

# Union Sound Limited

## Final Random Inspection Report for Air conditioner

Inspector Name:	Simon	Report Number:	NBQC100416-0101
Reviewed By:		Approved By:	
Insp.booking form no:	IN100518&IN100520	Customer name:	ALTH

PO number:	BAZ912048 BAZ912050	Inspection date:	15-16 <sup>th</sup> April 2010
Supplier:	AUX	Destination country:	FRANCE
Model Number:	CLF112E	Maker's ref:	ASW-H12B4/EVR1-C
Quantity:	115+40=155	Product Brand:	
Product type:	Air conditioner	Remark:	

Quantity of the PO:	155PCS		Single sampling plans for Normal inspection according to MIL-STD-105E, Level II; Cr: 0, Maj: 1.0, Min: 4.0			
Lot Size:	155PCS		Defects	Critical:	Major:	Minor:
Production Status:	155PCS	100 %	Allowed	0	0	1
Packing Status:	155PCS	100%	Found	1	0	1
Sampling Size:	10		Result	Re	Ac	Ac
(Ac - Accepted, Re - Rejected)						

Inspection Result:	rejected
Note: Fill in Conformed or Rejected or Pending	
Compare the goods with QS report:	ASW-H12C4-EJR1 Air conditioner-QS-20081112
Remark:	non-conformity

Defects				
No.	Defect Description (Serial number)	Critical	Major	Minor
1	The filter are broken			1
2	The N wire taut before earthing wire, but the earthing wire is taut before L wire, the maker say they make sure of that their worker will make the anchorage tightly to fix supply cord, so they think it is not a problem	1		
3				
Total:		1	0	1

Remarks to be approved (Ac – Accept, Re – Reject, Cp – Condition passed)			
No.	Remarks	Sample Size %	Result
1	The instructions seem not write the sentence for the maximum permissible system impedance value for the product comply with EMC standard EN61000-3-11	100%	pending
2	The plastic bag without the warning words for suffocation but with hole	100%	pending
3	Step motor"24BYJ48 12VDC <b>Huacheng</b> " is not same as the ones listed in CDF	100%	Pending
4	Optocoupler" <b>TLP3023</b> " is not same as the ones listed in CDF	100%	pending
5	Fuse" <b>50T</b> 3.15A 250V VDE" is not same as the ones listed in CDF	100%	pending
6	4-way valve"DHF-5 <b>240V~</b> 6.5W TUV" is not same as the ones"DHF-5 230V 6.5W TUV" in CDF	100%	pending
7	The battery box of remote control had better mark the battery's type	100%	Cp

Product Description	
Product dimension without packing(mm)	Indoor part:725x250x220mm;outdoor part:810x550x315mm
Product dimension with packing(mm)	Indoor part:810x320x275mm;outdoor part:885x610x360mm
Nominal Power/Current input:	220-240V 50Hz max 1400W
Electrical insulation class:	Class I

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Battery Type:		No battery inside remote control		
Material / Colour / Presentation		<b>SPLIT WALL MOUNTED A/C</b> <b>COOLING-HEATING - 12000 Btu - KING D'HOME</b> <b>REF. ASW-H12B4/EVR1-C</b> <b>Electronic touch controls with on/off hour timer +</b> <b>remote electronic touch control (NO batteries</b> <b>included)</b> <b>+ 4 metres connecting pipes</b> <b>Colour : WHITE main unit &amp; split</b> <b>KING D'HOME LOGO TO BE AFFIXED ON UNIT</b> <b>FRONT</b> <b>KING D'HOME Brand name on item / package /</b> <b>energy label / I/M &amp; rating label</b> <b>Instruction manual in French</b> <b>Cooling capacity : 12000 Btu/hr (3.5 kW)</b> <b>Heating capacity : 3.8 kW -</b> <b>Power supply : 220-240 V / 50 Hz</b> <b>24 hours timer with auto mode &amp; sleep mode</b> <b>Refrigerant : R410A</b> <b>CE / GS / EMC &amp; LVD approval - EER : A</b> <b>SILK SCREEN of the unit : to be translated into</b> <b>FRENCH (approval before final printing)</b> <b>Packing : 2 cartons (1st carton w/ indoor unit +</b> <b>remote control-2nd carton w/ outside unit +</b> <b>connecting pipe.</b>		
User manual language:		French		
Accessories:		4m Brass connection tube Dg4 and Dg8 and 2m water tube I/M,remote control		
Serial number:		<b>KINCLFK4100300118 TO KINCLFK4100300232 ;</b> <b>KINCLFK4100200191 TO KINCLFK4100200230</b>		
Item (Indoor+outdoor)	Product	Accessories	Battery	Packing
Weight (g)	38500	1650		5550
Net Weight (g)	44050	Gross Weight (g)	44050	
Remark: Net Weight= Product+ Accessories, Gross Weight= Total 1 carton weight / quantity				

Certificates (To fill in with the result, P: Passed, Cp: Condition passed, R: Rejected or description)						
Direct		Standards	Lab	Date	Report N <sup>o</sup>	Result
C E	LVD	EN 60335-1: 2002 +A11 +A1 +A12+A2+A13 EN60335-2-40:2003+A11+A12+A1	TUV	2009-03-09	15015511008	P
	EMF	EN 62233:2008	TUV	2009-03-09	15015511008	P
	EMC	EN55014-1 :2006 EN55014-2/A1 :2001 EN61000-3-2 :2006 EN61000-3-3/A2:2005 EN61000-3-11:2000	TUV	2009-02-18	708880819002-03	P
GS		EN 60335-1: 2002 +A11 +A1 +A12+A2+A13 EN60335-2-40:2003+A11+A12+A1 EN62233:2008	TUV	2009-03-09	15015511008	P
Energy		EN 14511				Made by the factory
RoHS		A Compliance Declaration				
		Consolidated test report				Made by the factory
		All components certificates				
		XRF report for Final product				
		HSPM factory certificate				
Remark:						

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Inspection S-1 sampling plan				
Samples Quantity: 1pcs		Result		Comments
Item no.	Test description	Passed (X)	Failed (pcs)	
1	Internal check for workmanship & Cr., Cl.		F	
2	The earthing wire longer than L/N wire not less than 10mm.		F	
3	Circuit Diagram	P		
4	Test finger test (Clause 21.101)	P		
5	Spring Hammer test (With 0.5J)	P		
6	Power cord Pull / Push / Torque test	P		Clause 25, <=1kg, 30N, >1 & <=4kg, 60N, >4kg, 100N
7	Transport drop test on master carton (1pc)	P		GW<=5Kg, H=140-10XGW(cm) GW>5Kg, H=70-GW (cm)
8	Aging test	P		1h
9	Torque of earth screws. (1.2 Nm)	P		
10	The compressor can re-start within 3 minutes after stopped.	P		About 3min
11	Thermostat range (18-32	P		16-32degree
12	Bar code number	P		
13	Bar code scan	P		
14	Markings(CE, trash logo, voltage, warning)	P		
15	Markings durability test	P		
16	Artwork check	P		
17	Compare product with giftbox/offer sheet / PO description / IM	P		
18	Compare the artwork with provided ones (IM/Giftbox/ markings)	P		
19	Check earth wire size	P		EN60335-1 Clause: 27.3
20	Standby Mode	N/A		1W => eco-design 2005/32/EC
21	Off mode	N/A		1W=> eco-design 2005/32/EC
22	Display function	N/A		2W=> eco-design 2005/32/EC

Inspection S-3 sampling plan				
Samples Quantity: 8 pcs		Result		Comments
Item no.	Test description	Passed (X)	Failed (pcs)	
1	Switch ON/OFF 20Cycles for main switch	P		Remote control
2	All components assembly			N/A
3	Air hole and warning sentence for plastic bag			See remark
4	Serial number	p		

Inspection G-II sampling plan				
Samples Quantity:10 pcs+22pcs inspection in production line		Result		Comments
Item no.	Test description	Passed (X)	Failed (pcs)	
1	Electric strength: Live Part and accessible metal part at 1250V (Class I)	p		
2	Electric strength: Live Part and non-metal enclosure at 3000V	p		
	Earth continuity test (25A, <0.1Ω)	p		
3	Switch position function			N/A
4	Input power for cool mode (W)	P		Test 1pc in lab
5	Input power for heat mode (W)	P		Test 1pc in lab
6	Fan speed mode(rpm/min)	p		low:903;mid:1051;high:1180

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7	Temperature adjustable	p		
8	Remote controller function	p		
9	Timer	p		
10	On/Off time setup function	p		
11	Sweep adjustable or setup	p		

### Critical & Main components list

No.	Component type	Type, characteristics, supplier	Approval	Compliance with CDF	Result
1	Power Plug	DTIII-2P-05 16A 250V Sangle	VDE	Y	P
2	Power Cord	H05VV-F 3G1.5mm2 hongchang	VDE	Y	P
3	Interconnection cord1	H05RN-F 2X0.75mm2 Yusheng	VDE	Y	P
4	Interconnection cord2	H07RN-F 3G1.5mm2 Yusheng	VDE	Y	P
5	Compressor	Sanyo C-RV133H1C R410a	VDE	Y	P
6	Capcitor for compressor	CBB65 35 $\mu$ F 450V 50/60Hz 40/70/21 Tongfeng	VDE	Y	P
7	Relay for compressor	SLI-S-112DM 30A 240V;12VDC	TUV	Y	P
8	Indoor fan motor	YYK19-4 220-240V 50Hz 19W	TUV	Y	P
9	Capacitor for Indoor Motor	CBB61 1.5 $\mu$ F $\pm$ 5%450V 40/70/21	TUV	Y	P
10	Outdoor fan motor	YDK25-6 220-240V 50Hz 25W	TUV	Y	P
11	Capacitor of outdoor fan motor	CBB61 1.5 $\mu$ F $\pm$ 5%450V 40/70/21 fengming	TUV	Y	P
12	Step motor	24BYJ48 DC12V Huacheng		N	See remark
13	X2 capacitor	CBB62 0.1 $\mu$ F 40/85/21	VDE		
14	Fuse for PCB	50T 3.15A250V	VDE	N	See remark
15	Relay for outdoor fan motor & 4-way valve	SJ-S-112DM 5A 250V;12VDC	VDE	Y	P
16	Optocoupler	TLP3203		N	See remark
17	transformer	TDB-6-B4 220-240V 50Hz AC11V 400mA		Y	P
18	4-way valve	Chunhui DHF-5 240V 6.5W 50Hz	TUV	N	See remark
19	Terminal of indoor unit	JXW 600V 4mm2 qiangli		Y	P
20	Terminal of outdoor unit	JXO-B4-5 600V 30A 4mm2		Y	P
21	PCB	KB5150		Y	P

### Defect Photos:

1 The filter are broken



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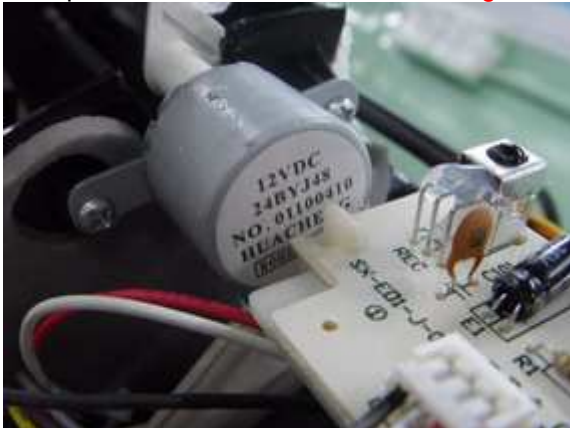


Remark:

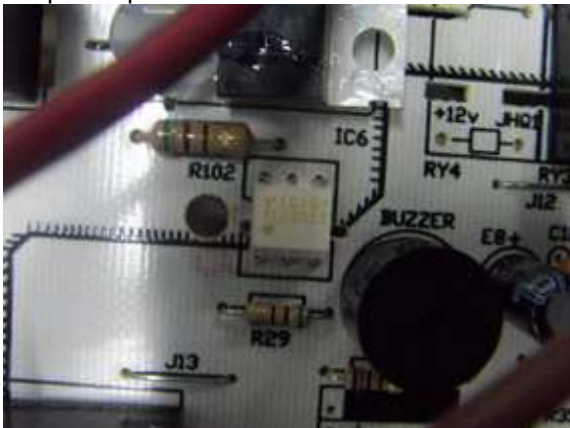
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4 Optocoupler "TLP3023" is not same as the ones listed in CDF





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6 4-way valve "DHF-5 240V~ 6.5W TUV" is not same as the ones "DHF-5 230V 6.5W TUV" in CDF



7 The battery box of remote control had better mark the battery's type



Photos Documentation



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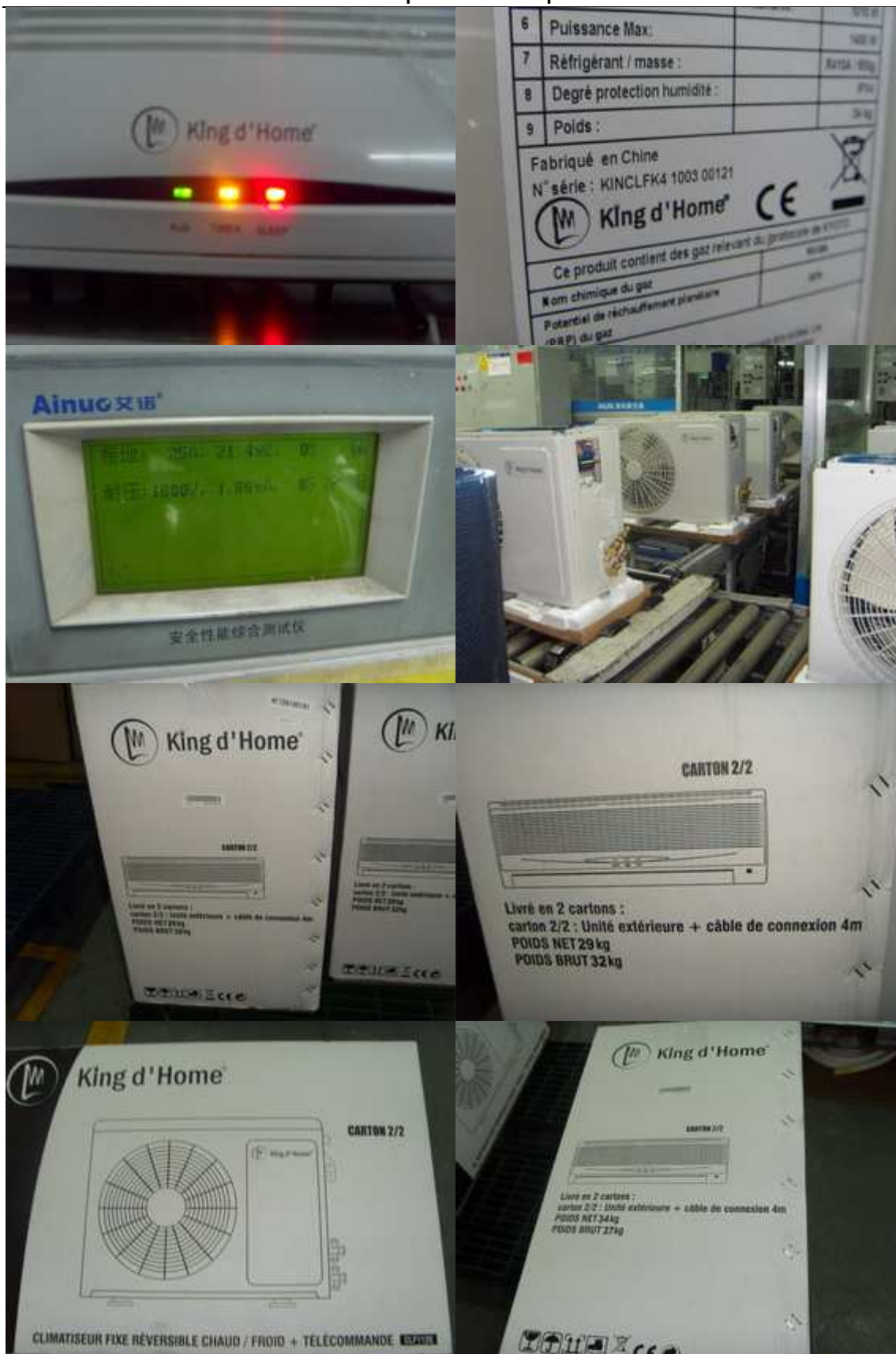
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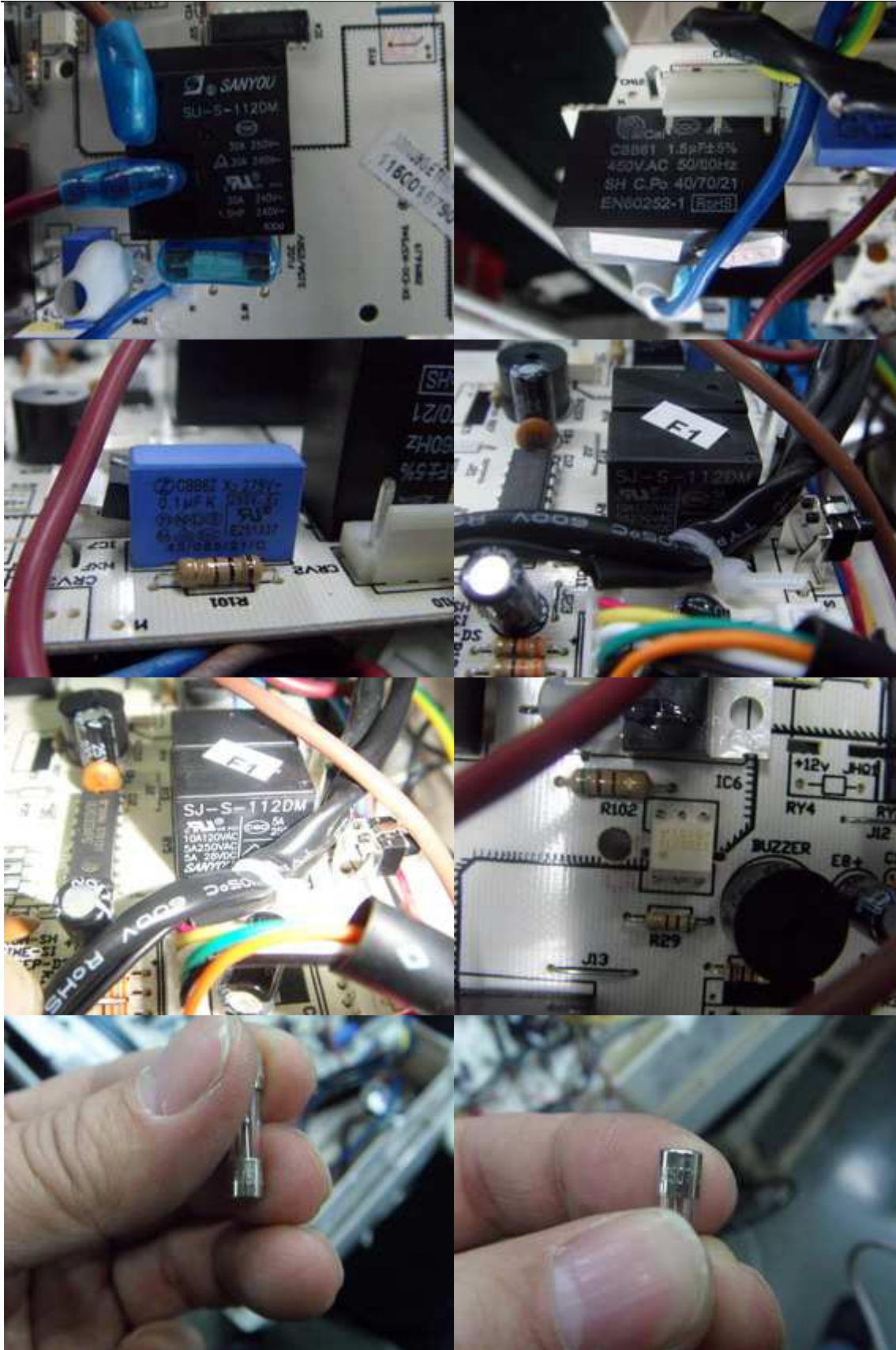
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