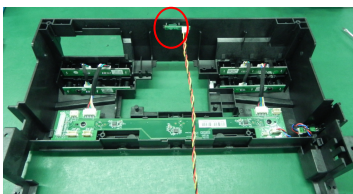
Step 12: Unscrew the joint to take out Plate.



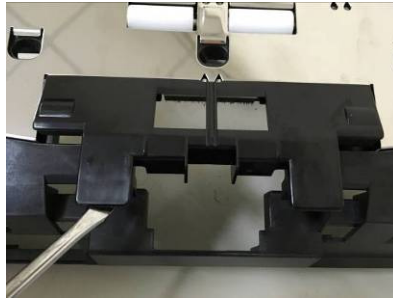
Step 13: Unscrew the joint to take out Ass'y Optical.



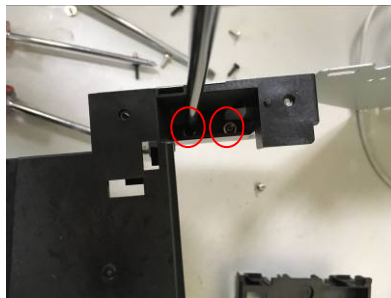
**Step 14: Unloosen the tenon /use screwdriver and unplug the cables to remove PCBA
(SBA308/004-3494-9, SBA264/004-3016-9, SBA265/004-3017-9)**



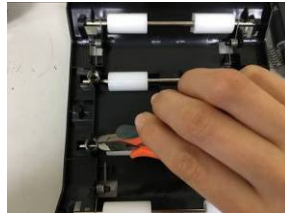
Step 15: Unloosen the tenon to remove Cover and Plate.



Step 16: Use screwdriver to remove Base Case(051-A352-0)



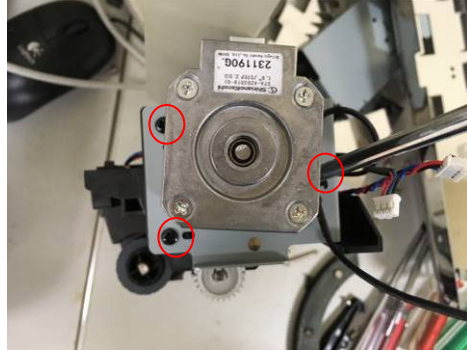
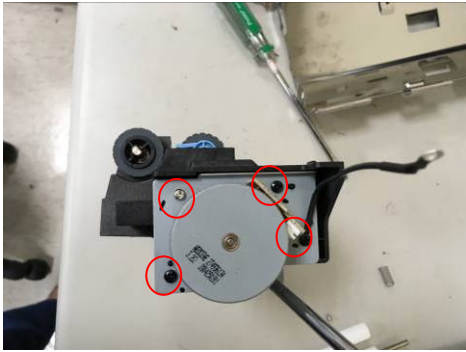
Step 17: Use screwdriver and take out spring to remove Roller, Shaft and Holder.



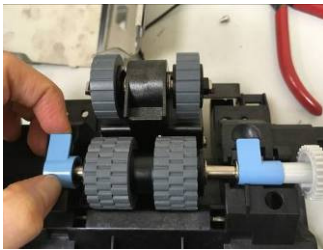
Step 18: Use screwdriver/ loosen the tenon to take out Roller, Holder and Plate.



Step 19: Use screwdriver to take out Motor from ADF Roller Ass'y



Step 20: Open the Lock to take out Roller. Unplug the cables /unloosen the tenon to remove Case(051-8872-0) .



CIS Module

Step 1: Unloosen the tenon and take out Copper Foil, Mylar.



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



Power Adapter

Step 1: Take out Rubber Stand.



Step 2: Use screwdriver to remove Upper Cover and Bottom Cover.



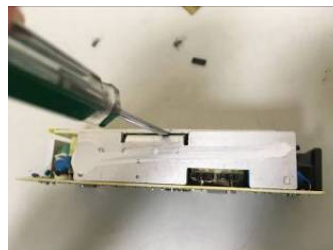
Step 3: Take out Al sheet and Mylar.



Step 4: Cut down the cable.



Step 5: Use screwdriver / unloosen the tenon to take out PCBA and Plate.



Step 6: Cut down the Capacitor.



4. Disassembly Tool

(1)



Screwdriver

(2)



Screwdriver

(3)



Blade

(4)



Pliers

5. Part List

No.	Name	Material	Qty.	Weight (g)	Characteristic
1	BUTTON,POWER	ABS	1	0.8	Recycle
2	BUTTON,UP DOWN	ABS	1	0.85	Recycle
3	LOCK,BEARING	POM	2	2	Recycle
4	BUTTON,SCAN	ABS	1	1.5	Recycle
5	BUTTON,CANCEL	ABS	1	1.5	Recycle
6	GUIDE,INPUT EXTEND	ABS	1	6.4	Recycle
7	SUPPORT,OUTPUT TRAY	ABS	1	8.8	Recycle
8	HOLDER,STOPPER	POM	1	9.6	Recycle
9	HOOK	POM	2	20.4	Recycle
10	GUIDE,STABLE RIGHT	PC	1	11.9	Recycle
11	GUIDE,STABLE LEFT	PC	1	12.2	Recycle
12	COVER,LCM	ABS	1	13	Recycle
13	SUPPORT,INPUT TRAY LINK SHORT	POM	2	26	Recycle
14	GUIDE,EXTEND LEFT	ABS	1	13.5	Recycle
15	GUIDE,EXTEND RIGHT	ABS	1	13.5	Recycle
16	STOPPER	ABS	1	15	Recycle
17	COVER,WINDOW DOWN	ABS	1	15	Recycle
18	COVER,WINDOW MIDDLE	ABS	1	15.6	Recycle
19	LATCH,HOOK	ABS	1	16	Recycle
20	GUIDE,INPUT RIGHT	ABS	1	17	Recycle
21	HOLDER,REVERSE ROLLER	PC+11%CF	1	17.1	Recycle
22	GUIDE,INPUT LEFT	ABS	1	17.3	Recycle
23	LOCK,RACK,SWITCH	POM	1	2.3	Recycle
24	HOUSING, BOTTOM, SHIELD INK	ABS	1	18	Recycle
25	COVER,REVERSE ROLLER	ABS	1	18.5	Recycle
26	GUIDE,ADF	ABS	1	21	Recycle
27	SUPPORT,INPUT TRAY LINK LONG	POM	2	58.8	Recycle
28	GUIDE,SIDE RIGHT	ABS	1	29.7	Recycle
29	GUIDE,SIDE LEFT	ABS	1	29.7	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
30	HOUSING, UPPER,SHIELD INK	ABS	1	31.5	Recycle
31	BRACKET,PICKUP	PC+11%CF	1	44.2	Recycle
32	HOLDER,IDLE ROLLER	PC+20%GF	2	94	Recycle
33	TRAY, EXTEND,INPUT OUT	ABS	1	53	Recycle
34	FIXER,STOPPER	ABS	1	56.1	Recycle
35	BRACKET,INPUT TRAY TRACK RIGHT	PC+ABS	1	58.9	Recycle
36	BRACKET,INPUT TRAY TRACK LEFT	PC+ABS	1	58.9	Recycle
37	COVER,PAPER GUIDE	PC+11%CF	1	60	Recycle
38	COVER,BOTTOM REAR	ABS	1	69.8	Recycle
39	HOLDER,IDLE ROLLER	ABS	1	72	Recycle
40	TRAY, EXTEND,OUTPUT	ABS	1	77.3	Recycle
41	COVER,ID TOP	ABS	1	106	Recycle
42	COVER,ID OUTPUT TRAY BACK	ABS	1	107	Recycle
43	TRAY, EXTEND,INPUT MIDDLE	ABS	1	110	Recycle
44	COVER,ID RIGHT TOP	ABS	1	118	Recycle
45	CASE,UPPER RIGHT	ABS	1	119	Recycle
46	COVER,ID LEFT TOP	ABS	1	119	Recycle
47	BRACKET,INPUT MAIN TRAY	ABS	1	127	Recycle
48	CASE,ADF & MOTOR	PC+30%GF	1	130	Recycle
49	CASE,UPPER LEFT	ABS	1	138	Recycle
50	HOLDER,GLASS UPPER	PC+11%CF	1	141.5	Recycle
51	CASE,UPPER MIDDEL	ABS	1	146	Recycle
52	CASE,PAPER PATH BACK	PC+ABS	1	175	Recycle
53	CASE,INPUT BOTTOM GEARBOX	ABS	1	180	Recycle
54	CASE,PAPER PATH IN	PC+30%GF	1	186	Recycle
55	TRAY, INPUT,UP	ABS	1	196	Recycle
56	TRAY, INPUT,DOWN	ABS	1	234.7	Recycle
57	COVER, TOP	ABS	1	235	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
58	CASE,EXIT LOWER	ABS	1	243.5	Recycle
59	CASE,FEEDING OUT	PC+20%GF	1	258.3	Recycle
60	COVER,ID BACK	PC+ABS	1	264	Recycle
61	CASE,EXIT UPPER	ABS	1	281.9	Recycle
62	COVER,UPPER MIDDLE	ABS	1	307	Recycle
63	CASE,PAPER PATH OUT	PC+20%GF	1	368	Recycle
64	CASE,BASE	PC+30%GF	1	442	Recycle
65	COVER,ID RIGHT BOTTOM	ABS	1	490	Recycle
66	COVER,ID LEFT BOTTOM	ABS	1	491	Recycle
67	CASE,UPPER	ABS	1	530.6	Recycle
68	LIGHT COVER,ADF LED	PC	4	8.3	Recycle
69	CHASSIS, OPTICAL, ADF	PC+20%GF	2	378	Recycle
70	CASE,ADF LAMP MOUNT	PC+30%GF	2	206	Recycle
71	COVER,SEAL R	ABS	2	39	Recycle
72	COVER,SEAL L	ABS	2	39	Recycle
73	COVER,SEAL F	ABS	1	10.4	Recycle
74	COVER,LENS	ABS	1	9.63	Recycle
75	ROLLER,IDLE,CORE	POM	4	9.6	Recycle
76	FIXER	ABS	1	8.5	Recycle
77	BRACKET COVER	ABS	1	5.6	Recycle
78	BRACKET,INKJET	ABS	1	60.8	Recycle
79	BRACKET	SECC	2	27.2	Recycle
80	CLAMP	SUS301	18	34	Recycle
81	COVER,BOTTOM	SECC	1	559	Recycle
82	GUIDE,PAPER	SUS304	1	2	Recycle
83	HOLDER	Metal	12	199.2	Recycle
84	MOUNT	SECC	15	1688.7	Recycle
85	PLATE	Metal	17	3329.5	Recycle
86	PLATE, LINK	SECC	2	676.4	Recycle
87	PLATE, MIRROR	SUS304	1	10	Recycle
88	SHEET, METAL	SECC	1	372.55	Recycle
89	SHELL	Metal	2	397.15	Recycle
90	SUPPORT	SECC	6	861.5	Recycle
91	CHASSIS, OPTICAL	Aluminum	4	118.92	Recycle
92	GEAR	Metal	5	305.02	Recycle

No.	Name	Material	Qty.	Weight (g)	Characteristic
93	SHAFT	Metal	17	634.15	Recycle
94	SPRING	Metal	47	30	Recycle
95	SPRING COVER	SUS301	1	0.5	Recycle
96	BELT, CLOSE	CR	6	13.95	Energy Recovery
97	DAMPER	Silicone	5	3.08	Energy Recovery
98	PAD	Silicone	3	0.2	Energy Recovery
99	ROLLER, FEED	PU	9	1887.7	Recycle
100	ROLLER, IDLE	Rubber	8	78.8	Energy Recovery
101	RUBBER STAND	Silicon	6	18.5	Energy Recovery
102	SPONGE	Sponge	19	7.22	Energy Recovery
103	MIRROR	GLASS	10	356.7	95% Recycle + 5% Landfill
104	GLASS	GLASS	6	211.5	95% Recycle + 5% Landfill
105	Motor	Metal	2	2002.59	Recycle
106	LENS	Metal	2	146.6	Recycle
107	SCREW(Cross)	Metal	379	265.9	Recycle
108	Wires & Cables	-	45	1230	Recycle
109	PCBA	PCB Complex	1	1.9	80% Recycle + 20% Energy Recovery
110	PCBA	PCB Complex	1	36.37	80% Recycle + 20% Energy Recovery
111	PCBA	PCB Complex	1	21.97	80% Recycle + 20% Energy Recovery
112	PCBA	PCB Complex	1	61.36	80% Recycle + 20% Energy Recovery
113	PCBA	PCB Complex	1	12.19	80% Recycle + 20% Energy Recovery
114	PCBA	PCB Complex	2	12.1	80% Recycle + 20% Energy

No.	Name	Material	Qty.	Weight (g)	Characteristic
					Recovery
115	PCBA	PCB Complex	1	6.9	80% Recycle + 20% Energy Recovery
116	PCBA	PCB Complex	1	29.71	80% Recycle + 20% Energy Recovery
117	PCBA	PCB Complex	1	49.2	80% Recycle + 20% Energy Recovery
118	PCBA	PCB Complex	1	22.3	80% Recycle + 20% Energy Recovery
119	PCBA	PCB Complex	2	25.2	80% Recycle + 20% Energy Recovery
120	PCBA	PCB Complex	1	4.6	80% Recycle + 20% Energy Recovery
121	PCBA	PCB Complex	1	16.2	80% Recycle + 20% Energy Recovery
122	PCBA	PCB Complex	1	241.6	80% Recycle + 20% Energy Recovery
123	CIS PCBA	PCB Complex	2	45	80% Recycle + 20% Energy Recovery
124	Copper Foil	Copper	1	5	Recycle
125	Mylar	PC	1	5	Recycle
126	LED	Plastic	1	28	Recycle
127	CIS Holder	Plastic	1	80	Recycle
128	Upper Cover	Plastic	1	55.5	Recycle
129	Lower Cover	Plastic	1	52	Recycle
130	Al sheet	Metal	1	41	Recycle

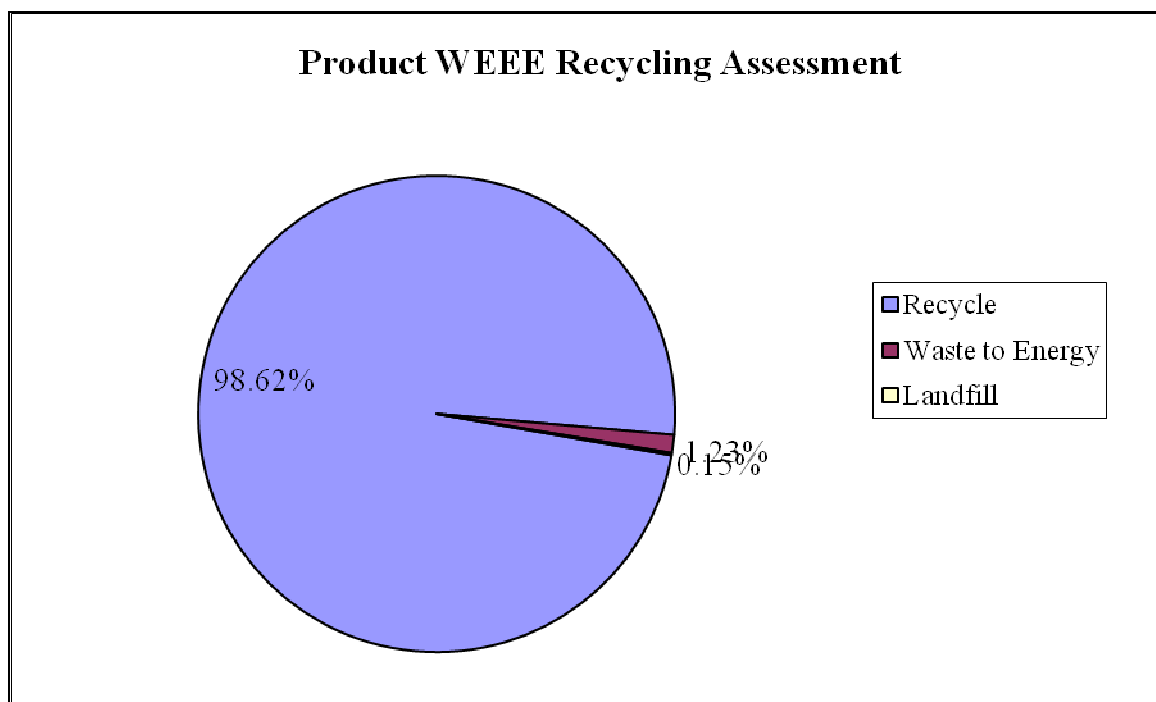
No.	Name	Material	Qty.	Weight (g)	Characteristic
131	PCBA	PCB Complex	1	327	80% Recycle + 20% Energy Recovery
132	Capacitors	-	2	8.5	Energy Recovery

6. 3R Assessment

Item	Main Material	Characteristic	Weight (g)	Percent (%)
1	Metal	Recycle	11706.88	47.23%
2	Plastic	Recycle	10236.18	41.30%
3	Glass	95% Recycle	539.79	2.18%
		5% Landfill	28.41	0.11%
4	CCFL	95% Recycle	0.00	0.00%
		5% Landfill	0.00	0.00%
5	Silicon	Energy Recovery	21.78	0.09%
6	Cables	Recycle	1230.00	4.96%
7	Sponge	Energy Recovery	7.22	0.03%
8	Rubber	Energy Recovery	92.75	0.37%
9	PCBA	80% Recycle	730.88	2.95%
		20% Energy Recovery	182.72	0.74%
10	Capacitance over 2.5cm	Landfill	8.50	0.03%
11	LCD	Recycle	0.00	0.00%
Total weight			24785.11 g	100.00%
Recycling Rate (Reuse + Recycle)			24443.73 g	98.62%
Energy Recovery			304.47 g	1.23%
Recovery Rate (Reuse + Recycle + Energy Recovery)			24748.20 g	99.85%

7. WEEE Compliance

Item	Weight (g)	Percentage
Recycle	24443.73	98.62%
Waste to Energy	304.47	1.23%
Landfill	36.91	0.15%



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	36.37	Printed circuit board is greater than 10 square centimetres
2	PCBA	1	21.97	Printed circuit board is greater than 10 square centimetres
3	PCBA	1	61.36	Printed circuit board is greater than 10 square centimetres
4	PCBA	1	12.19	Printed circuit board is greater than 10 square centimetres
5	PCBA	2	12.1	Printed circuit board is greater than 10 square centimetres
6	PCBA	1	6.9	Printed circuit board is greater than 10 square centimetres
7	PCBA	1	29.71	Printed circuit board is greater than 10 square centimetres
8	PCBA	1	49.2	Printed circuit board is greater than 10 square centimetres
9	PCBA	1	22.3	Printed circuit board is greater than 10 square centimetres
10	PCBA	2	25.2	Printed circuit board is greater than 10 square centimetres
11	PCBA	1	16.2	Printed circuit board is greater than 10 square centimetres
12	PCBA	1	241.6	Printed circuit board is greater than 10 square centimetres
13	CIS PCBA	2	45	Printed circuit board is greater than 10 square centimetres
14	PCBA,Adapter	1	327	Printed circuit board is greater than 10 square centimetres
15	Capacitors	2	8.5	Electrolyte capacitors with substances of concern
16	External Power Cord	5	349.5	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.