

SPLIT TYPE  
AIR CONDITIONER  
CASSETTE TYPE (60Hz)

# SERVICE MANUAL



Indoor unit	Outdoor unit
AUU18RCLX	AOU18RLX
AUU24RCLX	AOU24RLX
AUU36RCLX	AOU36RLX
AUU42RCLX	AOU42RLX

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# SPECIFICATIONS

TYPE	COOLING & HEATING			
INDOOR UNIT	AUU18RCLX	AUU24RCLX	AUU36RCLX	AUU42RCLX
OUTDOOR UNIT	AOU18RLX	AOU24RLX	AOU36RLX	AOU42RLX
COOLING CAPACITY	17,800 / 17,800 BTU/h	22,200 / 22,200 BTU/h	34,100 / 33,500 BTU/h	42,700 / 41,700 BTU/h
HEATING CAPACITY	21,500 / 21,500 BTU/h	24,200 / 24,200 BTU/h	38,200 / 37,600 BTU/h	47,800 / 46,800 BTU/h

## ELECTRICAL DATA

POWER SOURCE		230 / 208 V 60Hz			
RUNNING CURRENT	COOLING	7.0 / 7.8 A	9.2 / 10.1 A	18.3 / 19.5 A	20.3 / 21.7 A
	HEATING	8.9 / 9.9 A	10.4 / 11.4 A	16.2 / 17.9 A	19.1 / 21.0 A
INPUT WATTS	COOLING	1.61 / 1.61 kW	2.10 / 2.10 kW	4.22 / 4.08 kW	4.66 / 4.51 kW
	HEATING	2.05 / 2.05 kW	2.37 / 2.37 kW	3.73 / 3.73 kW	4.39 / 4.37 kW
E.E.R.	COOLING	3.23 / 3.23 kW/kW	3.10 / 3.10 kW/kW	2.37 / 2.40 kW/kW	2.67 / 2.71 kW/kW
	HEATING	3.07 / 3.07 kW/kW	3.00 / 3.00 kW/kW	3.00 / 2.95 kW/kW	3.19 / 3.14 kW/kW
STARTING CURRENT		8.4 A	9.5 A	10 A	15 A
MOISTURE REMOVAL (ℓ/hr)		2.5 L/hr	3.0 L/hr	4.0 L/hr	5.5 L/hr
AIRCIRCULATION-Hi (m³/hr)		950 m³/hr	1,050 m³/hr	1,600 m³/hr	1,700 m³/hr

## COMPRESSOR

TYPE	Total enclosed type, 4 poles, Inverter, Twin Rotary			Hermetic type, 6 poles, Inverter, Scroll
DISCRIMINATION	TNB220FPBM9			ANB33FCMMT
REFRIGERANT R410A	4 lb 3 oz 1,900 g	4 lb 3 oz 1,900 g	4 lb 14 oz 2,200 g	7 lb 8 oz 3,400 g

## FAN MOTOR

INDOOR UNIT (Cool / Heat)	DISCRIMINATION	MFA-24RPT	MFA-24RPT	MFA-54PZM	MFA-54PZM
	HIGH-SPEED	450 / 400 r.p.m.	490 / 440 r.p.m.	620 / 620 r.p.m.	650 / 650 r.p.m.
	MED-SPEED	390 / 350 r.p.m.	430 / 380 r.p.m.	540 / 540 r.p.m.	610 / 610 r.p.m.
	LOW-SPEED	330 / 310 r.p.m.	360 / 330 r.p.m.	460 / 460 r.p.m.	530 / 530 r.p.m.
	S-LOW-SPEED	- / 250 r.p.m.	- / 250 r.p.m.	- / 300 r.p.m.	- / 300 r.p.m.
OUTDOOR UNIT	DISCRIMINATION	MFE-45ROM	MFE-45ROM	MFE-45ROM	MFE-45ROM
	HIGH-SPEED	Cool 780 / Heat 780 r.p.m.	Cool 850 / Heat 900 r.p.m.	Cool 850 / Heat 900 r.p.m.	Up Fan 850 / Down Fan 750 r.p.m.

## DIMENSIONS

INDOOR UNIT	H x W x D	9-3/4" x 32-3/4" x 32-3/4" inch (246 x 830 x 830 mm)	11-5/8" x 32-3/4" x 32-3/4" inch (296 x 830 x 830 mm)
OUTDOOR UNIT	H x W x D	32-3/4" x 35-1/2" x 13" inch (830 x 900 x 330 mm)	
			50-7/8" x 35-1/2" x 13" inch 1,290 x 900 x 330 mm

## WEIGHT

INDOOR UNIT	GROSS / NET	44 / 34 kg	44 / 34 kg	52 / 37 kg	55 / 40 kg
OUTDOOR UNIT	GROSS / NET	70 / 64 kg	70 / 64 kg	70 / 64 kg	112 / 105 kg

TYPE	COOLING & HEATING			
INDOOR UNIT	AUU18RCLX	AUU24RCLX	AUU36RCLX	AUU42RCLX
OUTDOOR UNIT	AOU18RLX	AOU24RLX	AOU36RLX	AOU42RLX

#### NOISE LEVEL

INDOOR UNIT	HIGH-SPEED	42.0 dB	45.0 dB	48.0 dB	50.0 dB
	MED-SPEED	39.0 dB	43.0 dB	45.0 dB	48.0 dB
	LOW-SPEED	36.0 dB	38.0 dB	41.0 dB	44.0 dB
OUTDOOR UNIT	COOL	51.0 dB	53.0 dB	54.0 dB	55.0 dB
	HEAT	53.0 dB	55.0 dB	55.0 dB	56.0 dB

#### REFRIGERANT CHARGE (R410A)

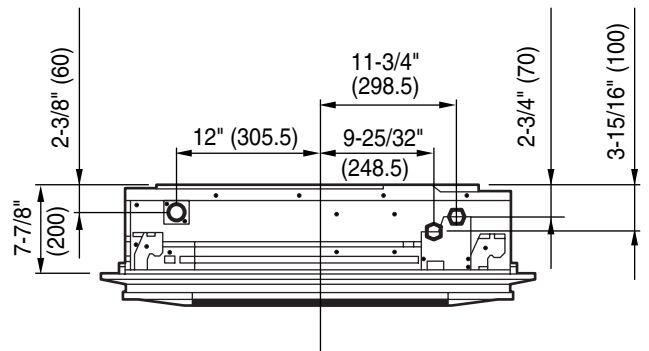
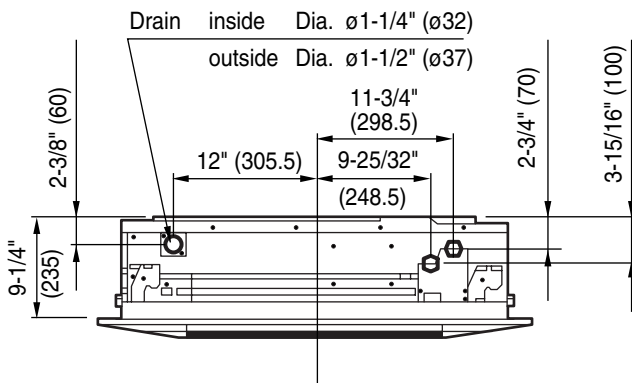
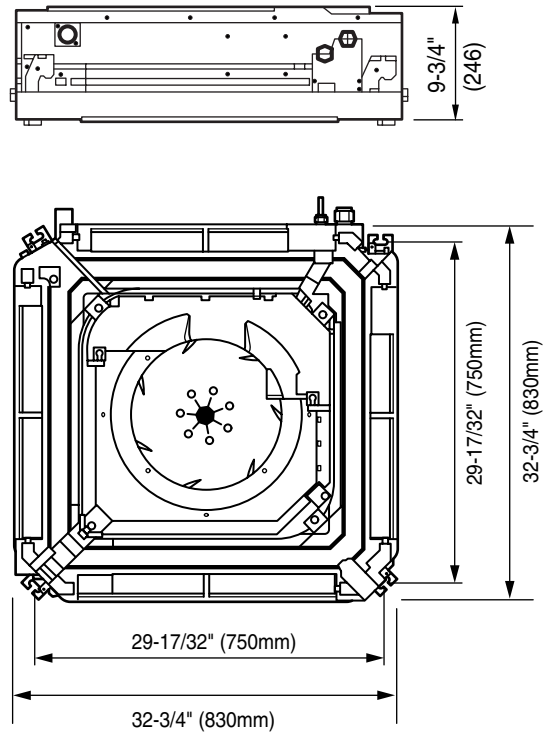
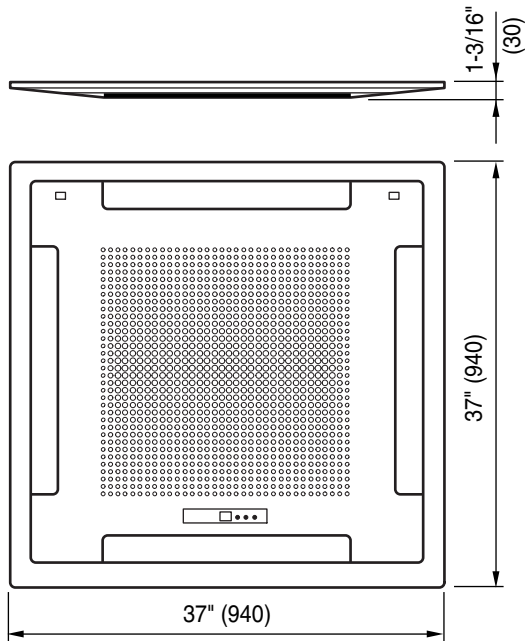
MAX PIPE LENGTH		50 m	50 m	50 m	70 m	
MAX PIPE HEIGHT		30 m	30 m	30 m	30 m	
FULL CHARGE AMOUNT	Pipe Length	49 ft. (15 m)	4 lb 3 oz (1,900 g)	4 lb 3 oz (1,900 g)	4 lb 14 oz (2,200 g)	7 lb 8 oz (3,400 g)
		66 ft. (20 m)	4 lb 7 oz (2,000 g)	4 lb 10 oz (2,100 g)	5 lb 5 oz (2,400 g)	7 lb 8 oz (3,400 g)
		98 ft. (30 m)	4 lb 14 oz (2,200 g)	5 lb 8 oz (2,500 g)	6 lb 3 oz (2,800 g)	8 lb 6 oz (3,800 g)
		131 ft. (40 m)	5 lb 5 oz (2,400 g)	6 lb 6 oz (2,900 g)	7 lb 1 oz (3,200 g)	9 lb 4 oz (4,200 g)
		164 ft. (50 m)	5 lb 12 oz (2,600 g)	7 lb 5 oz (3,300 g)	7 lb 15 oz (3,600 g)	10 lb 2 oz (4,600 g)
		197 ft. (60 m)	----	----	---	11 lb 0 oz (5,000 g)
		230 ft. (70 m)	----	----	---	11 lb 14 oz (5,400 g)
ADDITIONAL REFRIGERANT		0.212 oz / ft. (20 g / m)	0.424 oz / ft. (40 g / m)			

# DIMENSIONS

## INDOOR UNIT

Models :  
 AUU18RCLX, AUU24RCLX

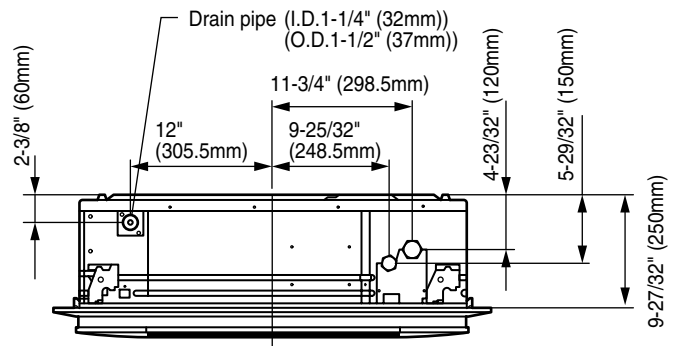
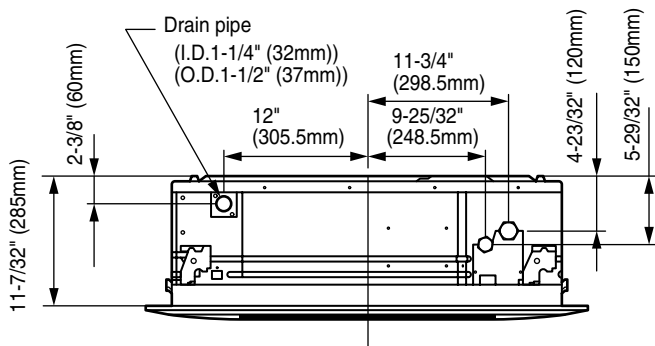
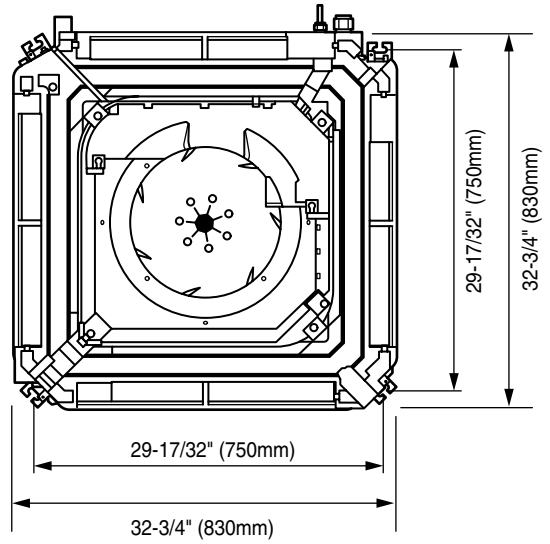
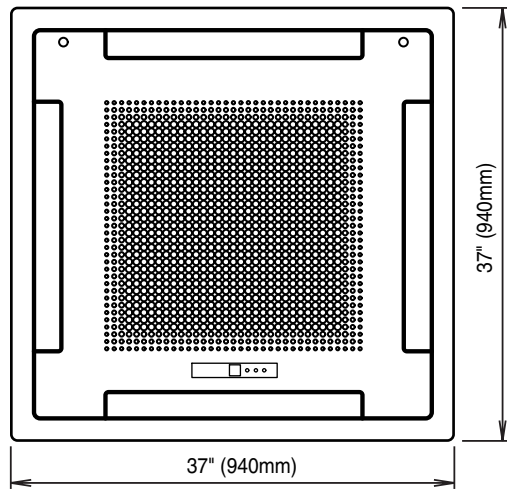
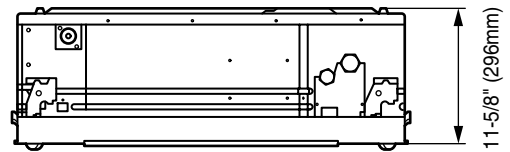
Unit : inch (mm)



# INDOOR UNIT

Models :  
 AUU36RCLX, AUU42RCLX

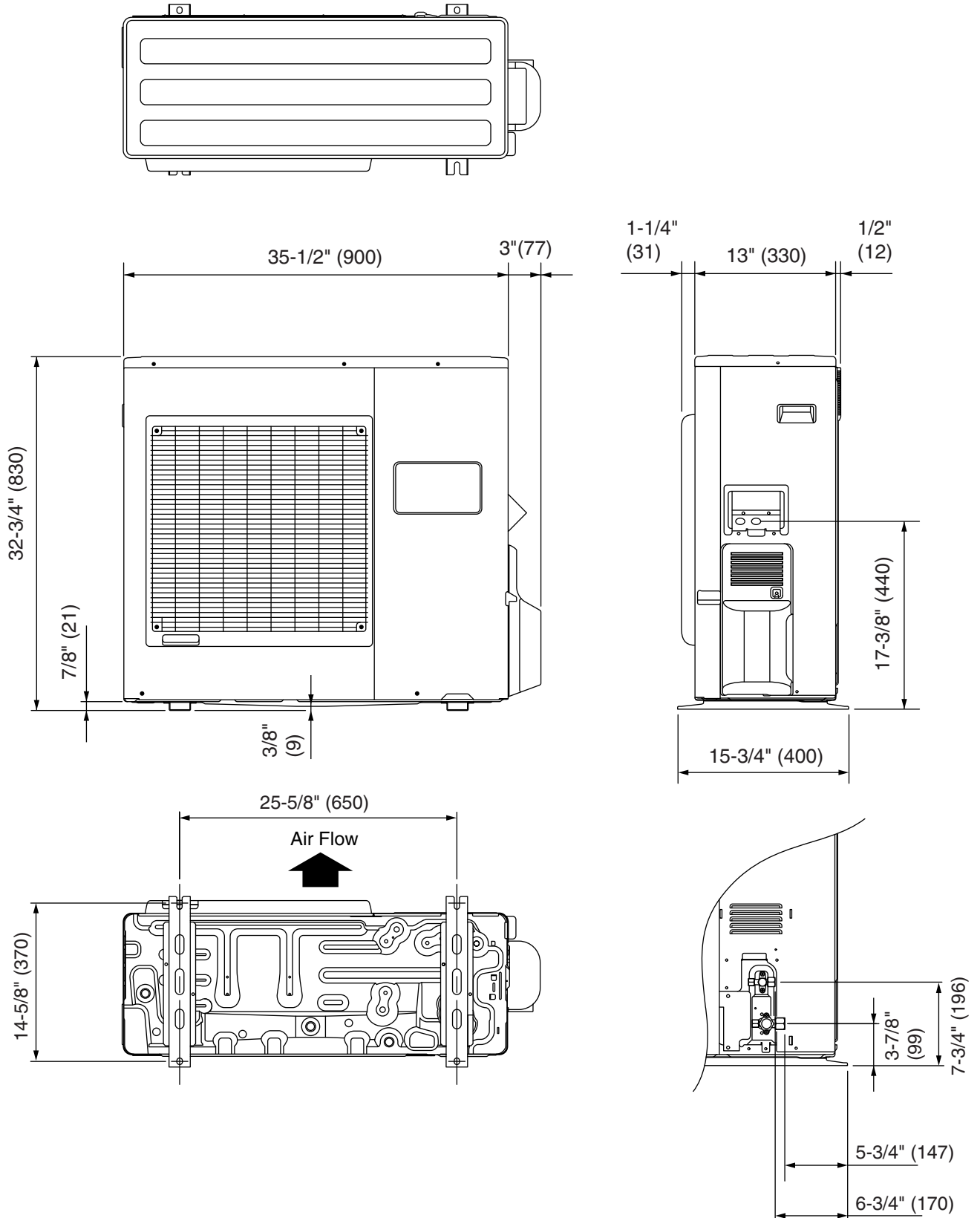
Unit : inch (mm)



# OUTDOOR UNIT

Models:  
 AOU18RLX, AOU24RLX, AOU36RLX

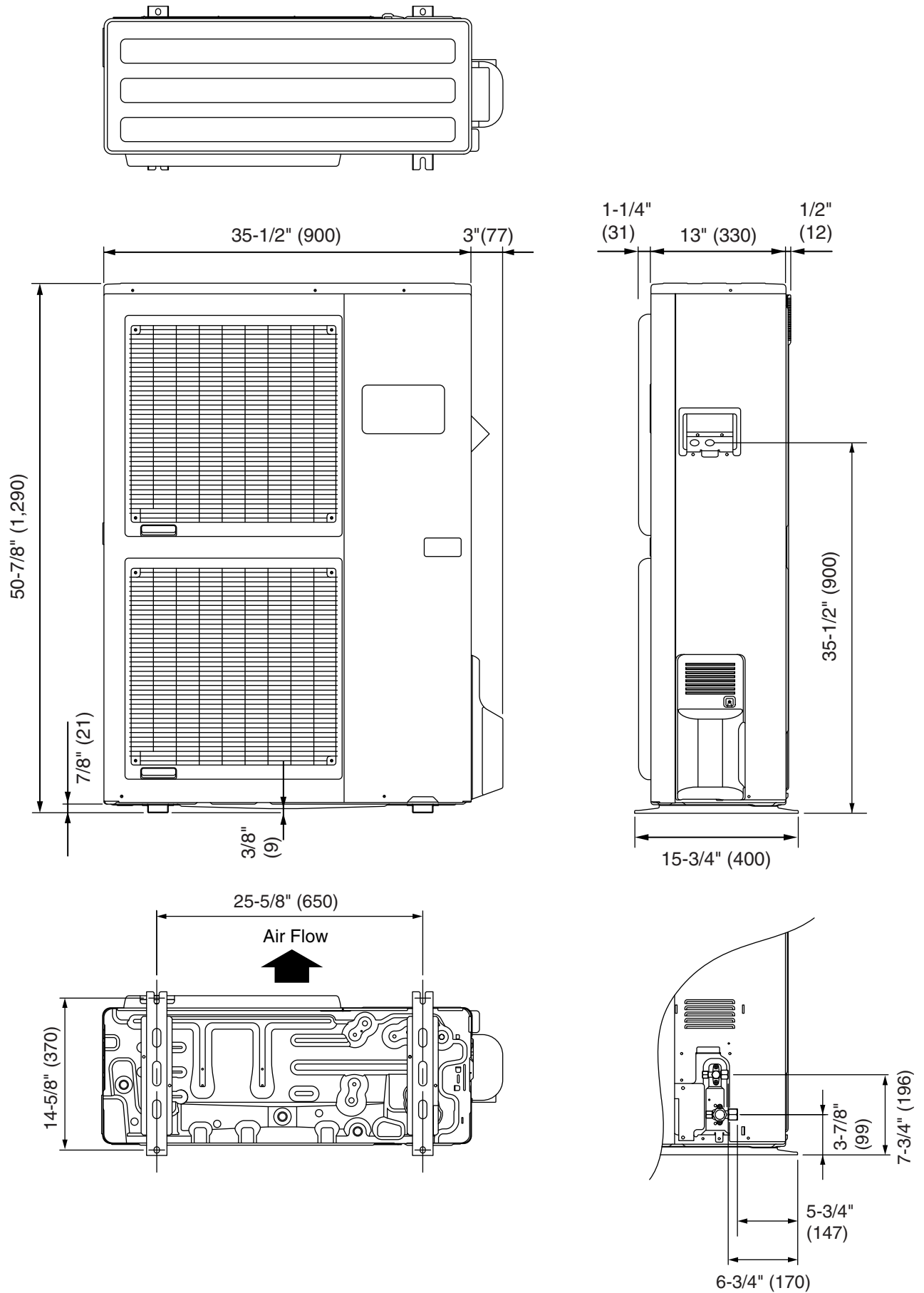
Unit : inch (mm)



# OUTDOOR UNIT

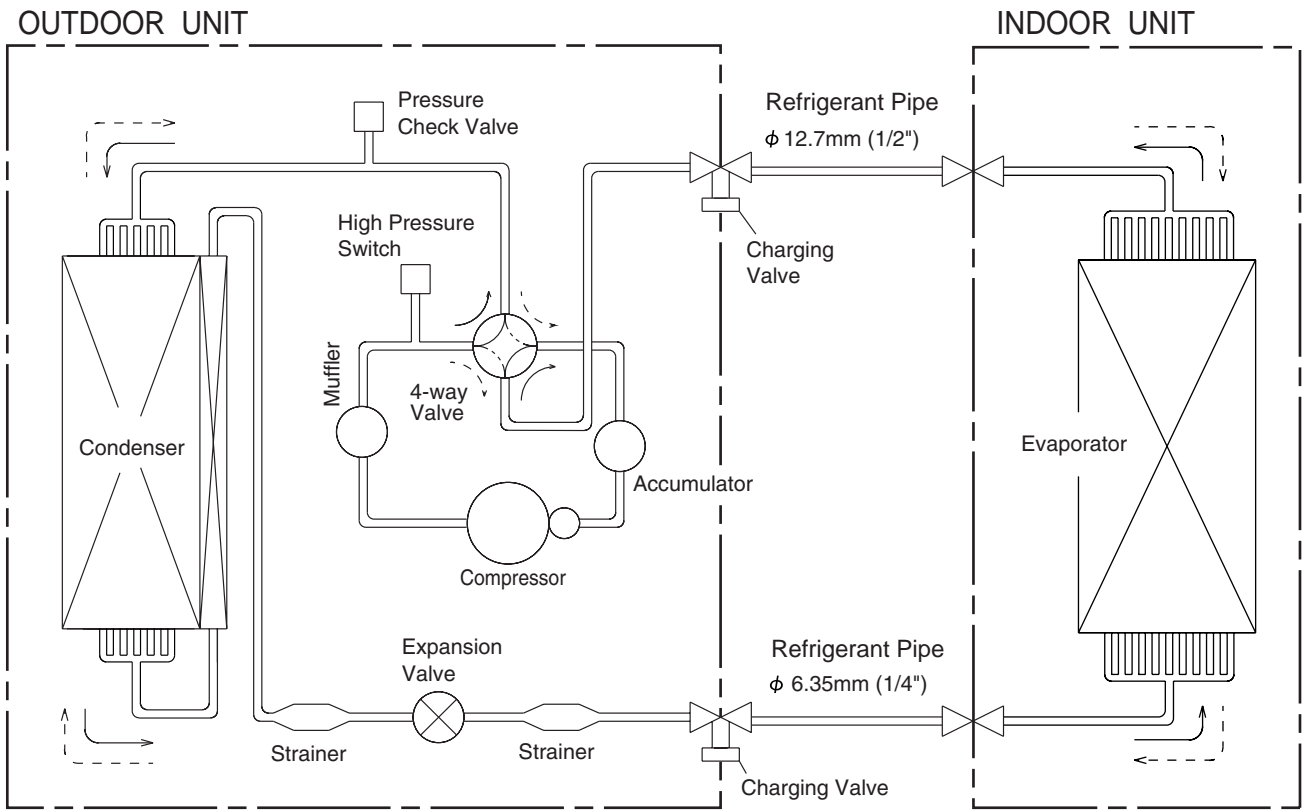
Model : AOU42RLX

Unit : inch (mm)



# REFRIGERANT SYSTEM DIAGRAM

Models :  
 AUU18RCLX / AOU18RLX

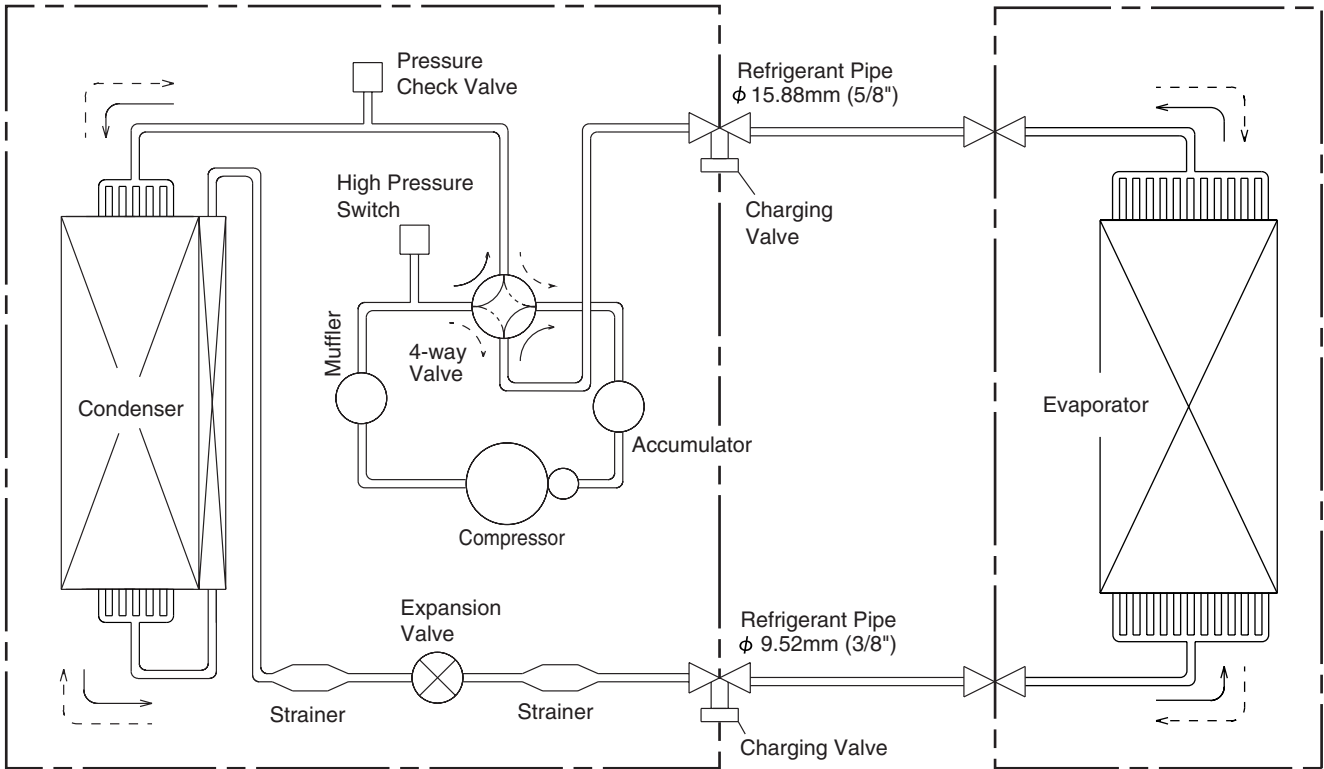


→ : COOL  
 ---> : HEAT

Models :  
 AUU24RCLX / AOU24RLX  
 AUU36RCLX / AOU36RLX

OUTDOOR UNIT

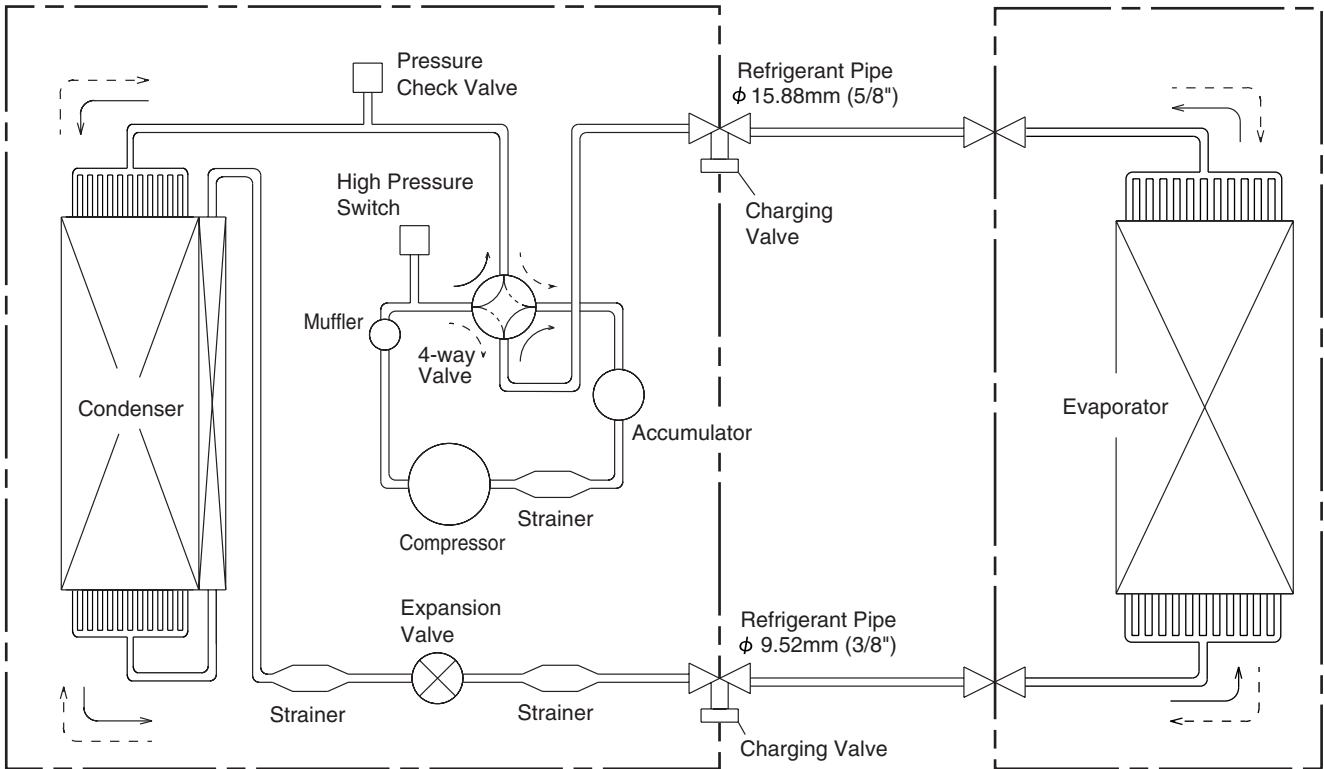
INDOOR UNIT



Models : AUU42RCLX / AOU42RLX

OUTDOOR UNIT

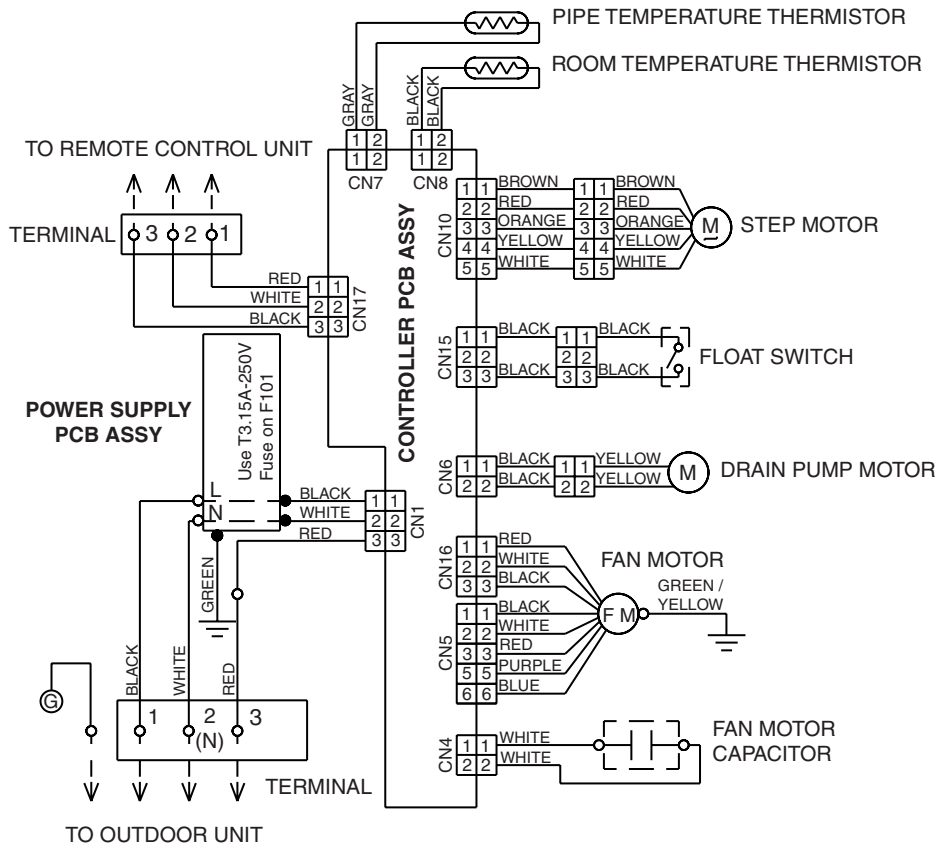
INDOOR UNIT



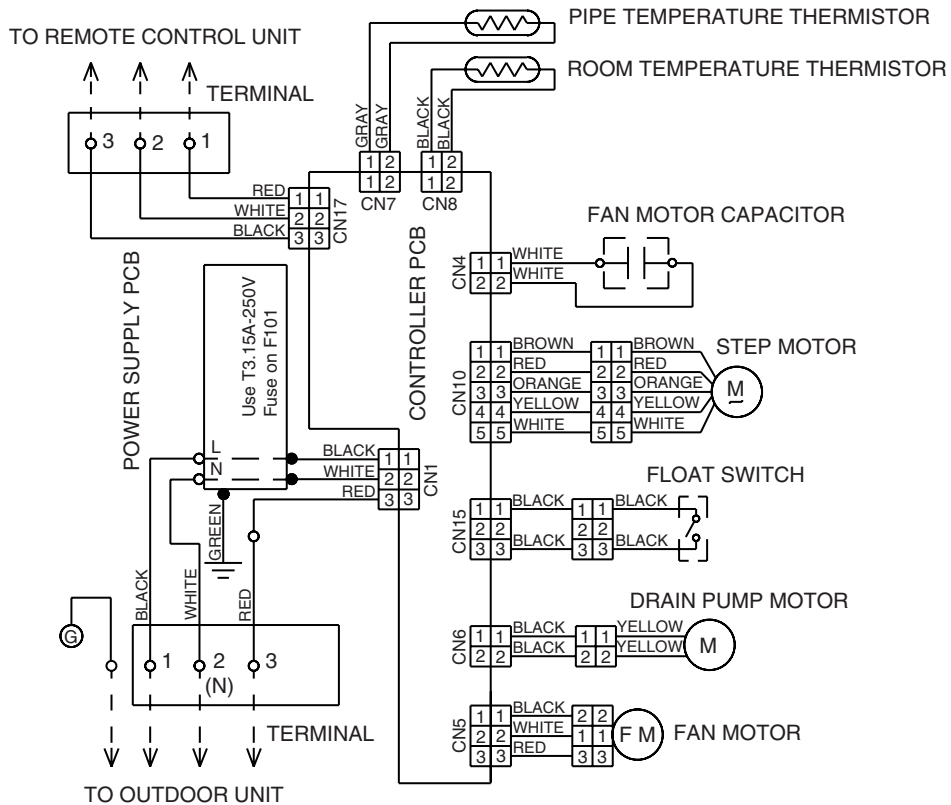
→ : COOL  
 - - - : HEAT

# CIRCUIT DIAGRAM

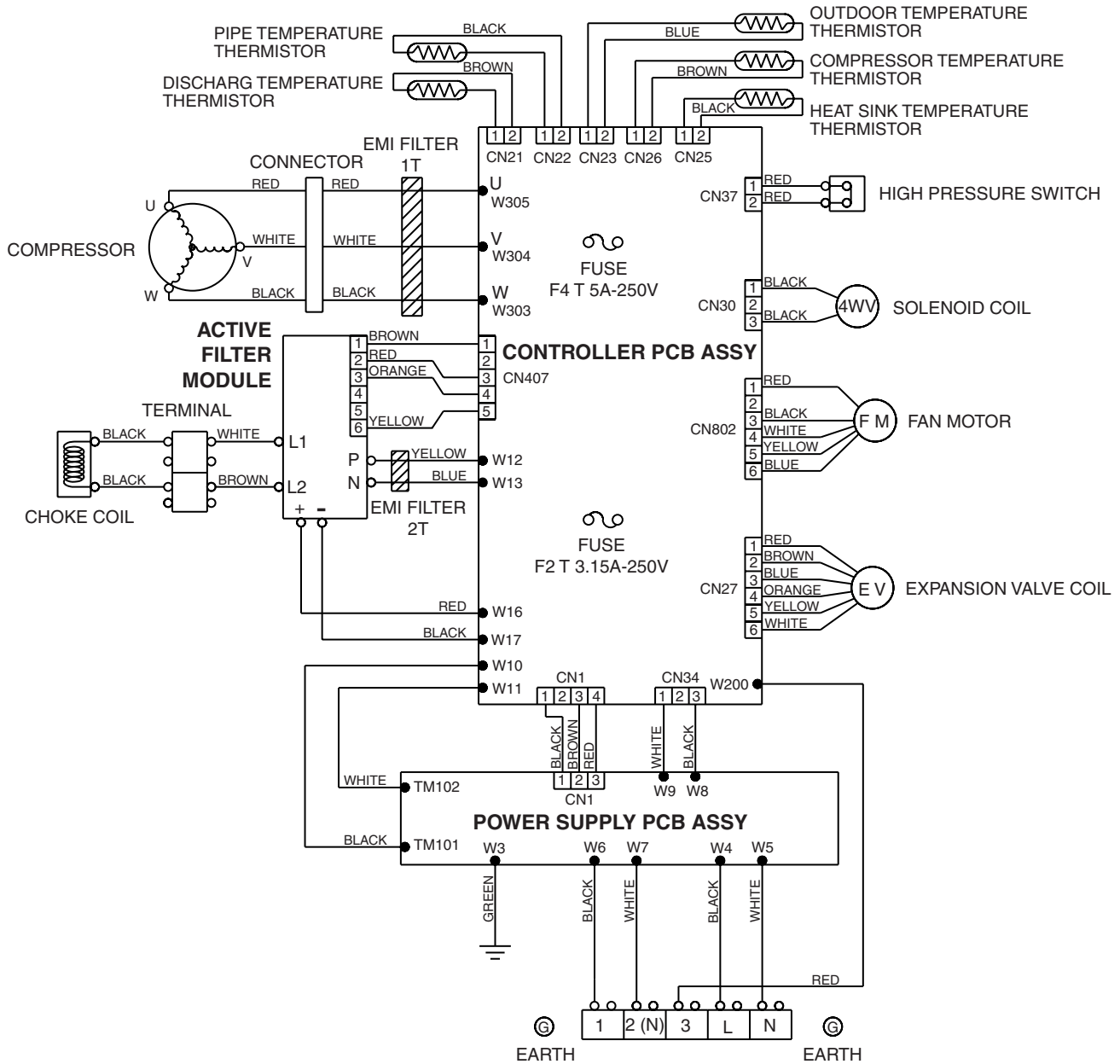
Models :  
 AUU18RCLX, AUU24RCLX



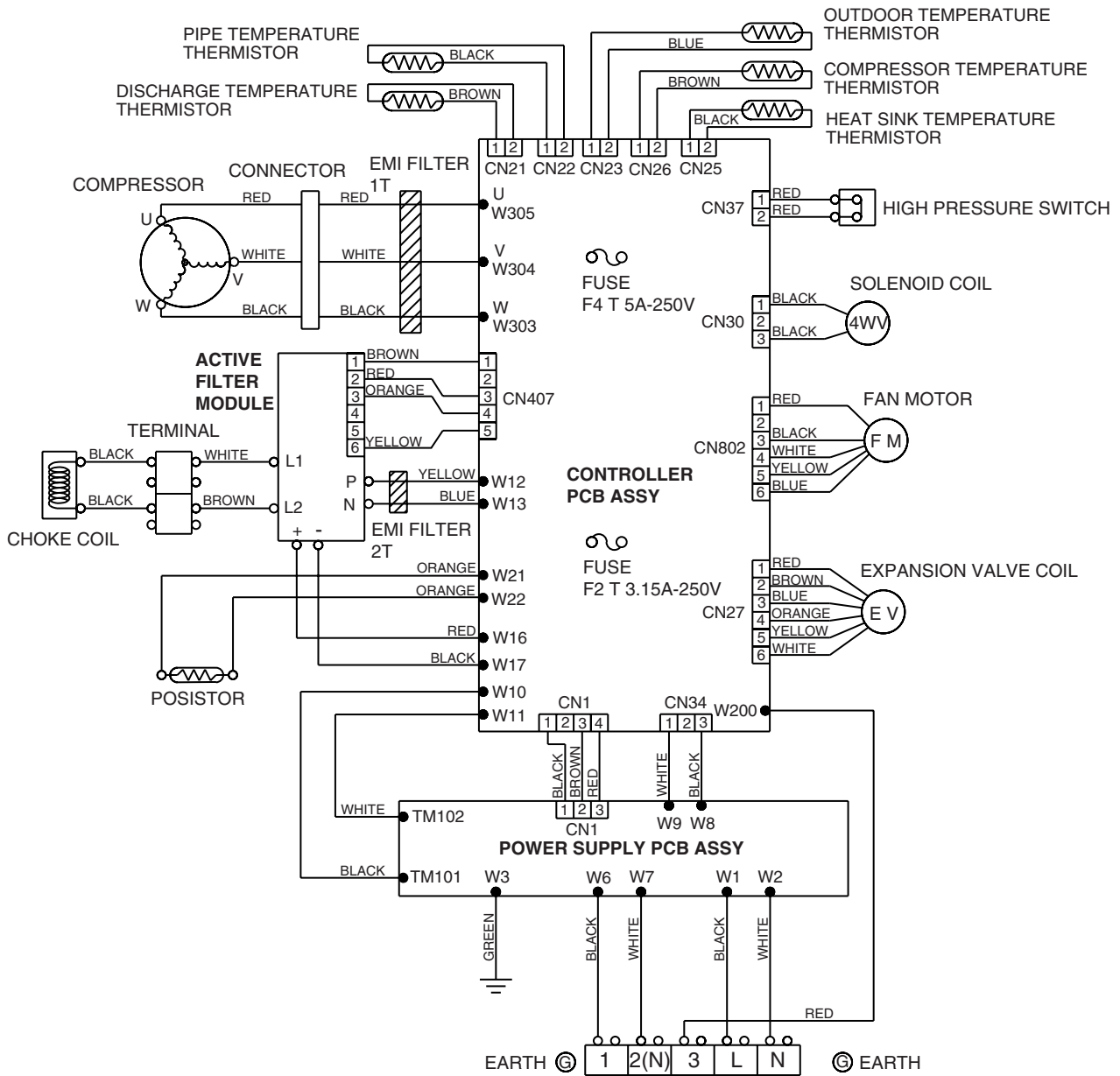
Models :  
 AUU36RCLX, AUU42RCLX



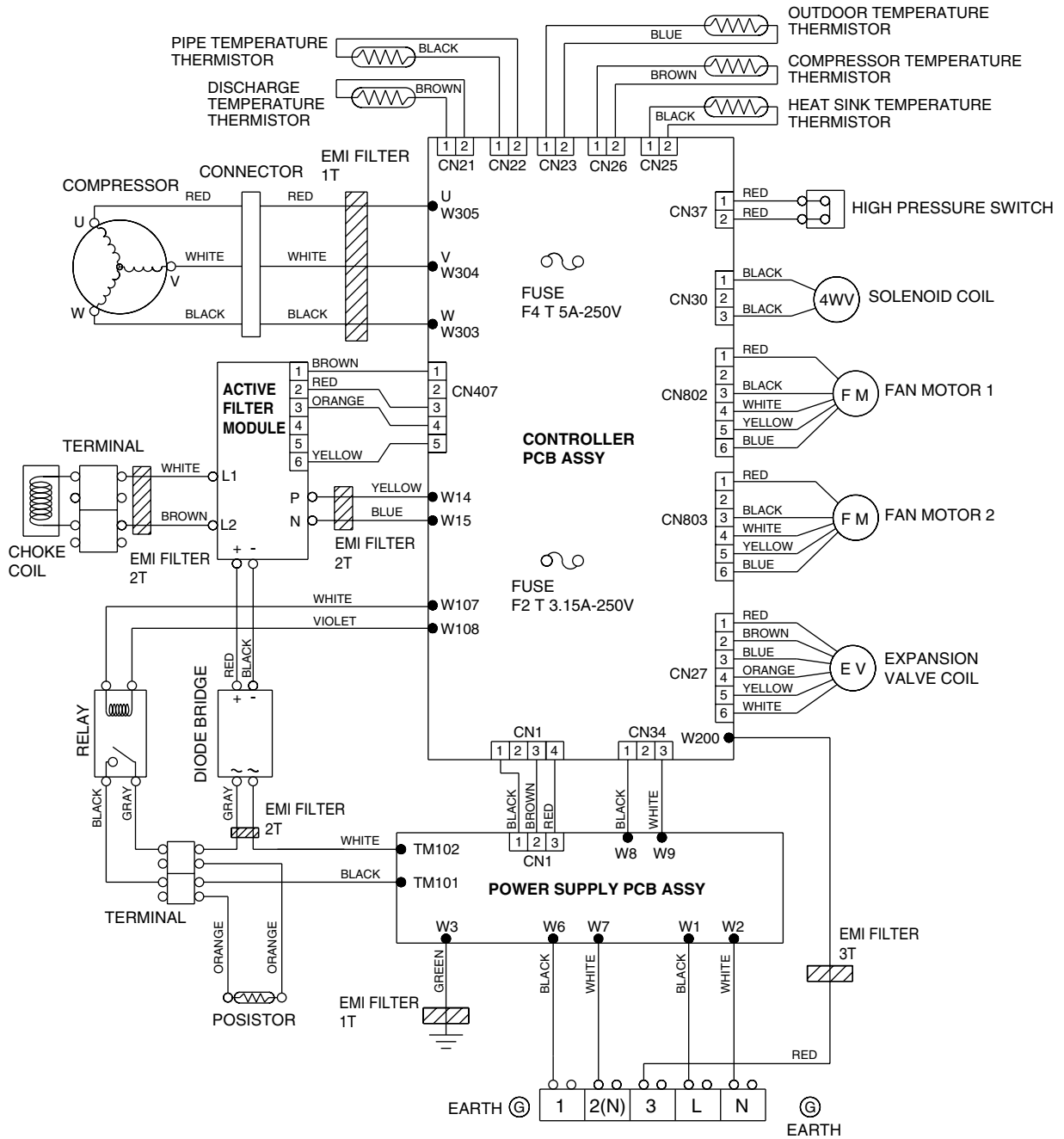
Model :  
 AOU18RLX, AOU24RLX



Model : AOU36RLX



Model : AOU42RLX



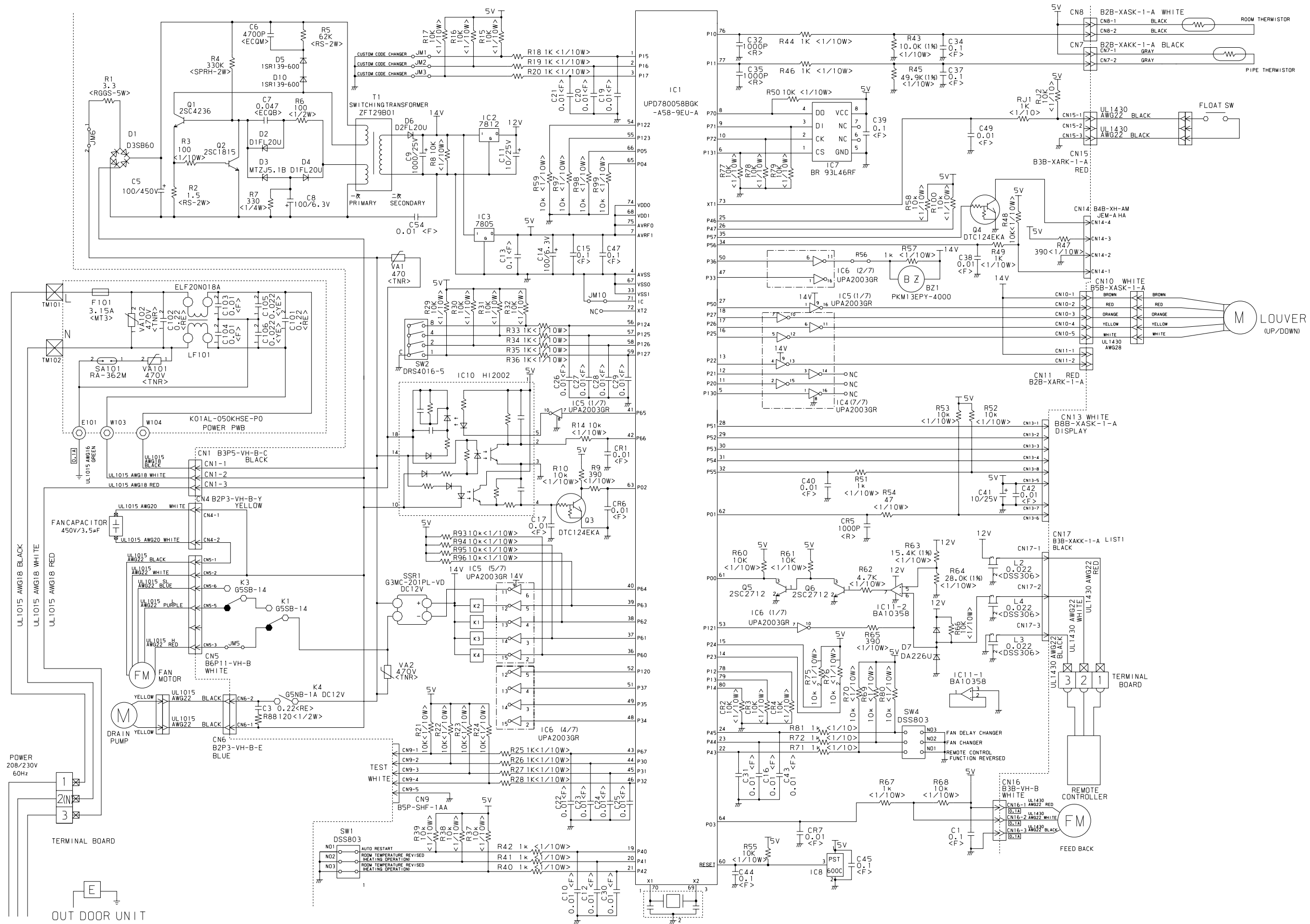
# INDOOR PCB CIRCUIT DIAGRAM

Models : AUU18RCLX  
AUU24RCLX

## CONTROLLER PCB ASSEMBLY ( MAIN PCB )

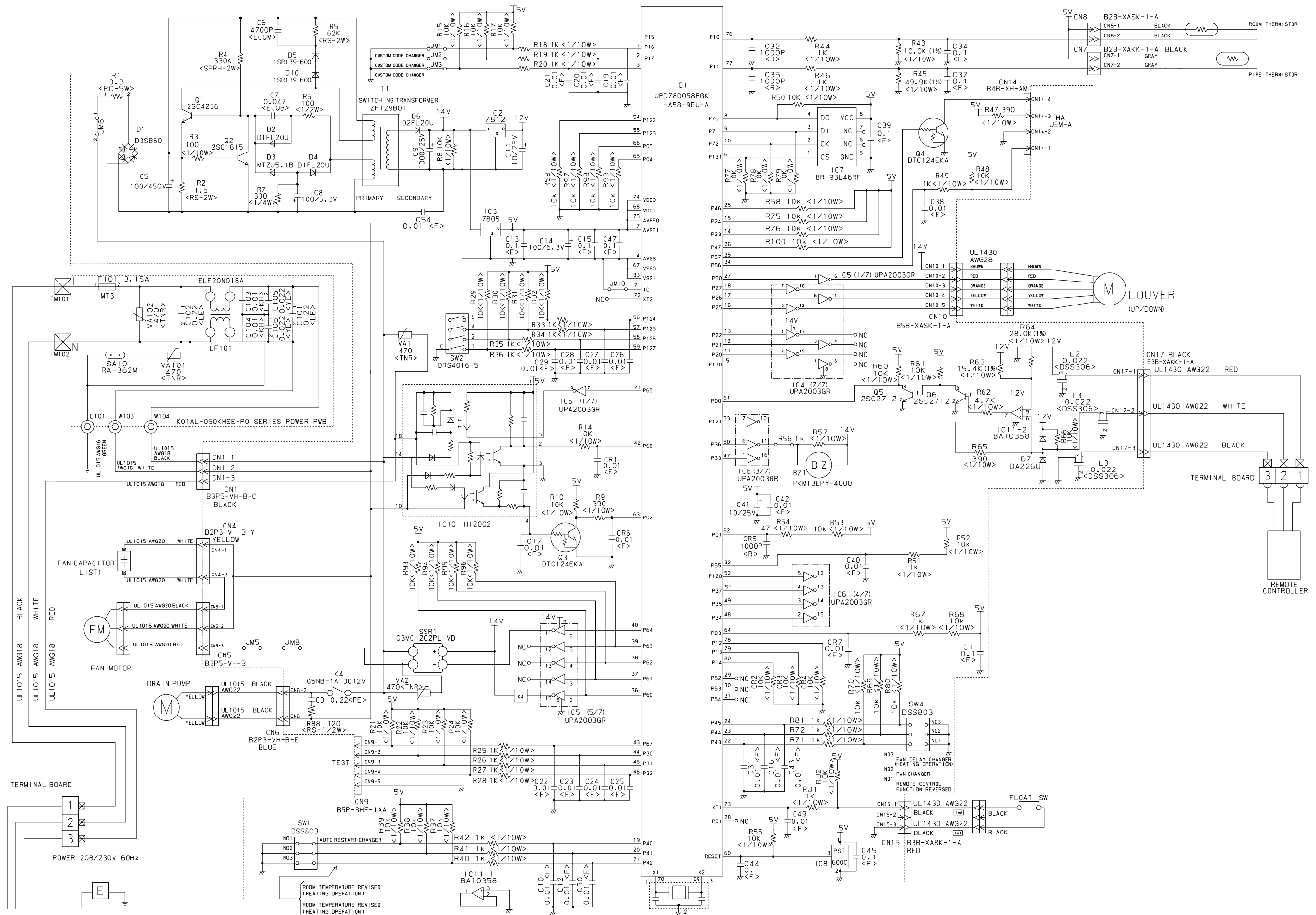
AUU18RCLX : K01AL-050KHSE-C1

AUU24RCLX : K01AL-050LHSE-C1



Models : AUU36RCLX  
 AUU42RCLX

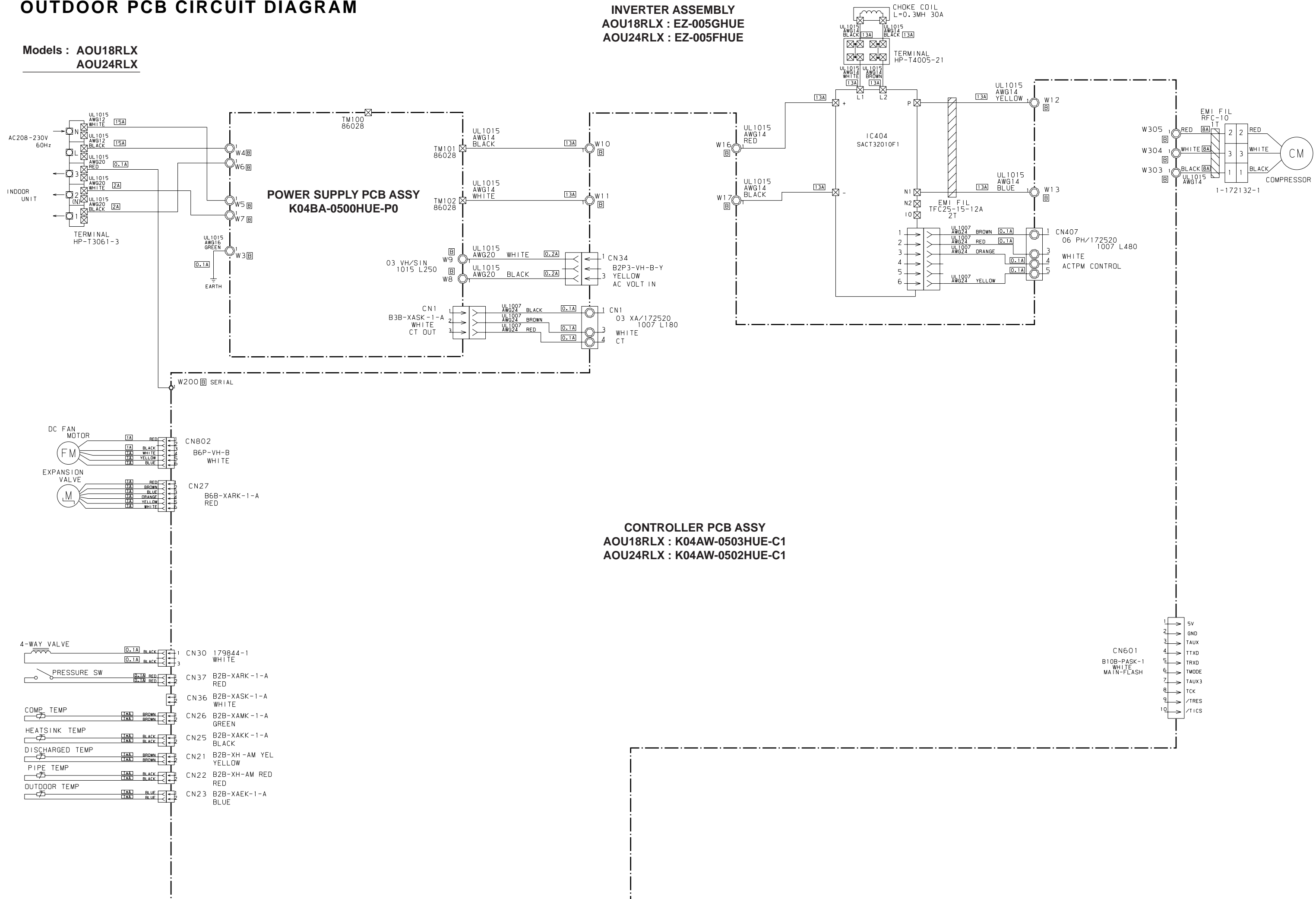
CONTROLLER PCB ASSEMBLY ( MAIN PCB )  
 AUU36RCLX : K01AL-050MHSE-C1  
 AUU42RCLX : K01AL-050NHSE-C1



# OUTDOOR PCB CIRCUIT DIAGRAM

Models : AOU18RLX  
AOU24RLX

INVERTER ASSEMBLY  
AOU18RLX : EZ-005GHUE  
AOU24RLX : EZ-005FHUE

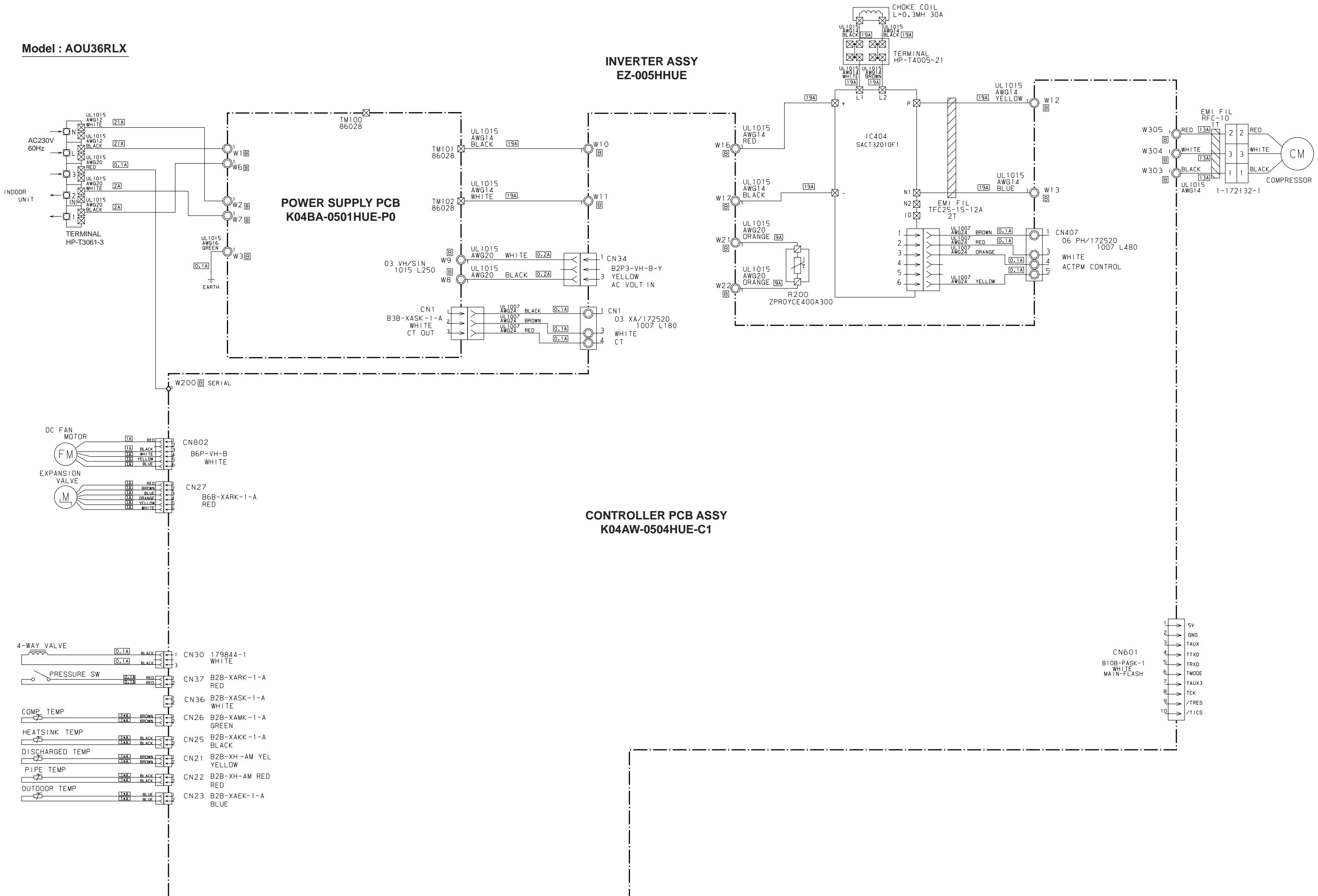


Model : AOU36RLX

INVERTER ASSY  
EZ-005HHUE

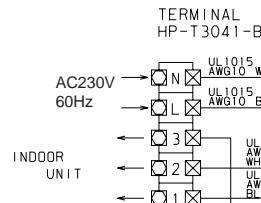
POWER SUPPLY PCB  
K04BA-0501HUE-P0

CONTROLLER PCB ASSY  
K04AW-0504HUE-C1



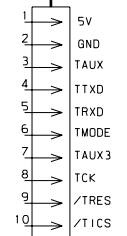
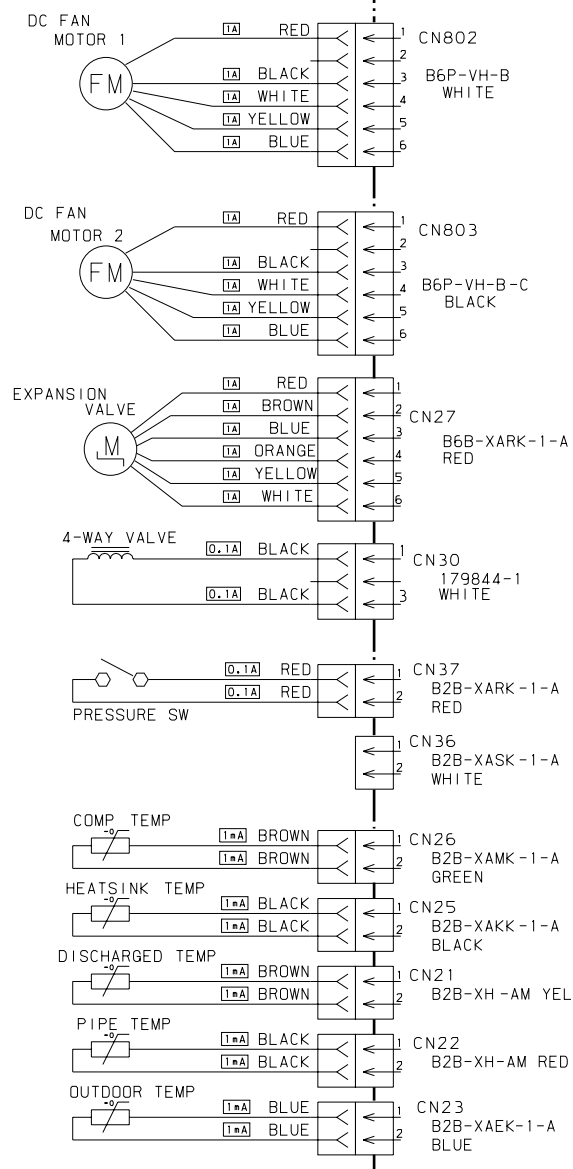
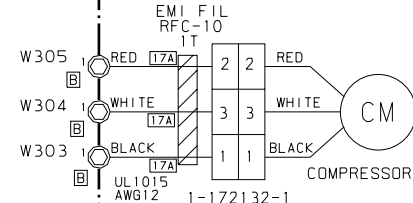
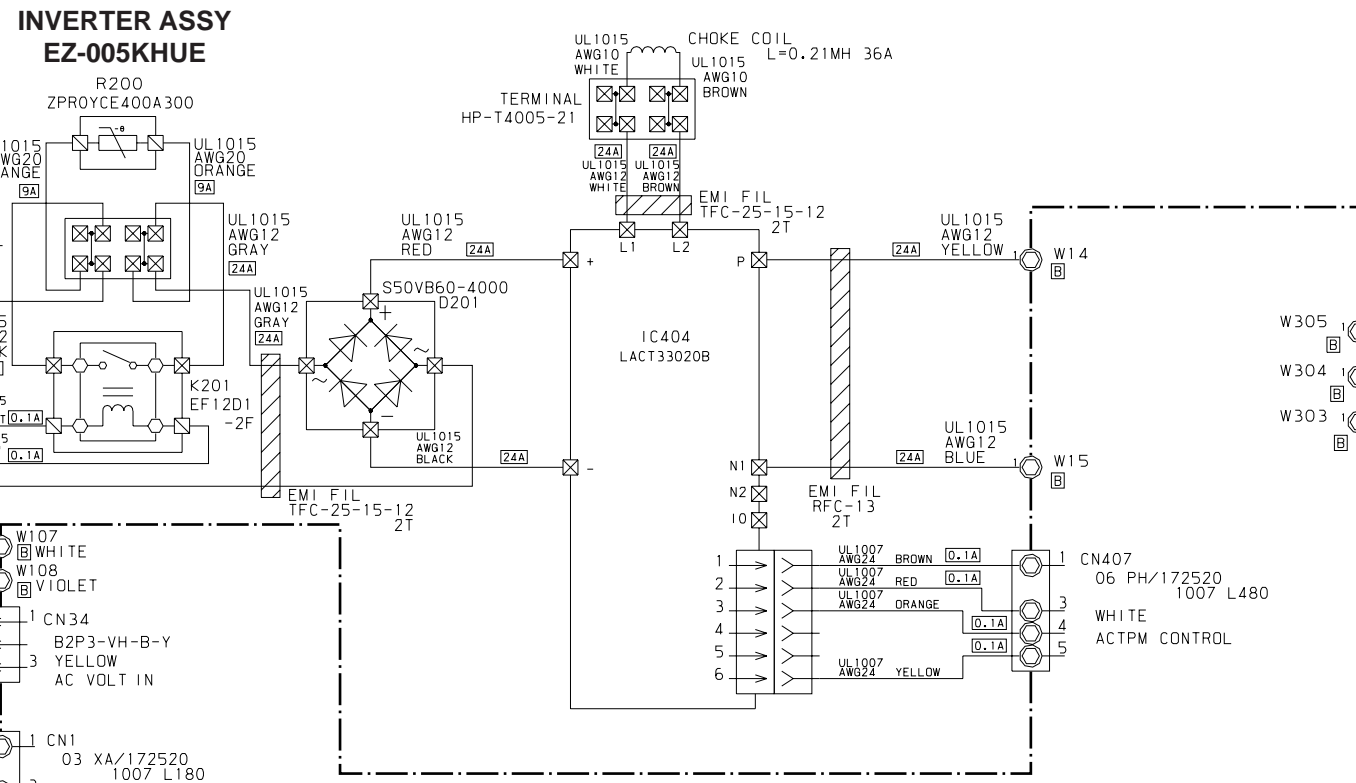
Model : AOU42RLX

**INVERTER ASSY  
EZ-005KHUE**

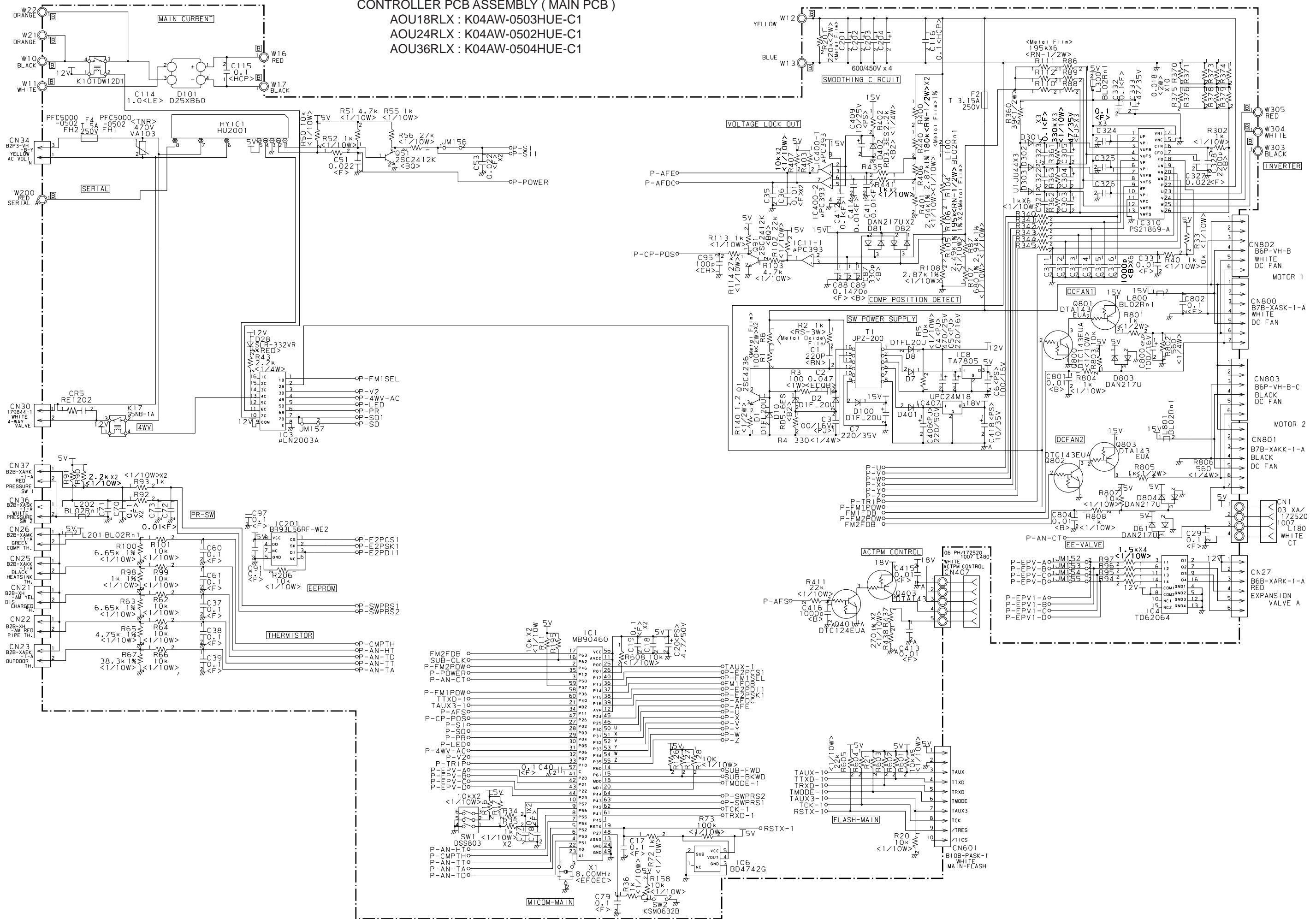


**POWER SUPPLY PCB  
K04BA-0502HUE-P0**

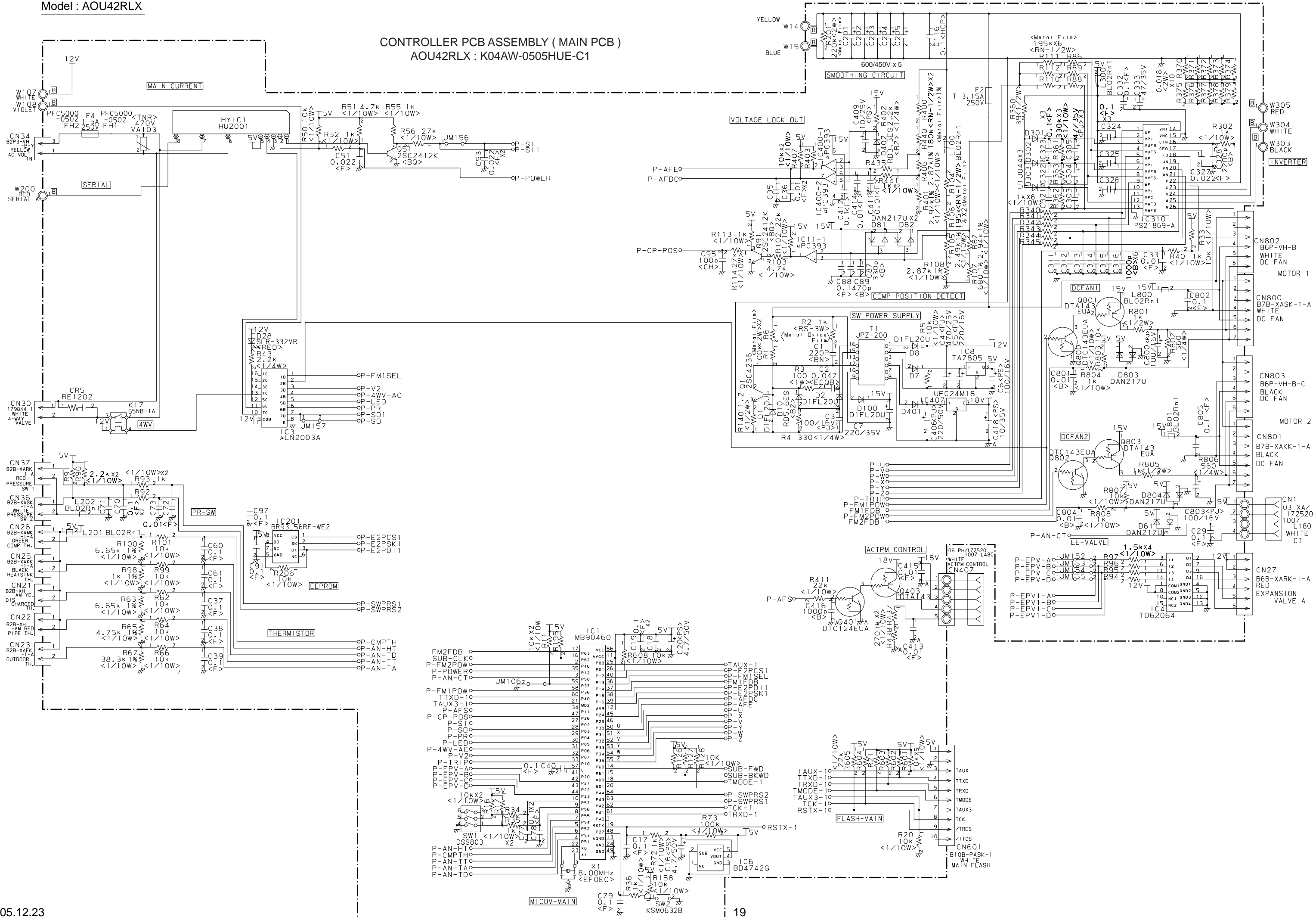
**CONTROLLER PCB ASSY  
K04AW-0505HUE-C1**



CONTROLLER PCB ASSEMBLY ( MAIN PCB )  
 AOU18RLX : K04AW-0503HUE-C1  
 AOU24RLX : K04AW-0502HUE-C1  
 AOU36RLX : K04AW-0504HUE-C1

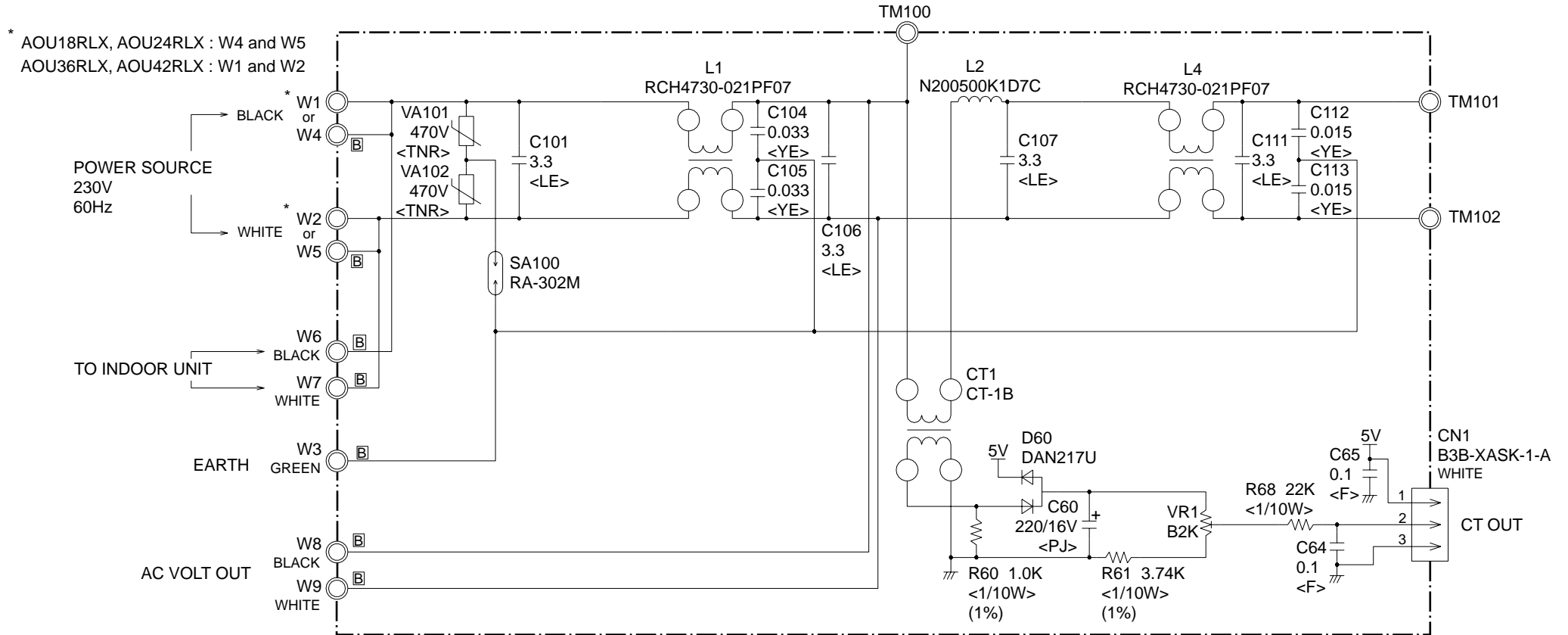


CONTROLLER PCB ASSEMBLY ( MAIN PCB )  
AOU42RLX : K04AW-0505HUE-C1



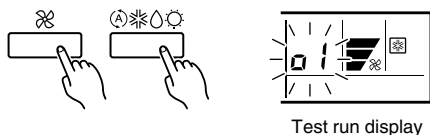
Models : AOU18RLX, AOU24RLX  
 AOU36RLX, AOU42RLX

POWER SUPPLY PCB ASSEMBLY  
 AOU18RLX, 24RLX : K04BA-0500HUE-P0  
 AOU36RLX, 42RLX : K04BA-0501HUE-P0



# ERROR CONTENTS (indoor unit)

- (1) Stop the air conditioner operation.
- (2) Press the master control button and the fan control button simultaneously for 2 seconds or more to start the test run.



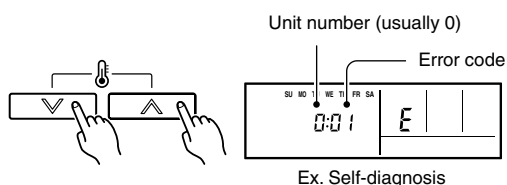
- (3) Press the start/stop button to stop the test run.

## [SELF-DIAGNOSIS]

When the error indication "E:EE" is displayed, follow the following items to perform the self-diagnosis. "E:EE" indicates an error has occurred.

### 1. REMOTE CONTROLLER DISPLAY

- (1) Stop the air conditioner operation.
- (2) Press the set temperature buttons  $\wedge / \vee$  simultaneously for 5 seconds or more to start the self-diagnosis.  
Refer to the following tables for the description of each error code.



- (3) Press the set temperature buttons  $\wedge / \vee$  simultaneously for 5 seconds or more to stop the self-diagnosis.

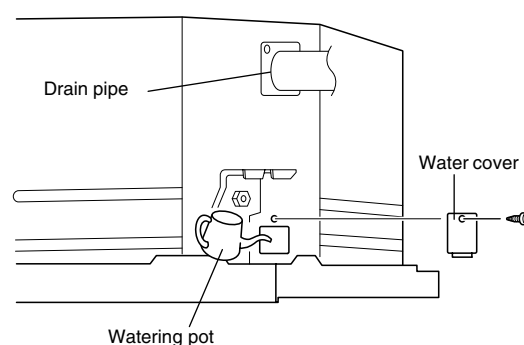
Error code	Error contents
00	Communication error (indoor unit $\leftrightarrow$ remote controller)
01	Communication error (indoor unit $\leftrightarrow$ outdoor unit)
02	Room temperature sensor open
03	Room temperature sensor short-circuited
04	Indoor heat exchanger temperature sensor open
05	Indoor heat exchanger temperature sensor short-circuited
06	Outdoor heat exchanger temperature sensor
08	Power source connection error
09	Float switch operated
0A	Outdoor temperature sensor
0c	Discharge pipe temperature sensor
11	Model abnormal
12	Indoor fan abnormal

Error code	Error contents
13	Outdoor signal abnormal
14	Excessive outdoor pressure (permanent stop)
15	Compressor temperature sensor
16	Pressure switch error
17	IPM error
18	CT error
19	Active filter module (AFM) error
1A	Compressor does not operate
1b	Outdoor unit fan error
1c	Communication error (inverter $\leftrightarrow$ multicontroller)
1d	2 way valve sensor error
1E	Expansion valve error
1F	Connection indoor unit error

### 2. CHECKING DRAINAGE

To check the drain, remove the water cover and fill with 2 to 3 of water as shown in figure.

The drain pump operates when operating in the cooling mode.



# ERROR CONTENTS (outdoor unit)

1. Make a TEST RUN in accordance with the installation instruction sheet for the indoor unit.

## 2. OUTDOOR UNIT LEDS

When a malfunction occurs in the outdoor unit, the LED on the circuit board lights to indicate the error. Refer to the following table for the description of each error according to the LED.

LED	Error contents
1 flash	Communication error (Indoor unit - Outdoor unit)
2 flash	Discharg pipe temperature sensor
3 flash	Outdoor heat exchanger temperature sensor
4 flash	Outdoor temperature sensor
7 flash	Compressor temperature sensor
8 flash	Heat sink temperature sensor
9 flash	Pressure switch abnormal
12 flash	IPM error
13 flash	Compressor rotor position cannot detect
14 flash	Compressor cannot operate
15 flash	Outdoor fan abnormal (upper fan)
16 flash	Outdoor fan abnormal (lower fan)
lighting	No error

## SPECIAL INSTALLATION SETTING

### PUMP DOWN (Refrigerant collecting operation)

Perform the following procedures to collect the refrigerant when moving the indoor unit or the outdoor unit.

#### 1. When the product is stopped:

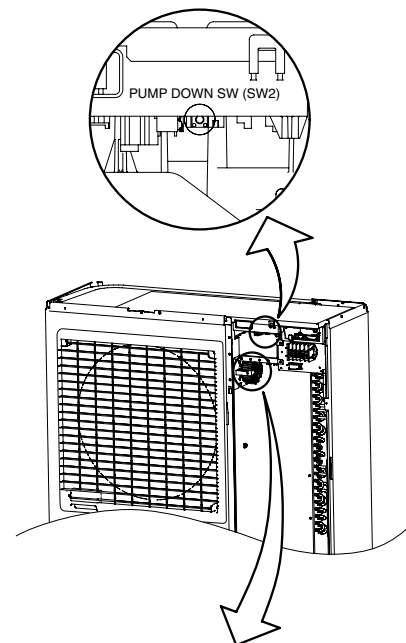
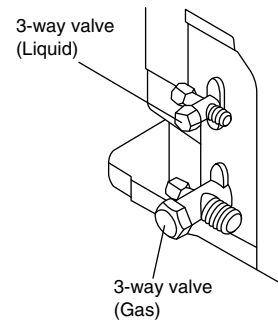
①	Press the PUMP DOWN switch on the outdoor unit. (The LED on the outdoor unit circuit board lights.)
②	The pump down operation (cooling operation) begins right away. After operation starts, close the three-way valve (liquid).
③	After 2 - 3 minutes, operation stops. Close the three-way valve (gas) within one minute after operations stops.
④	The LED will go out three minutes after it stops. Disconnect the power supply after confirming that the LED has gone out.

#### 2. When the product is operating:

①	Press the PUMP DOWN switch on the outdoor unit. The LED on the outdoor unit circuit board lights, and operation stops. At this point, recovery has not been completed, so do not close the two- and three-way valves.
②	The pump down operation (cooling operation) begins after three minutes. Close the three-way valve (liquid) after operation starts.
③	After 2 - 3 minutes, operation stops. Close the three-way valve (gas) within one minute after operations stops.
④	The LED will go out three minutes after it stops. Disconnect the power supply after confirming that the LED has gone out.

\*When the pump down operation is repeated, temporarily disconnect the power supply after opening the closed valves (both liquid and gas). Reconnect the power supply after 2 - 3 minutes and perform the pump down operation.

\*When the start of the operation after pump down operation has been completed, temporarily disconnect the power supply after opening the closed valves (both liquid and gas). Reconnect the power supply after 2-3 minutes and be sure to perform a test operation for cooling.

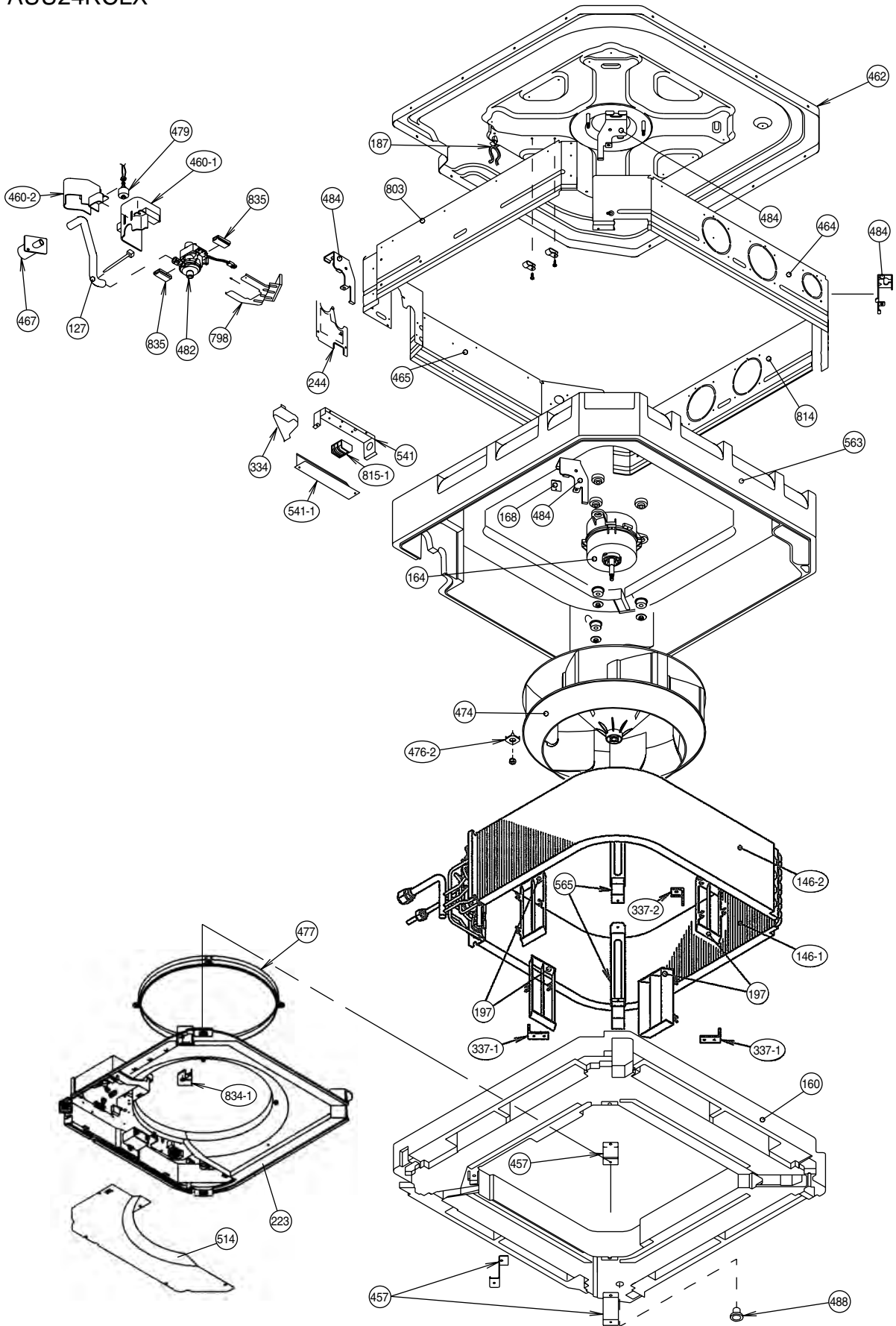


**⚠ DANGER**

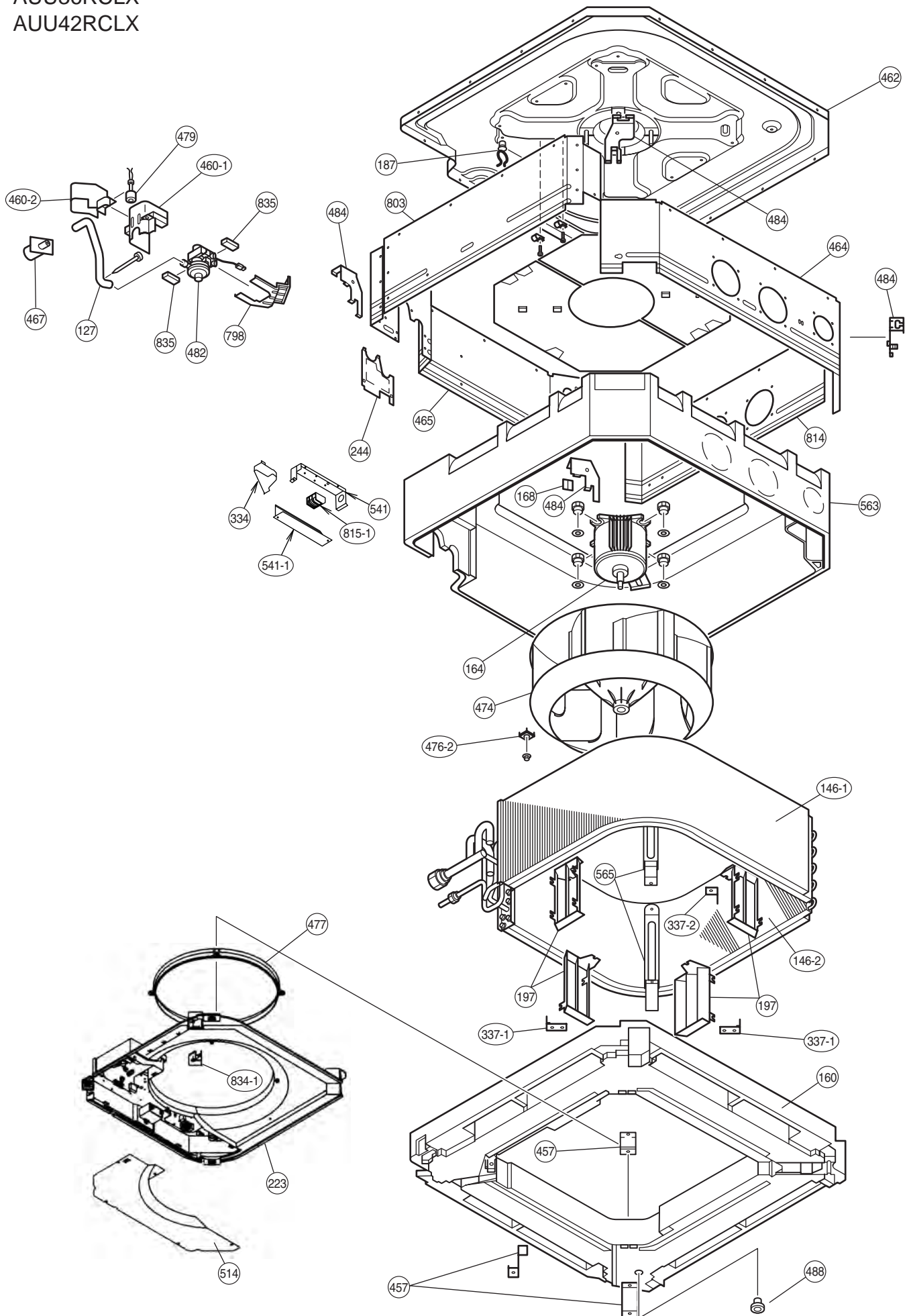
This part (Choke coil) generates high voltages. Never touch this part.



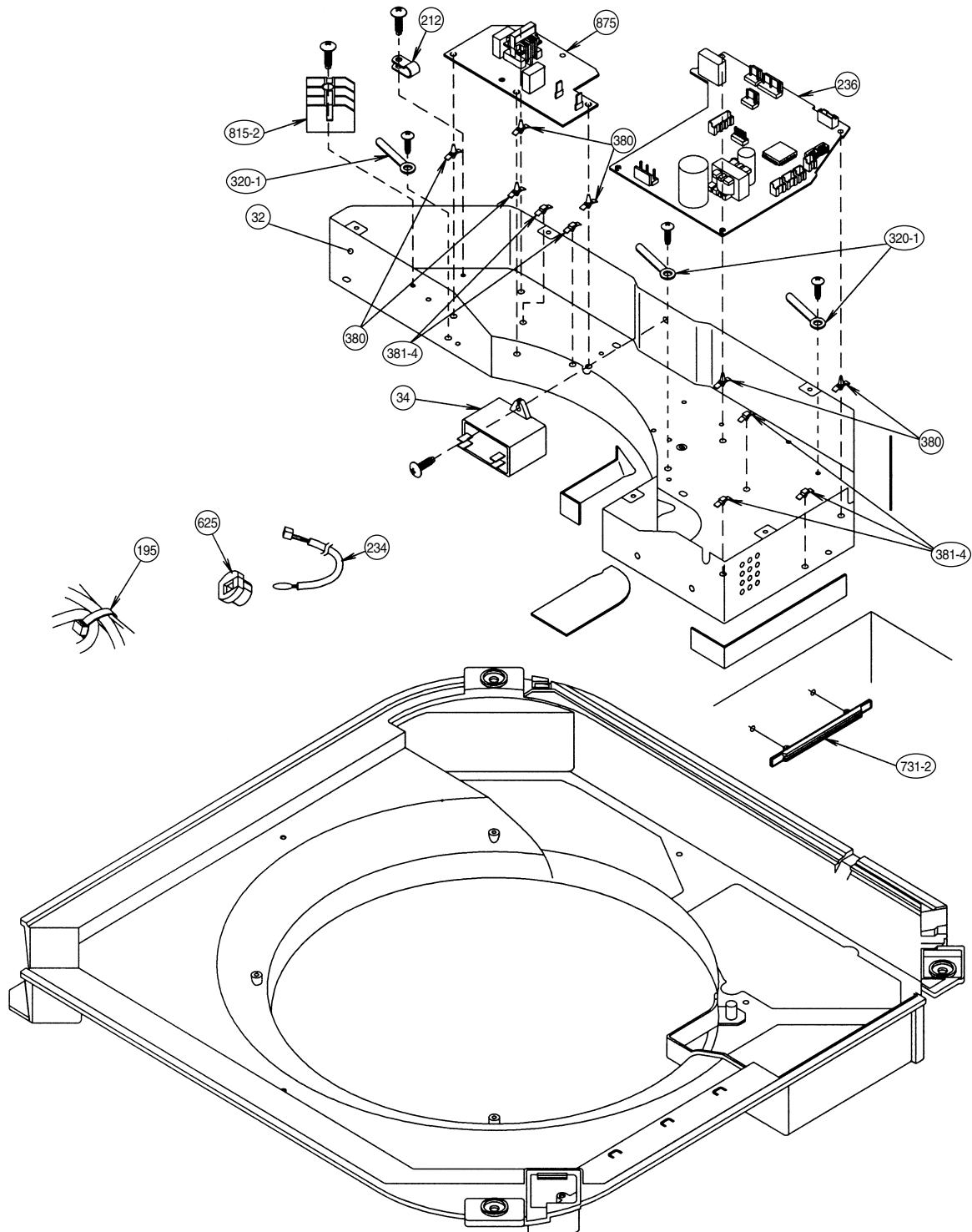
Models :  
AUU18RCLX  
AUU24RCLX



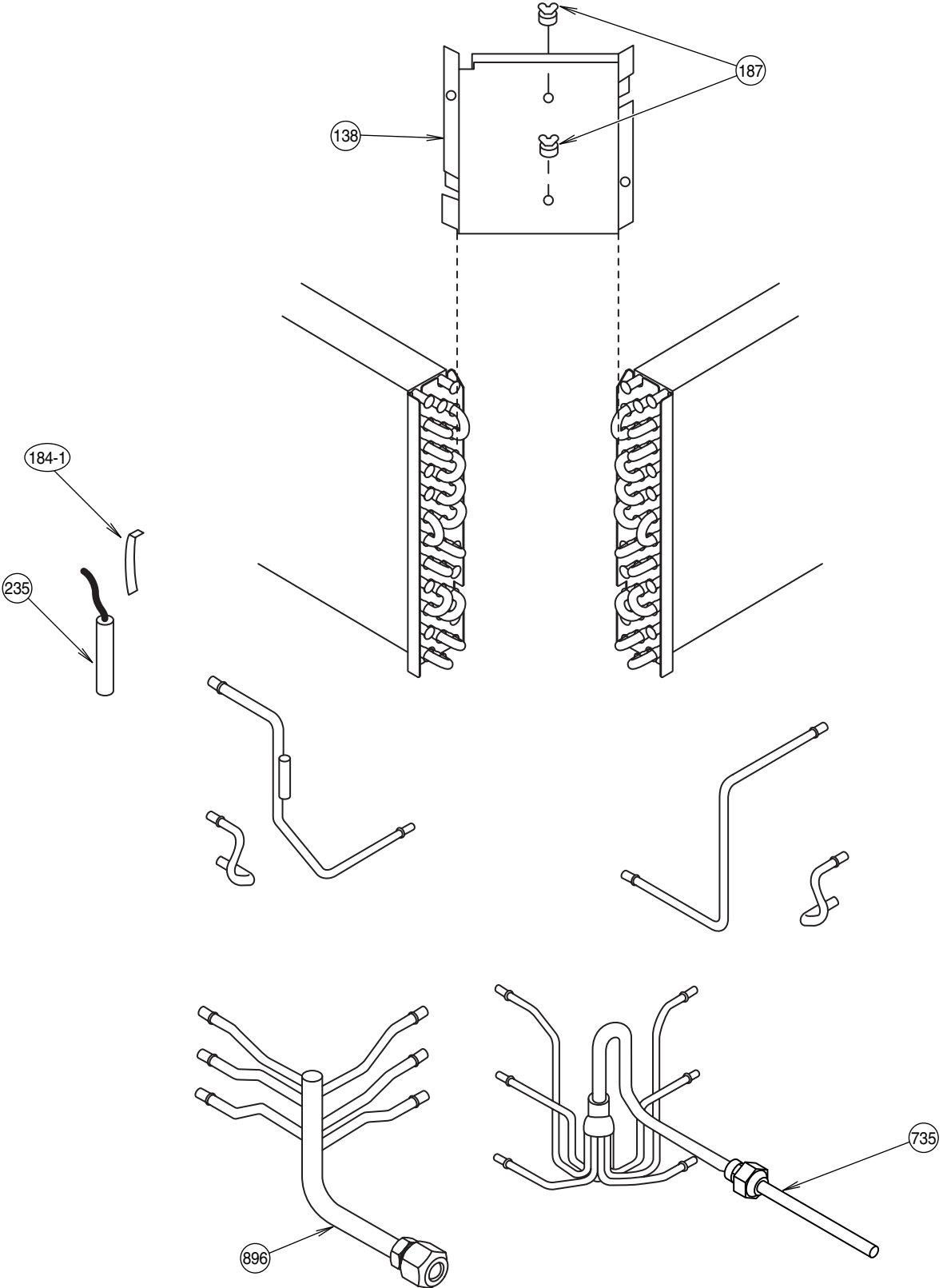
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AUU36RCLX  
AUU42RCLX



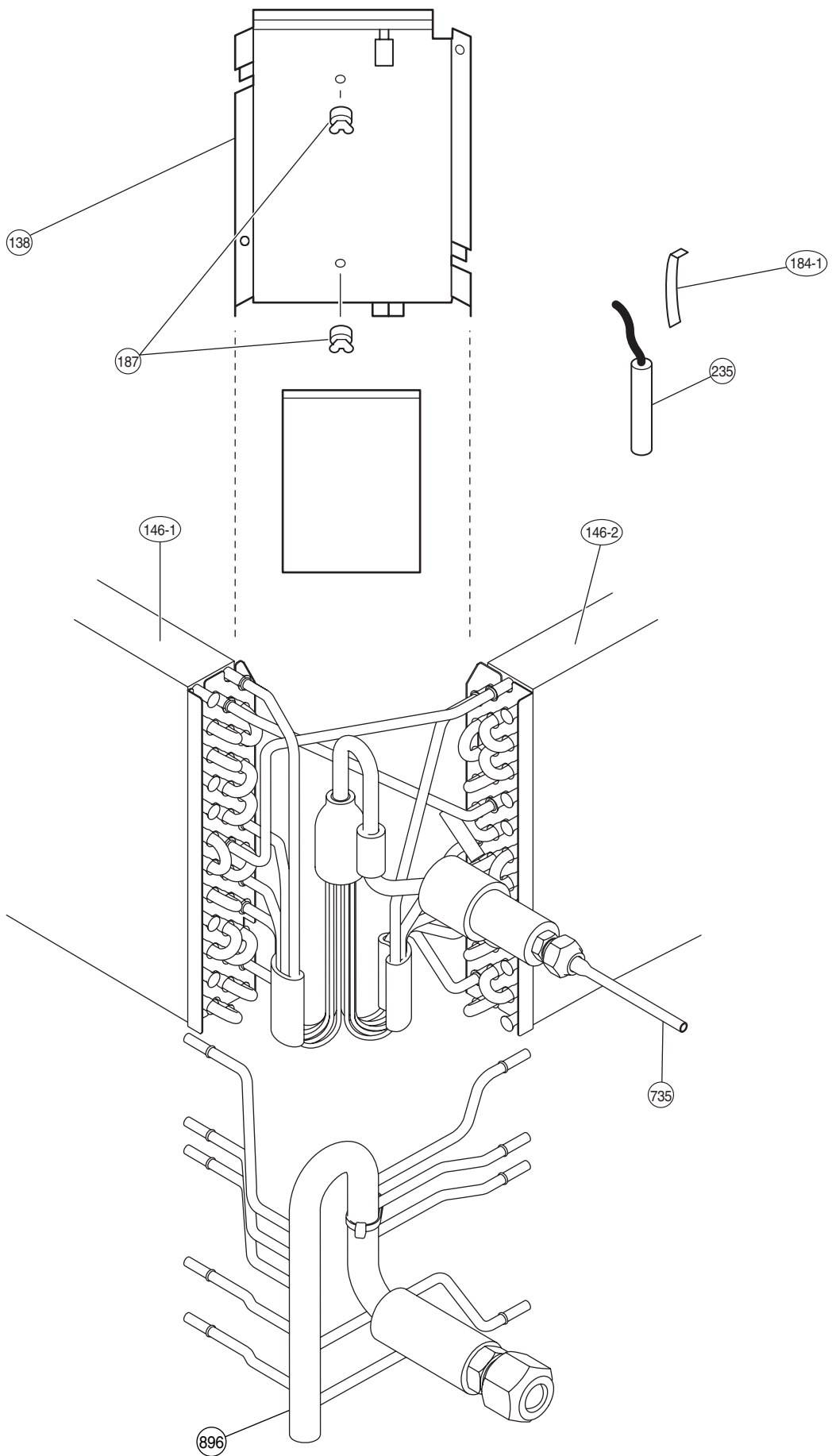
Models :  
AUU18RCLX  
AUU24RCLX  
AUU36RCLX  
AUU42RCLX



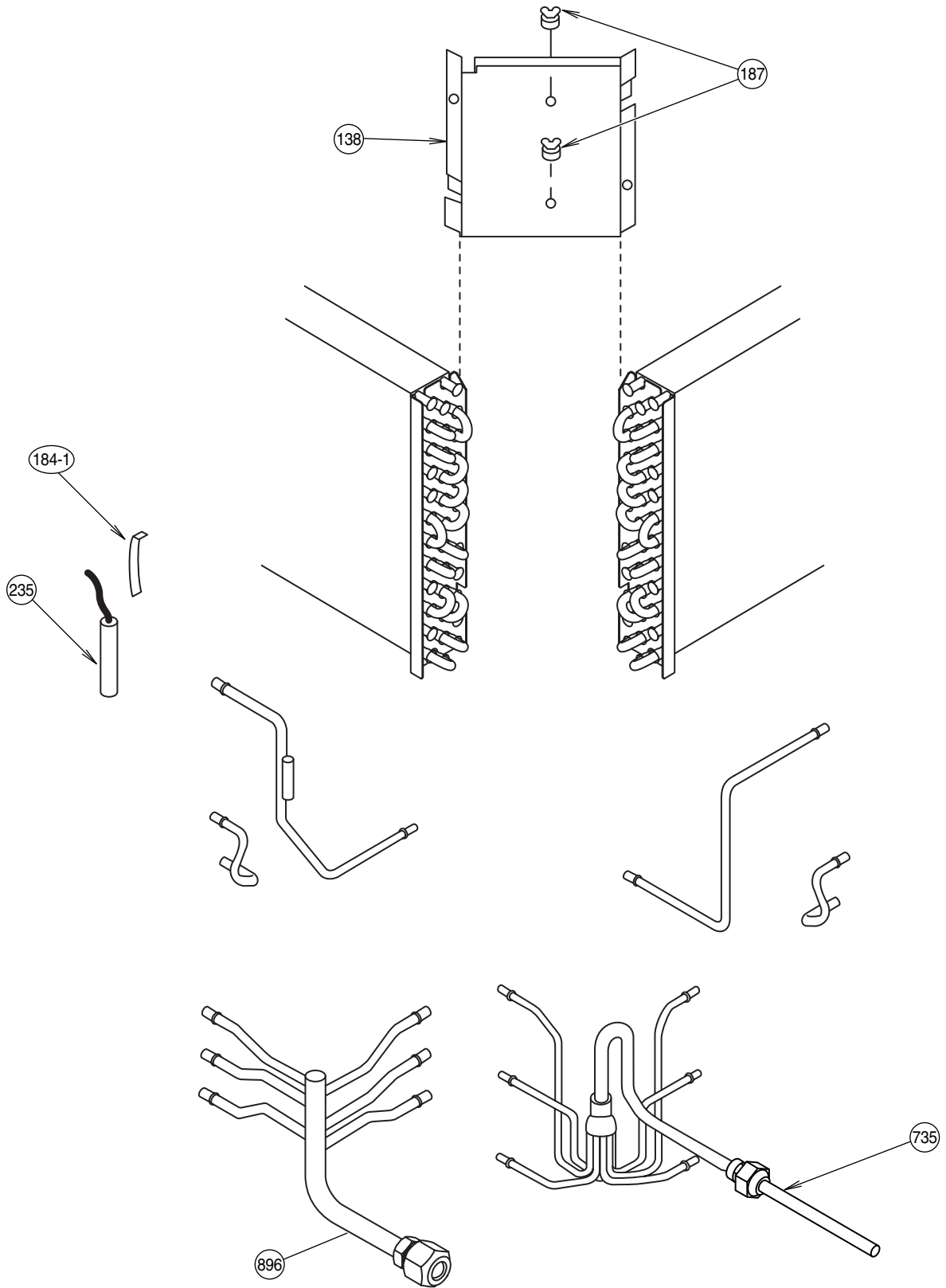
Models :  
AUU18RCLX  
AUU24RCLX



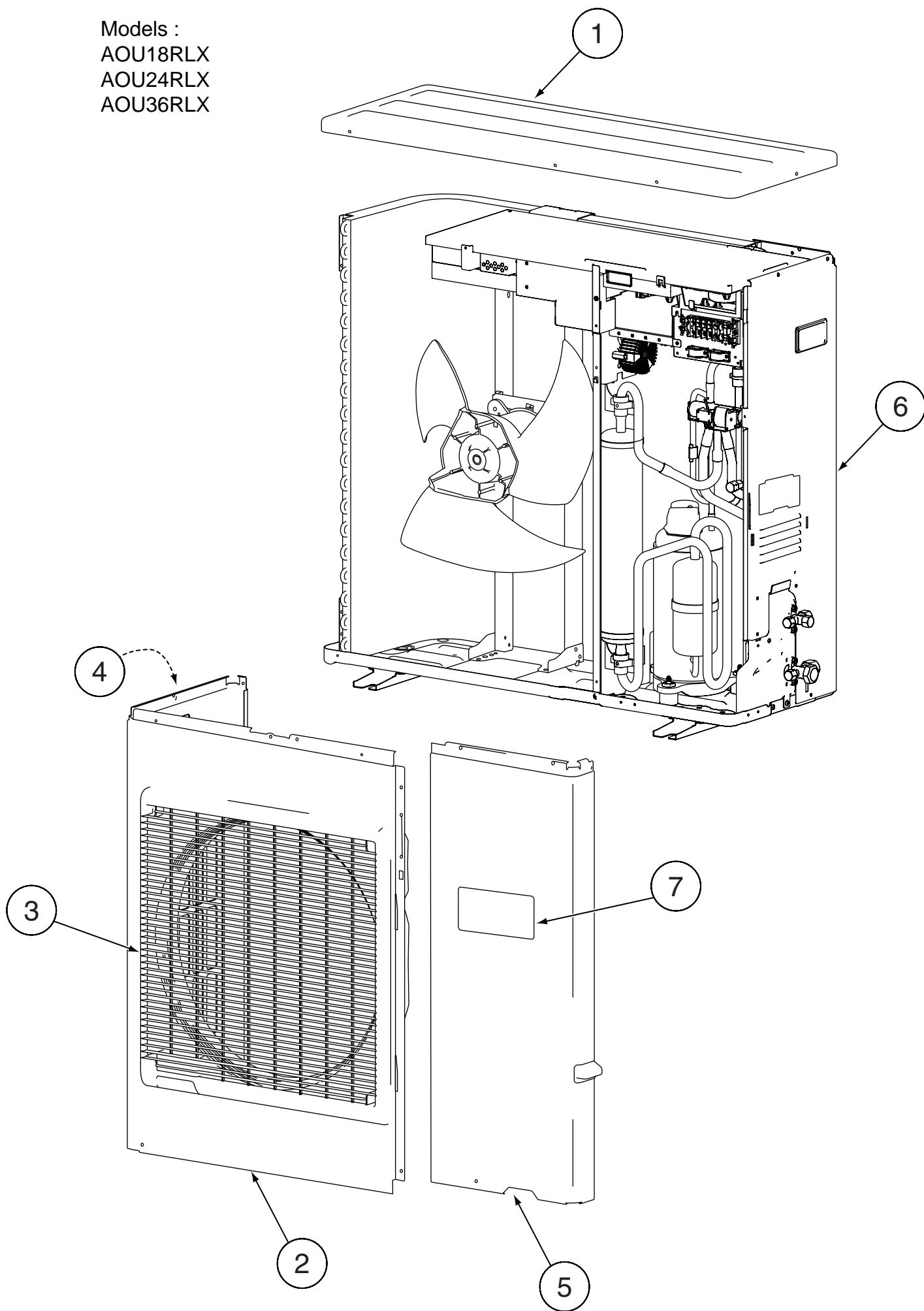
Model : AUU36RCLX



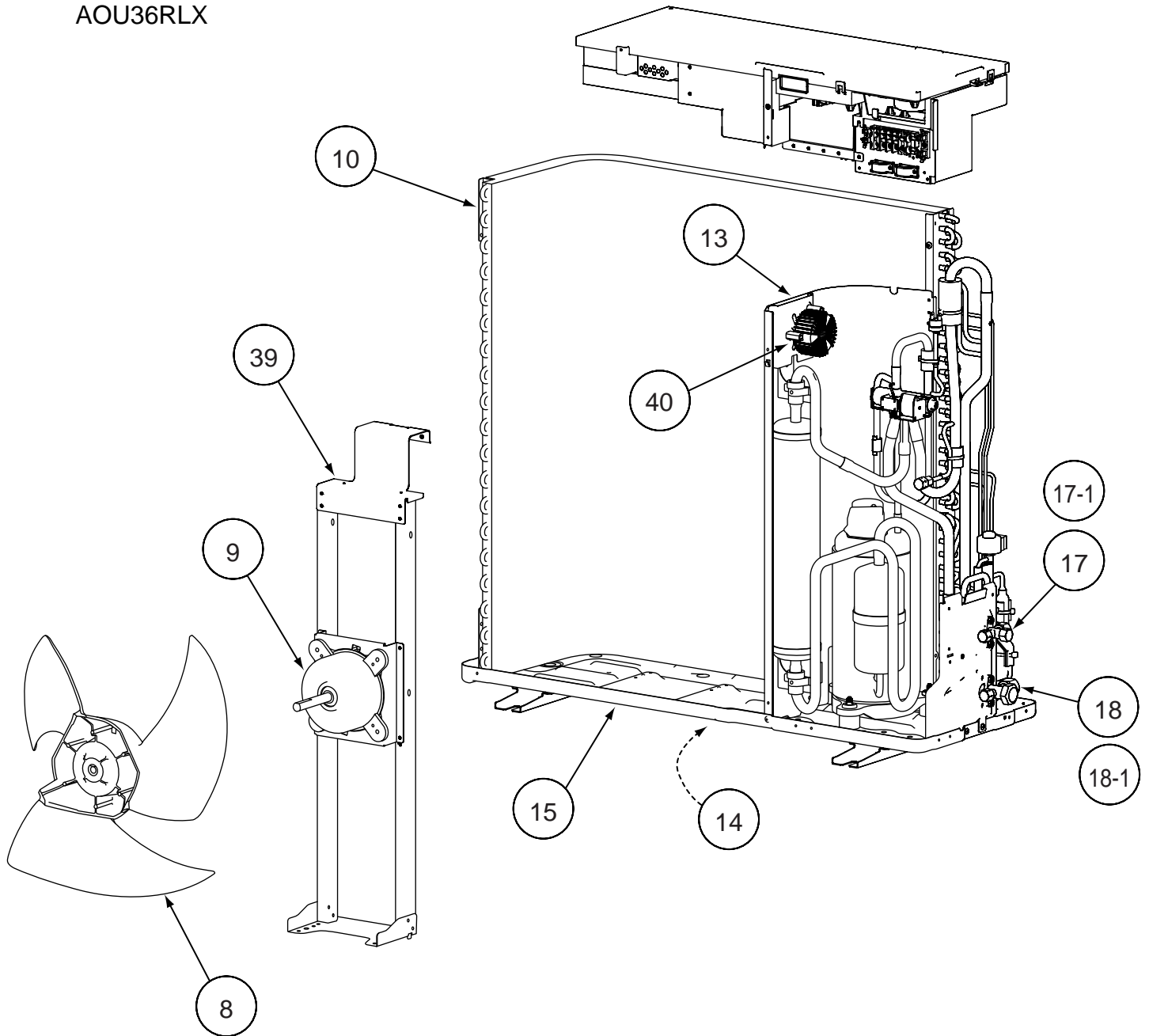
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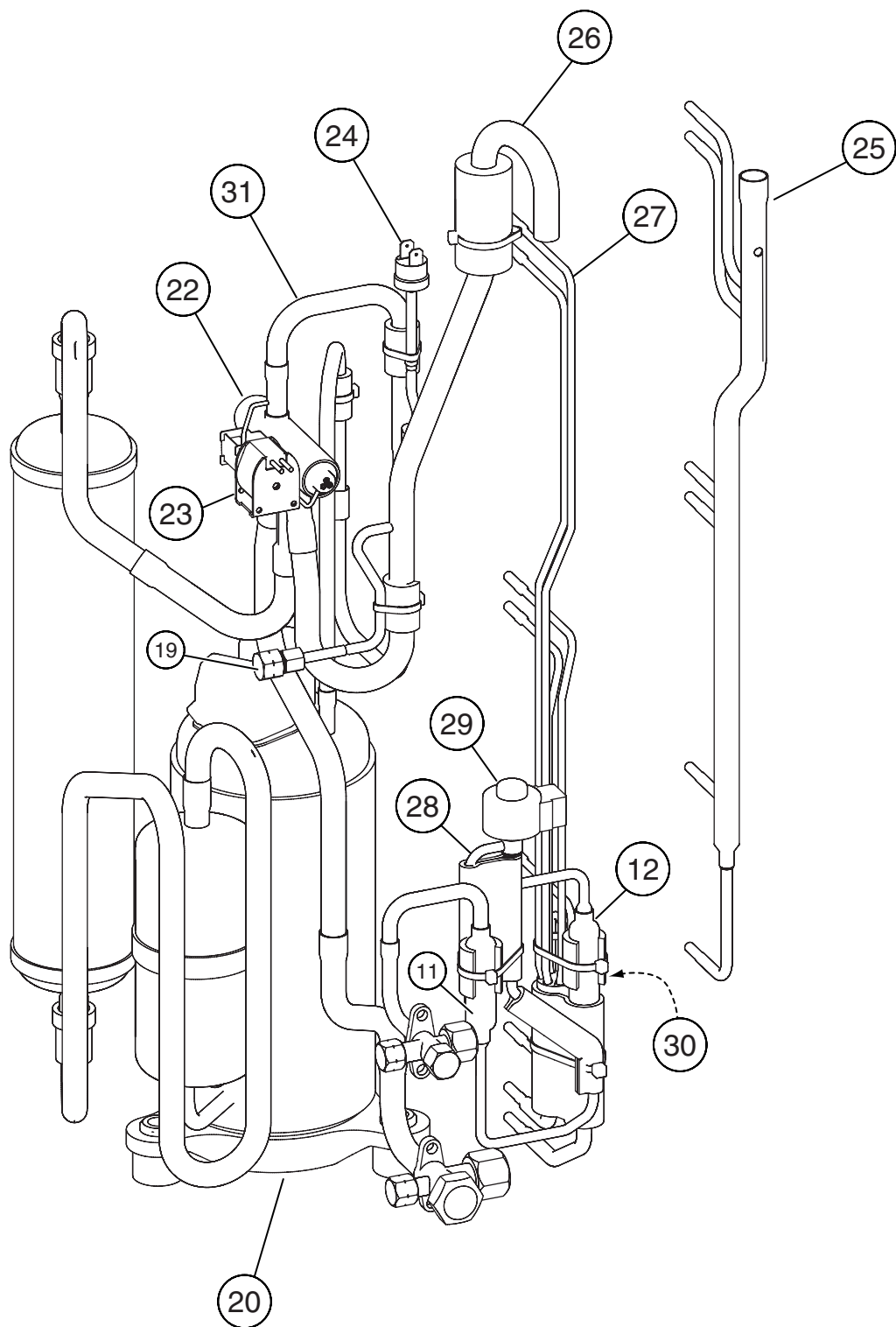
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AOU24RLX  
AOU36RLX



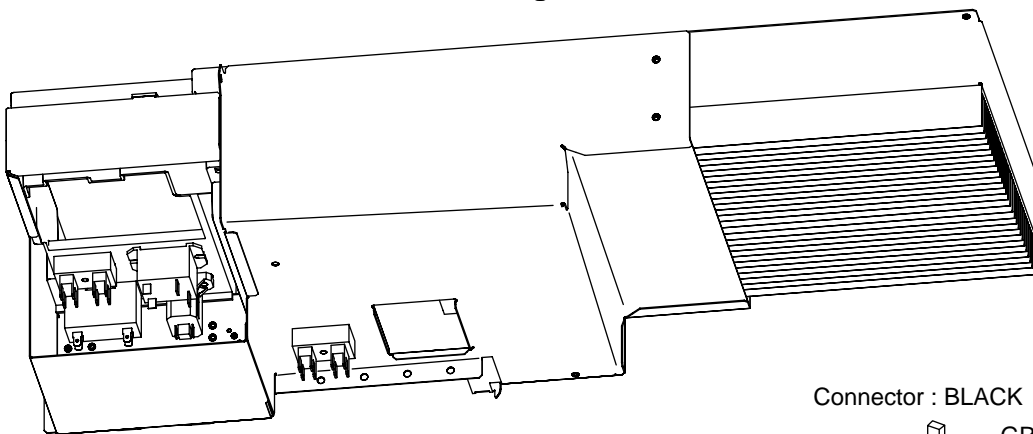
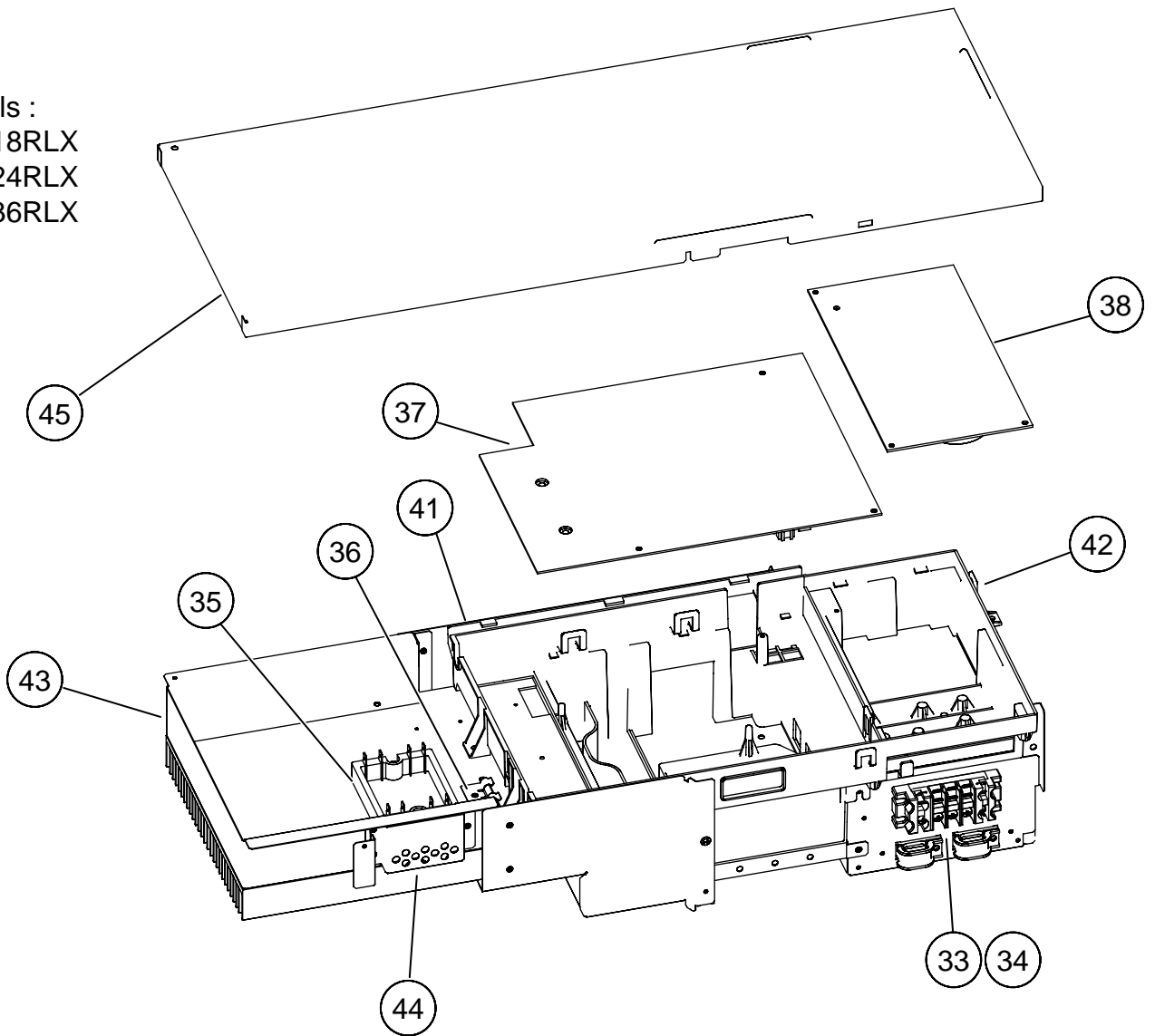
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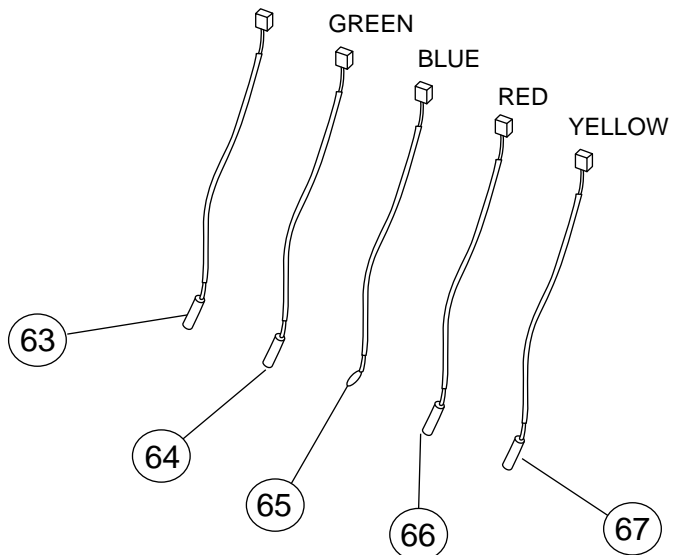
Models :  
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AOU24RLX  
AOU36RLX



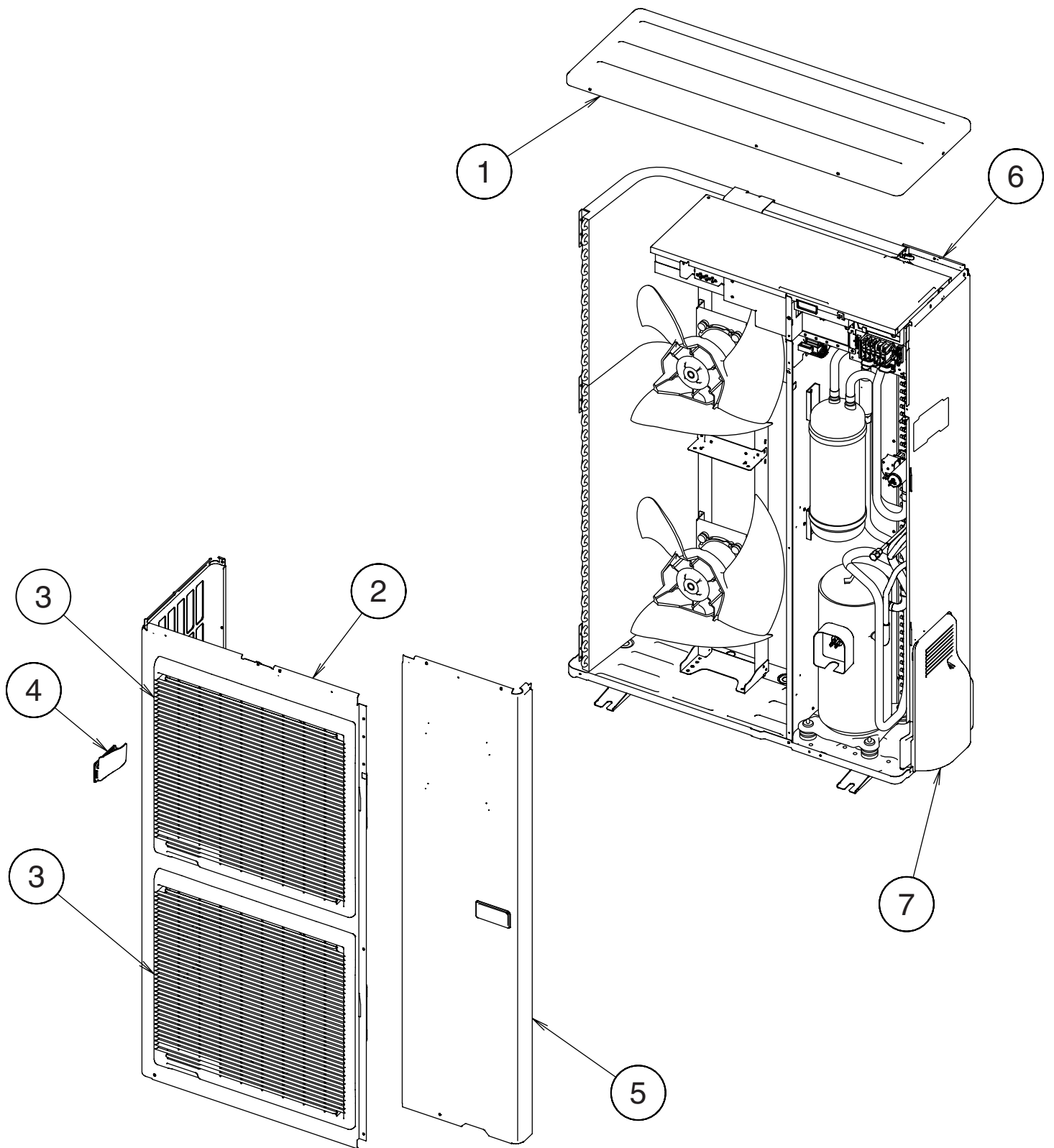
Models :  
 AOU18RLX  
 AOU24RLX  
 AOU36RLX



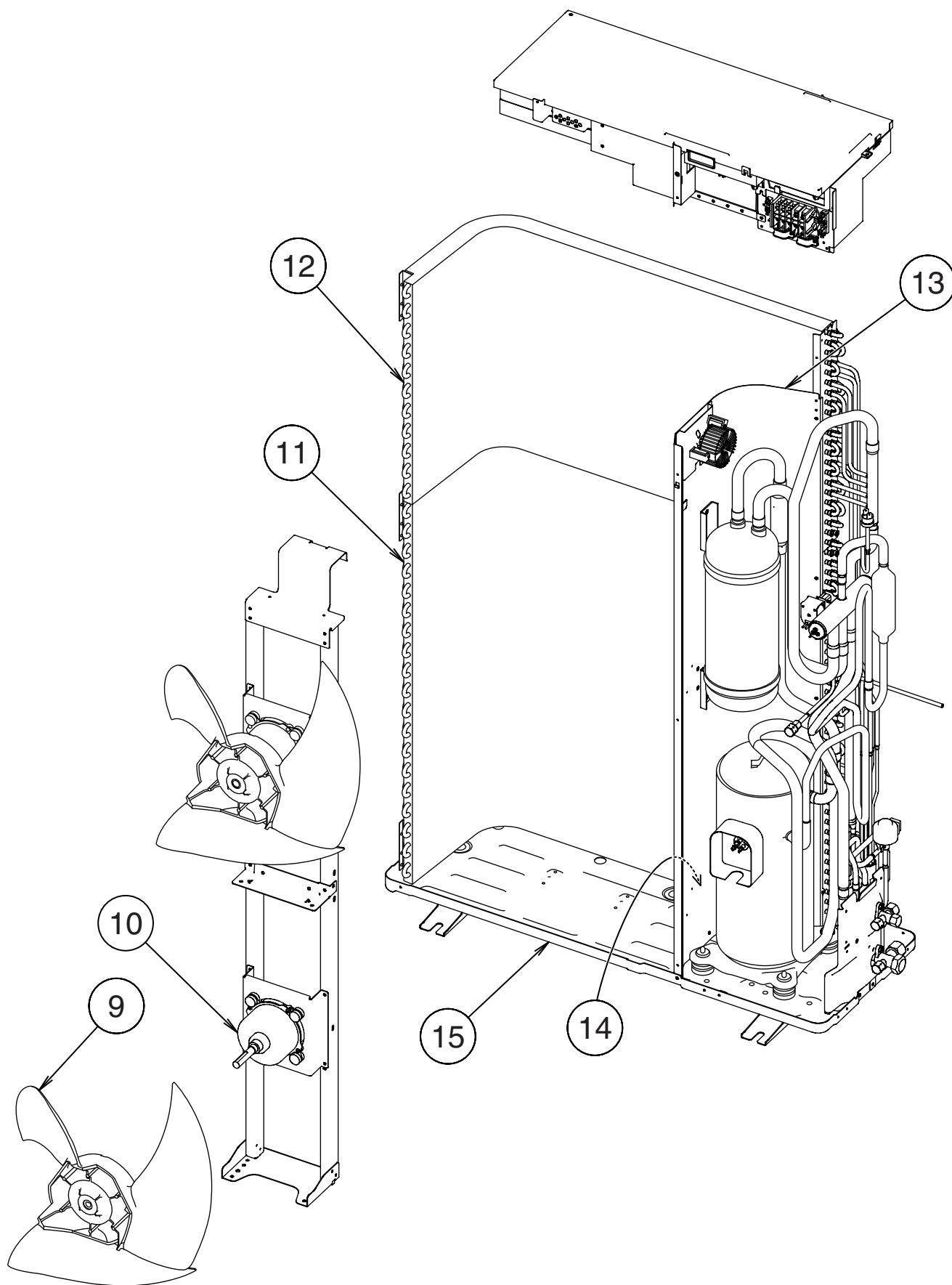
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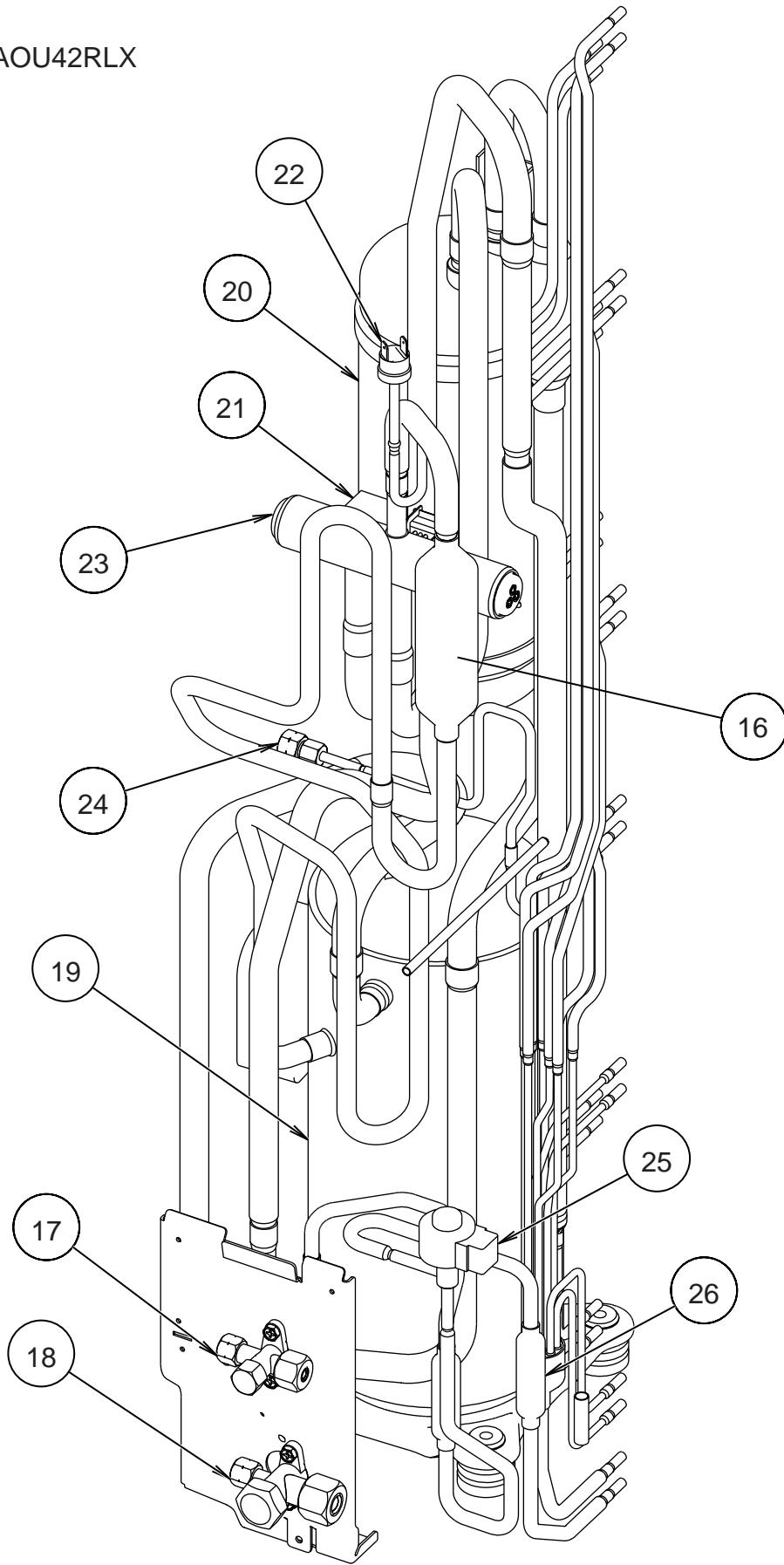
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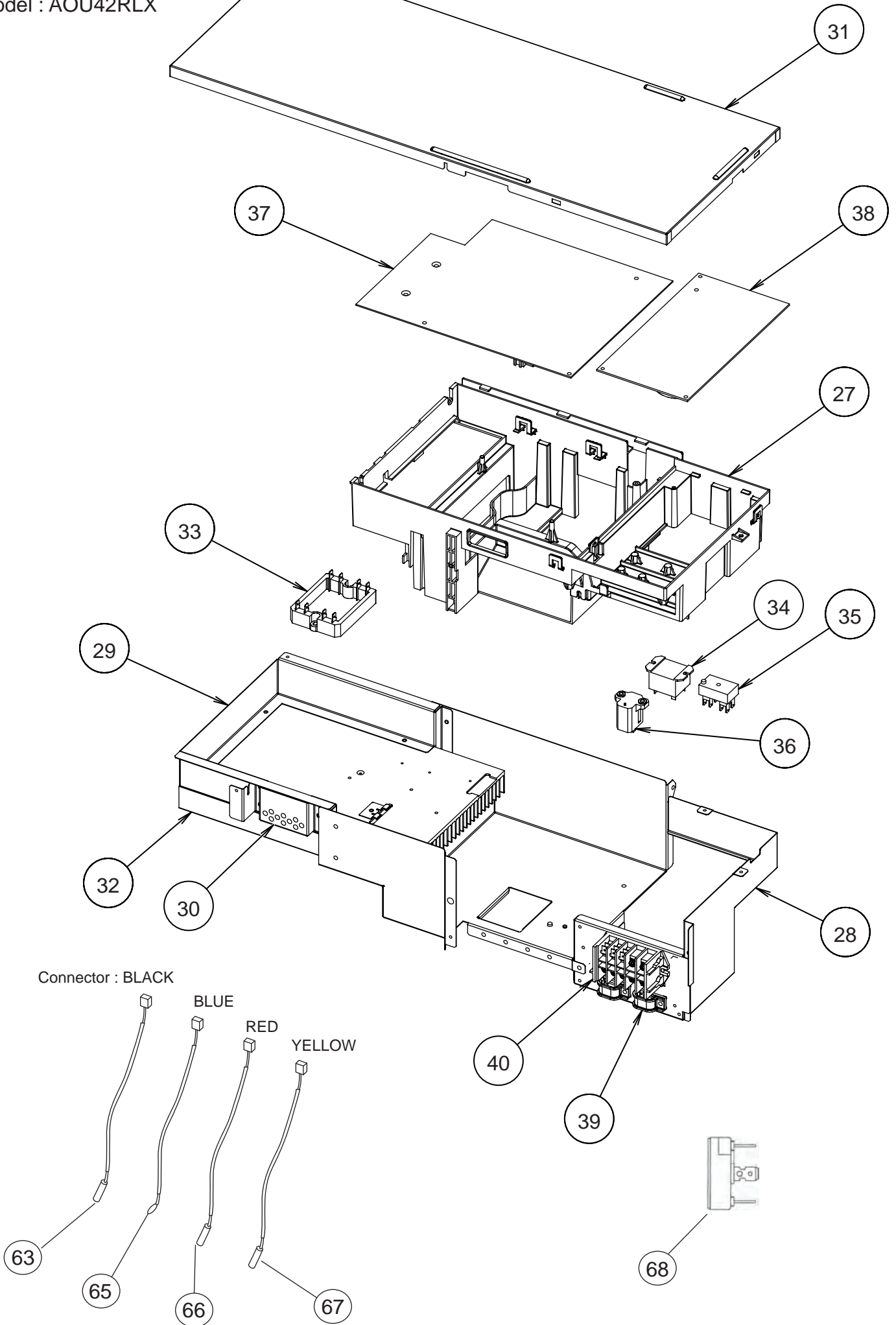
Model : AOU42RLX



Model : AOU42RLX



Model : AOU42RLX



# PARTS LIST

## INDOOR UNIT

Ref. No.	Description	Part No.		Ord. Q'ty	Ref. No.	Description	Part No.		Ord. Q'ty
		AUU18RCLX	AUU24RCLX				AUU18RCLX	AUU24RCLX	
32	Control Box Assy	9368533007	9368533007		472-3	RFM (Grille)-C	9362740005	9362740005	
34	Capacitor (Fan Motor)	9900270049	9900270049		472-4	RFM (Grille)-D	9362741002	9362741002	
61	Decoration Plate	9362787000	9362787000		472-5	RFM (Grille)-E	9362742009	9362742009	
71	Holder (Hook)	9362782005	9362782005		474	Turbo Fan Assy	9362810012	9362810012	
93	Filter	9362766005	9362766005		476-2	Washer (Turbo Fan)	9362756006	9362756006	
122	Holder (Louver Supporter)	9362799003	9362799003		477	Bellmouth-B	9362774000	9362774000	
127	Drain Hose	9365074008	9365074008		479	Float Switch	9900361020	9900361020	
138	Separate wall	9362793001	9362793001		481	Insulation (Grille)-A	9362780001	9362780001	
146-1	Evaporator-A Assy	9373799030	9373799030		481-1	Insulation (Grille)-B	9362781008	9362781008	
146-2	Evaporator-B Assy	9373800033	9373800033		482	Pump Unit	9900360030	9900360030	
160	Kit (Drain Pan Sub Assy)	9370934014	9370934014		484	Hook	9362736008	9362736008	
164	Motor, Induction	9601558026	9601558026		487	Hinge Wire (Grille)	9362754002	9362754002	
168	Cabinet-E	9362735001	9362735001		488	Drain Pan Plug	313005174654	313005174654	
184-1	Thermistor Spring-A	313728262708	313728262708		514	Control Box Cover	9368524005	9368524005	
187	Clamp No. 1219	313361271706	313361271706		522	Joint Gear	9362772006	9362772006	
195	Binder-C	313361275805	313361275805		541	Terminal Base	9368529017	9368529017	
197	Wind Guide Board	9373444015	9373444015		541-1	Terminal Cover	9368530006	9368530006	
212	Clamp NK-4N	313714328805	313714328805		542	Panel Base	9362759014	9362759014	
223	Control Box	9368523015	9368523015		543	Holder (Panel Frame)	9362761017	9362761017	
226	Motor Gear	9362764001	9362764001		544	Holder (Panel Base)	9362760010	9362760010	
234	Room Temp. Thermistor	9703299025	9703299025		545	Panel Frame	9362758017	9362758017	
235	Pipe Temp. Thermistor	9703297014	9703297014		563	Inner Box	9362797009	9362797009	
236	Controller PCB Assy	9705914223 (K01AL-050KHSE-C1)	9705914230 (K01AL-051HSE-C1)		565	Evaporator Holder Assy	9362802024	9362802024	
240	Remote Control Unit	9372266144	9372266144		625	Cord Bushing	9359240006	9359240006	
244	Pipe Cover Assy	9362819015	9362819015		690	Joint-A	9362773003	9362773003	
253-A	Wire Assy	9372714010	9372714010		692	Joint Shaft	9362771009	9362771009	
320-1	Wire Clamp Metal	313483219905	313483219905		705	Louver Assy	9362836012	9362836012	
334	Wire Cover	9370624007	9370624007		710	Intake Grille	9362767019	9362767019	
337-1	RFM (Eva. )-A	9362749008	9362749008		731-2	Holder	0600241018	0600241018	
337-2	RFM (Eva. )-B	9362750004	9362750004		735	Distributor Assy	9371325262	9371325040	
338	Motor Holder	9362765008	9362765008		777-1	Hook (Grille)-A	9362779012	9362779012	
380	Locking Spacer	313209391403	313209391403		777-2	Hook (Grille)-B	9362778015	9362778015	
381-4	Spacer	0600118075	0600118075		798	Drain Pump Holder	9362753005	9362753005	
457	RFM (Drain Pan)	9362757003	9362757003		803	Cabinet-D	9362792004	9362792004	
460-1	Pump Cover-A	9362775007	9362775007		814	Cabinet-C	9362791007	9362791007	
460-2	Pump Cover-B	9362776004	9362776004		815-1	Terminal-3P	9306489083	9306489083	
462	Panel (Top) Assy	9362806022	9362806022		815-2	Terminal-3P	9703345012	9703345012	
464	Cabinet-A Assy	9362807012	9362807012		834-1	Cover (Wire)-A	9362789004	9362789004	
465	Cabinet-B Assy	9362808019	9362808019		834-2	Cover (Wire)-B	9362788007	9362788007	
467	Drain Port	9362786003	9362786003		835	Cushion (Pump)	9362777001	9362777001	
468	M10 Nut-A (Large)	313005446653	313005446653		847	Louver Supporter	9362770019	9362770019	
469	M10 Nut-B (Small)	313005446759	313005446759		858	Spring (Grille)	9362755009	9362755009	
472-1	RFM (Grille)-A	9362738002	9362738002		875	Power Supply PCB Assy	9704561329	9704561329	
472-2	RFM (Grille)-B	9362739009	9362739009		876-2	Motor, Step	9900362027	9900362027	
					896	Coupling Pipe Assy	9373038320	9371333038	

When you order parts, please make a photocopy of this page and fill the number of the parts in the "Order" column.

INDOOR UNIT

Ref. No.	Description	Parts No.		Ord. Q'ty	Ref. No.	Description	Parts No.		Ord. Q'ty
		AUU36RCLX	AUU42RCLX				AUU36RCLX	AUU42RCLX	
32	Control Box Assy	9368533007	9368533007		472-3	Grille Reinforcement-T (C)	9362740005	9362740005	
34	Capacitor (Fan Motor)	9900270162	9900270162		472-4	Grille Reinforcement-T (D)	9362741002	9362741002	
61	Decoration Plate	9362787000	9362787000		472-5	Grille Reinforcement-T (E)	9362742009	9362742009	
71	Grille Hook Holder	9362782005	9362782005		474	Turbo Fan Assy	9362803014	9362803014	
93	Filter	9362766005	9362766005		476-2	Spacial Washer	9362756006	9362756006	
122	Rubber Support Holder	9362799003	9362799003		477	Bellmouth-B	9362774000	9362774000	
127	Drain Hose	9362784009	9362784009		479	Float Switch	9900361020	9900361020	
138	Separate Wall	9362737005	9362737005		481	Insulation (Grille)-A	9362780001	9362780001	
146-1	Evaporator-A Assy	9373799054	9373799047		481-1	Insulation (Grille)-B	9362781008	9362781008	
146-2	Evaporator-B Assy	9373800057	9373800040		482	Pump Unit	9900360030	9900360030	
160	Kit (Drain Pan Assy)	9370934014	9370934014		484	Hook	9362736008	9362736008	
164	Fan Motor Assy-IN	9601915010	9601915010		487	Grille Hinge Wire	9362754002	9362754002	
168	Cabinet-E	9362735001	9362735001		488	Drain Pan Plug	313005174654	313005174654	
184-1	Thermistor Spring-A	313728262708	313728262708		514	Control Box Cover	9368524005	9368524005	
187	Clamp No. 1219	313361271706	313361271706		522	Joint Gear	9362772006	9362772006	
195	Clamp SKB-100	313361275805	313361275805		541	Terminal Plate	9368529017	9368529017	
197	Wind Guide Board	9373444015	9373444015		541-1	Terminal Cover	9368530006	9368530006	
212	Clamp NK-4N	313714328805	313714328805		542	Panel Base	9362759014	9362759014	
223	Control Box	9368523015	9368523015		543	Panel Frame Holder	9362761017	9362761017	
226	Motor Gear	9362764001	9362764001		544	Panel Base Holder	9362760010	9362760010	
234	Room Temperature Thermistor	9703299025	9703299025		545	Panel Frame Holder	9362758017	9362758017	
235	Pipe Temperature Thermistor	9703297014	9703297014		563	Inner Box	9362768009	9362768009	
236	Controller PCB Assy	9705914247 (K01AL-050MHSE-C1)	9705914254 (K01AL-050NHSE-C1)		565	Evaporator Holder Assy	9362802017	9362802017	
240	Remote Control Unit	9372266144	9372266144		625	Cord Bushing	9359240006	9359240006	
244	Pipe Cover Assy	9362819015	9362819015		690	Joint-A	9362773003	9362773003	
253-A	Wire Assy	9372714010	9372714010		692	Joint Shaft	9362771009	9362771009	
337-1	Reinforcement (Eva. )-A	9362749008	9362749008		705	Louver Assy	9362836012	9362836012	
337-2	Reinforcement (Eva. )-B	9362750004	9362750004		710	Intake Grille	9362767019	9362767019	
320-1	Wire Clamp Metal	313483219905	313483219905		731-2	Holder	0600241018	0600241018	
334	Wire Cover	9370624007	9370624007		735	Distributor Assy	9371325132	9371325101	
338	Motor Holder	9362765008	9362765008		777-1	Grille Hook-A	9362779012	9362779012	
380	Locking Spacer	313209391403	313209391403		777-2	Grille Hook-B	9362778015	9362778015	
381-4	Spacer	0600118075	0600118075		798	Pump Hook Bracket	9362753005	9362753005	
457	Reinforcement (Drain Pan)	9362757003	9362757003		803	Cabinet-D	9362734004	9362734004	
460-1	Pump Cover-A	9362775007	9362775007		814	Cabinet-C	9362733007	9362733007	
460-2	Pump Cover-B	9362776004	9362776004		815-1	Terminal-3P	9306489083	9306489083	
462	Top Cover Plate	9362806015	9362806015		815-2	Terminal-3P	9703345012	9703345012	
464	Cabinet-A	9362800013	9362800013		834-1	Wire Cover-A	9362789004	9362789004	
465	Cabinet-B	9362801010	9362801010		834-2	Wire Cover-B	9362788007	9362788007	
467	Drain Port	9362786003	9362786003		835	Cushion Rubber (Pump)	9362777001	9362777001	
468	Spacial Nut-A (Large)	313005446653	313005446653		847	Louver Supporter	9362770019	9362770019	
469	Spacial Nut-B (Small)	313005446759	313005446759		858	Grille Spring	9362755009	9362755009	
472-1	Grille Reinforcement-T (A)	9362738002	9362738002		875	Power Supply PCB Assy	9704561336	9704561336	
472-2	Grille Reinforcement-T (B)	9362739009	9362739009		876-2	Motor, Step	9900362027	9900362027	
					896	Coupling Pipe Assy	9373038221	9373038290	
					---	Rubber (Discharge Pipe)	313194159807	313194159807	

# OUTDOOR UNIT

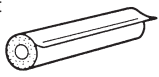



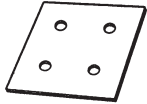
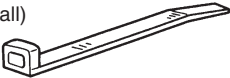


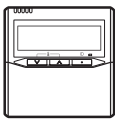
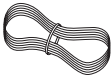
Ref.	Description	Part Number		
		AOU18RLX	AOU24RLX	AOU36RLX
1	Top Panel Sub Assy	9374417025	9374417025	9374417025
2	Front Panel	9374094066	9374094066	9374094066
3	Fan Guard	9374330010	9374330010	9374330010
4	Grip Side	9374173013	9374173013	9374173013
5	Service Panel Sub Assy	9374415038	9374415038	9374415038
6	Right Panel	9374095148	9374095148	9374095148
7	Emblem Rear	9351355005	9351355005	9351355005
8	Propeller Fan Assy	9366378020	9366378020	9366378020
9	Motor, Induction	9602114016	9602114016	9602114016
10	Condenser-A Assy	9374433148	9374433148	9374433148
11	Strainer Assy	9366602019	9366602019	9366602019
12	Strainer Assy	9372524015	9372524015	9372524015
13	Separate Wall Assy	9375226015	9375226015	9375226015
14	Cap Foot	9374345014	9374345014	9374345014
15	Base Assy	9374166183	9374166183	9374166183
17	3-Way Valve Assy (3/8)	-----	9372205044	9372205044
17-1	2-Way Valve Assy (1/4)	9372204054	-----	-----
18	3-Way Valve Assy (5/8)	-----	9372205075	9372205075
18-1	3-Way Valve Assy (1/2)	9372205051	-----	-----
19	Check Joint Assy	9372802038	9372802038	9372802038
20	Compressor Assy	9373711018	9373711018	9373711018
22	4-Way Valve	9900164010	9900164010	9900164010
23	Solenoid	9900165055	9900165055	9900165055
24	Pressure Switch	9900186012	9900186012	9900186012
25	Inlet Pipe Cond A Assy	9373461067	9373461067	9373461067
26	Inlet Pipe Cond B Assy	9373463054	9373463054	9373463054
27	Outlet Pipe Cond A Assy	9374266050	9374266050	9374266050
28	Expansion Valve Assy	9370947120	9370947113	9370947113
29	Coil (Expansion Valve)	9900057039	9900057039	9900057039
30	Distributor	9369128004	9369128004	9369128004
31	Discharge Pipe A Assy	9372264140	9372264140	9372264140
33	Terminal 2P	9701971015	9701971015	9701971015
34	Terminal 5P	9900203023	9900203023	9900203023
35	ACTPM	9703457012	9703457012	9703457012
36	Holder Thermo	9372797013	9372797013	9372797013
37	Inverter PCB Assy	9705642096	9705642089	9705642102
38	Power PCB Assy	9705647046	9705647046	9705647053
39	Motor Bracket Sub Assy	9374418091	9374418091	9374418091
40	Choke Coil	9900366018	9900366018	9900366018
41	Inverter Box A	9374603015	9374603015	9374603015
42	Inverter Box B	9374625017	9374625017	9374625017
43	Inverter Box C	9375140014	9375140014	9374605026
44	Inverter Box Duct	9374609017	9374609017	9374609017
45	Inverter Box Cover	9375139018	9375139018	9374608010
63	Heatsink Thermistor	9900311018	9900311018	9900311018
64	Compressor Thermistor	9900156022	9900156022	9900156022
65	Thermistor (Outdoor Temp.)	9900378035	9900378035	9900378035
66	Heat Exchanger Thermistor	9900374013	9900374013	9900374013
67	Thermistor (Discharge)	9704219114	9704219114	9704219114
--	Thermistor	9900041014	9900041014	9704265012
--	Fuse 3.15A-250V	0600239534	0600239534	0600239534
--	Transformer	9702334024	9702334024	9702334024
--	Varistor	0000361224	0000361224	0000361224
--	Arrester	0600280147	0600280147	0600280147
--	Relay	9900117016	9900117016	9900117016
--	Relay	9900007010	9900007010	9900007010
--	Switch Push	9703476013	9703476013	9703476013
--	Switch Slide	9701392018	9701392018	9701392018
--	Drain Pipe Assy	9301102000	9301102000	9301102000
--	Drain Cap	313166024302	313166024302	313166024302

## OUTDOOR UNIT

Ref.	Description	Parts number
		AOU42RLX
1	Top Panel Sub Assy	9374417025
2	Front Panel X	9374094028
3	Fan Guard	9374330010
4	Grip Side	9374173013
5	Service Panel Sub Assy	9374415014
6	Right Panel Sub Assy	9374416080
7	Valve Cover	9374174010
9	Propeller Fan Assy	9366378020
10	Motor DC Brushless	9602114016
11	Condenser A Assy	9374433131
12	Condenser B Assy	9374434060
13	Sepa Wall	9374135028
14	Cap Foot	9374345014
15	Base Assy	9374166169
16	Muffler	9372369036
17	3-Way Valve Assy (3/8)	9372205044
18	3-Way Valve Assy (8/8)	9372205075
19	Compressor Assy	9374653010
20	Accumulator Assy	9371615011
21	Solenoid	9900165055
22	Pressure Switch	9900186012
23	4-Way Valve	9970035029
24	Check Valve Assy	9374274017
25	Coil (Expansion Valve)	9900190033
26	Strainer Assy	9372524015
27	Inverter Box A	9374603015
28	Inverter Box B	9374625017
29	Inverter Box C	9374605019
30	Inverter Box Duct	9374609017
31	Inverter Box Cover	9374608010
32	Heat Sink A	9374607013
33	Act Module	9707278019
34	Relay	9900262013
35	Terminal	9701971015
36	Posistor	9704265012
37	Inverter PCB Assy	9705642119
38	Power PCB Assy	9705647060
39	Clamp (Cord)	9356857009
40	Terminal	9900184025
63	Heatsink Thermistor	9900311018
65	Thermistor (Out Temp)	9900378035
66	Thermistor (Heat Exchange)	9900374037
67	Thermistor (Dischage)	9704219084
68	Diode Bridge	0100122039
--	Emblem-Rear	9351355005
--	Holder Thermo	9372797013
--	Fuse 3.15A-250V	0600239534
--	Expansion Valve	9900170028
--	Varistor	0000361224
--	Arrester	0600280147
--	Relay	9900007010
--	Switch Slide	9701392018
--	Drain Pipe Assy	9301102000

# STANDARD ACCESSORIES

## INDOOR UNIT ACCESSORIES

Name and Shape	Q'ty	Application
Coupler heat insulation 	2	For indoor side pipe joint
Tapping Screw (flush heads) 	2	For installing the remote controller
Special nut A (large flange) 	4	For installing indoor unit
Special nut B (small flange) 	4	For installing indoor unit
Template 	1	For ceiling hole cutting
Binder (small) 	1	For fixing the remote controller cord
Blower cover insulation 	2	For discharged air
Hook wire 	2	For installing intake grille
Remote controller 	1	
Remote controller cord 	1	For connecting the remote controller

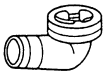

**⚠ WARNING**

- ① For the air conditioner to operate satisfactorily, install it as outlined in this installation instruction sheet.
- ② Connect the indoor unit and outdoor unit with the room air conditioner piping and cords available standards parts. This installation instruction sheet describes the correct connections using the installation set available from our standard parts.
- ③ Installation work must be performed in accordance with national wiring standards by authorized personnel only.
- ④ Also, do not use an extension cord.
- ⑤ Do not turn on the power until all installation work is complete.
- ⑥ Do not purge the air with refrigerants but use a vacuum pump to vacuum the installation.
- ⑦ There is not extra refrigerant in the outdoor unit for air purging.
- ⑧ Use a vacuum pump for R410A exclusively.
- ⑨ Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.
- ⑩ Use a clean gauge manifold and charging hose for R410A exclusively.
- ⑪ If refrigerant leaks while work is being carried out, ventilate the area. If the refrigerant comes in contact with a flame, it produces a toxic gas.

- Be careful not to scratch the air conditioner when handling it.
- After installation, explain correct operation to the customer, using the operating manual.
- Let the customer keep this installation instruction sheet because it is used when the air conditioner is serviced or moved.

## STANDARD PARTS

The following installation parts are furnished.  
Use them as required.

Name and Shape	Q'ty	Application
Drain pipe 	1	For outdoor unit drain piping work (May not be supplied, depending on the model.)
Drain cap 	5	

## CONNECTION PIPE REQUIREMENT

**⚠ CAUTION**

The maximum lengths of this product are shown in the following table. If the units are further apart than this, correct operation can not be guaranteed.

Model Type	Diameter		Pipe length		Maximum height (between indoor and outdoor)
	Liquid	Gas	MAX.	MIN.	
18,000 BTU/h class	6.35 mm (1/4 in.)	12.7 mm (1/2 in.)	50 m (165 ft)	5 m (16 ft)	20 m (66 ft)
24,000 BTU/h class	9.52 mm (3/8 in.)	15.88 mm (5/8 in.)	50 m (165 ft)	5 m (16 ft)	20 m (66 ft)
36,000 BTU/h class	9.52 mm (3/8 in.)	15.88 mm (5/8 in.)	50 m (165 ft)	5 m (16 ft)	30 m (98 ft)
42,000 BTU/h class	9.52 mm (3/8 in.)	15.88 mm (5/8 in.)	70 m (230 ft)	5 m (16 ft)	30 m (98 ft)

- Use pipe with water-resistant heat insulation.

**⚠ CAUTION**

Install heat insulation around both the gas and liquid pipes. Failure to do so may cause water leaks.  
Use heat insulation with heat resistance above 248 °F. (Reverse cycle model only)  
In addition, if the humidity level at the installation location of the refrigerant piping is expected to exceed 70%, install heat insulation around the refrigerant piping. If the expected humidity level is 70-80%, use heat insulation that is 15 mm (19/32") or thicker and if the expected humidity exceeds 80%, use heat insulation that is 20 mm (13/16") or thicker.  
If heat insulation is used that is not as thick as specified, condensation may form on the surface of the insulation.  
In addition, use heat insulation with heat conductivity of 0.045 W/(mK) or less (at 68 °F).

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