

Report No.: 18300RC20445501

Test Report

Client Name : **Anker Innovations Limited**

Client Address : **Room1318-19,HollywoodPlaza,610NathanRoad,
Mongkok,Kowloon,Hongkong**

Product Name : **Anker 767 Portable Power Station (GaNPrime
PowerHouse2048Wh)**

Report Date : **Oct. 26, 2022**



Shenzhen Anbotek Compliance Laboratory Limited

Shenzhen Anbotek Compliance Laboratory Limited

Address:East of 4/F.,Building A, Hourui No.3 Industrial Zone, Xixiang Street, Bao'an District, Shenzhen,Guangdong,China
Tel:(86) 0755-26066126 Fax:(86) 0755-26066021 Email:service@anbotek.com

 Hotline
400-003-0500
www.anbotek.com.cn



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Applicant : Anker Innovations Limited

Address : Room1318-19,HollywoodPlaza,610NathanRoad,Mongkok,Kowloon,
Hongkong

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample Name : Anker 767 Portable Power Station (GaNPrime PowerHouse2048Wh)

Test Model No. : A1780

Trade Mark : ANKER

Sample Received Date : Aug. 30, 2022; Oct. 08, 2022

Testing Period : Aug. 30, 2022 to Oct. 21 2022

Test Requested : As specified by client, based on the list published by European chemicals agency (ECHA) for public consultation regarding regulation (EC) No 1907/2006 concerning the REACH, to determine the two hundred and twenty-four (224) Substances of Very High Concern (SVHC) in the submitted sample.

Test Method: In-House method-Analyzed by ICP-OES, UV-Vis, HPLC, LC-MS-MS, GC, GC-MS and colorimetric method.

Test Result(s): Please refer to the following page(s).

Summary:

According to the ruling of the Court of Justice of the European Union on the definition of an article under REACH, and the specified scope and evaluation screening, the test results of SVHC are >0.1%(w/w) in the articles of the submitted sample:

-Lead

WARNING

Edited by

Beryl Jian

Reviewed by

ainna

Authorized Signatory

[Signature]



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Tested Sample/Part Description:

Tested Groups	Description	Photo No.	Component
A#	Metal mixed	9	Silvery metal plate
		13	Copper-colored metal block
		14	Silvery metal shell
		15	Silvery metal socket
		17	Silvery metal socket
		19	Metal rod with silvery-gray oxide layer
		21	Metal tie rod with silvery-gray oxide layer
		22	Silvery metal screw
		24	Silvery metal contact pin
		29	Copper-colored metal socket
		31	Silvery metal socket
		36	Silvery metal bead
		37	Silvery metal ring
		38	Silvery metal ring
		45	Copper-colored metal coil
		50	Copper-colored metal socket
		52	Silvery metal cable core
64	Copper-colored metal contact pin		
68	Silvery metal shell		
71	Silvery metal shell		
B#	Metal mixed	76	Silvery metal magnet
		77	Silvery metal shaft
		85	Silvery metal soldering tin
		96	Silvery metal pin
		100	Silvery metal crystal oscillator
		101	Silvery metal crystal oscillator
		102	Silvery metal plate
		103	Silvery metal shrapnel
		105	Silvery metal electrical contact
		108	Silvery metal pin
		116	Silvery metal soldering tin
		123	Copper-colored metal socket
125	Silvery metal soldering tin		



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Tested Groups	Description	Photo No.	Component
B#	Metal mixed	131	Copper-colored metal stud
		136	Silvery metal soldering tin
		138	Silvery metal ring
		140	Copper-colored metal coil
		141	Metal plate with black coating
		142	Silvery metal shaft
		143	Silvery metal ring
C#	Metal mixed	145	Blue zinc plated metal screw
		153	Silvery metal pin
		155	Silvery metal shell
		158	Silvery metal foil plate
		159	Gray metal foil plate
		161	Silvery metal pin
		166	Silvery metal block
		170	Copper-colored metal coil
		176	Silvery metal screw
		179	Silvery metal plate
		184	Silvery metal plate
		188	Copper-colored metal plate
		192	Copper-colored metal wire core
		201	Silvery metal plate
		202	Silvery metal ring
		203	Copper-colored metal coil
204	Silvery metal ring		
209	Silvery metal soldering tin		
215	Silvery metal electrical contact		
216	Silvery metal plate		
D#	Metal mixed	217	Copper-colored metal plate
		218	Silvery metal spring
		219	Silvery metal soldering tin
		220	Silvery metal rivet
		223	Silvery metal soldering tin
		231	Silvery metal plate
		232	Silvery metal screw
		240	Silvery metal plate



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Tested Groups	Description	Photo No.	Component
D#	Metal mixed	242	Metal screw with black coating
		244	Silvery metal plate
		246	Silvery metal ring
		247	Copper-colored metal coil
		248	Silvery metal ring
		250	Silvery metal soldering tin
		253	Silvery metal shaft
		260	Silvery metal block
		269	Silvery metal soldering tin
		272	Silvery metal plate
		278	Copper-colored metal socket
		281	Copper-colored metal wire core
E#	Metal mixed	286	Silvery metal contact pin
		288	Silvery metal crystal oscillator
		295	Silvery metal contact pin
		298	Copper-colored metal coil
		305	Silvery metal pin
		308	Silvery metal screw
		309	Metal screw with black coating
		310	Metal screw with black coating
		314	Silvery metal cable core
		319	Copper-colored metal socket
		320	Silvery metal plate
		321	Silvery metal soldering tin
		322	Silvery metal plate
		323	Silvery metal block
		324	Silvery metal spring
		325	Silvery metal ring
		326	Silvery metal nut
		327	Silvery metal block
329	Silvery metal screw		
331	Silvery metal contact pin		
332	Silvery metal contact plate		
339	Copper-colored metal socket		
F#	Nonmetal mixed	1	Black plastic shell



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Tested Groups	Description	Photo No.	Component
F#	Nonmetal mixed	2	Black plastic plate
		3	Black rubber wheel
		4	Black plastic block
		5	Black plastic block
		6	White plastic lampshade
		7	Black rubber plate
		8	Plastic plate with black coating
		10	White label paper
		11	Black plastic button
		12	White plastic button
		16	Blue inner plastic
		18	Blue inner plastic
		20	Black plastic block
		23	Black plastic handle
		25	Black plastic plate
		26	Black plastic frame
		27	Black plastic button
28	Black plastic nut		
30	Yellow plastic socket		
G#	Nonmetal mixed	32	Black rubber plate
		33	Black plastic socket
		34	Blue plastic button
		35	Blue plastic plate
		39	Black plastic wheel
		40	Green resistor
		41	Black heat shrink sleeve
		42	Black relay
		43	White capacitor
		44	Green magnet
		46	Black magnet
		47	Red-brown capacitor
		48	White fuse tube
		49	Yellow plastic plug
51	Black heat shrink sleeve		
53	Black heat shrink sleeve		



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Tested Groups	Description	Photo No.	Component
G#	Nonmetal mixed	54	White glue
		55	White label paper
		56	Green PCB board
		57	White plastic jacket
H#	Nonmetal mixed	58	White plastic plug
		59	Beige plastic socket
		60	Chip audion
		61	Chip diode
		62	Black plastic jacket
		63	Yellow plastic socket
		65	IC
		66	Black magnet
		67	IC
		69	Black electrolytic capacitor scarfskin
		70	Chip capacitor
		72	Audion
		73	Chip fuse tube
		74	White plastic cable tie
		75	Inductor
		78	IC
79	IC		
80	IC		
81	Chip diode		
82	Chip capacitor		
I#	Nonmetal mixed	83	IC
		84	Chip resistor
		86	Chip diode
		87	Chip resistor
		88	Magnetic bead
		89	Black plastic pedestal
		90	Safety tube
		91	IC
		92	IC
		93	IC
		94	Chip resistor



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Tested Groups	Description	Photo No.	Component
I#	Nonmetal mixed	95	IC
		97	LED
		98	IC
		99	IC
		104	Black plastic button
		106	Black plastic pedestal
		107	LCD display
		109	Green PCB board
		110	White PCB board
		J#	Nonmetal mixed
112	White plastic plate		
113	Transparent plastic plate		
114	Black tape		
115	White plastic plate		
117	Yellow tape		
118	White glue		
119	Black plastic jacket		
120	Red plastic jacket		
121	Yellow plastic plug		
122	Black heat shrink sleeve		
124	Green PCB board		
126	Transparent plastic plate		
127	Black plastic frame		
128	Black plastic fan blade		
129	White label paper		
130	Blue plastic jacket		
132	Black plastic jacket		
133	Red plastic jacket		
134	Chip diode		
K#	Nonmetal mixed	135	Green PCB board
		137	IC
		139	Grey magnet
		144	Black plastic frame
		146	Yellow capacitor
		147	Black relay



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Tested Groups	Description	Photo No.	Component
K#	Nonmetal mixed	148	Orange capacitor
		149	Black plastic jacket
		150	Red plastic jacket
		151	Black heat shrink sleeve
		152	Black plastic plate
		154	Black electrolytic capacitor scarfskin
		156	Transparent tape
		157	Yellow paper
		160	Brown plank
		162	Black rubber stopper
		163	Gray resistor
		164	Off-white rubber sheath
		165	Yellow PCB board
		167	Black heat shrink sleeve
L#	Nonmetal mixed	168	Black plastic jacket
		169	Blue magnet
		171	Black glue
		172	Black heat shrink sleeve
		173	Black heat shrink sleeve
		174	Green resistor
		175	Black plastic jacket
		177	Black plastic plate
		178	Blue electrolytic capacitor scarfskin
		180	Black plastic plate
		181	Black plastic plate
		182	White plastic jacket
		183	White plastic jacket
		185	Black plastic jacket
		186	Red-brown capacitor
		187	Grey magnet
		189	Yellow plastic wire sleeve
190	Yellow tape		
191	White paper tube		
193	Blue plastic jacket		
M#	Nonmetal mixed	194	Red plastic jacket



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Tested Groups	Description	Photo No.	Component
M#	Nonmetal mixed	195	Black plastic jacket
		196	Black heat shrink sleeve
		197	Black plastic frame
		198	Black plastic fan blade
		199	White plastic plug
		200	Black plastic frame
		205	Grey magnet
		206	Chip resistor
		207	Green PCB board
		208	Chip capacitor
		210	Rectifier bridge
		211	Chip capacitor
		212	Chip resistor
		213	IC
		214	Black plastic frame
		221	Yellow capacitor
		222	Blue capacitor
		N#	Nonmetal mixed
225	Red plastic jacket		
226	Yellow-green plastic jacket		
227	Black plastic sheath		
228	Black plastic jacket		
229	White plastic jacket		
230	Black plastic plate		
233	Black heat shrink sleeve		
234	Black plastic frame		
235	Black plastic plate		
236	Blue plastic jacket		
237	Red plastic jacket		
238	Black plastic jacket		
239	Black plastic frame		
241	Black plastic fan blade		
243	Black plastic shell		
245	Black plastic frame		
249	Grey magnet		



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Tested Groups	Description	Photo No.	Component
N#	Nonmetal mixed	251	Chip diode
		252	Chip resistor
		254	Yellow glue
		255	IC
O#	Nonmetal mixed	256	Translucent glue
		257	Chip resistor
		258	IC
		259	Green PCB board
		261	IC
		262	Chip capacitor
		263	Audion
		264	Chip diode
		265	Chip diode
		266	Chip audion
		267	Rectifier bridge
		268	IC
		270	Green resistor
		271	Inductor
		273	Chip diode
274	Red plastic jacket		
275	Chip resistor		
276	Safety tube		
277	Audion		
279	Yellow plastic socket		
P#	Nonmetal mixed	280	Yellow tape
		282	Transparent plastic wire sleeve
		283	Yellow transparent tape
		284	Black plastic frame
		285	Grey magnet
		287	Black plastic block
		289	IC
		290	Green PCB board
		291	Chip resistor
		292	IC
293	IC		



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Tested Groups	Description	Photo No.	Component
P#	Nonmetal mixed	294	IC
		296	Translucent glue
		297	Black magnet
		299	Black plastic frame
		300	Black rubber foot pad
		301	Black label paper
		302	Black heat shrink sleeve
		303	Green capacitor
		304	White component
Q#	Nonmetal mixed	306	Safety tube
		307	Black heat shrink sleeve
		311	Black plastic wire sleeve
		312	White plastic jacket
		313	Black velcro
		315	Black plastic cable clip
		316	Black plastic scarfskin
		317	Translucent glue
		318	Yellow plastic plug
		328	Safety tube
		330	Black plastic shell
		333	Black plastic scarfskin
		334	Black plastic wire sleeve
		335	Black plastic scarfskin
		336	Green plastic jacket
		337	Black plastic jacket
		338	White plastic jacket
		340	White inner plastic
		341	Chip audion
		342	Chip resistor
343	LED		
344	White PCB board		
R#	Metal mixed	346	Silvery metal plate
		348	Silvery metal soldering tin
		356	Copper-colored metal coil
		358	Copper-colored metal foil plate



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Tested Groups	Description	Photo No.	Component
R#	Metal mixed	359	Silvery metal cable core
		362	Silvery metal shell
		363	Grey metal foil plate
		364	Silvery metal foil plate
		367	Silvery metal pin
		373	Silvery metal pin
		377	Copper-colored metal cable core
		379	Copper-colored metal coil
		382	Silvery metal soldering tin
		383	Copper-colored metal plate
		384	Silvery metal plate
		386	Silvery metal screw
		388	Silvery metal plate
		390	Metal spring with black coating
		391	Silvery metal plate
		392	Silvery metal contact pin
		394	Silvery metal plate
		396	Copper-colored metal socket
		403	Copper-colored metal cable core
		404	Copper-colored metal socket
408	Copper-colored metal contact pin		
411	Silvery metal mesh		
412	Silvery metal soldering tin		
413	Copper metal cable core		
S#	Nonmetal mixed	345	Transparent plastic jacket
		347	Blue plastic plate
		349	Yellow transparent tape
		350	Black glue
		351	Yellow tape
		352	Black magnet
		353	Black plastic wire sleeve
		354	Transparent plastic wire sleeve
		355	Yellow plastic jacket
		357	White paper
		360	Black electrolytic capacitor scarfskin



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Tested Groups	Description	Photo No.	Component
S#	Nonmetal mixed	361	Black plastic plate
		365	Yellow paper
		366	Transparent tape
		368	Black plastic plate
		369	Brown plastic plate
		370	IC
		371	Red capacitor
		372	Gray capacitor
		374	Insurance tube
		375	Yellow transparent tape
		376	White label
T#	Nonmetal mixed	378	Blue magnet
		380	Black heat shrink sleeve
		381	Black plastic wire sleeve
		385	Black plastic shell
		387	Black plastic key
		389	Black plastic pedestal
		393	Black plastic scarfskin
		395	Black inner plastic
		397	White inner plastic
		398	Black plastic scarfskin
		399	Black plastic wire sleeve
		400	Brown plastic jacket
		401	Blue plastic jacket
		402	Yellow-green plastic jacket
		405	Yellow plastic shell
		406	Black plastic scarfskin
		407	Black plastic wire sleeve
		409	Black plastic scarfskin
		410	White plastic jacket
		414	Red-black plastic jacket
415	Red plastic jacket		
416	Translucent glue		



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Test Result(s): (Substances in the Candidate List of SVHC)

Tested Groups	Code	Test Item	Report Results (%)
A#	185	Lead	2.6340
	-	Other tested SVHC in Candidate List	N.D.
B#	185	Lead	0.7404
	-	Other tested SVHC in Candidate List	N.D.
C#	-	All tested SVHC in Candidate List	N.D.
D#	185	Lead	0.1942
	-	Other tested SVHC in Candidate List	N.D.
E#	185	Lead	0.4666
	-	Other tested SVHC in Candidate List	N.D.
F#	-	All tested SVHC in Candidate List	N.D.
G#	-	All tested SVHC in Candidate List	N.D.
H#	-	All tested SVHC in Candidate List	N.D.
I#	-	All tested SVHC in Candidate List	N.D.
J#	-	All tested SVHC in Candidate List	N.D.
K#	-	All tested SVHC in Candidate List	N.D.
L#	-	All tested SVHC in Candidate List	N.D.
M#	-	All tested SVHC in Candidate List	N.D.
N#	-	All tested SVHC in Candidate List	N.D.
O#	-	All tested SVHC in Candidate List	N.D.
P#	184	Dodecamethylcyclohexasiloxane (D6)	0.0158
	-	Other tested SVHC in Candidate List	N.D.
Q#	-	All tested SVHC in Candidate List	N.D.
R#	185	Lead	1.1040
	-	Other tested SVHC in Candidate List	N.D.
S#	-	All tested SVHC in Candidate List	N.D.
T#	-	All tested SVHC in Candidate List	N.D.



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Attachment (Full list of tested SVHC):

The first: Fifteen Substances of Very High Concern (Released in Oct, 2008)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
1	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	0.005
2	Diarsenic pentaoxide**	1303-28-2	215-116-9	0.01
3	Diarsenic trioxide**	1327-53-3	215-481-4	0.01
4	Triethyl arsenate**	15606-95-8	427-700-2	0.01
5	Lead hydrogen arsenate**	7784-40-9	232-064-2	0.01
6	Cobalt dichloride**	7646-79-9	231-589-4	0.01
7	Sodium dichromate **	7789-12-0, 10588-01-9	234-190-3	0.01
8	Anthracene	120-12-7	204-371-1	0.005
9	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	0.005
10	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.005
11	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.005
12	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.005
13	Di-2-ethylhexyl phthalate(DEHP)	117-81-7	204-211-0	0.005
14	Hexabromocyclododecane(HBCDD) a nd all major diastereoisomers identified	25637-99-4, 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	247-148-4, 221-695-9	0.005
15	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	0.01



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The second: Thirteen Substances of Very High Concern (Released in Jan, 2010 and Mar, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
16	Anthracene oil	90640-80-5	292-602-7	0.05
17	Anthracene oil, anthracene paste, distn. lights	91995-17-4	295-278-5	0.05
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.05
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05
21	Pitch, coal tar, high temp.	65996-93-2	266-028-2	0.05
22	Acrylamide	79-06-1	201-173-7	0.01
23	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01
24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.005
25	Lead chromate**	7758-97-6	231-846-0	0.05
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) **	12656-85-8	235-759-9	0.05
27	Lead sulphochromate yellow (C.I. Pigment Yellow 34) **	1344-37-2	215-693-7	0.05
28	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	0.01

The third: Eight Substances of Very High Concern (Released in Jun, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
29	Trichloroethylene	79-01-6	201-167-4	0.005
30	Boric acid**	10043-35-3/ 11113-50-1	233-139-2/ 234-343-4	0.01
31	Disodium tetraborate, anhydrous**	1330-43-4/ 12179-04-3/ 1303-96-4	215-540-4	0.01
32	Tetraboron disodium heptaoxide, hydrate**	12267-73-1	235-541-3	0.01



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
33	Sodium chromate**	7775-11-3	231-889-5	0.01
34	Potassium chromate**	7789-00-6	232-140-5	0.01
35	Ammonium dichromate**	7789-09-5	232-143-1	0.01
36	Potassium dichromate**	7778-50-9	231-906-6	0.01

The fourth: Eight Substances of Very High Concern (Released in Dec, 2010)

Code	Test Item	CAS No.	EC No.	Report Limit (%)	
37	Cobalt(II) sulphate**	10124-43-3	233-334-2	0.01	
38	Cobalt(II) dinitrate**	10141-05-6	233-402-1	0.01	
39	Cobalt(II) carbonate**	513-79-1	208-169-4	0.01	
40	Cobalt(II) diacetate**	71-48-7	200-755-8	0.01	
41	2-Methoxyethanol	109-86-4	203-713-7	0.005	
42	2-Ethoxyethanol	110-80-5	203-804-1	0.005	
43	Chromium trioxide**	1333-82-0	215-607-8	0.01	
44	Acids generated from chromium trioxide and their oligomers	Chromic acid**	7738-94-5	231-801-5	0.01
		Dichromic acid**	13530-68-2	236-881-5	0.01
		Oligomers of chromic acid and dichromic acid**	--	--	0.01



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The fifth: Seven Substances of Very High Concern (Released in Jun, 2011)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
45	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.01
46	Strontium chromate**	7789-06-2	232-142-6	0.01
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)*	68515-42-4	271-084-6	0.01
48	Hydrazine	7803-57-8/ 302-01-2	206-114-9	0.01
49	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.01
50	1,2,3-Trichloropropane	96-18-4	202-486-1	0.01
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich(DIHP)	71888-89-6	276-158-1	0.01

The sixth: Twenty Substances of Very High Concern (Released in Dec, 2011)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
52	Dichromium tris(chromate)**	24613-89-6	246-356-2	0.01
53	Potassium hydroxyoctaoxodizincatedichromate**	11103-86-9	234-329-8	0.01
54	Pentazinc chromate octahydroxide**	49663-84-5	256-418-0	0.01
55	Aluminosilicate Refractory Ceramic Fibres (RCF)**	--	--	0.05
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	--	--	0.05
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.01
58	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	204-212-6	0.005
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.005



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
60	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	140-66-9	205-426-2	0.005
61	1,2-Dichloroethane	107-06-2	203-458-1	0.005
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.005
63	Arsenic acid**	7778-39-4	231-901-9	0.01
64	Calcium arsenate**	7778-44-1	231-904-5	0.01
65	Trilead diarsenate**	3687-31-8	222-979-5	0.01
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005
68	Phenolphthalein	77-09-8	201-004-7	0.005
69	Lead diazide Lead azide **	13424-46-9	236-542-1	0.01
70	Lead styphnate**	15245-44-0	239-290-0	0.01
71	Lead dipicrate**	6477-64-1	229-335-2	0.01

The seventh: Thirteen Substances of Very High Concern (Released in Jun, 2012)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
72	1,2-bis(2-methoxyethoxy)ethane(TEG DME; triglyme)	112-49-2	203-977-3	0.01
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01
74	Diboron trioxide**	1303-86-2	215-125-8	0.01
75	Formamide	75-12-7	200-842-0	0.01
76	Lead(II) bis(methanesulfonate) **	17570-76-2	401-750-5	0.01
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazin e- 2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.01



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
78	β -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	0.01
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.01
80	N,N,N',N'-tetramethyl-4,4'-methylenedi aniline (Michler's base)	101-61-1	202-959-2	0.01
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	0.01
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.01
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.01
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01



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The eighth: Fifty-four Substances of Very High Concern (Released in Dec, 2012)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.05
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.05
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.05
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.05
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.05
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	--	--	0.05
91	4-Nonylphenol, branched and linear - substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	--	--	0.05
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.05
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
94	Hexahydromethylphthalic anhy, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.05
95	Methoxy acetic acid	625-45-6	210-894-6	0.05
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	0.05
98	n-pentyl-isopentylphthalate	776297-69-9	--	0.05
99	1,2-Diethoxyethane	629-14-1	211-076-1	0.05
100	N,N-dimethylformamide	68-12-2	200-679-5	0.05
101	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	0.05
102	Acetic acid, lead salt, basic**	51404-69-4	257-175-3	0.01
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide) **	1319-46-6	215-290-6	0.01
104	Lead oxide sulfate (basic lead sulfate) **	12036-76-9	234-853-7	0.01
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) **	69011-06-9	273-688-5	0.01
106	Dioxobis(stearato)trilead**	12578-12-0	235-702-8	0.01
107	Fatty acids, C16-18, lead salts**	91031-62-8	292-966-7	0.01
108	Lead bis(tetrafluoroborate) **	13814-96-5	237-486-0	0.01
109	Lead cyanamidate**	20837-86-9	244-073-9	0.01
110	Lead dinitrate**	10099-74-8	233-245-9	0.01
111	Lead oxide (lead monoxide) **	1317-36-8	215-267-0	0.01
112	Lead tetroxide (orange lead) **	1314-41-6	215-235-6	0.01



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
113	Lead titanium trioxide**	12060-00-3	235-038-9	0.01
114	Lead Titanium Zirconium Oxide**	12626-81-2	235-727-4	0.01
115	Pentalead tetraoxide sulphate**	12065-90-6	235-067-7	0.01
116	Pyrochlore, antimony lead yellow**	8012 -00-8	232-382-1	0.01
117	Silicic acid, barium salt, lead-doped**	68784-75-8	272-271-5	0.01
118	Silicic acid, lead salt**	11120-22-2	234-363-3	0.01
119	Sulfurous acid, lead salt, dibasic**	62229-08-7	263-467-1	0.01
120	Tetraethyllead**	78-00-2	201-075-4	0.01
121	Tetralead trioxide sulphate**	12202-17-4	235-380-9	0.01
122	Trilead dioxide phosphonate**	12141-20-7	235-252-2	0.01
123	Furan	110-00-9	203-727-3	0.05
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.05
125	Diethyl sulphate	64-67-5	200-589-6	0.05
126	Dimethyl sulphate	77-78-1	201-058-1	0.05
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.05
128	Dinoseb	88-85-7	201-861-7	0.05
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.05
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.05
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.05
134	Biphenyl-4-ylamine	92-67-1	202-177-1	0.05
135	o-aminoazotoluene	97-56-3	202-591-2	0.05
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.05



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
137	N-methylacetamide	79-16-3	201-182-6	0.05
138	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.05

The ninth: Six Substances of Very High Concern (Released in Jun, 2013)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
139	Cadmium **	7440-43-9	231-152-8	0.01
140	Cadmium oxide **	1306-19-0	215-146-2	0.01
141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.01
142	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues]	/	/	0.05
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.01
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.01

The tenth: Seven Substances of Very High Concern (Released in Dec, 2013)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
145	Cadmium sulphide**	1306-23-6	215-147-8	0.01
146	Diethyl phthalate	84-75-3	201-559-5	0.01
147	C.I. Direct Red 28	573-58-0	209-358-4	0.01
148	C.I. Direct Black 38	1937-37-7	217-710-3	0.01



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
149	2-imidazoline-2-thiol	96-45-7	202-506-9	0.01
150	Lead di(acetate)**	301-04-2	206-104-4	0.01
151	Trixylyl phosphate	25155-23-1	246-677-8	0.01

The eleventh: Four Substances of Very High Concern (Released in Jun, 2014)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.01
153	Cadmium chloride**	10108-64-2	233-296-7	0.01
154	Sodium perborate; perboric acid, sodium salt**	-	239-172-9; 234-390-0	0.01
155	Sodium peroxometaborate**	7632-04-4	231-556-4	0.01

The twelfth: Six Substances of Very High Concern (Released in Dec, 2014)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
156	Cadmium fluoride**	7790-79-6	232-222-0	0.01
157	Cadmium sulphate**	10124-36-4, 31119-53-6	233-331-6	0.01
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.05
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-284-8	0.05
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	0.01



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	--	0.05

The thirteenth: Two Substances of Very High Concern (Released in Jun, 2015)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters	68515-51-5, 68648-93-1	271-094-0 272-013-1	0.05
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	--	--	0.05

The fourteen: Five Substances of Very High Concern (Released in Dec, 2015)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
164	Nitrobenzene	98-95-3	202-716-0	0.05
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.05
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.05
167	1,3-propanesultone	1120-71-4	214-317-9	0.05



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.05

The fifteen: One Substance of Very High Concern (Released in Jun, 2016)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.05

The sixteen: Four Substance of Very High Concern (Released in Jan, 2017)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.005
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	206-400-3 - 221-470-5	0.005
172	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.005
173	4-heptylphenol, branched and linear (4-HPbl)	-	-	0.005



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The seventeen: One Substance of Very High Concern (Released in Jul, 2017)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.005

The eighteen: Seven Substances of Very High Concern (Released in Jan, 2018)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	0.005
176	Benz[a]anthracene	56-55-3, 1718-53-2	200-280-6	0.005
177	Cadmium nitrate**	10022-68-1, 10325-94-7	233-710-6	0.01
178	Cadmium carbonate**	513-78-0	208-168-9	0.01
179	Cadmium hydroxide**	21041-95-2	244-168-5	0.01
180	Chrysene	218-01-9, 1719-03-5	205-923-4	0.005
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	-	0.005



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The nineteen: Ten Substances of Very High Concern (Released in Jun, 2018)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
182	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01
183	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01
184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01
185	Lead**	7439-92-1	231-100-4	0.01
186	Disodium octaborate**	12008-41-2	234-541-0	0.01
187	Benzo[ghi]perylene	191-24-2	205-883-8	0.01
188	Terphenyl hydrogenated	61788-32-7	262-967-7	0.01
189	Ethylenediamine (EDA)	107-15-3	203-468-6	0.01
190	Trimellitic anhydride (TMA)	552-30-7	209-008-0	0.01
191	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.01

The twenty: Six Substances of Very High Concern (Released in Jan, 2019)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
192	Pyrene	129-00-0	204-927-3	0.01
193	Phenanthrene	85-01-8	201-581-5	0.01
194	Fluoranthene	206-44-0	205-912-4	0.01
195	Benzo[k]fluoranthene	207-08-9	205-916-6	0.01
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane (Bisphenol P)	6807-17-6	401-720-1	0.01
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor; 3-BC)	15087-24-8	239-139-9	0.01



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The twenty one: Four Substances of Very High Concern (Released in July, 2019)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01
199	4-tert-butylphenol	98-54-4	202-679-0	0.01
200	2-methoxyethyl acetate	110-49-6	203-772-9	0.01
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	0.01

The twenty two: Four Substances of Very High Concern (Released in Jan, 2020)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.01
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.01
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01



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The twenty three: Four Substances of Very High Concern (Released in June 2020)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
206	1-vinylimidazole	1072-63-5	214-012-0	0.01
207	2-methylimidazole	693-98-1	211-765-7	0.01
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.01
209	Dibutylbis(pentane-2,4-dionato-O,O') tin	22673-19-4	245-152-0	0.01

The twenty four: Two Substances of Very High Concern (Released in Jan. 2021)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-	0.01

The twenty five: Eight Substances of Very High Concern. (Released in July. 2021)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
212	1,4-dioxane	123-91-1	204-661-8	0.01
213	2,2-bis(bromomethyl) propane 1,3-diol (BMP)	3296-90-0	221-967-7	0.01
	2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)	36483-57-5/ 1522-92-5	253-057-0	0.01
	2,3-dibromo-1-propanol (2,3-DBPA)	96-13-9	202-480-9	0.01



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	-	0.01
215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	0.01
216	Glutaral	111-30-8	203-856-5	0.01
217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	-	0.01
218	Orthoboric acid, sodium salt**	13840-56-7	237-560-2	0.01
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual (PDDP)	-	-	0.01

The twenty six: Four Substances of Very High Concern (Released in Jan. 2022)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
220	(±)-1,1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	0.01
221	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol (DBMC)	119-47-1	204-327-1	0.01
222	S-(tricyclo[5.2.1.0 ^{2,6}]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	0.01



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Code	Test Item	CAS No.	EC No.	Report Limit (%)
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.01

The twenty seven: One Substances of Very High Concern (Released in June, 2022)

Code	Test Item	CAS No.	EC No.	Report Limit (%)
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01

Note:

1. mg/kg =ppm= 10^{-6}
2. %=w/w
3. N.D. :< Report Limit
4. * The detected DHNUP are consisted of six phthalates which CAS number are 85507-79-5, 68515-44-6, 68515-45-7, 111381-89-6, 111381-90-9 and 111381-91-0. according to the Annex 15 of REACH.
5. ** According to the 5.2.1 item of the second version of ECHA "Guidance on requirements for substances in articles", 2011, the selected test methods only show the existence of certain elements rather than the existence of substances, using additional measurements to screen for the existence and identification of substances in a sample when necessary.
6. Report Results: based on measurements in most cases will identify the chemical constituents in the sample but not necessarily "the substance" which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the second version of ECHA "Guidance on requirements for substances in articles", 2011.
7. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA "Guidance on requirements for substances in articles".
8. #=The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.



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Appendix:

1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.

2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.

2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 31 and Annex II of REACH.

3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.

1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.

2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.



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Photograph of Sample



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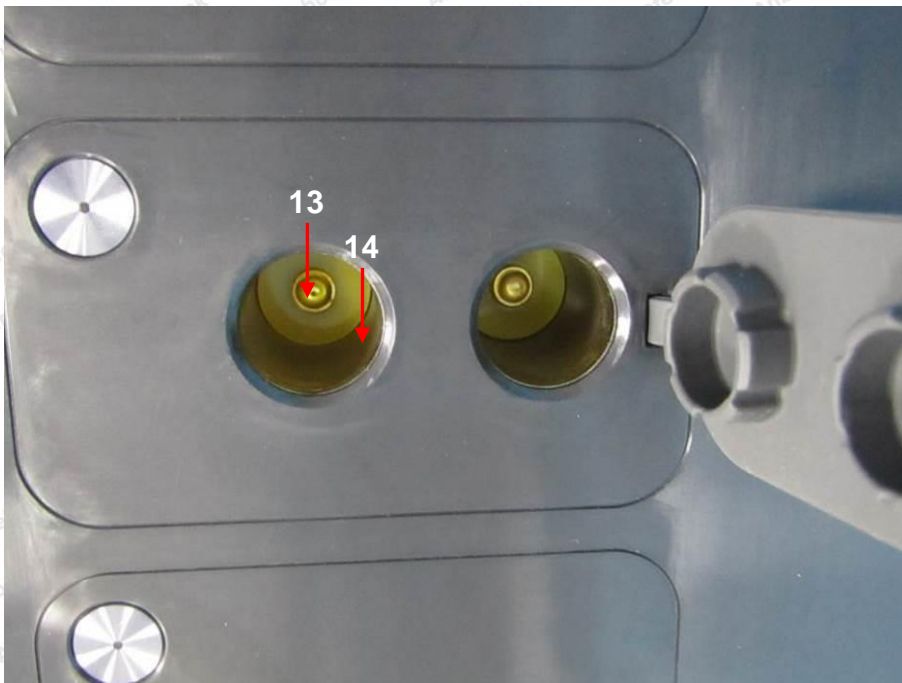
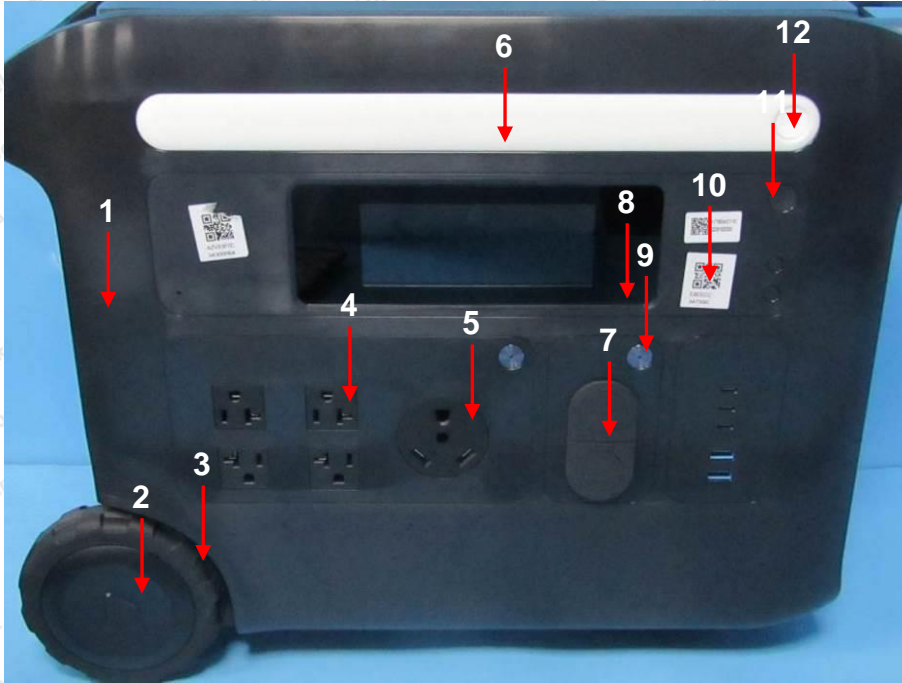


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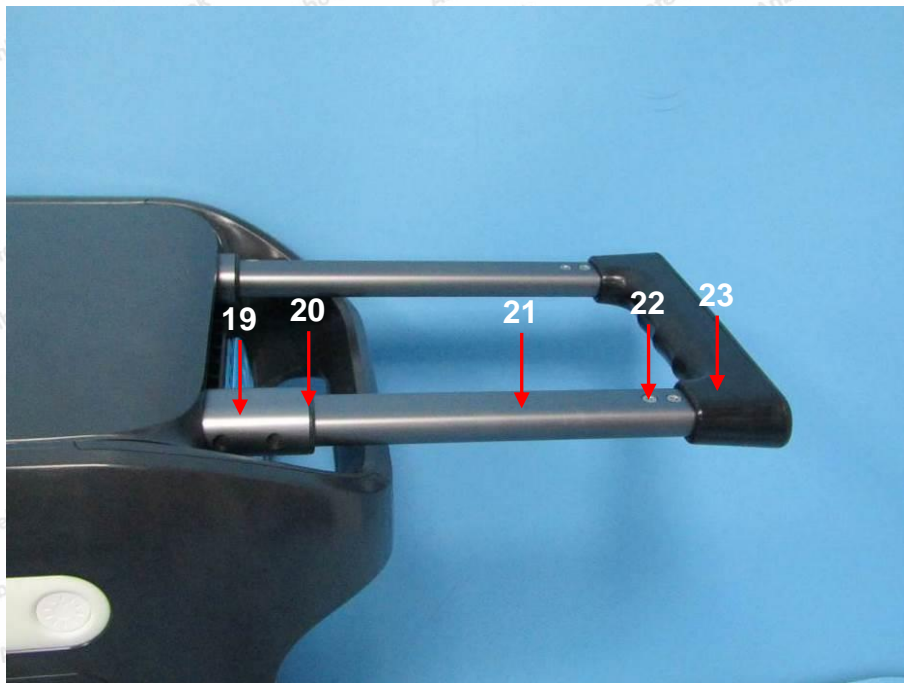
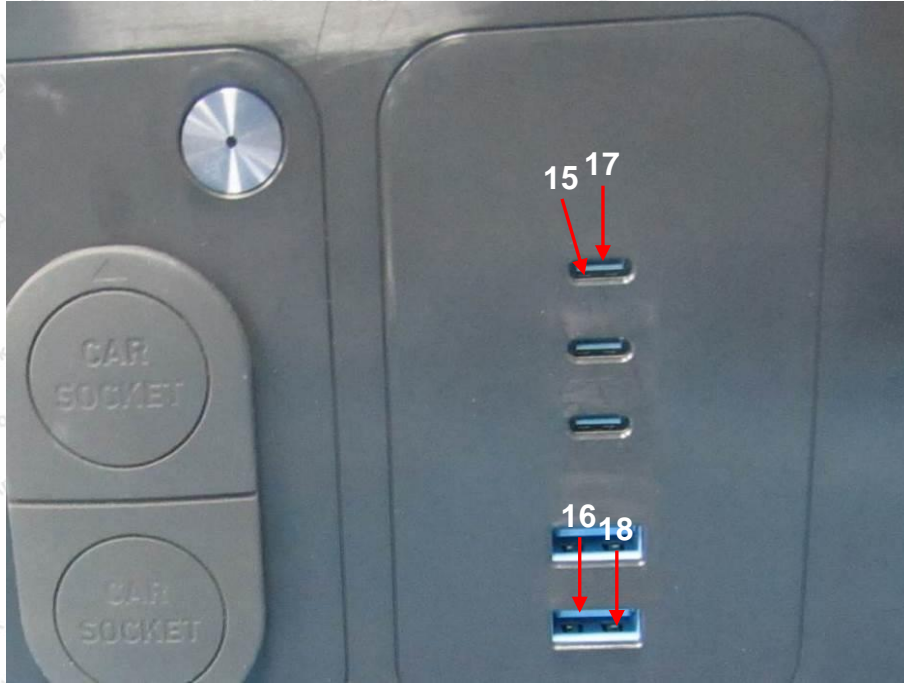


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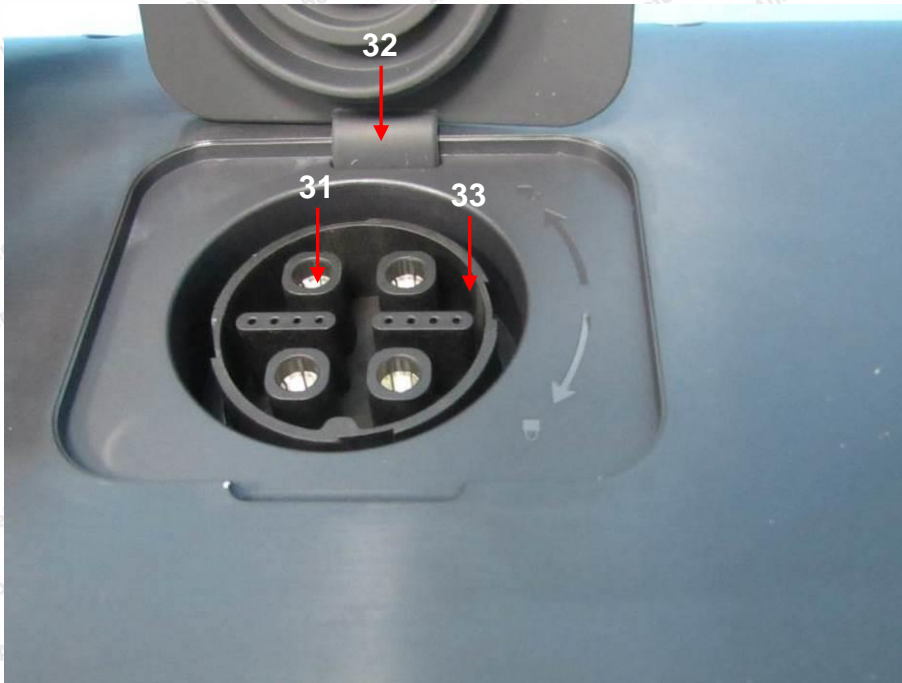
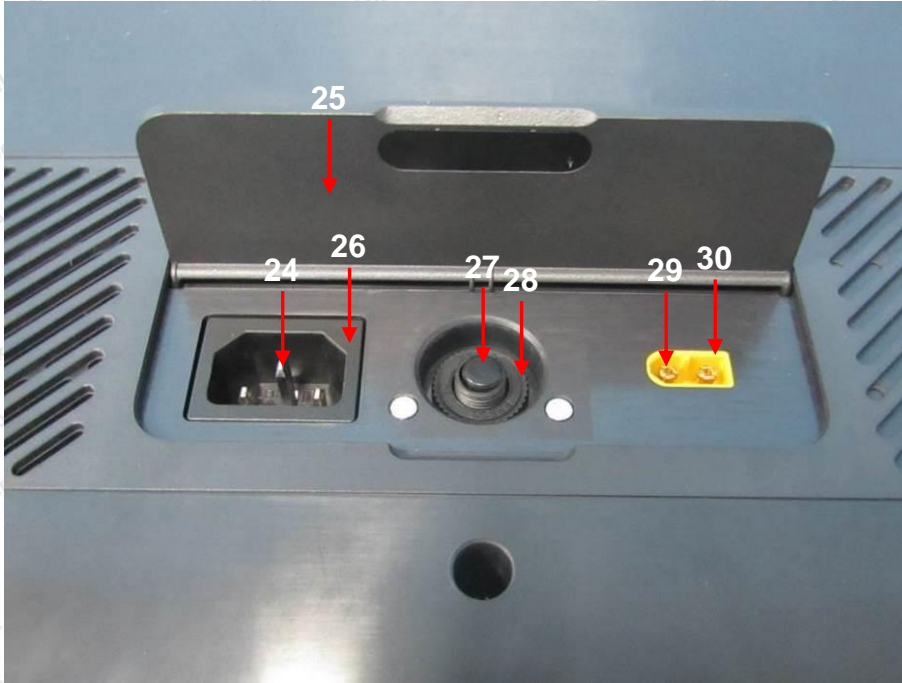


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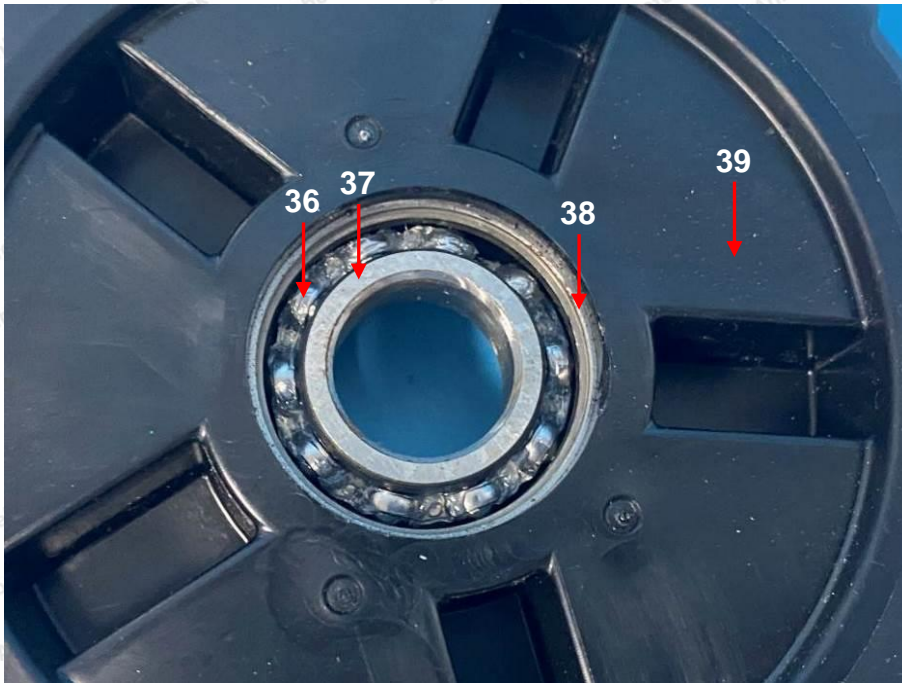


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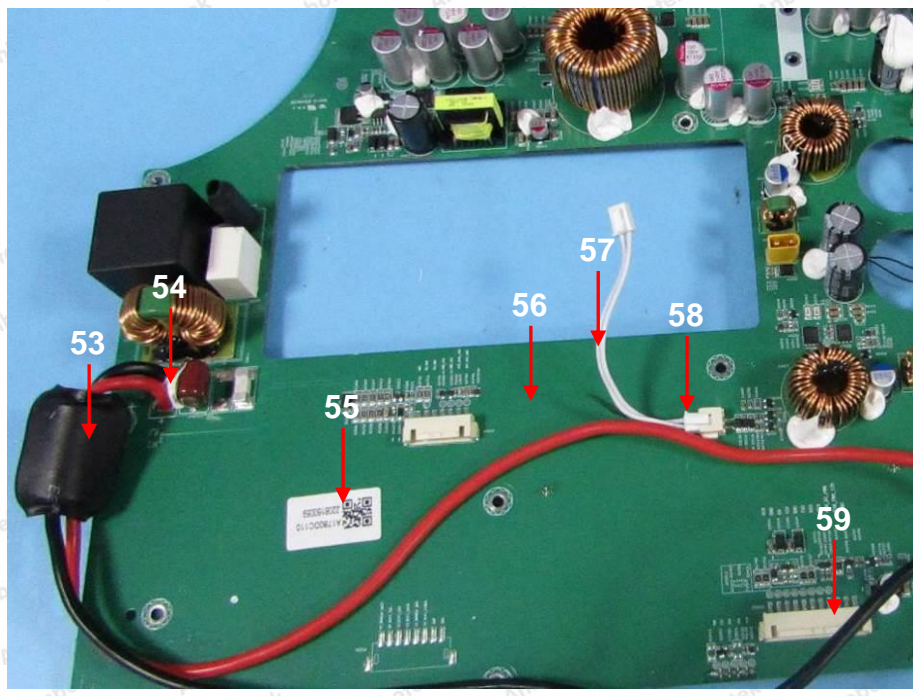
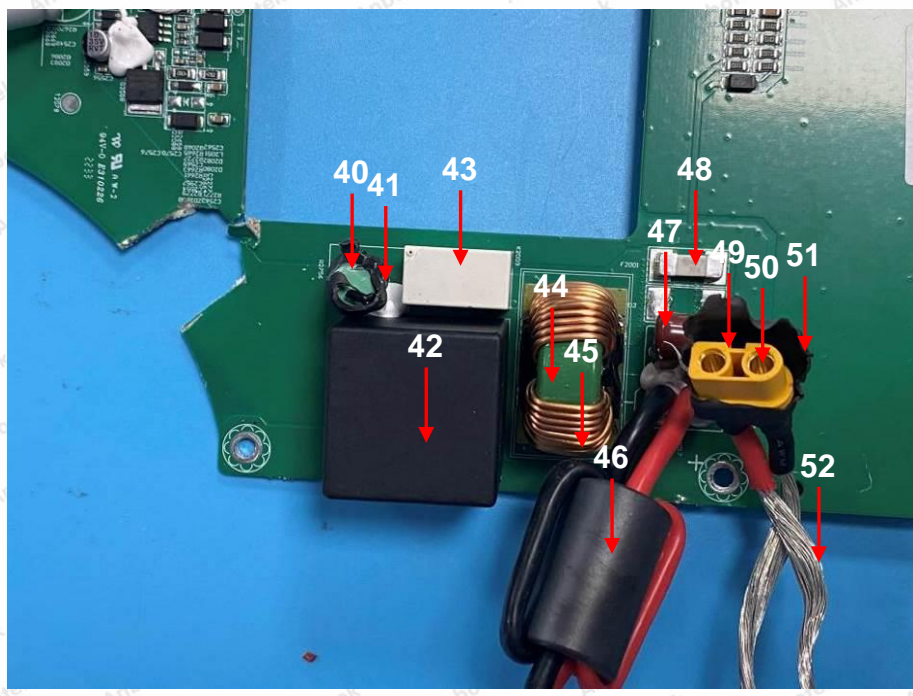


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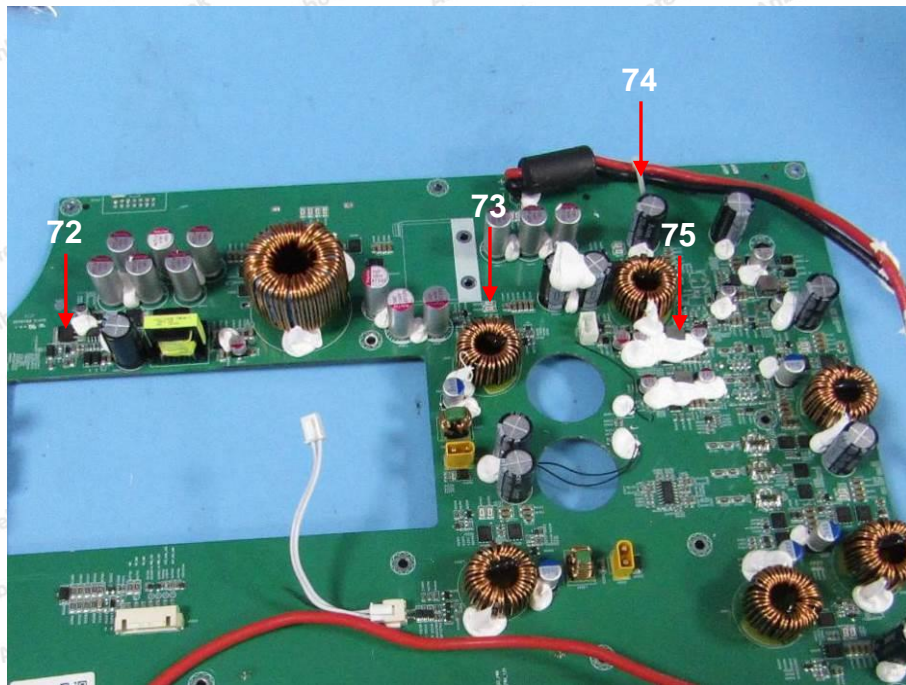
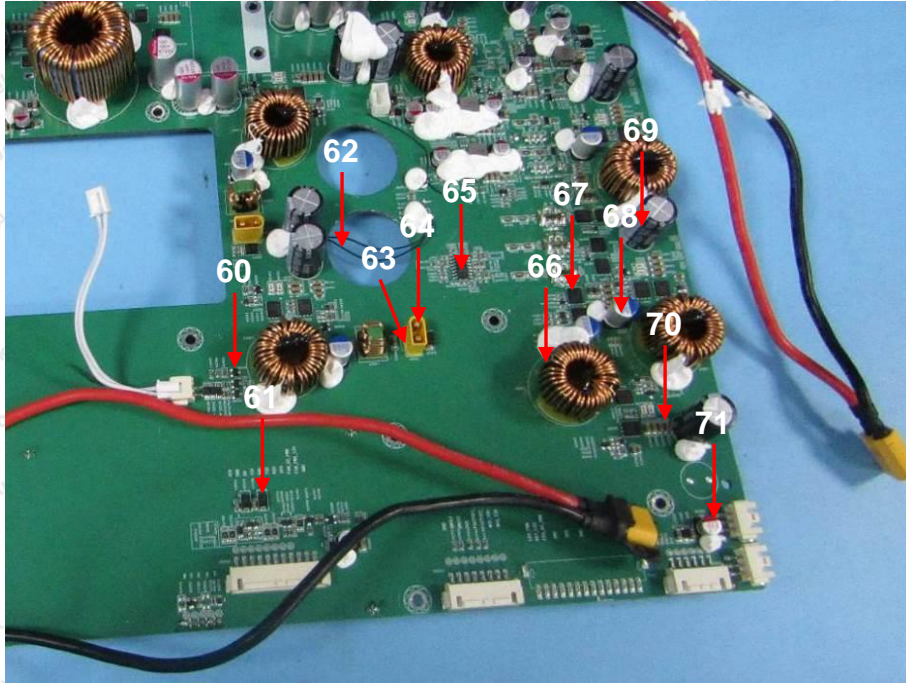


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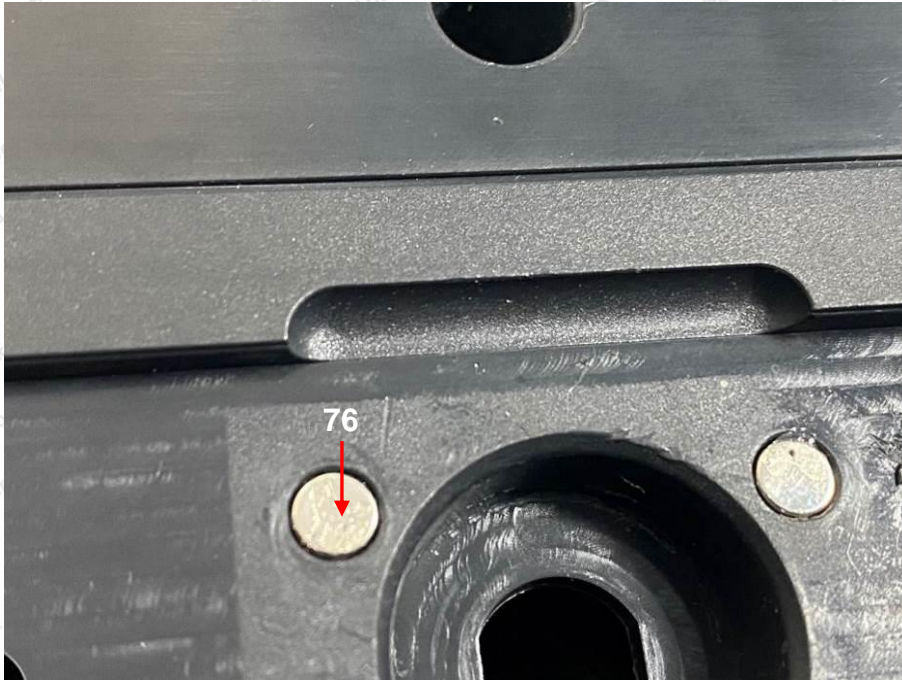


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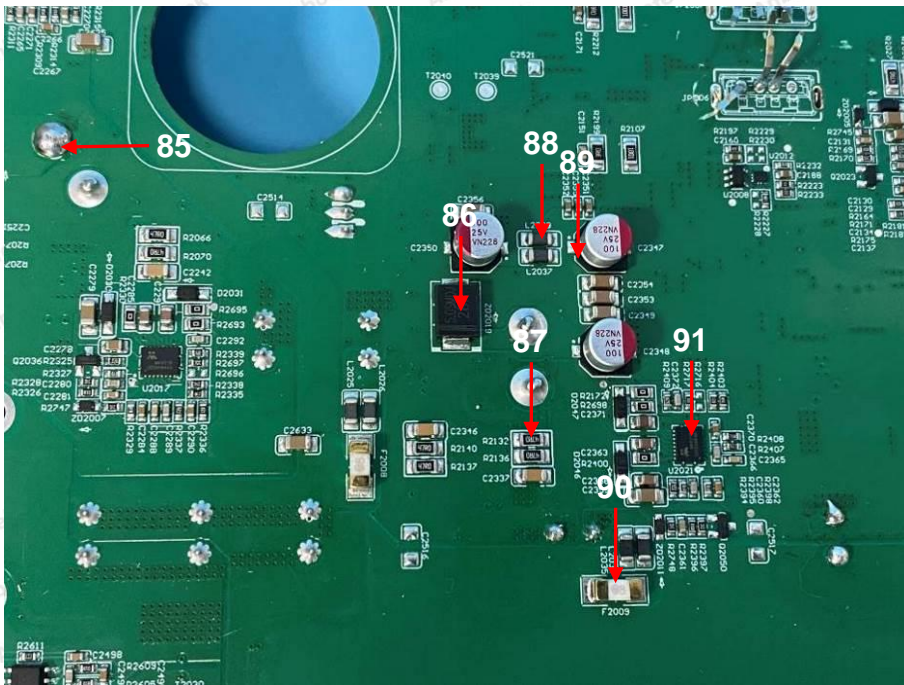
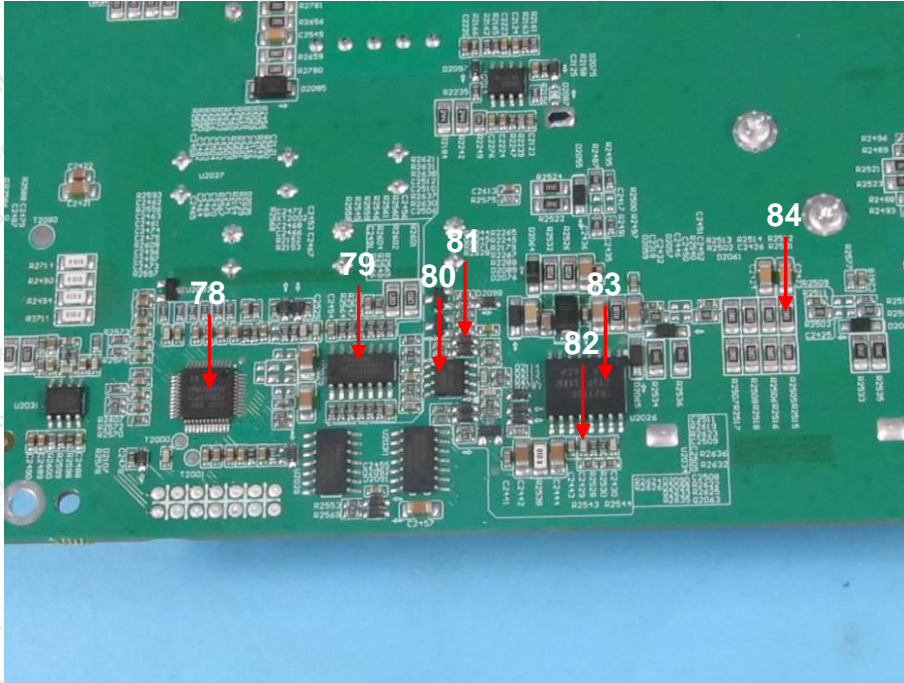


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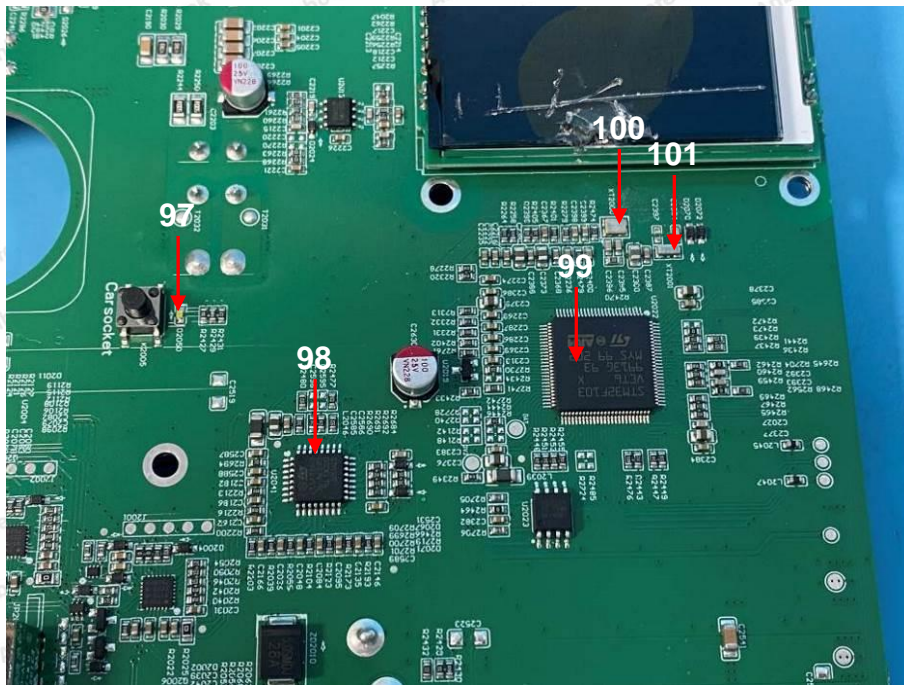
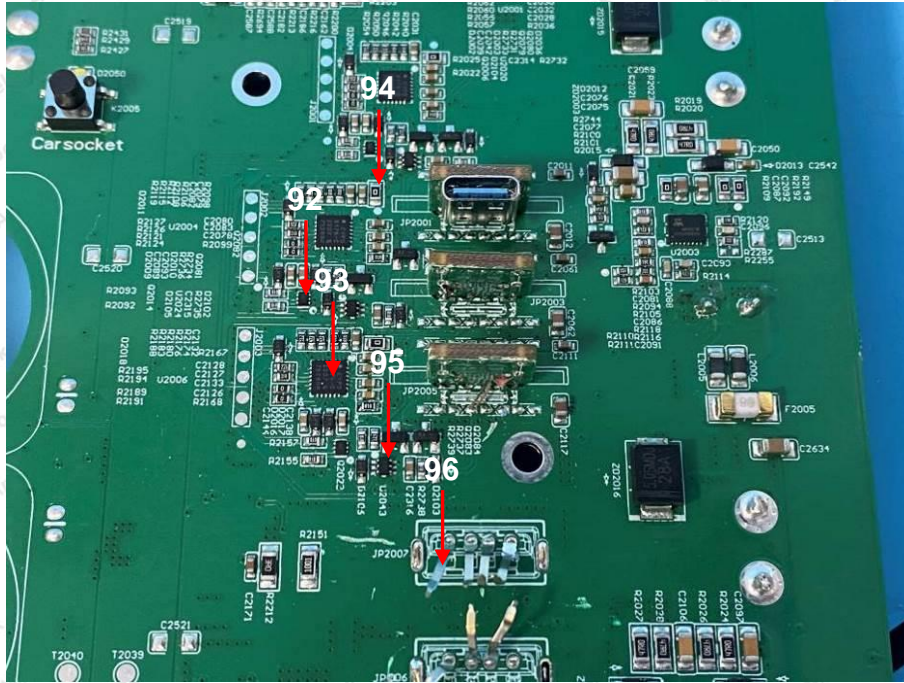


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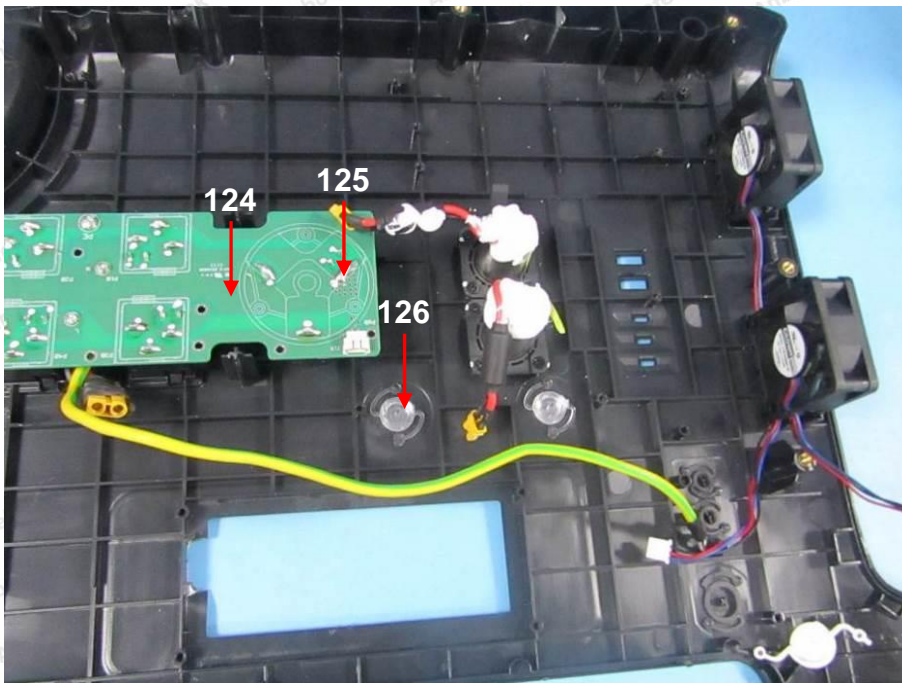
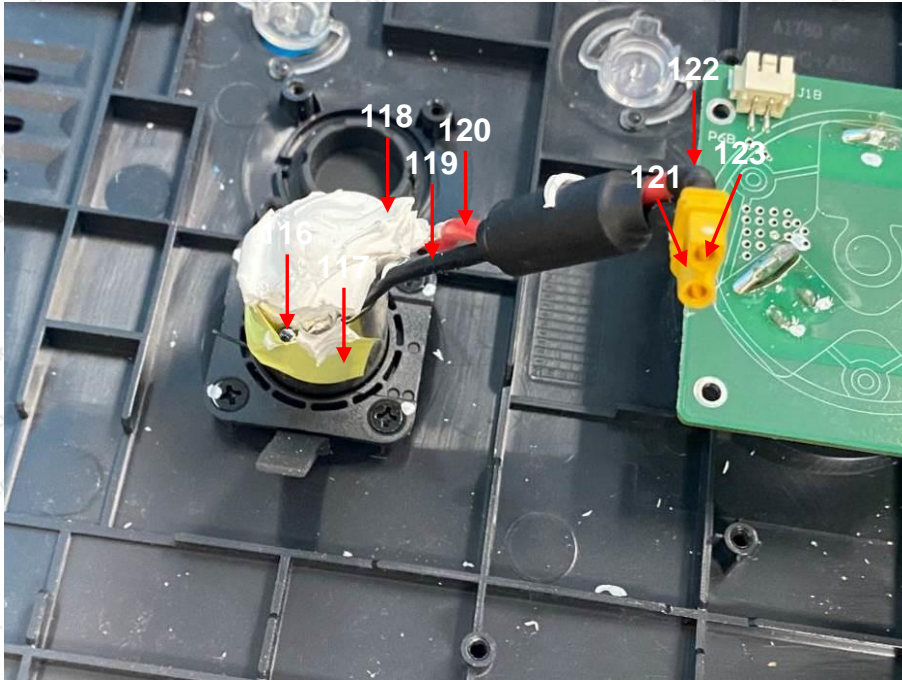


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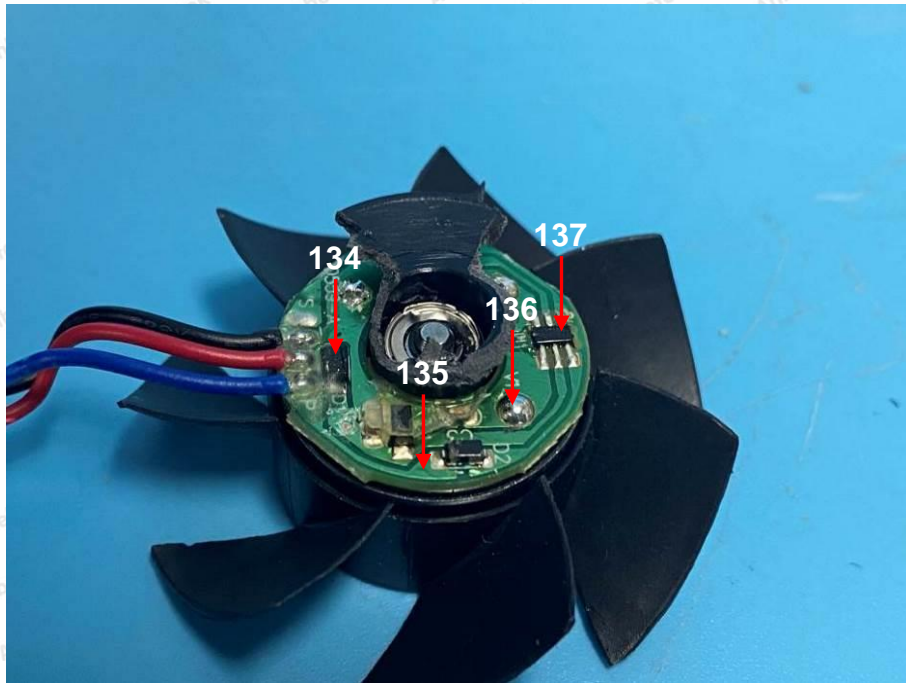
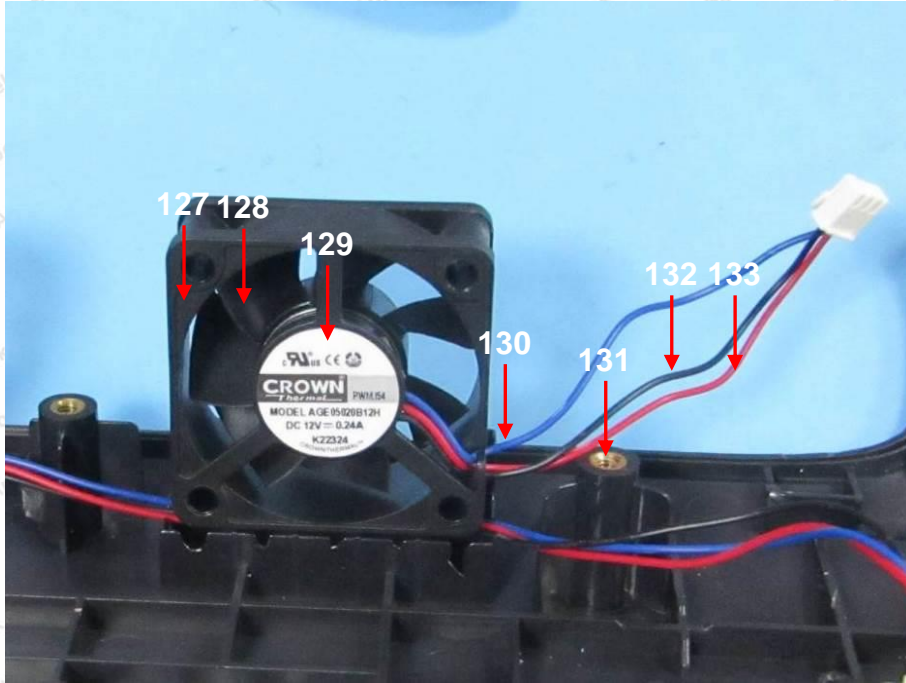


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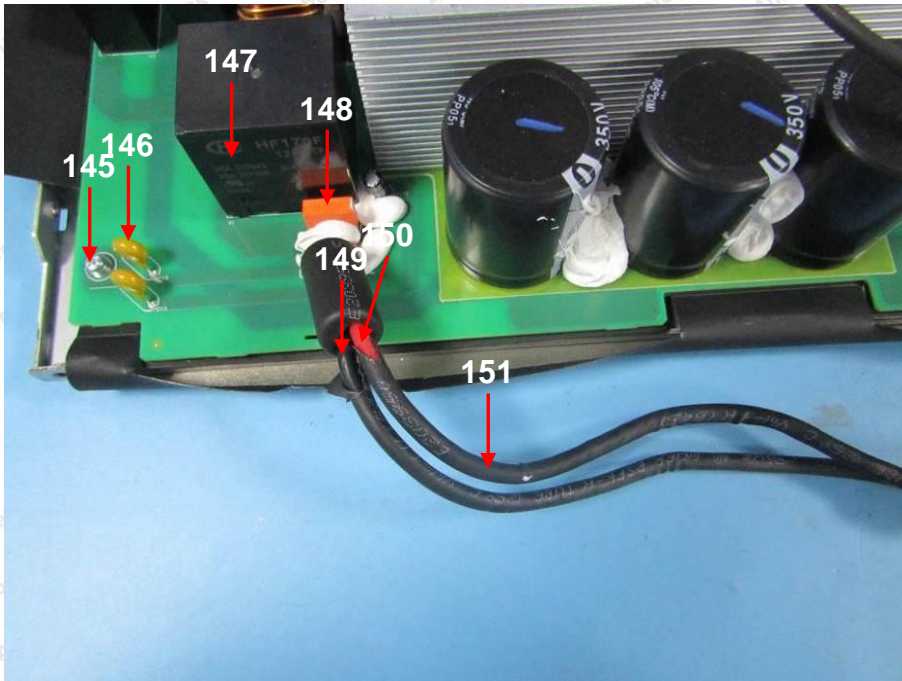
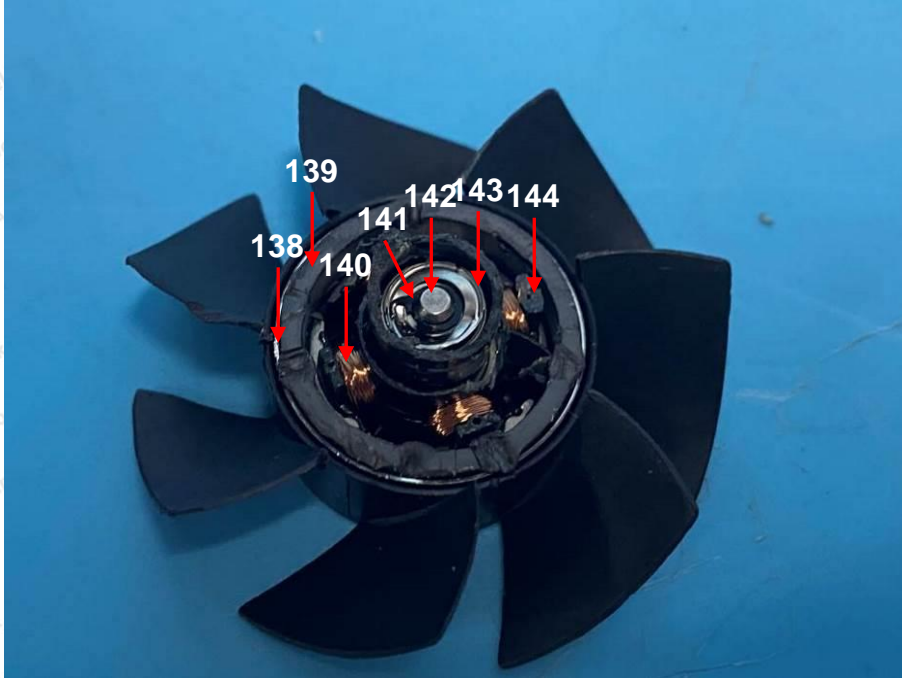


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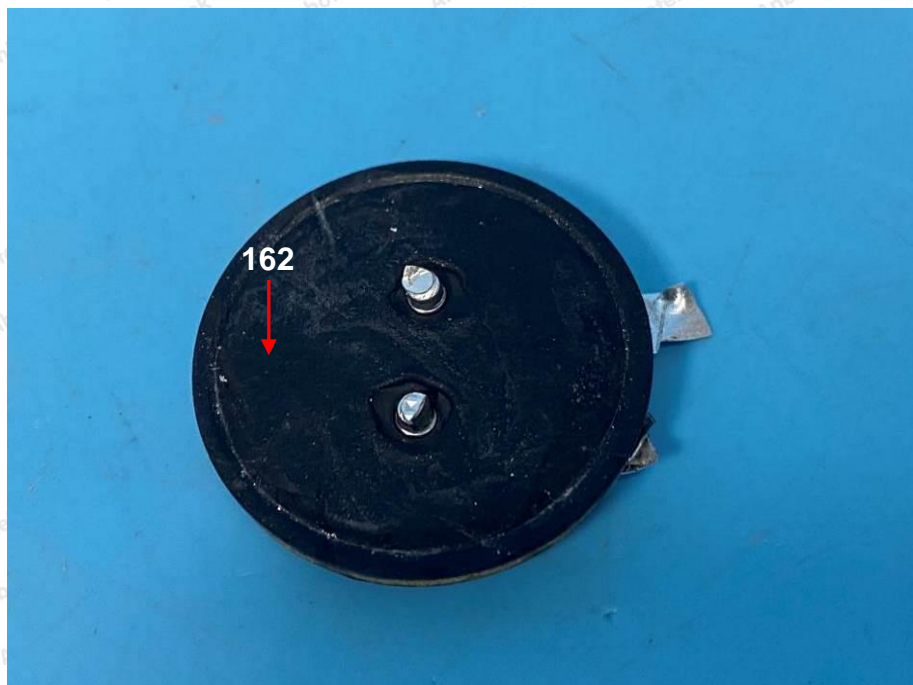
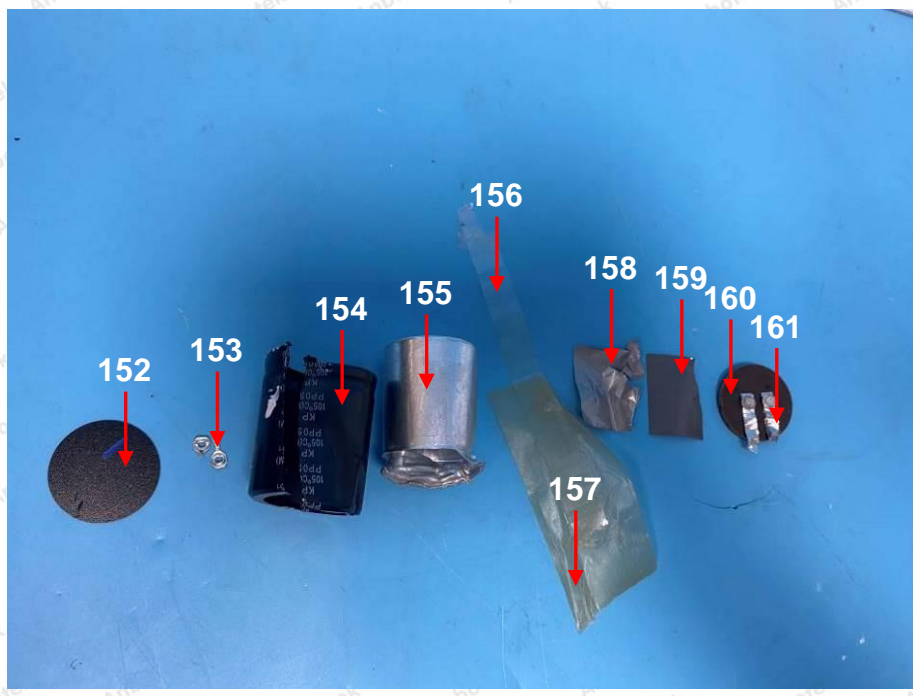


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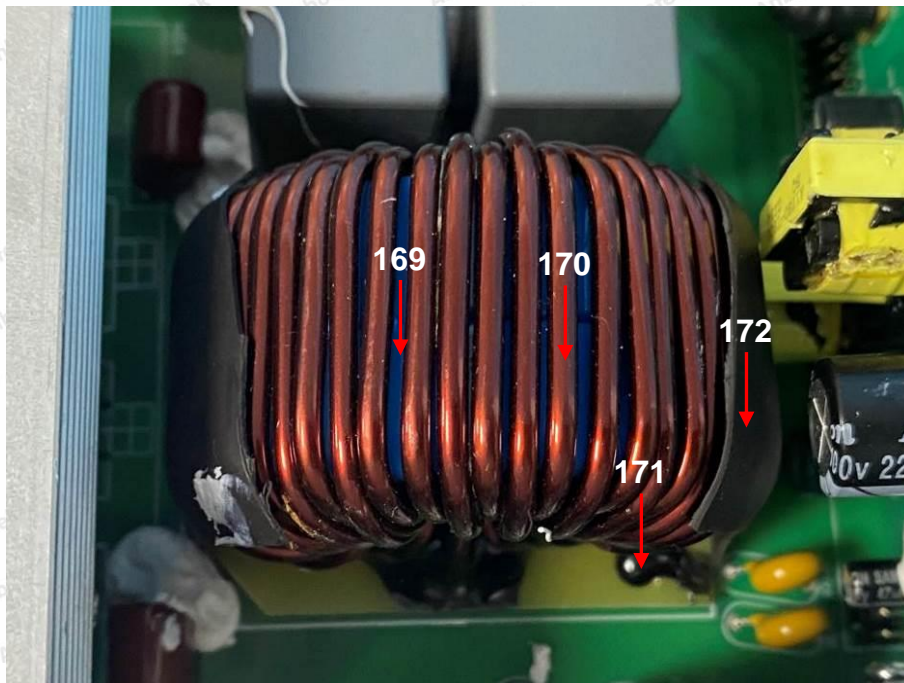
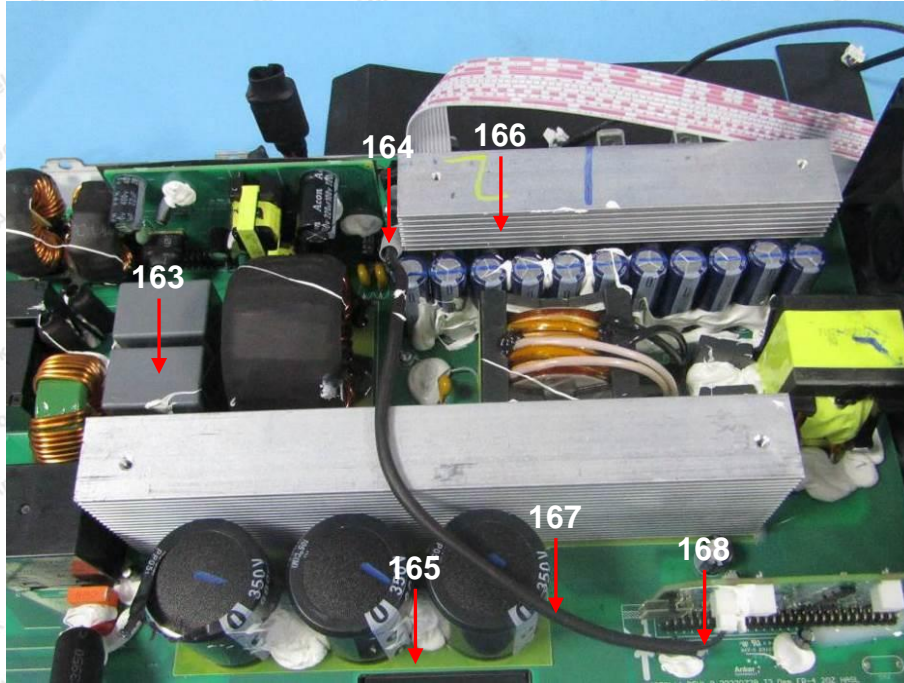


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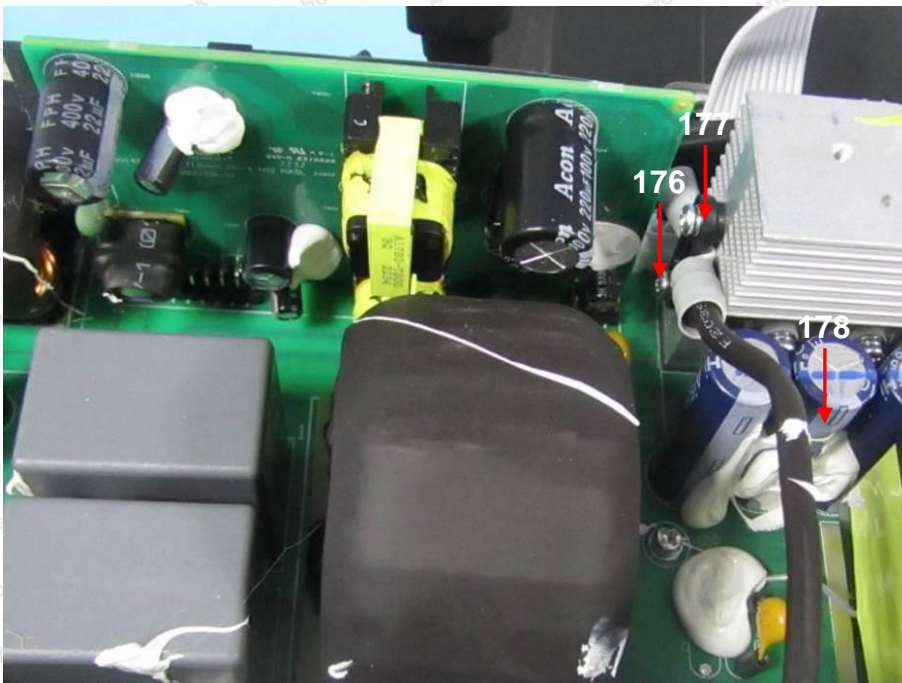
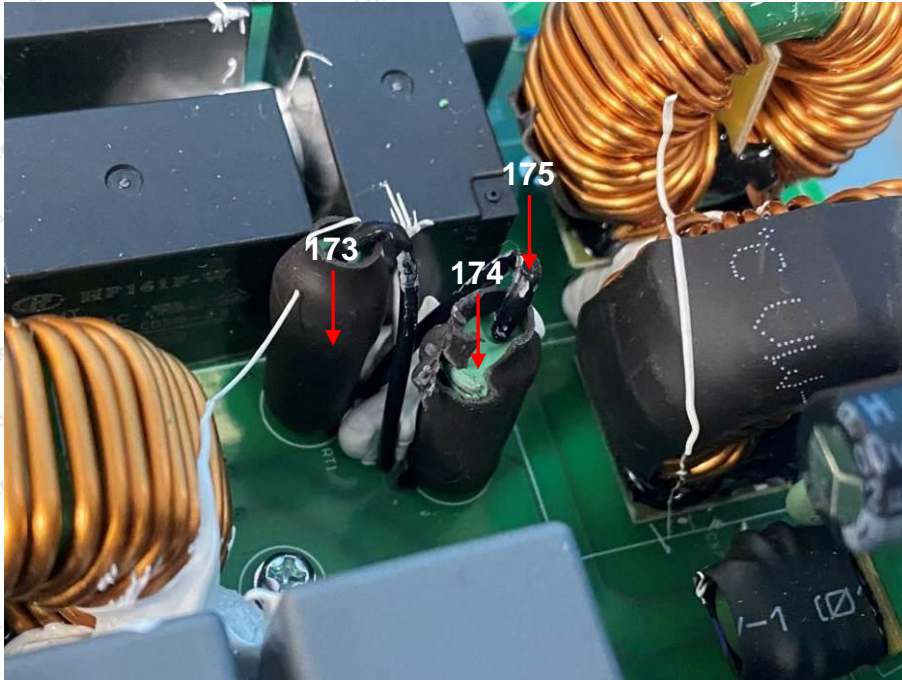


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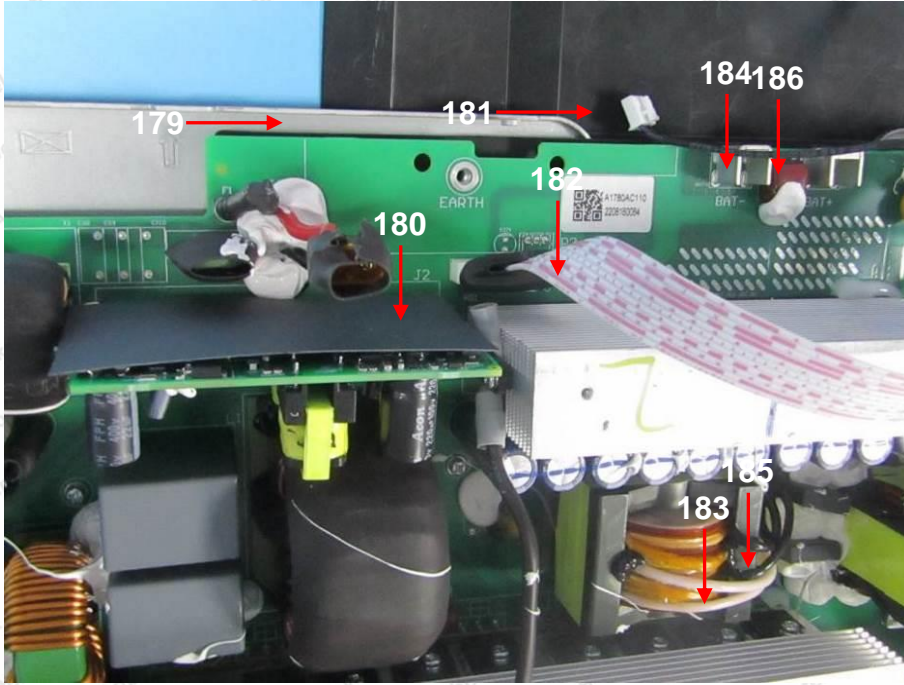


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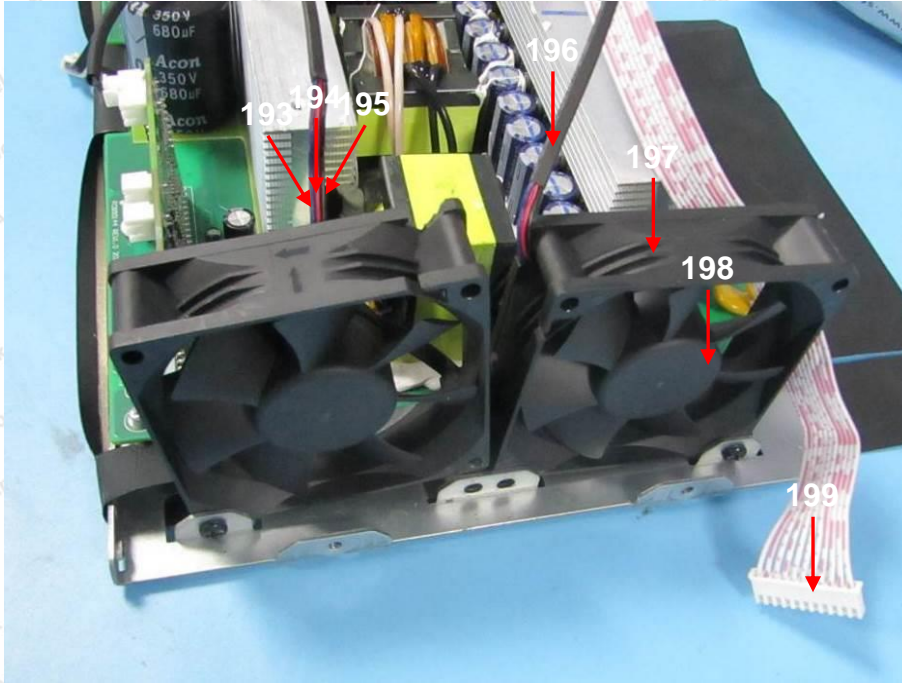


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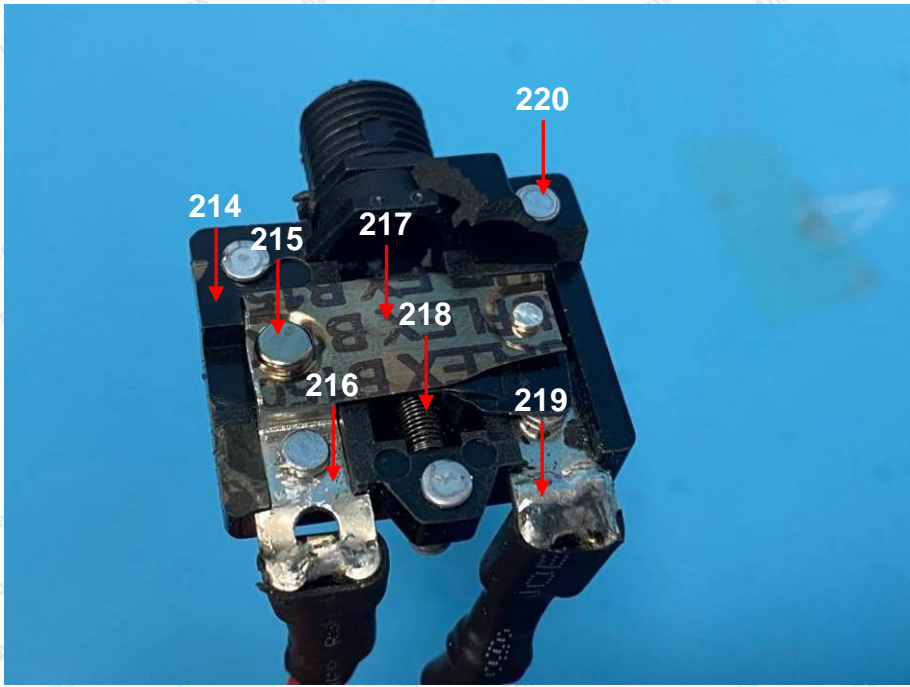
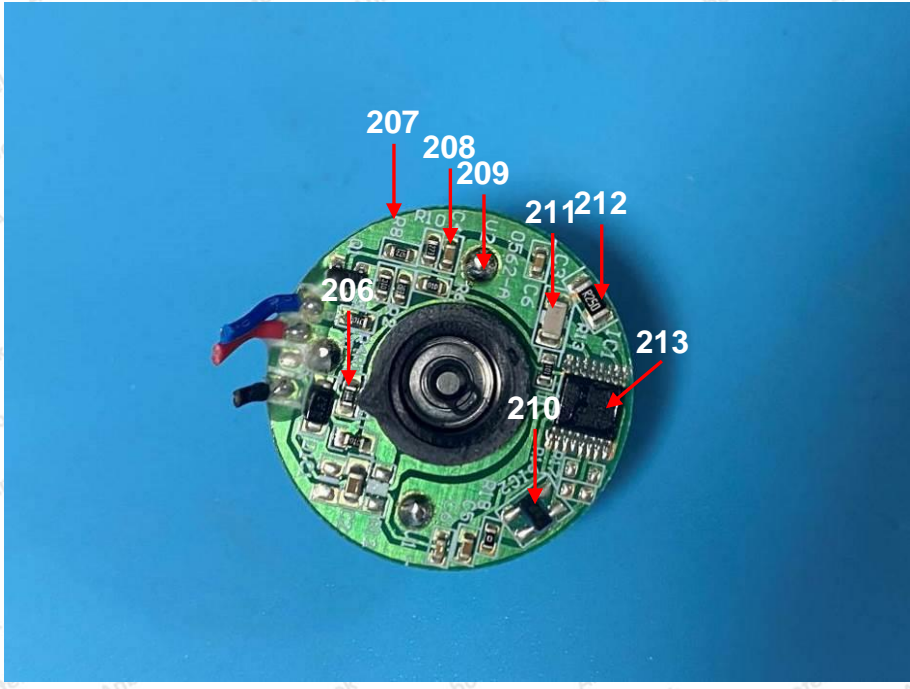


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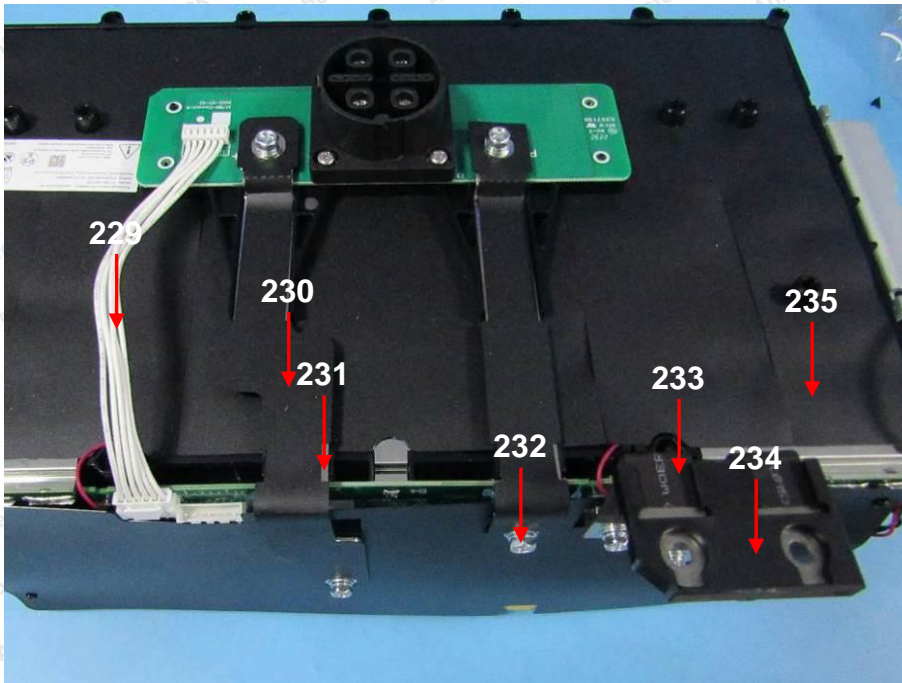
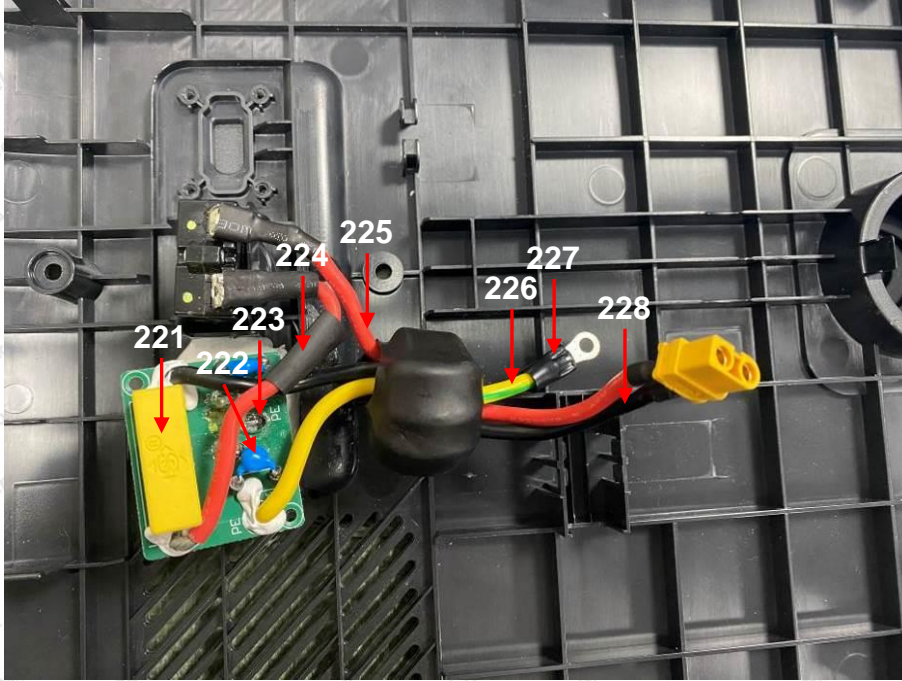


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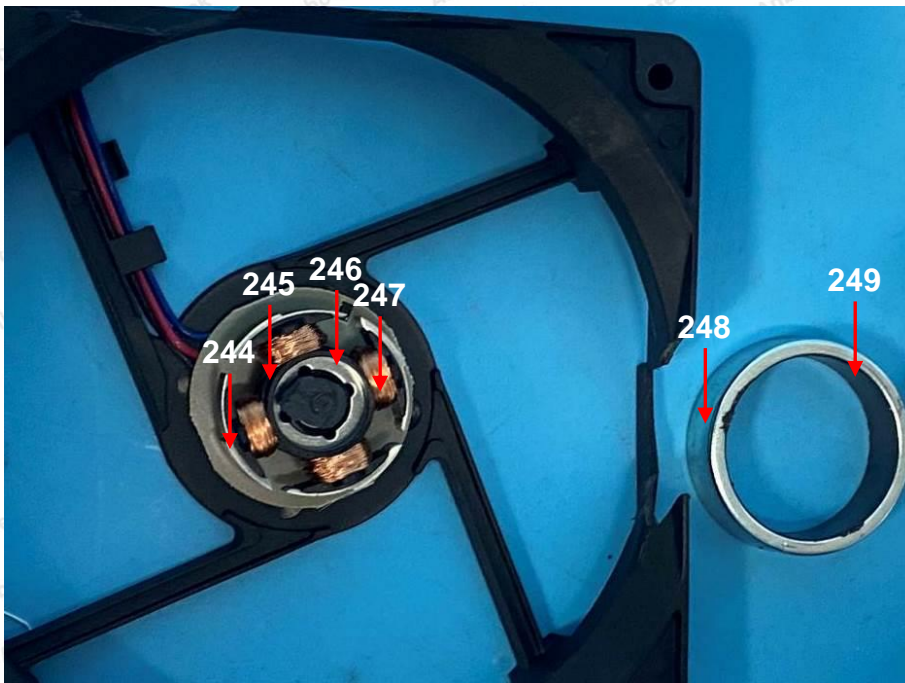
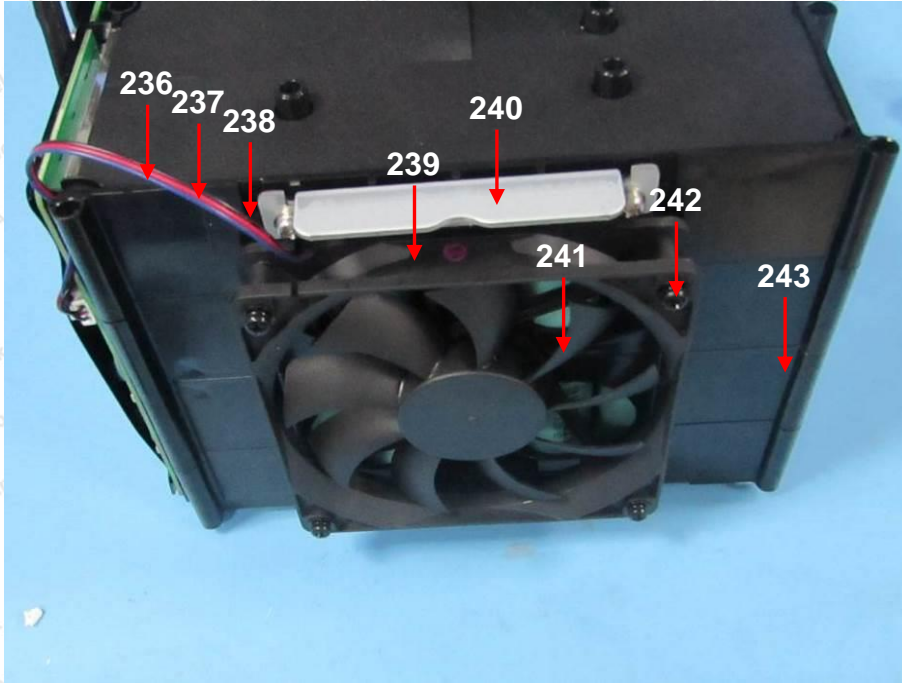


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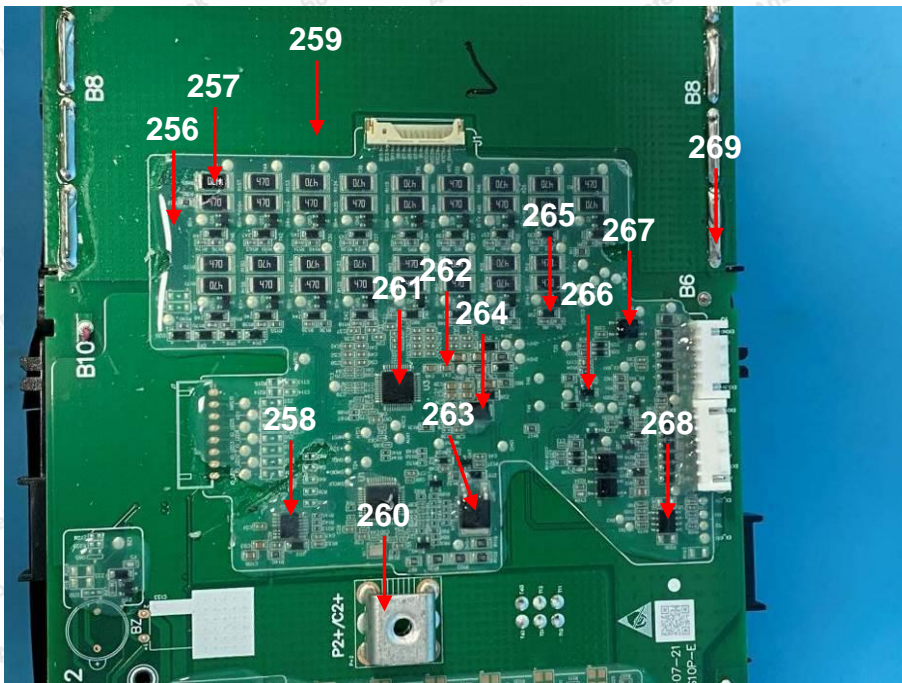


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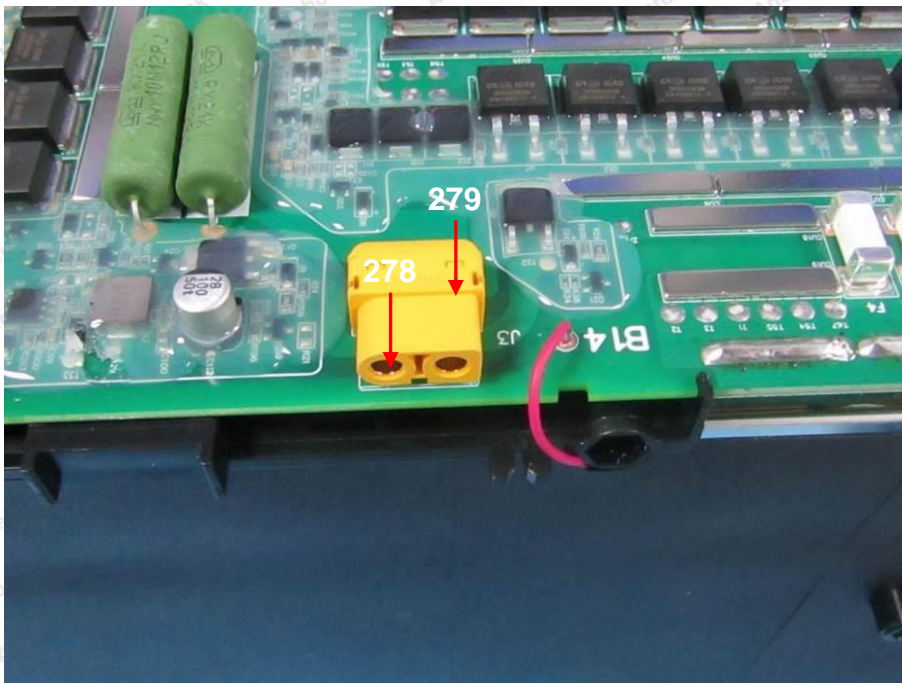
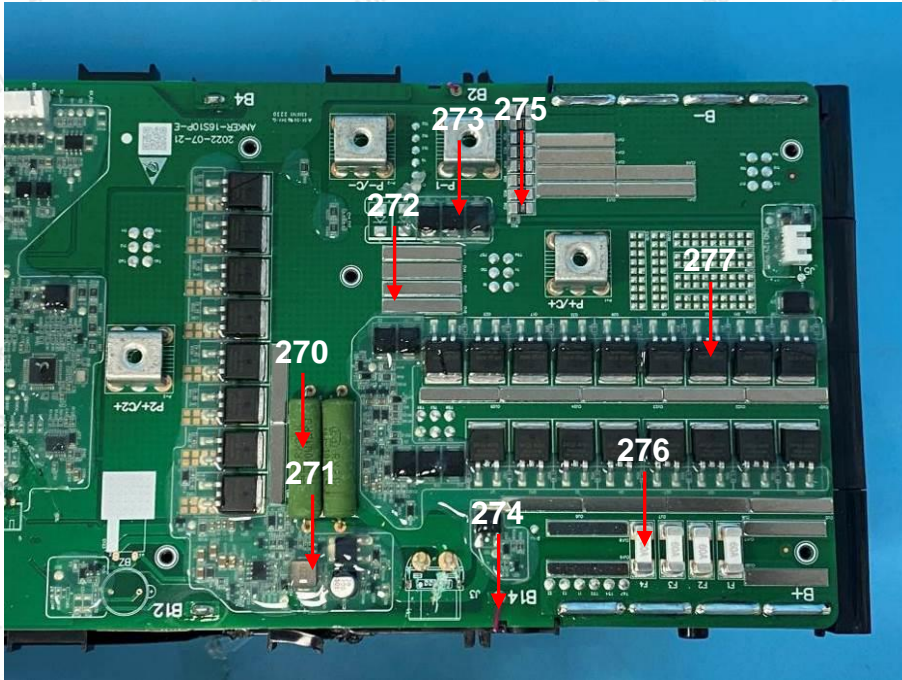


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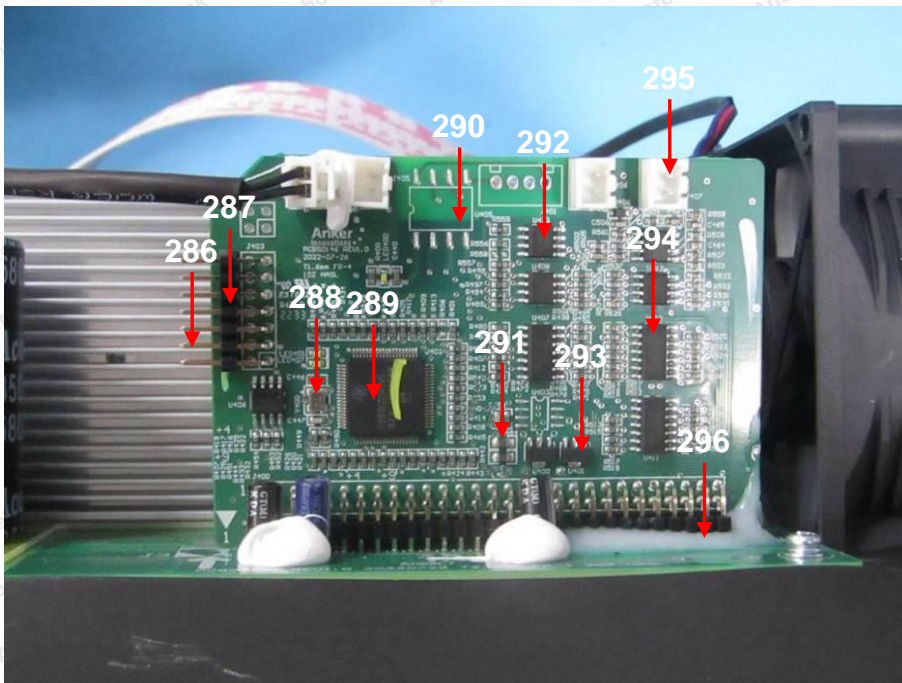
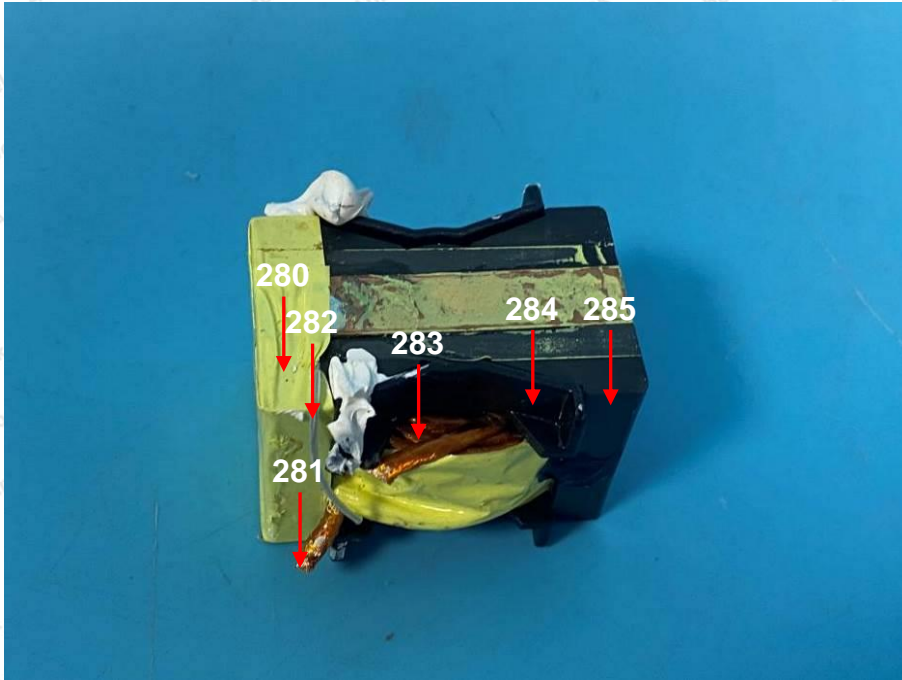


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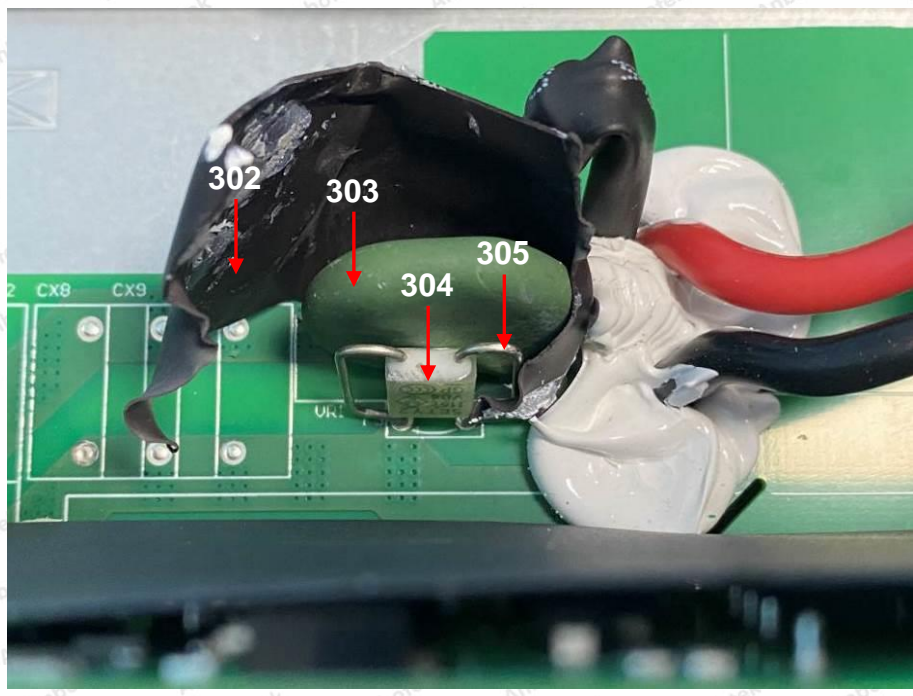


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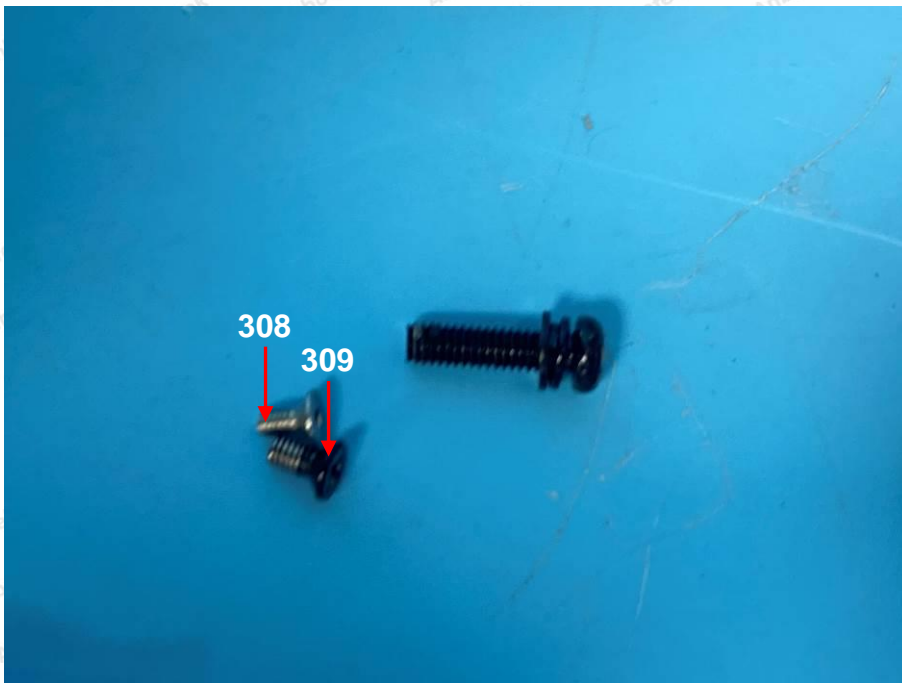
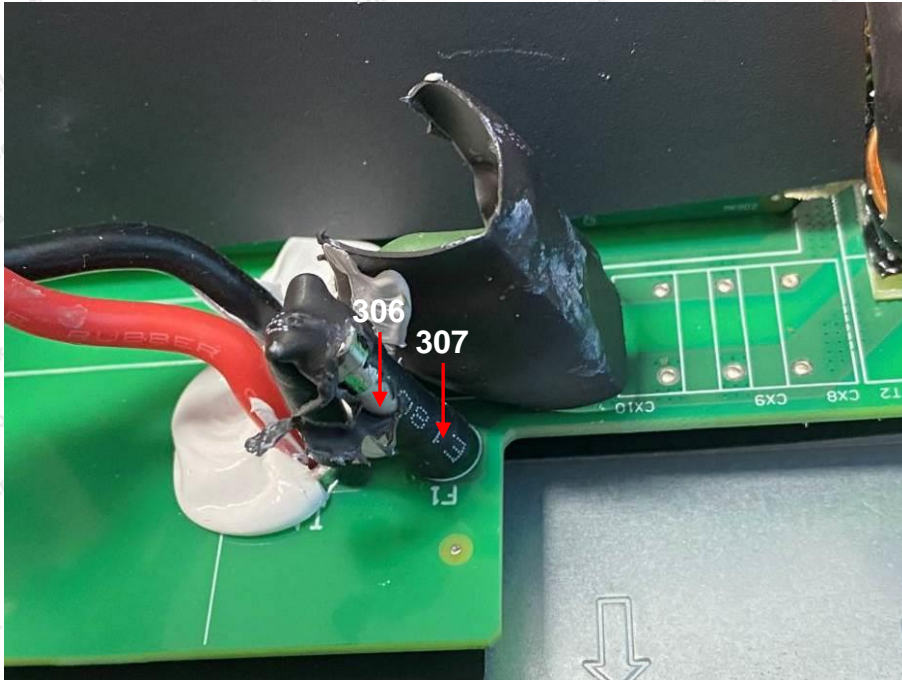


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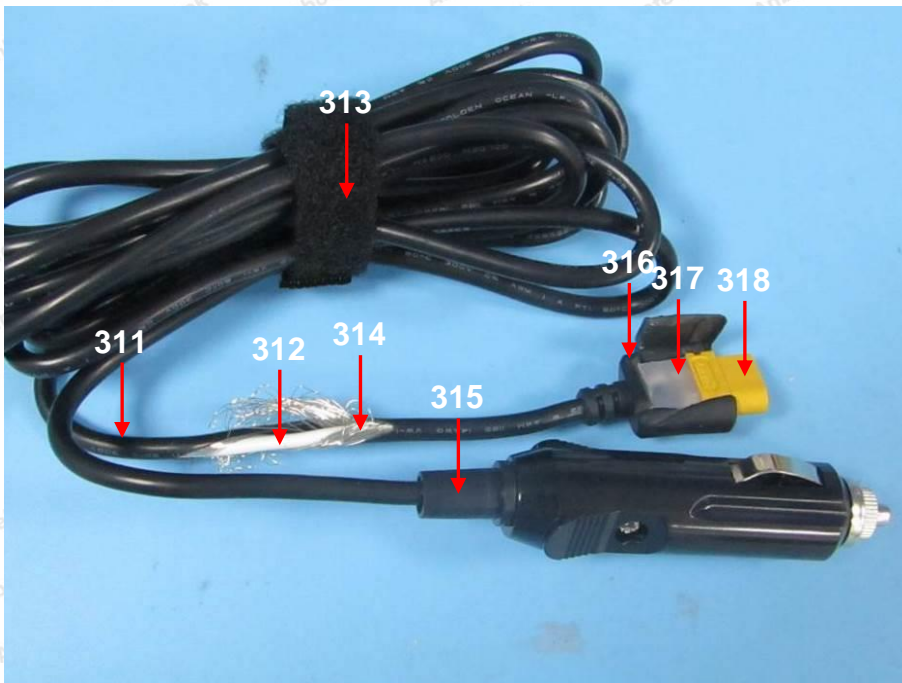


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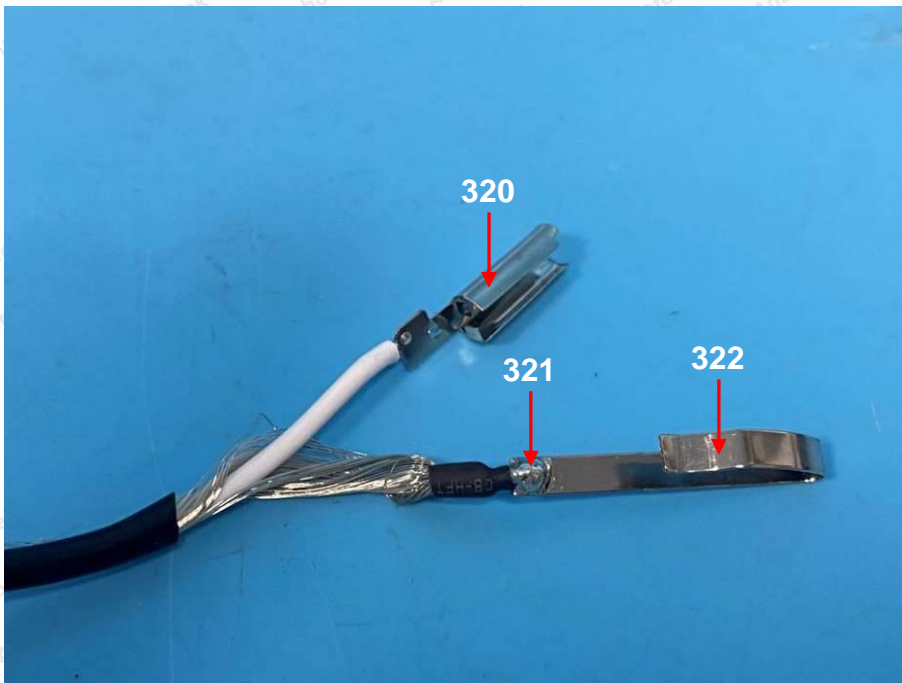
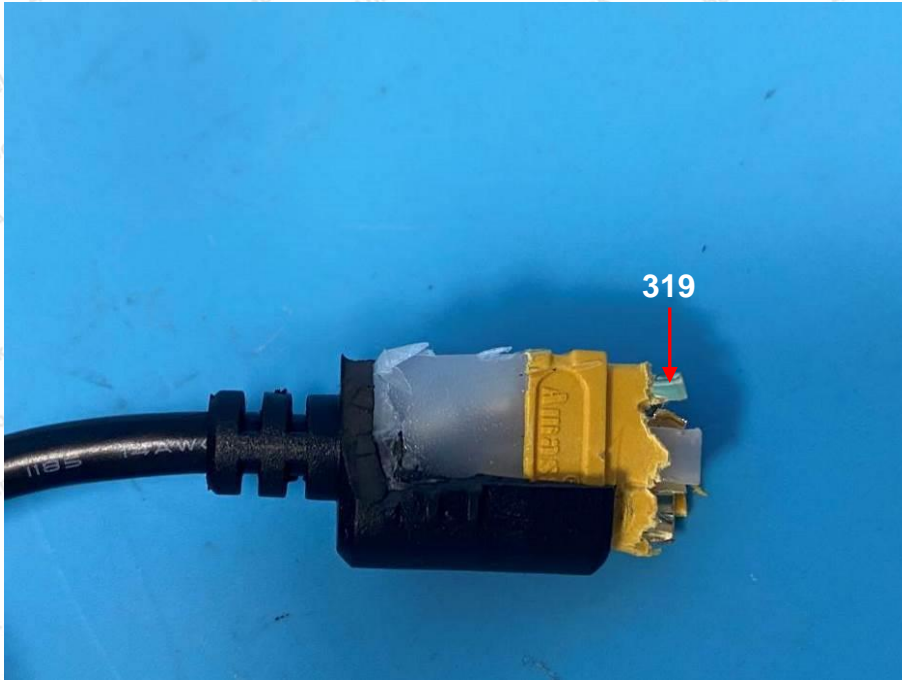


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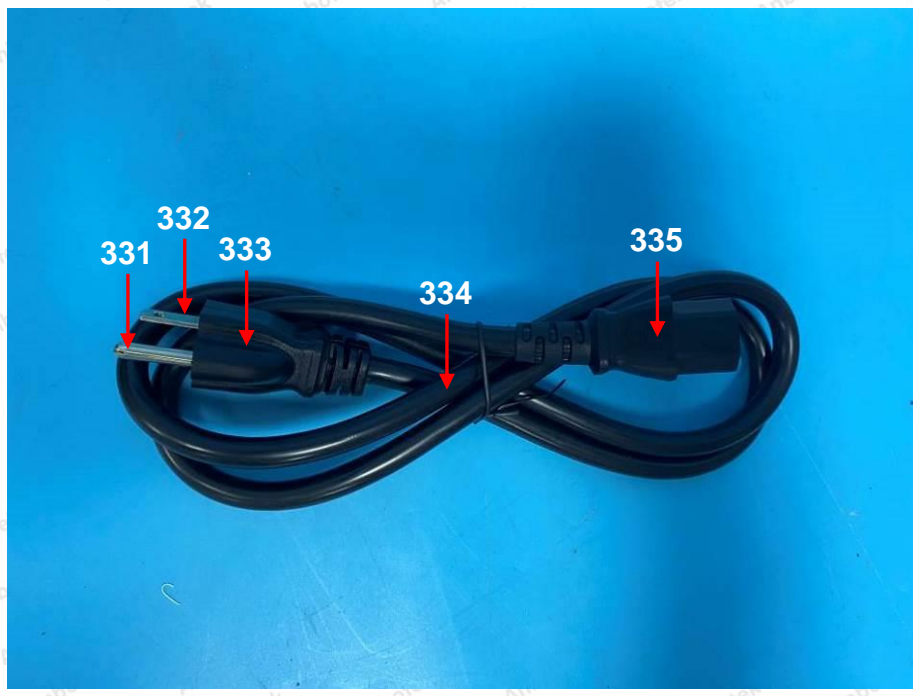
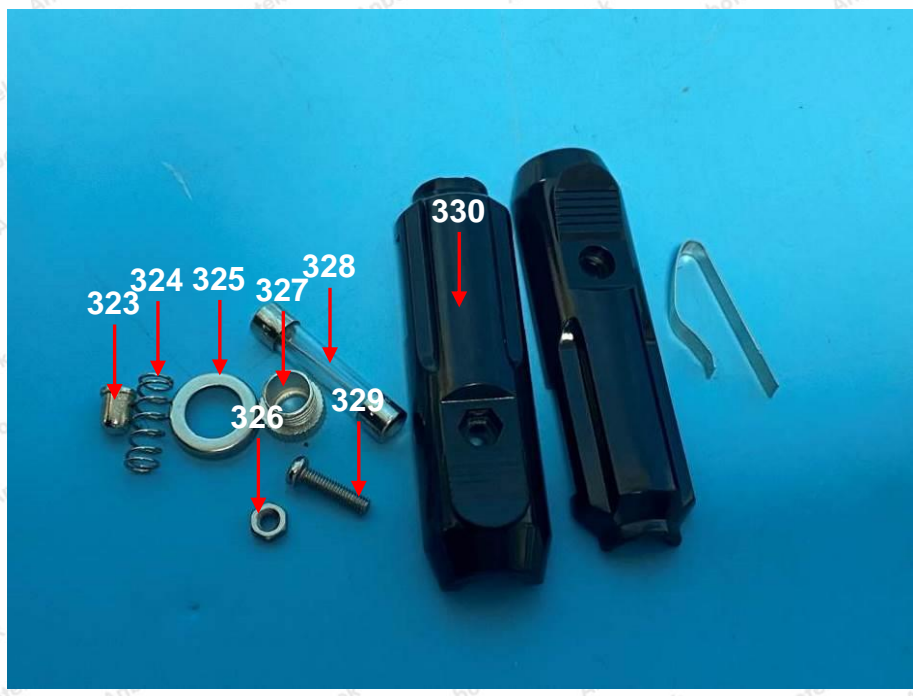


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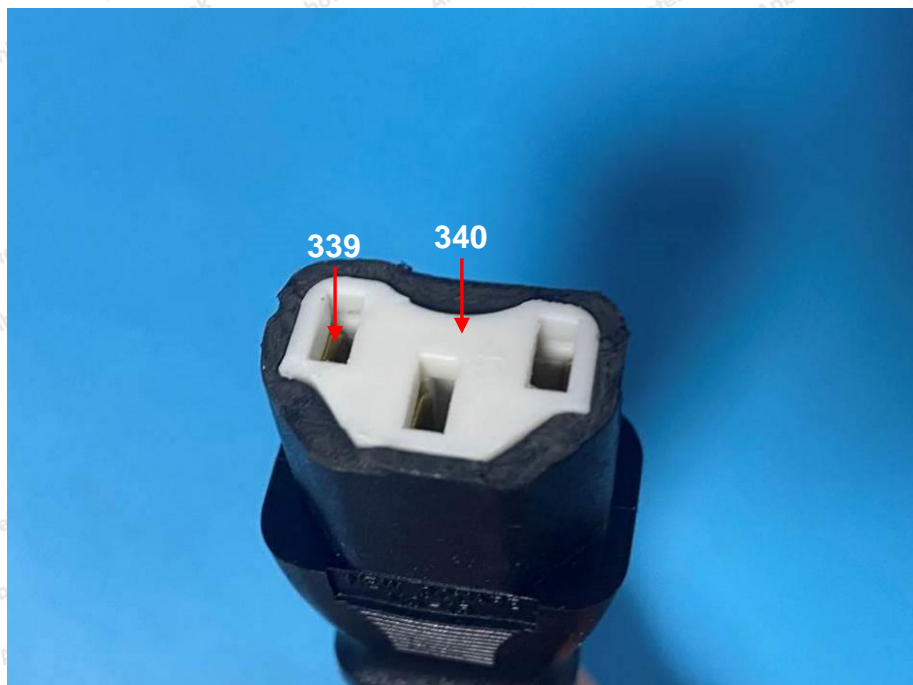
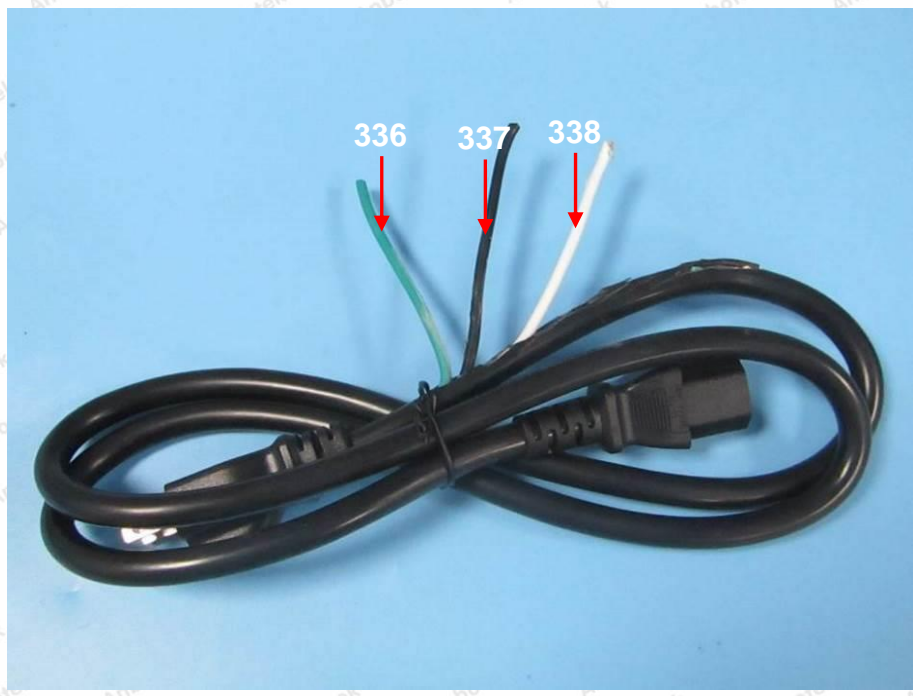


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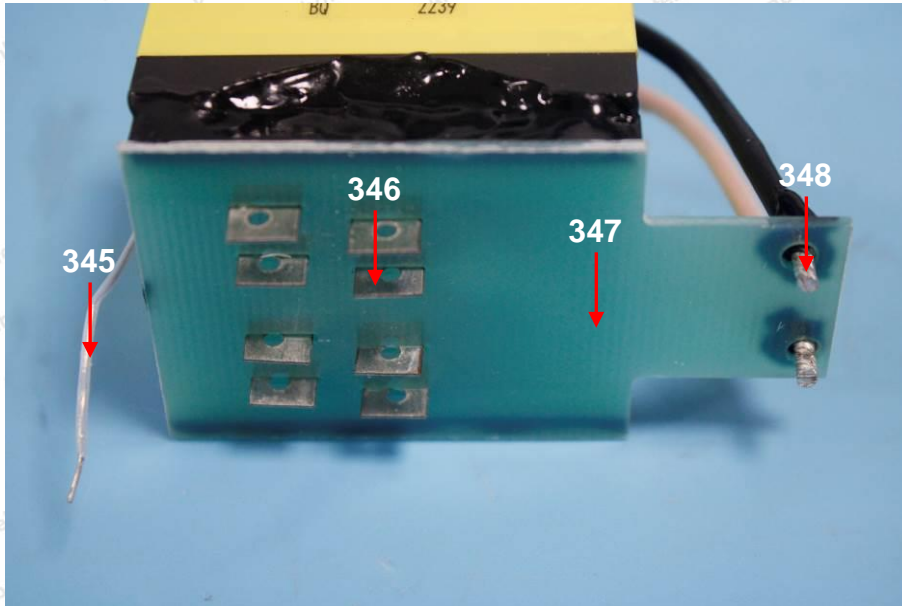
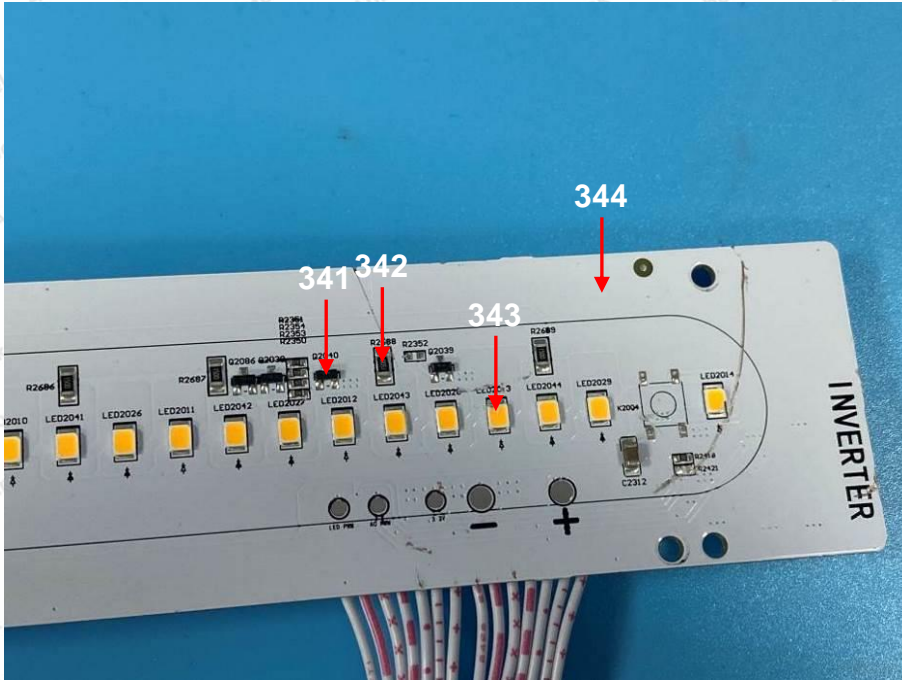


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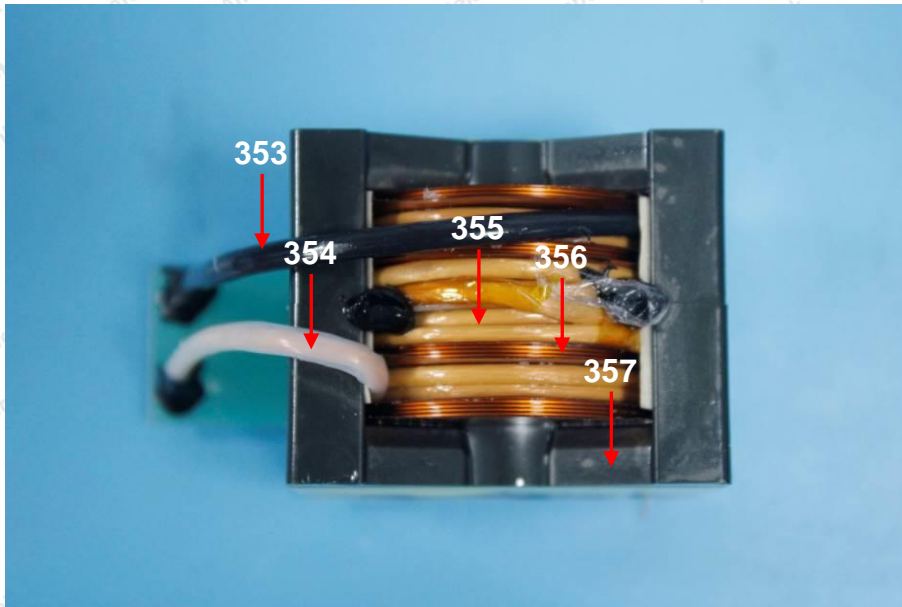


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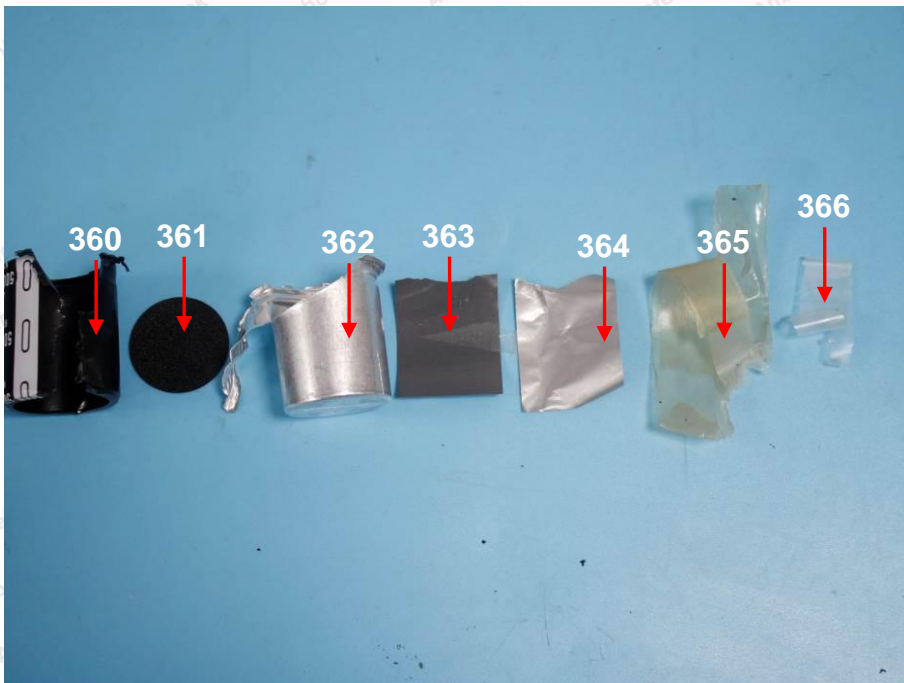
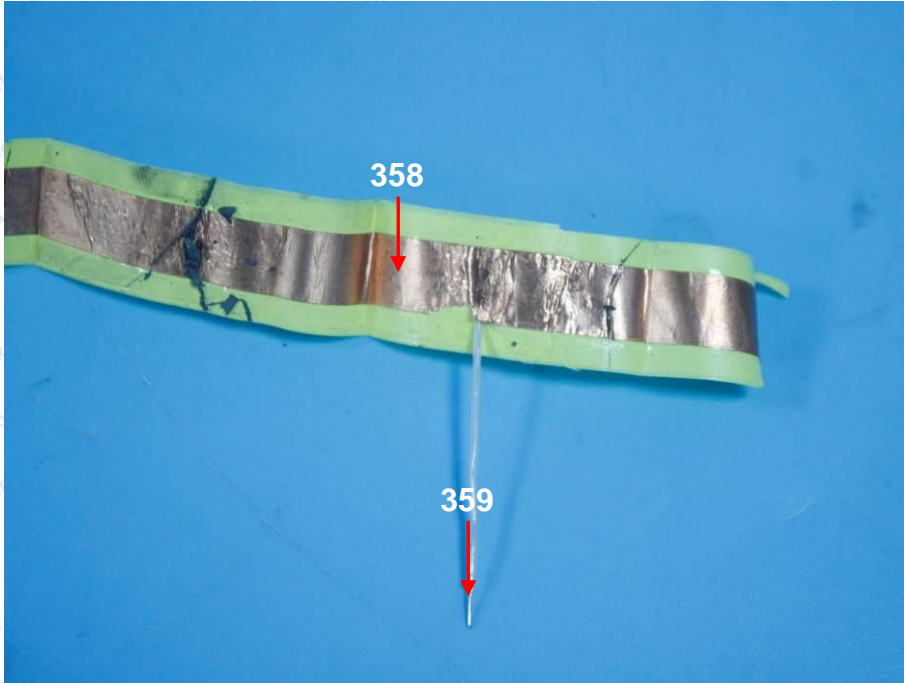


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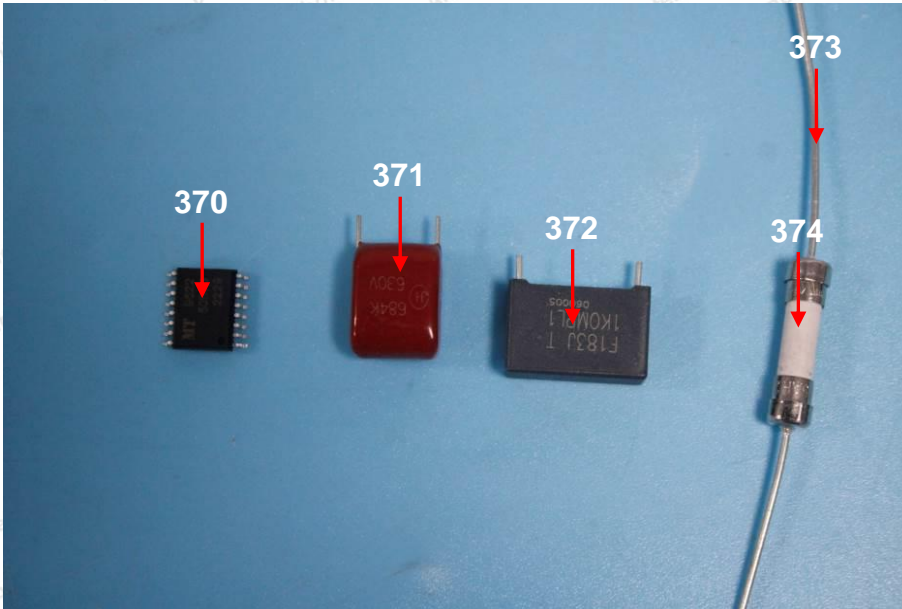


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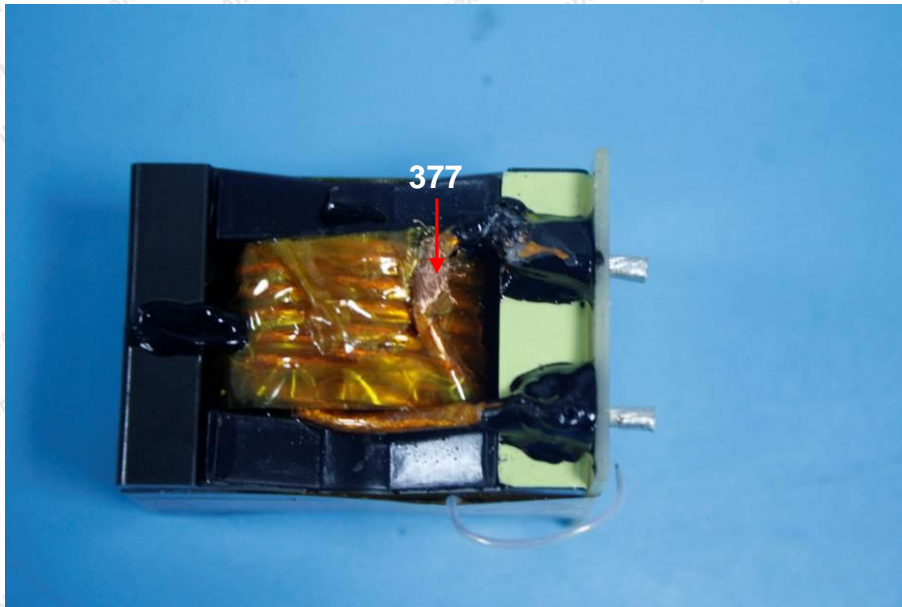


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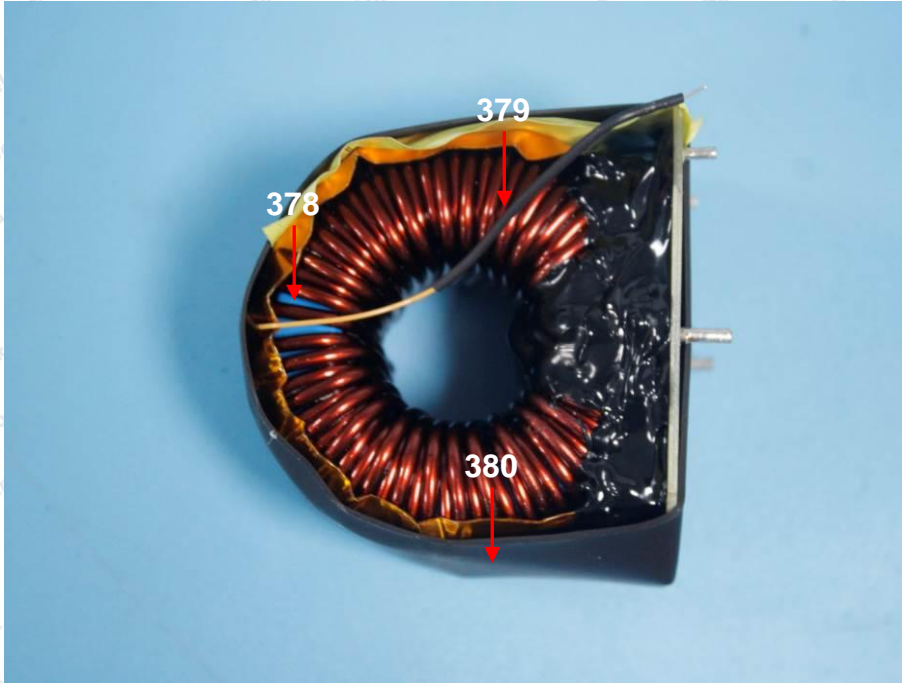


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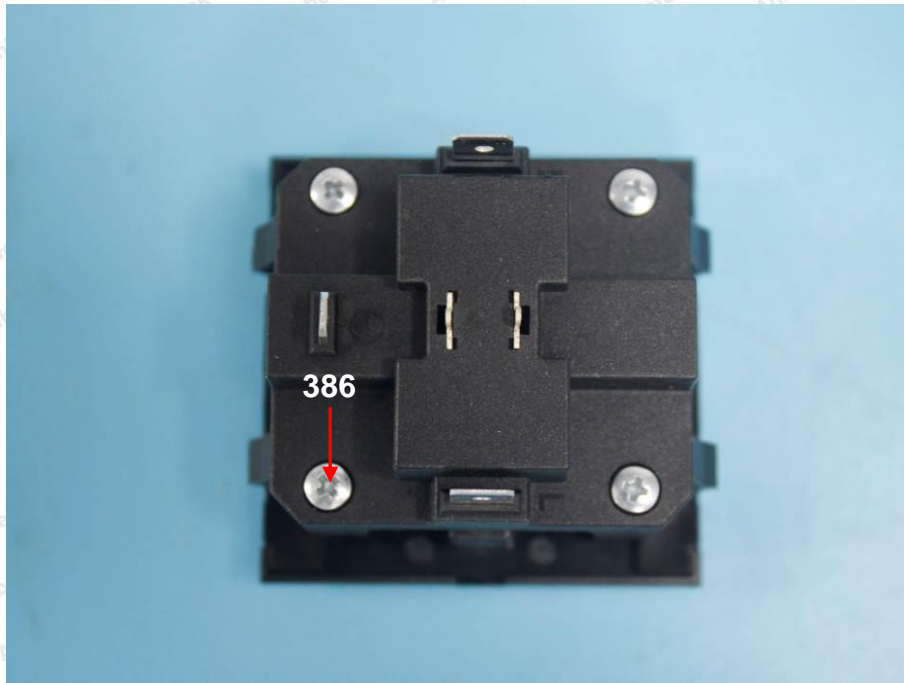


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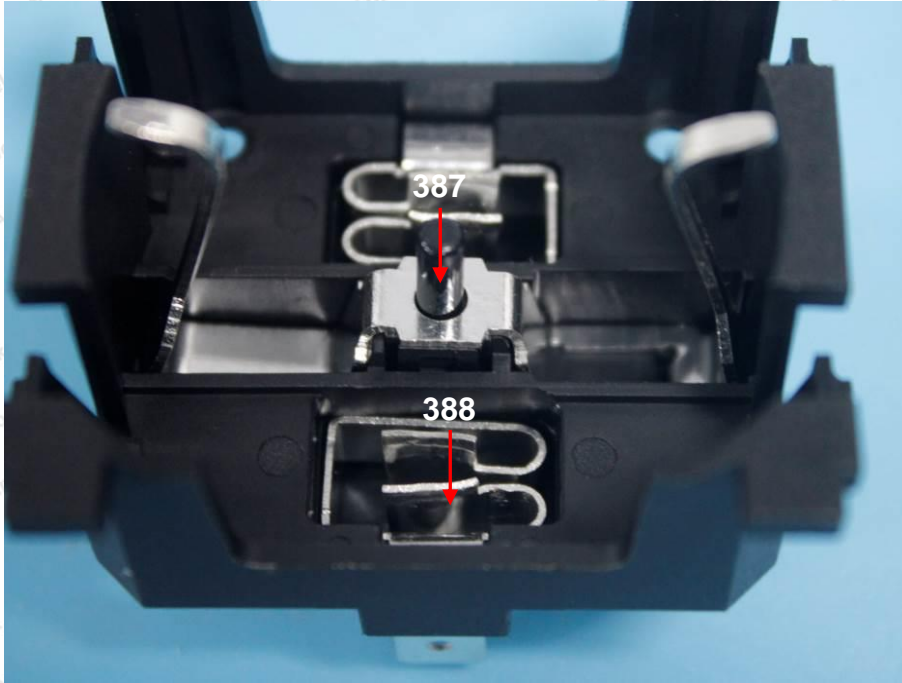


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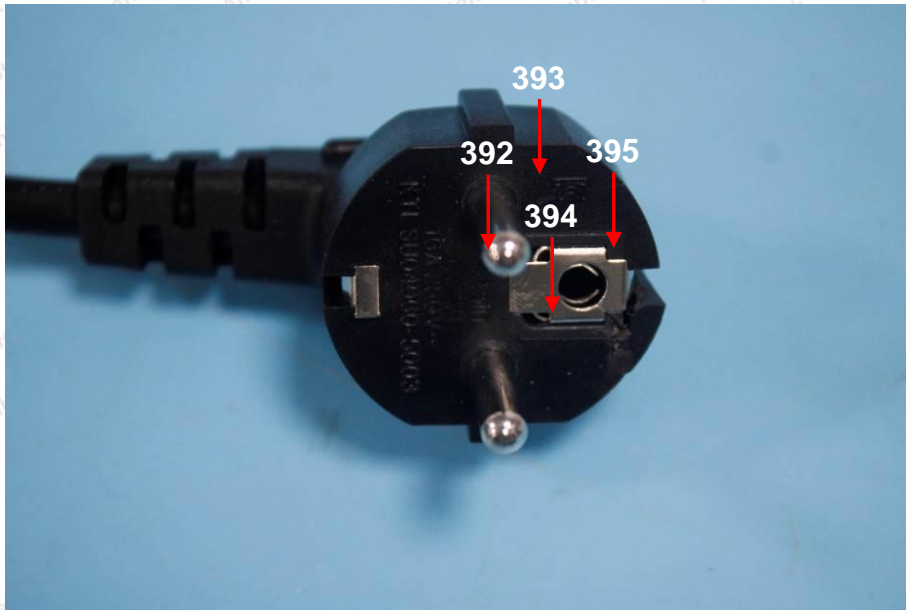


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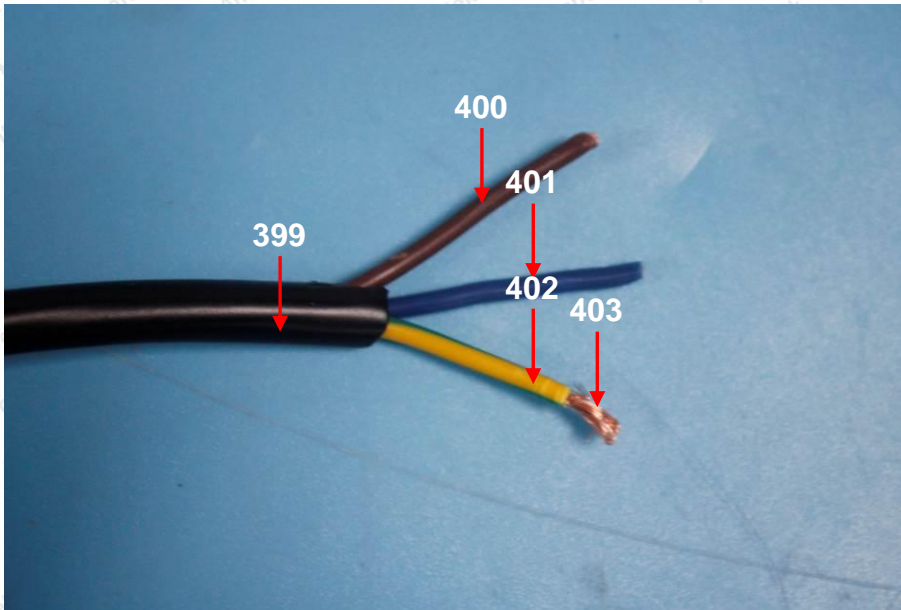
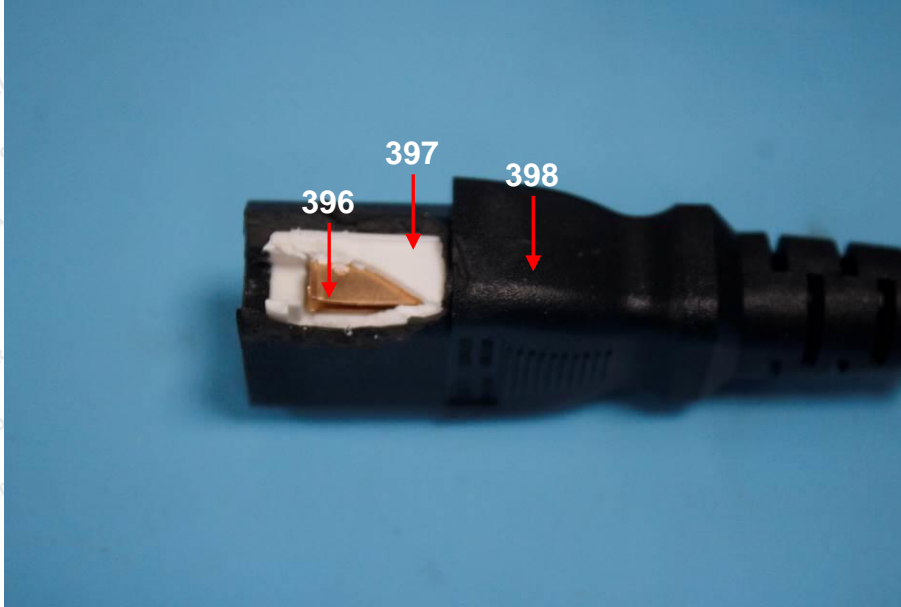


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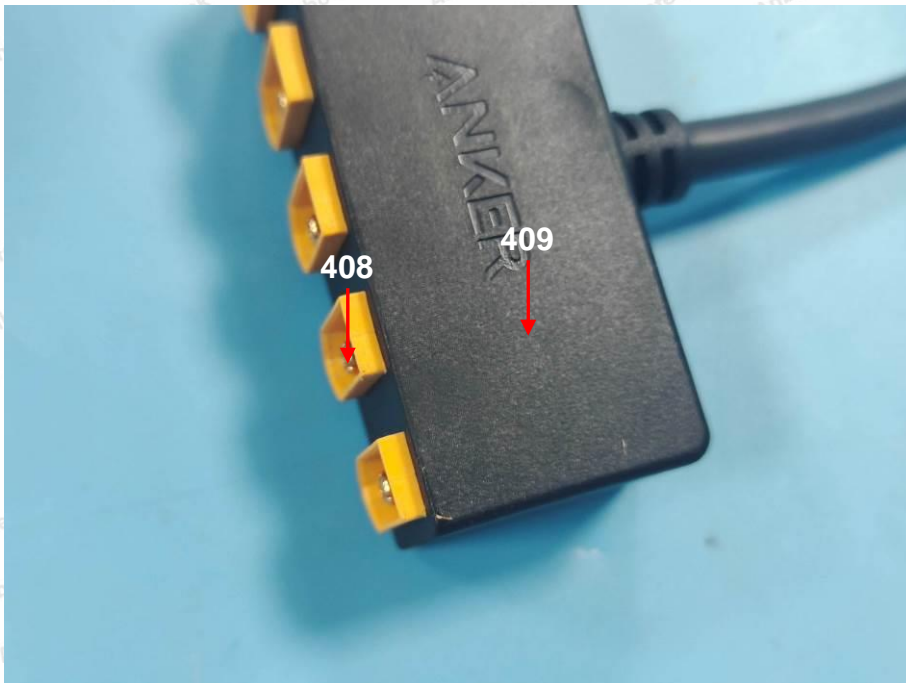


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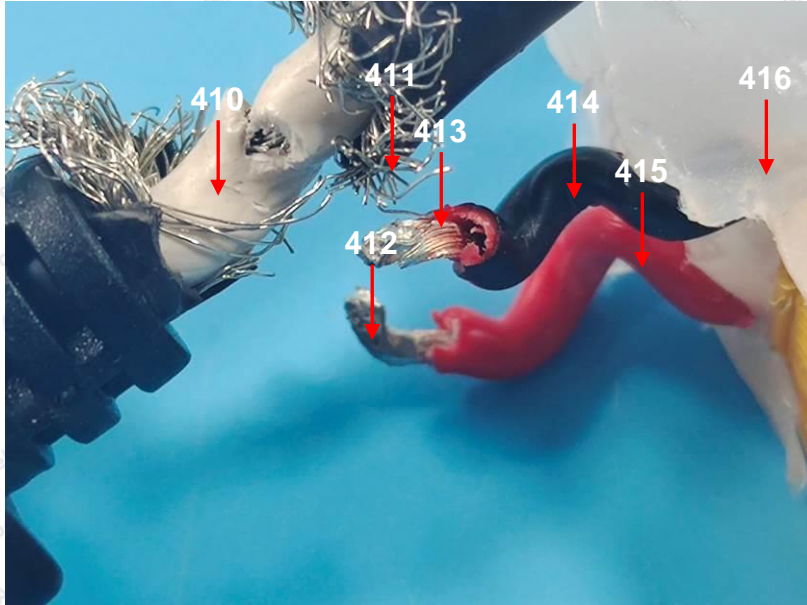


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The following photos are provided by the applicant



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**** End of Report ****

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