



SERVICE MANUAL



Outdoor unit	Indoor unit
AOHG90LRLA	ABHG22LVTA
UTP-SX254A	ABHG30LRTE
UTP-SX272A	ABHG45LRTA
UTP-SX372A	ARHG22LMLA
	ARHG30LMLE
	ARHG45LMLA
	AUHG22LVLA
	AUHG30LRLE
	AUHG45LRLA
	UTG-UFGD-W
	UTG-UGGA-W

CONTENTS

SPECIFICATIONS	1
DIMENSIONS	5
REFRIGERANT SYSTEM DIAGRAM . . .	11
CIRCUIT DIAGRAM	16
PCB CIRCUIT DIAGRAM	21
ERROR DETECTION	28
PARTS (OUTDOOR UNIT)	30
PARTS (INDOOR UNIT)	40
ACCESSORIES	77

SPECIFICATIONS

OUTDOOR UNIT

Model name		AOHG90LRLA
Power source		400V 50Hz Three phase
Current	Cooling	13.5 A
	Heating	14.1 A

COMPRESSOR

Type	Scroll type, 3 pole, 3 phase, DC brushless motor
Discrimination	ANB66FVKMT
Weight (with oil)	37.6 kg

FAN MOTOR AND FAN REVOLUTION

Discrimination		MFE-ZA2VB2N
Cooling	Upper fan	730 rpm
	Lower fan	690 rpm
Heating	Upper fan	780 rpm
	Lower fan	740 rpm

REFRIGERANT

Refrigerant type		R410A
Precharged refrigerant		7,100 g
Additional charge	Liquid pipe Φ 12.7 mm	110 g/m
	Φ 9.52 mm	50 g/m

AIR CIRCULATION

Cooling	8,400 m3/h
Heating	9,000 m3/h

MEASUREMENT

Dimensions H x W x D	1,4280 x 1,080 x 480 mm
Weight Net / Shipping	172 kg / 190 kg

NOISE LEVEL

Cooling	55 dB
Heating	57 dB

INDOOR UNIT CEILING TYPE

FAN MOTOR AND FAN REVOLUTION

Model name		ABHG22LVTA	ABHG30LRTE	ABHG45LRTA
Discrimination		MFH-24RVL	MFH-45RVL	
Cooling	High	1,330 rpm	1,000 rpm	1,200 rpm
	Medium	1,150 rpm	910 rpm	1,000 rpm
	Low	1,000 rpm	750 rpm	830 rpm
	Quiet	780 rpm	650 rpm	680 rpm
Heating	High	1,300 rpm	1,000 rpm	1,200 rpm
	Medium	1,150 rpm	910 rpm	1,000 rpm
	Low	1,000 rpm	750 rpm	830 rpm
	Quiet	780 rpm	650 rpm	680 rpm

AIR CIRCULATION

Ventilation	High	980 m3/h	1,660 m3/h	2,100 m3/h
	Medium	820 m3/h	1,500 m3/h	1,700 m3/h
	Low	680 m3/h	1,200 m3/h	1,400 m3/h
	Quiet	540 m3/h	1,000 m3/h	1,100 m3/h

NOISE LEVEL

Cooling	High	48 dB	45 dB	49 dB
	Medium	44 dB	43 dB	45 dB
	Low	40 dB	37 dB	39 dB
	Quiet	35 dB	32 dB	34 dB
Heating	High	48 dB	45 dB	49 dB
	Medium	44 dB	43 dB	45 dB
	Low	40 dB	37 dB	39 dB
	Quiet	35 dB	32 dB	34 dB

MEASUREMENT

DIMENSIONS	H x W x D	199 x 990 x 655	240 x 1,660 x 700 mm
WEIGHT	Net / Shipping	27 kg / 36 kg	46 kg / 58 kg

INDOOR UNIT DUCT TYPE

FAN MOTOR AND FAN REVOLUTION

Model name		ARHG22LMLA	ARHG30LMLE	ARHG45LMLA
Discrimination		MFG-24RVAL	MFG-45RVN	
Cooling	High	830 rpm	1,130 rpm	1,350 rpm
	Medium	700 rpm	980 rpm	1,150 rpm
	Low	600 rpm	790 rpm	910 rpm
	Quiet	550 rpm	630 rpm	770 rpm
Heating	High	830 rpm	1,270 rpm	1,350 rpm
	Medium	700 rpm	980 rpm	1,150 rpm
	Low	600 rpm	790 rpm	910 rpm
	Quiet	550 rpm	630 rpm	770 rpm

AIR CIRCULATION

Ventilation	High	1,100 m3/h	2,100 m3/h	2,100 m3/h
	Medium	910 m3/h	1,620 m3/h	1,750 m3/h
	Low	750 m3/h	1,270 m3/h	1,350 m3/h
	Quiet	580 m3/h	980 m3/h	1,070 m3/h

NOISE LEVEL

Cooling	High	31 dB	39 dB	42 dB
	Medium	29 dB	35 dB	38 dB
	Low	27 dB	30 dB	32 dB
	Quiet	25 dB	26 dB	28 dB
Heating	High	31 dB	42 dB	42 dB
	Medium	29 dB	35 dB	38 dB
	Low	27 dB	30 dB	32 dB
	Quiet	25 dB	26 dB	28 dB

MEASUREMENT

DIMENSIONS	H x W x D	270 x 1,135 x 700 mm		
WEIGHT	Net / Shipping	38 kg / 44 kg	40 kg / 47 kg	

INDOOR UNIT CASSETTE TYPE

FAN MOTOR AND FAN REVOLUTION

Model name		AUHG22LVLA	AUHG30LRLE	AUHG45LRLA
Discrimination		MFF-24RVL	MFF-54CVL	
Cooling	High	960 rpm	570 rpm	690 rpm
	Medium	850 rpm	510 rpm	610 rpm
	Low	650 rpm	470 rpm	550 rpm
	Quiet	500 rpm	420 rpm	470 rpm
Heating	High	960 rpm	570 rpm	690 rpm
	Medium	880 rpm	510 rpm	610 rpm
	Low	740 rpm	470 rpm	550 rpm
	Quiet	580 rpm	420 rpm	470 rpm

AIR CIRCULATION

Ventilation	High	930 m3/h	1,600 m3/h	1,900 m3/h
	Medium	830 m3/h	1,400 m3/h	1,640 m3/h
	Low	600 m3/h	1,270 m3/h	1,460 m3/h
	Quiet	450 m3/h	1,150 m3/h	1,250 m3/h

NOISE LEVEL

Cooling	High	49 dB	40 dB	46 dB
	Medium	44 dB	38 dB	42 dB
	Low	36 dB	36 dB	40 dB
	Quiet	30 dB	32 dB	36 dB
Heating	High	49 dB	40 dB	46 dB
	Medium	45 dB	38 dB	42 dB
	Low	40 dB	36 dB	40 dB
	Quiet	33 dB	32 dB	36 dB

MEASUREMENT

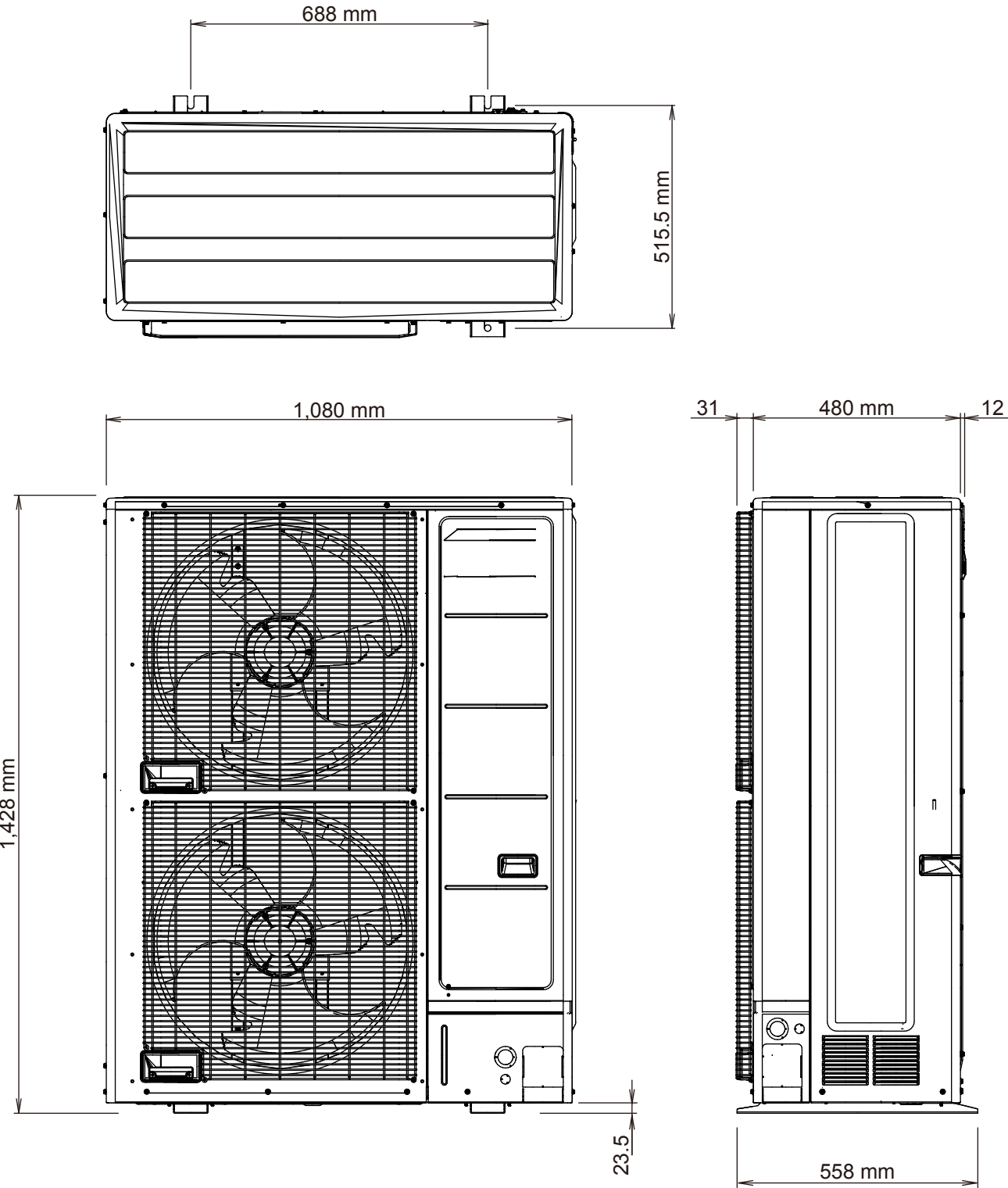
DIMENSIONS	H x W x D	245 x 570 x 570	280 x 840 x 840 mm
WEIGHT	Net / Shipping	16 kg / 19 kg	26 kg / 31 kg

DECORATION PANL MEASUREMENT

MODEL NAME	UTG-UFGD-W	UTG-UGGA-W
DIMENSIONS	H x W x D	49 x 700 x 700
WEIGHT	Net / Shipping	2.6 kg / 4.5 kg
		5.5 kg / 8.5 kg

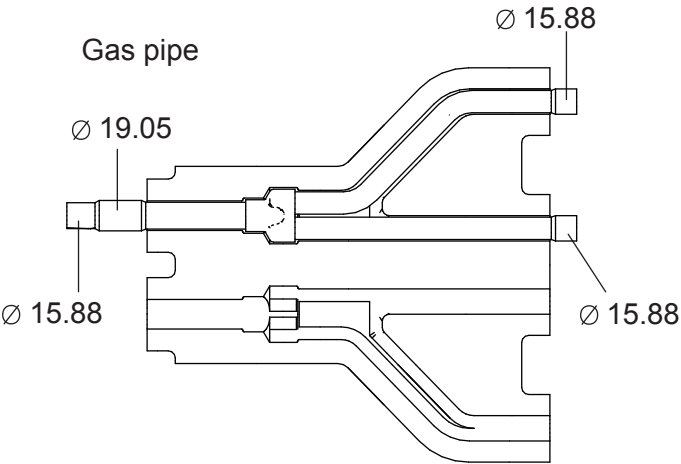
DIMENSIONS

OUTDOOR UNIT
AOHG90LRLA

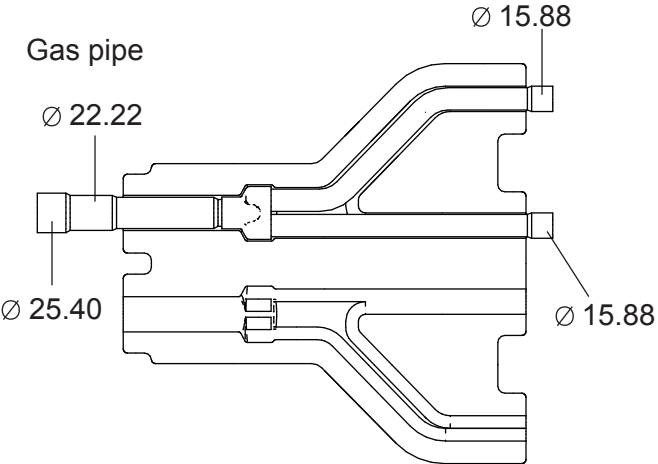


BRANCH PIPE
(unit : mm)

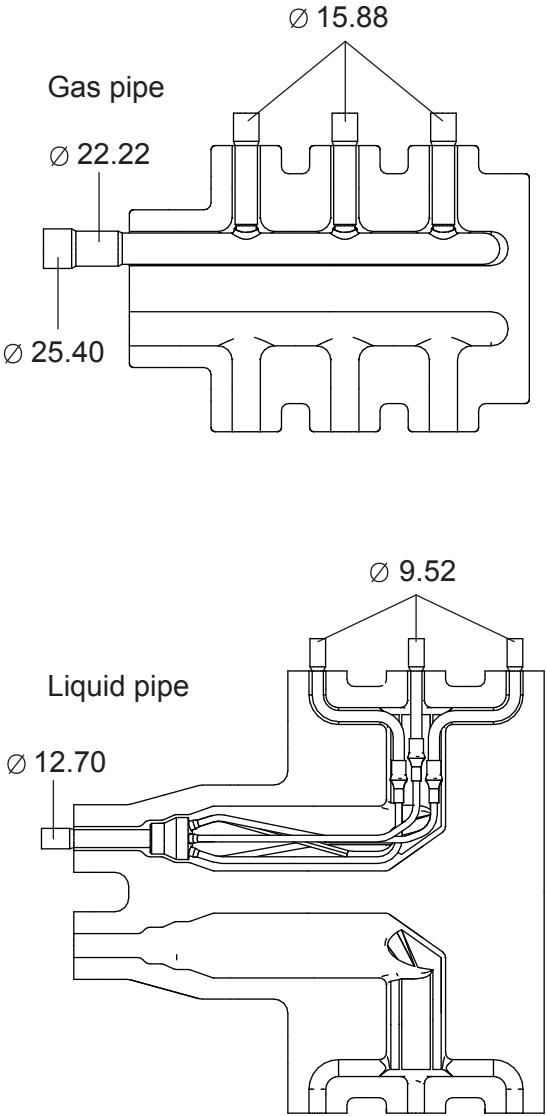
UTP-SX254A



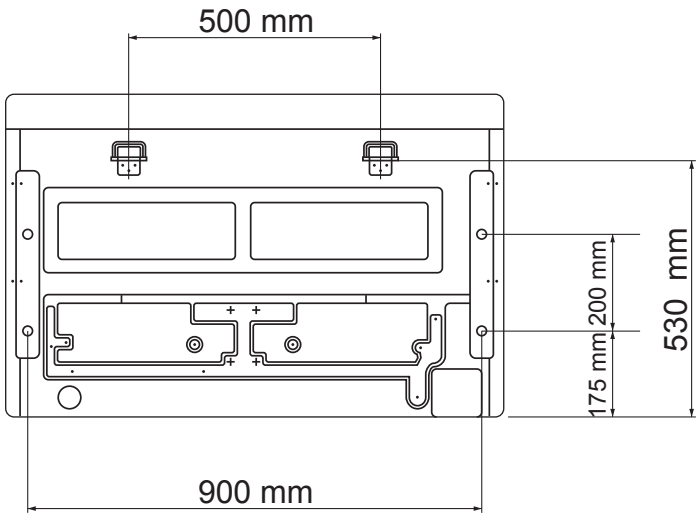
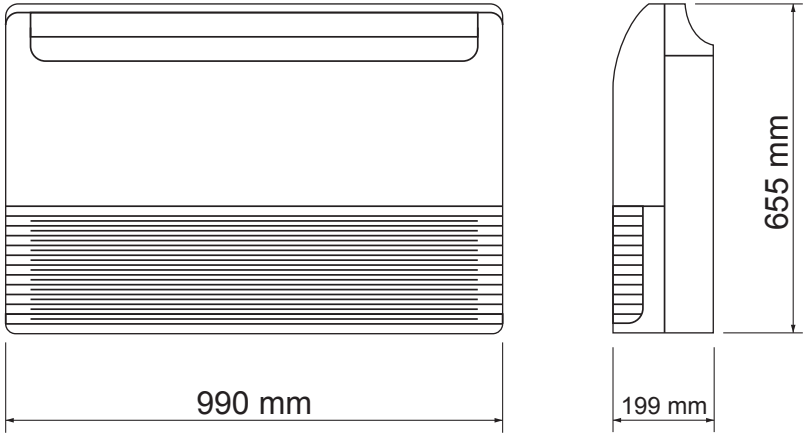
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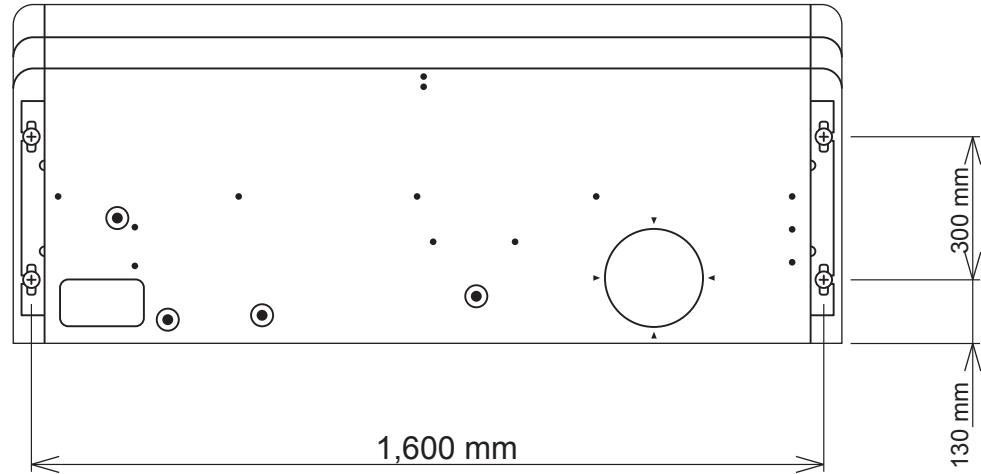
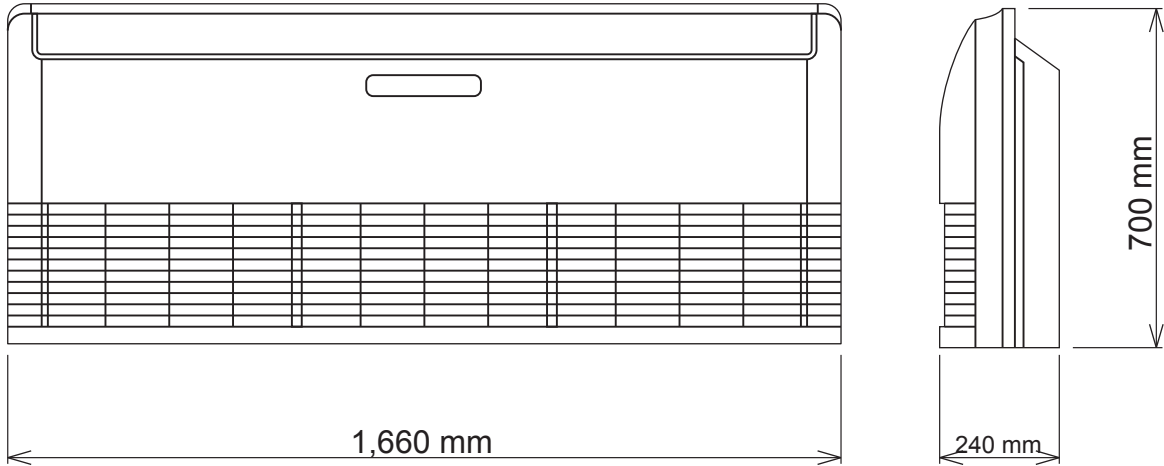
UTP-SX372A



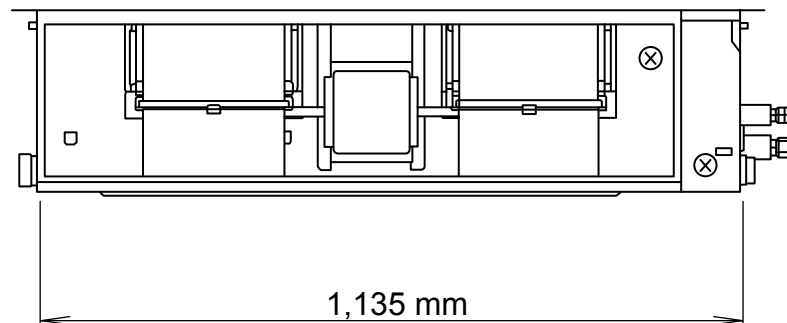
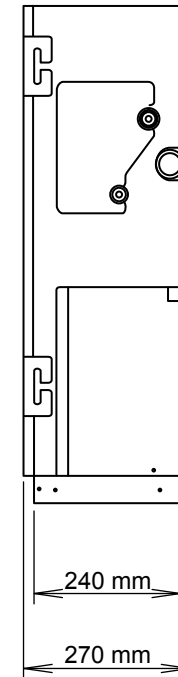
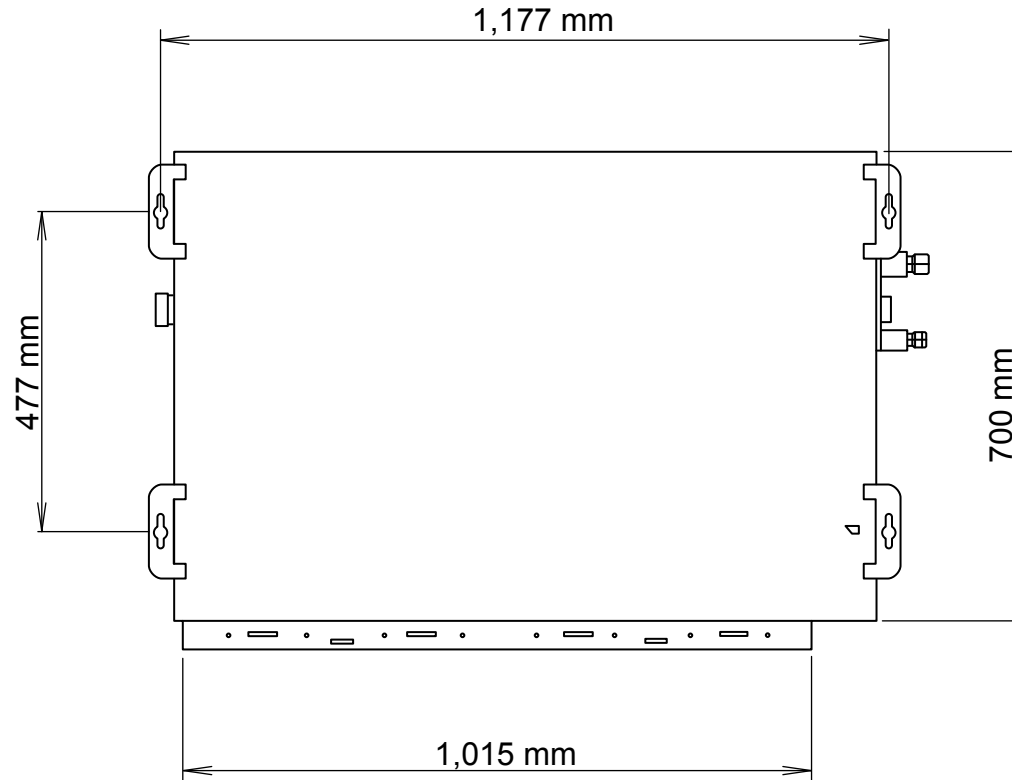
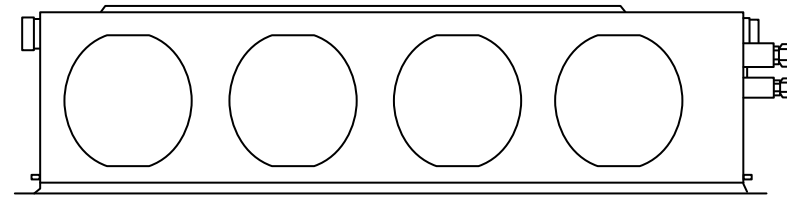
INDOOR UNIT
CEILING
ABHG22LVTA



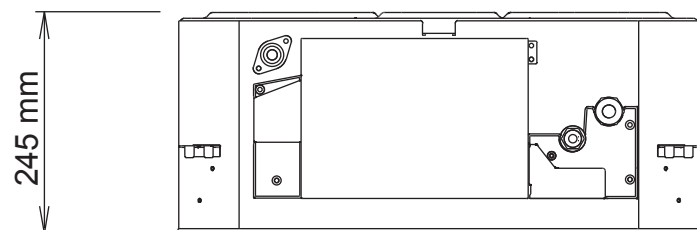
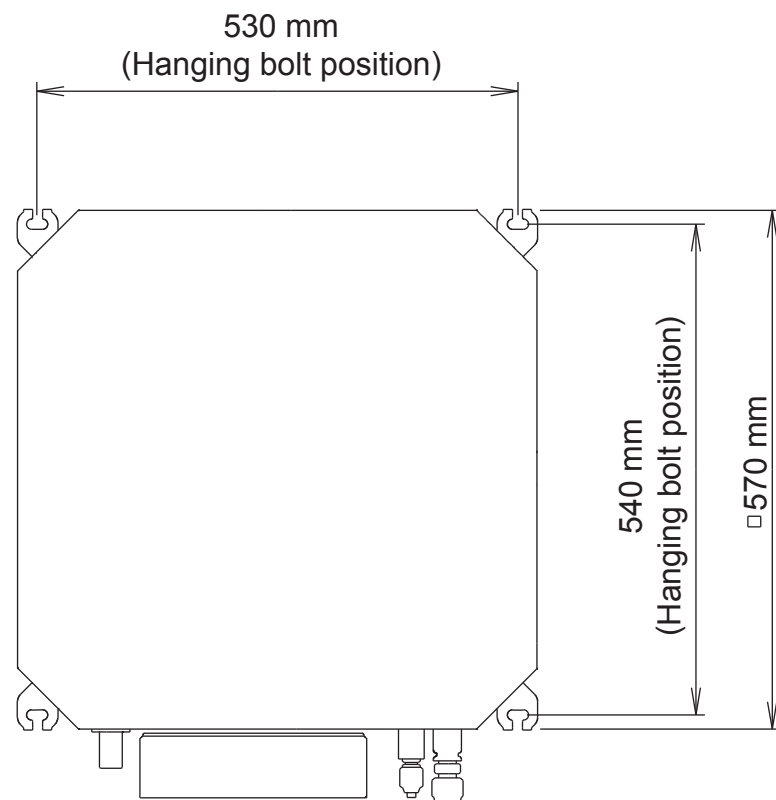
ABHG30LRTE
ABHG45LRTA



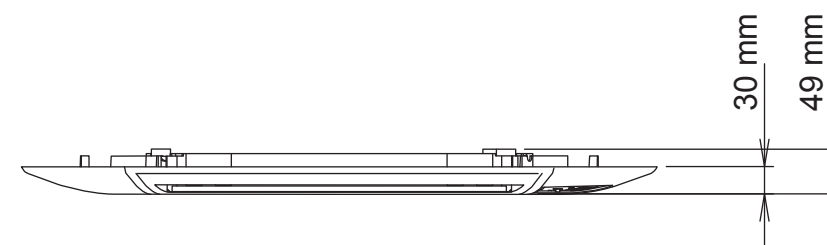
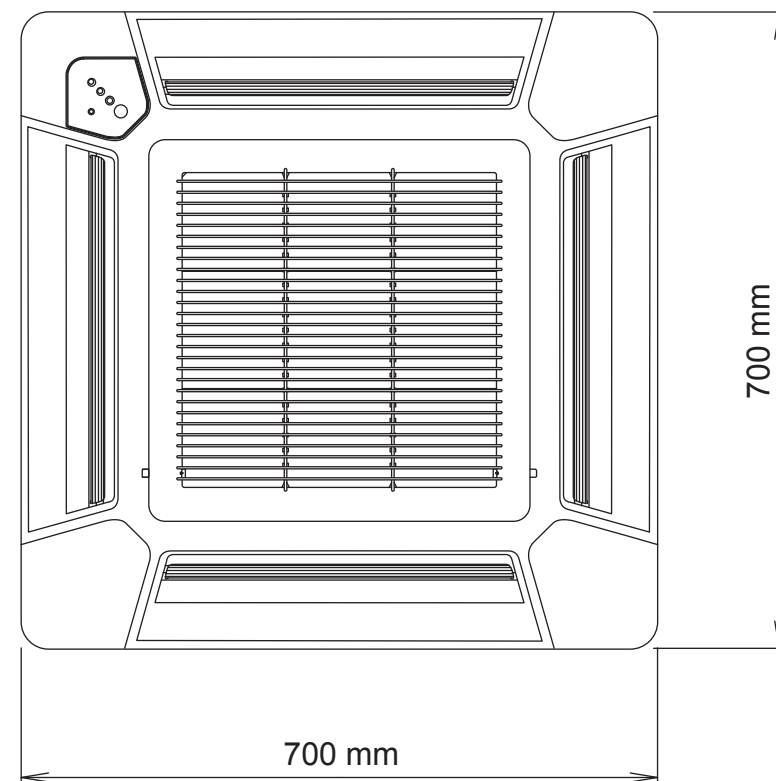
INDOOR UNIT
DUCT
ARHG22LMLA
ARHG30LMLE
ARHG45LMLA



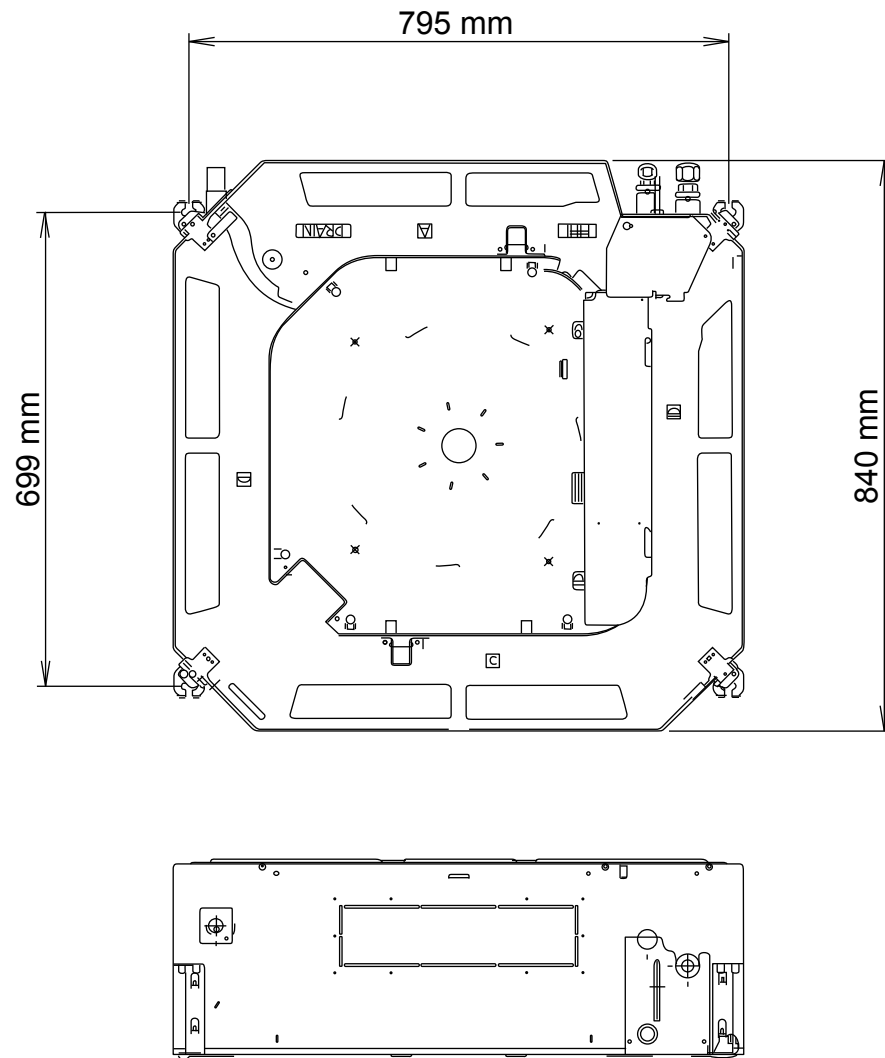
INDOOR UNIT
CASSETTE
AUHG22LVLA



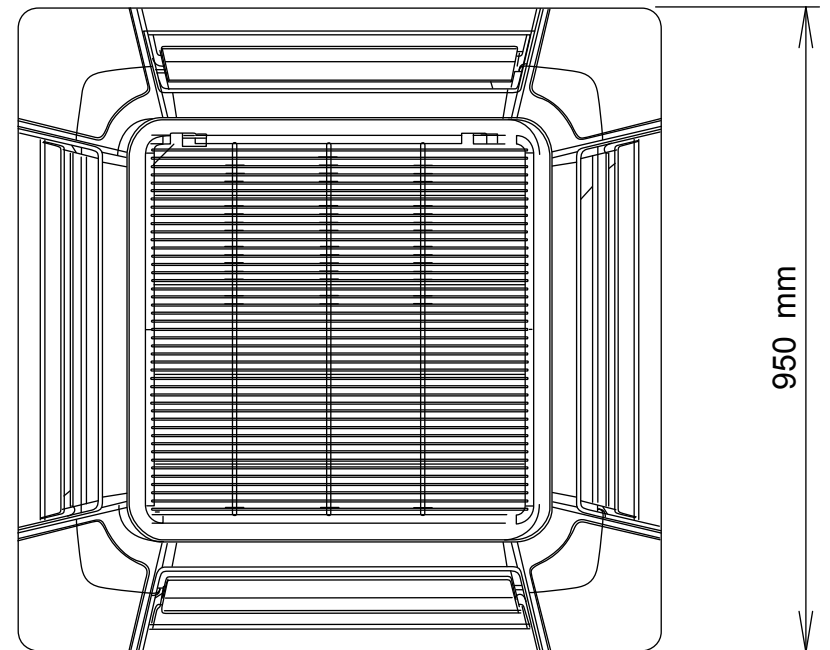
DECORATION PANEL
UTG-UFGD-W



INDOOR UNIT
AUHG30LRLE
AUHG45LRLA



DECORATION PANEL
UTG-UGGA-W



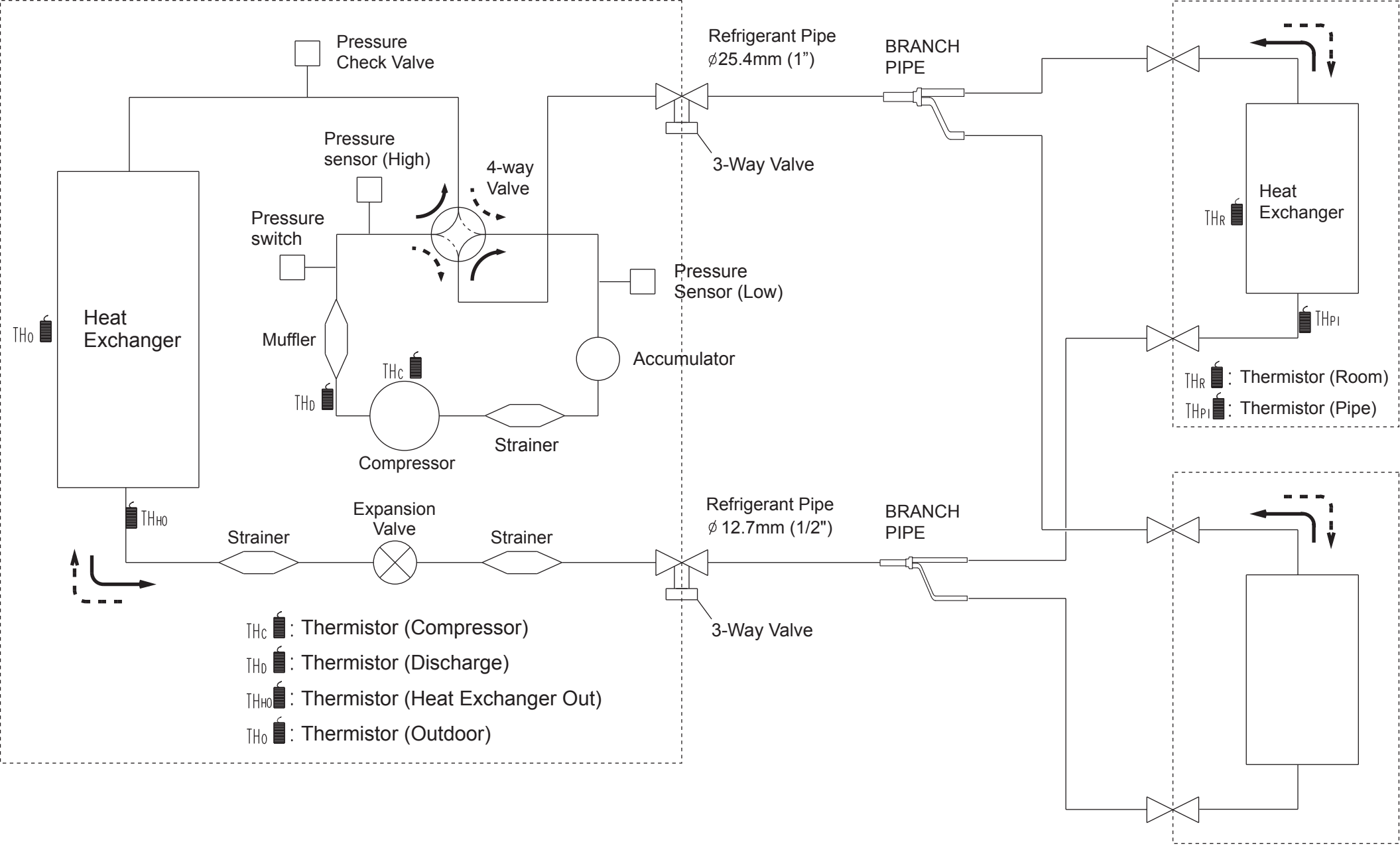
REFRIGERANT
SYSTEM DIAGRAM

Twin type

Refrigerant flow
—→ : Cool
- - -→ : Heat

OUTDOOR UNIT

INDOOR UNIT



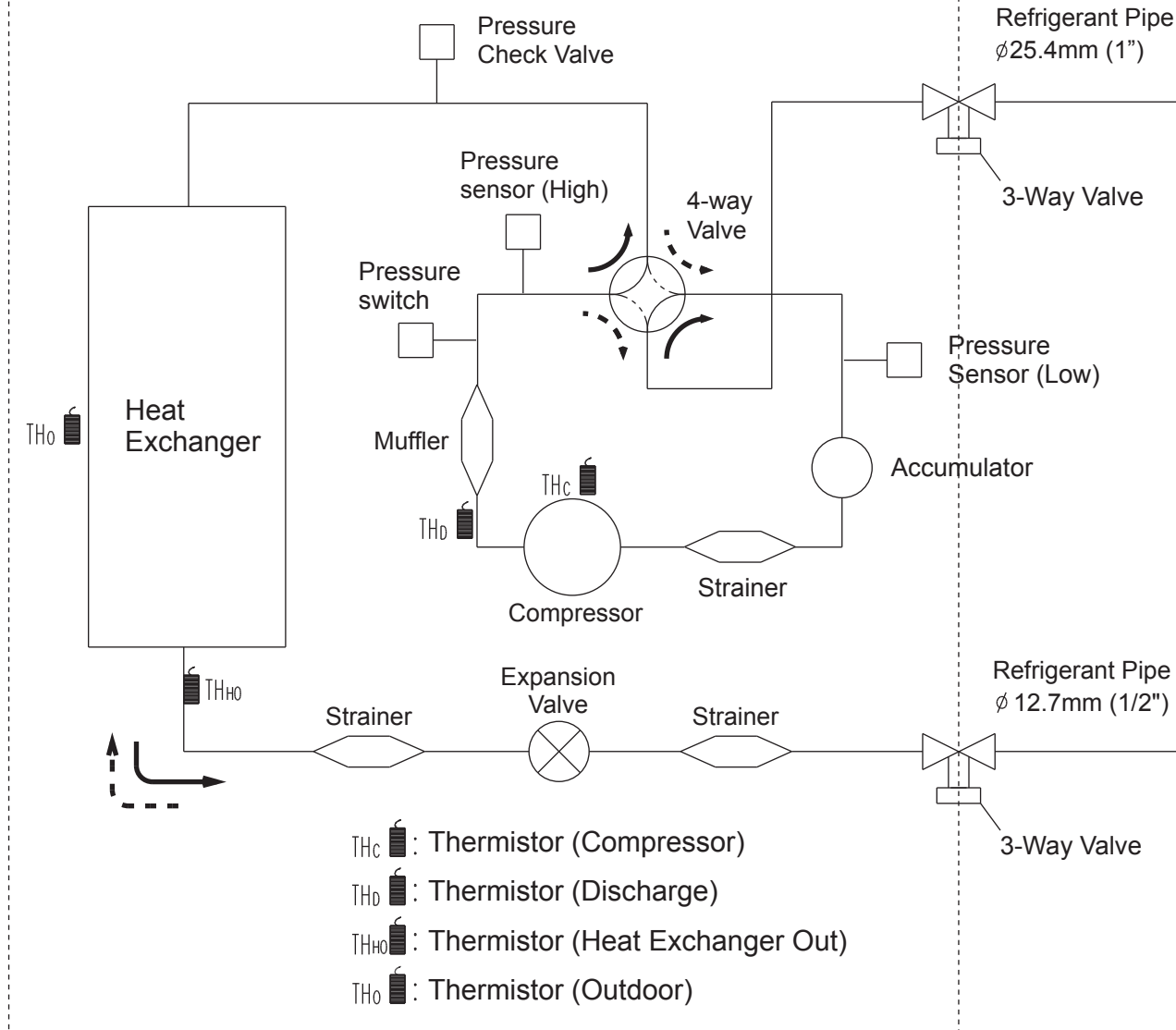
Refrigerant flow

—→ : Cool

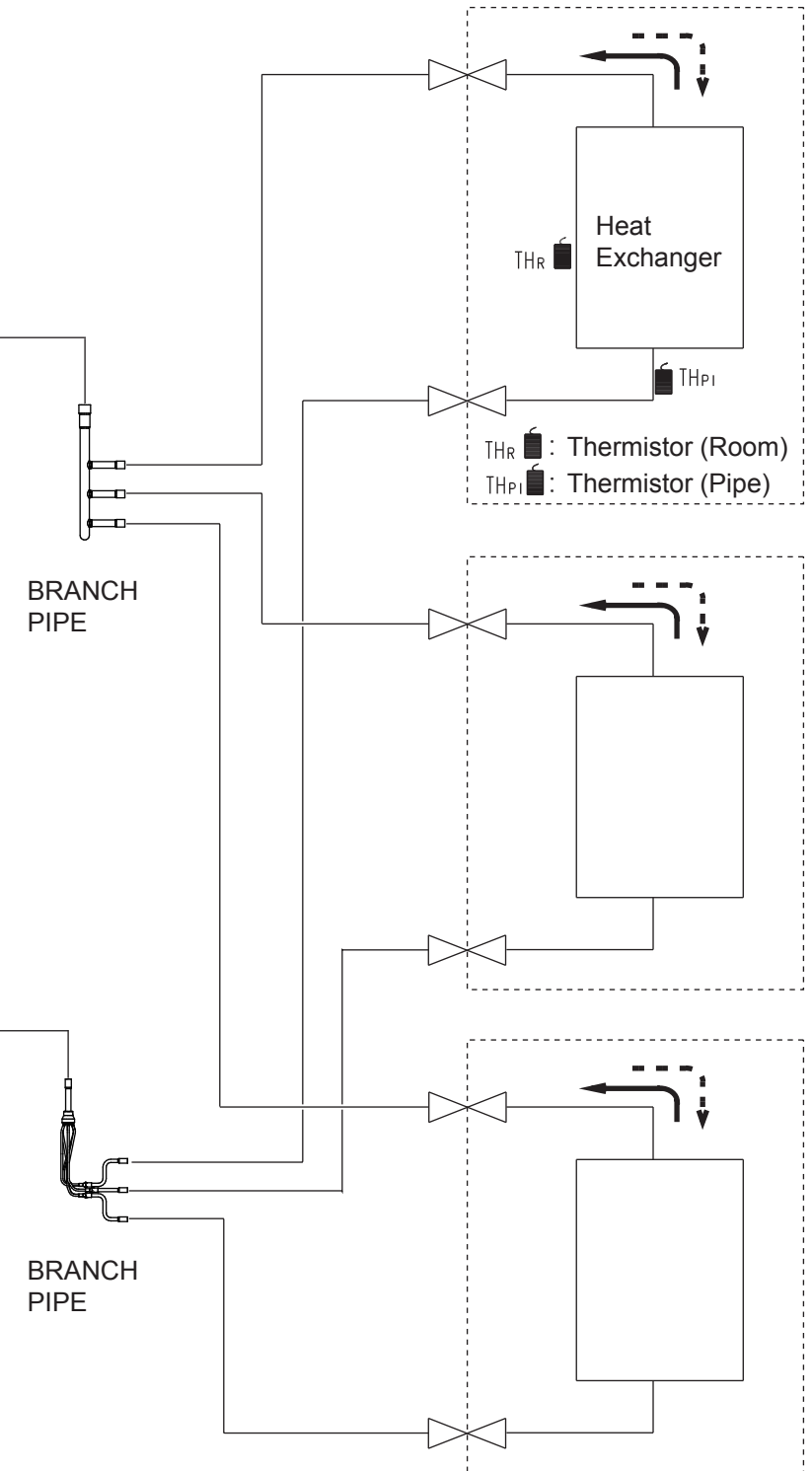
- - -→ : Heat

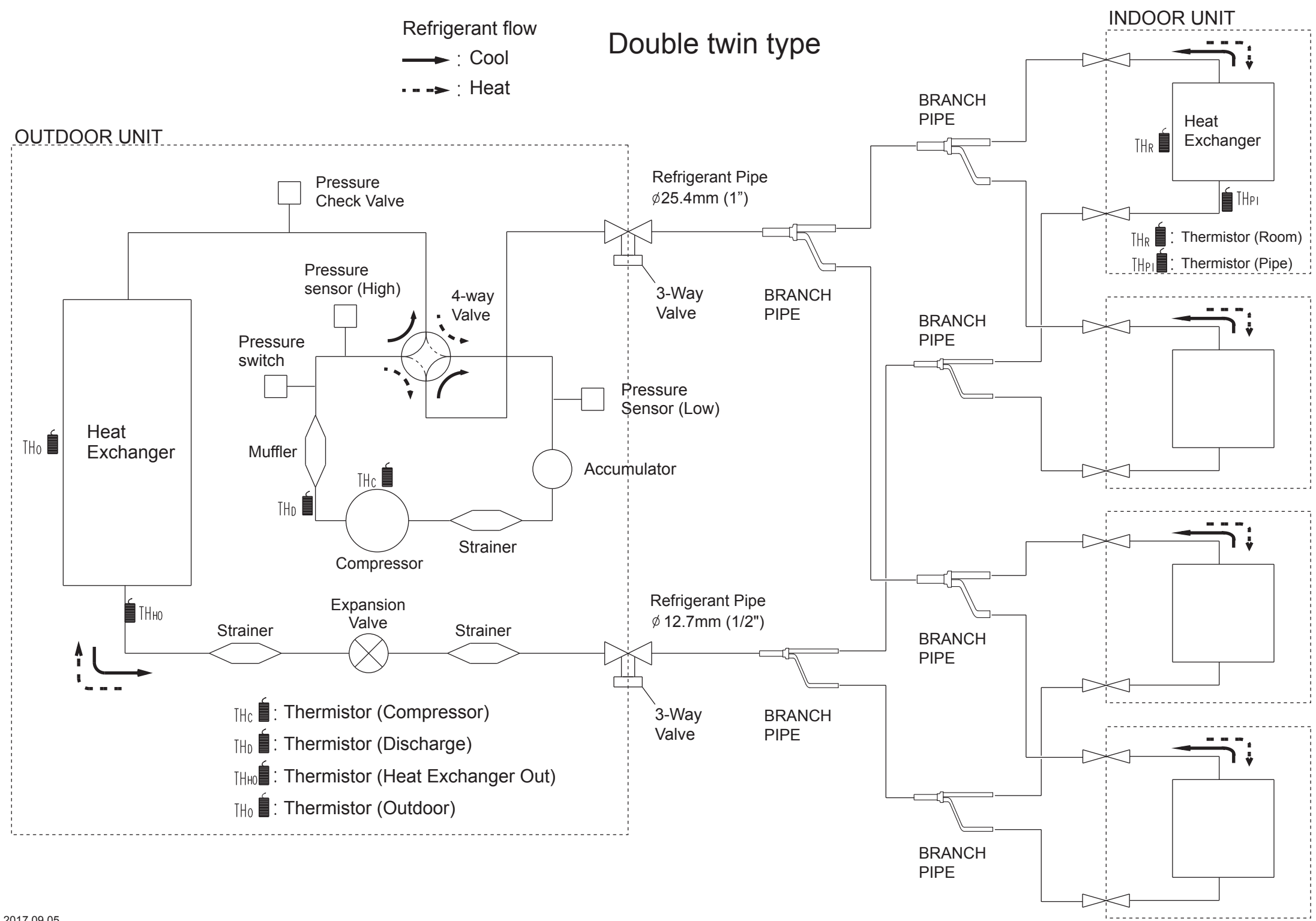
Triple type

OUTDOOR UNIT

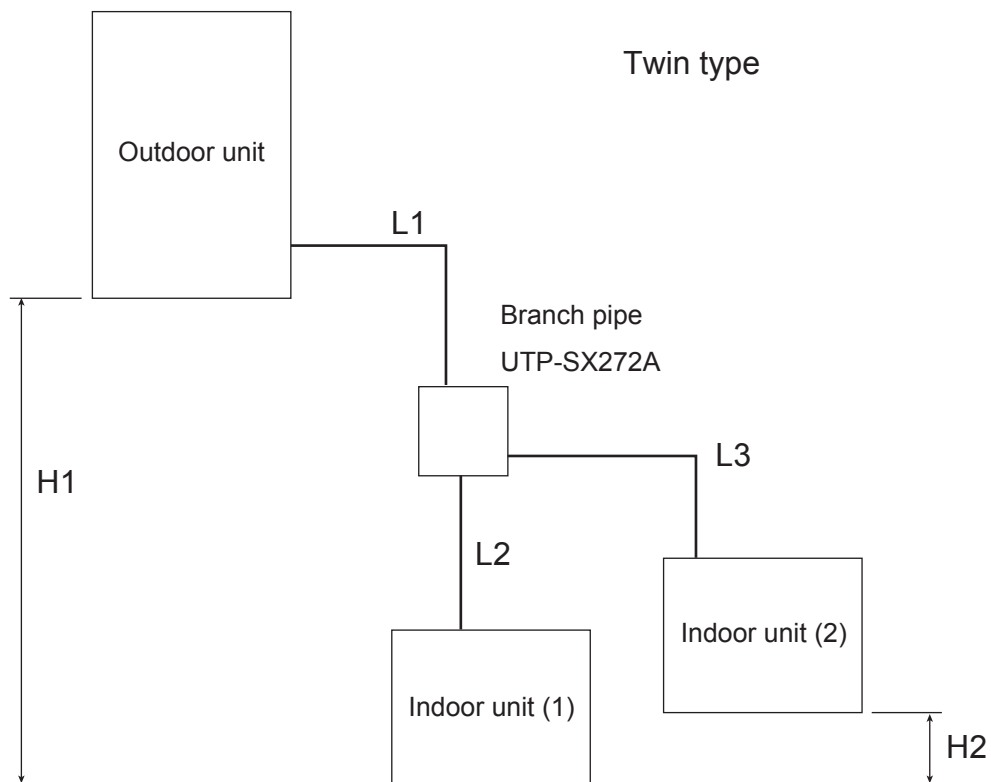


INDOOR UNIT





LIMITATION OF PIPE CONNECTION



Maximum length of total pipe

$$L1 + L2 + L3 = 100\text{m}$$

Maximum length of branch piping

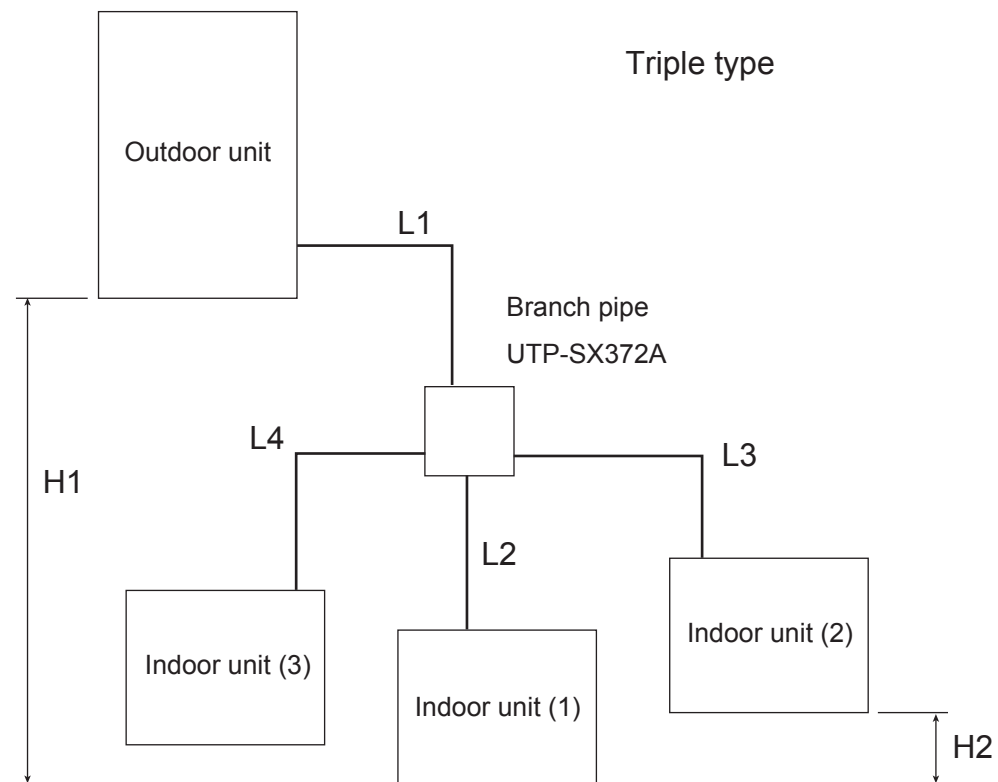
$$L2 = 20\text{m} \quad L3 = 20\text{m}$$

Maximum height between indoor and outdoor units

$$H1 = 30\text{m}$$

Maximum height between indoor units

$$H2 = 0.5\text{m}$$



Maximum length of total pipe

$$L1 + L2 + L3 + L4 = 100\text{m}$$

Maximum length of branch piping

$$L2 = 20\text{m} \quad L3 = 20\text{m} \quad L4 = 20\text{m}$$

Maximum height between indoor and outdoor units

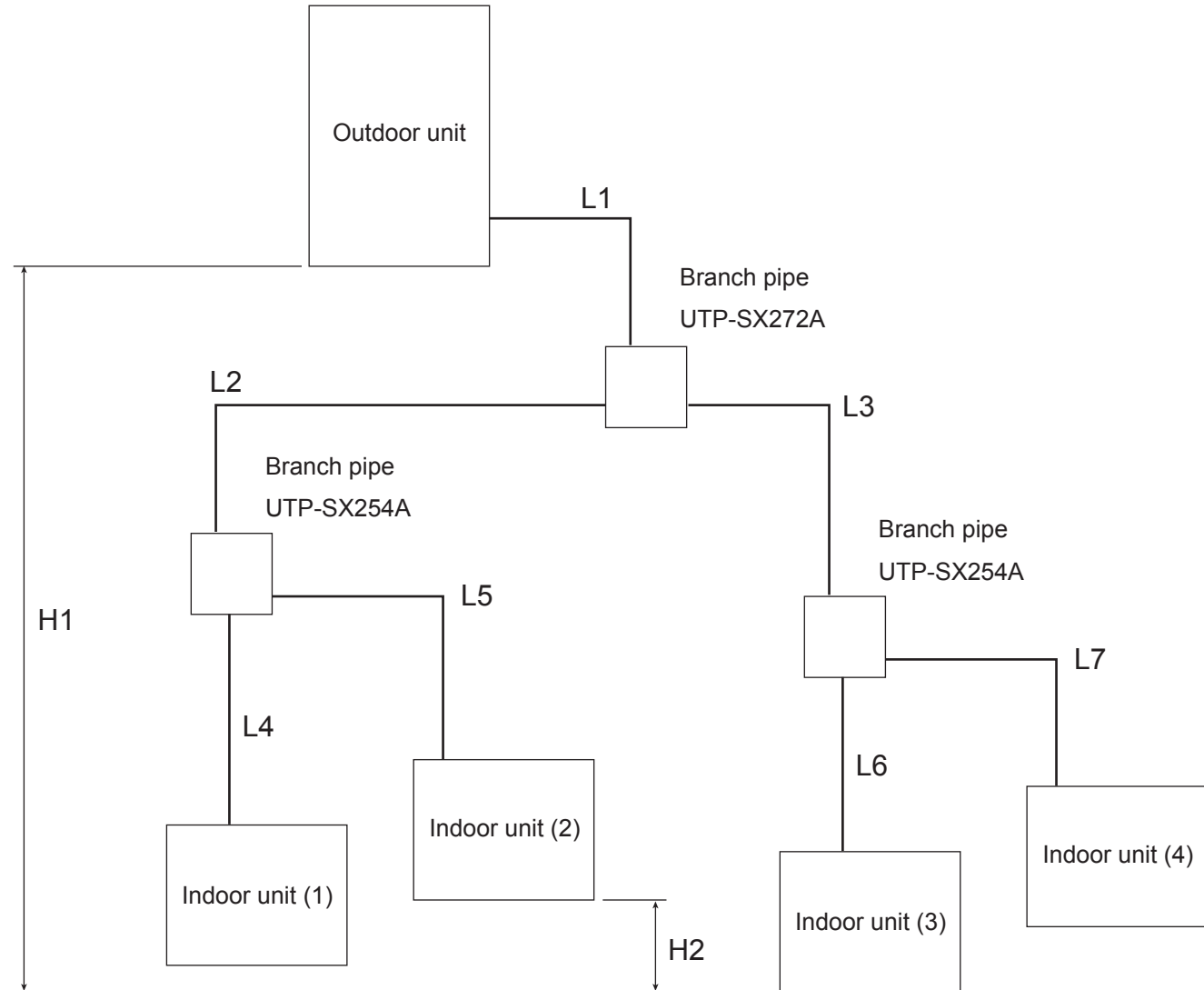
$$H1 = 30\text{m}$$

Maximum height between indoor units

$$H2 = 0.5\text{m}$$

LIMITATION OF PIPE CONNECTION

Double twin type



Maximum length of total pipe

$$L1 + L2 + L3 + L4 + L5 + L6 + L7 = 100\text{m}$$

Maximum length of branch piping

$$L2 + L4 = 20\text{m} \quad L2 + L5 = 20\text{m}$$

$$L3 + L6 = 20\text{m} \quad L3 + L7 = 20\text{m}$$

Maximum height between indoor and outdoor units

$$H1 = 30\text{m}$$

Maximum height between indoor units

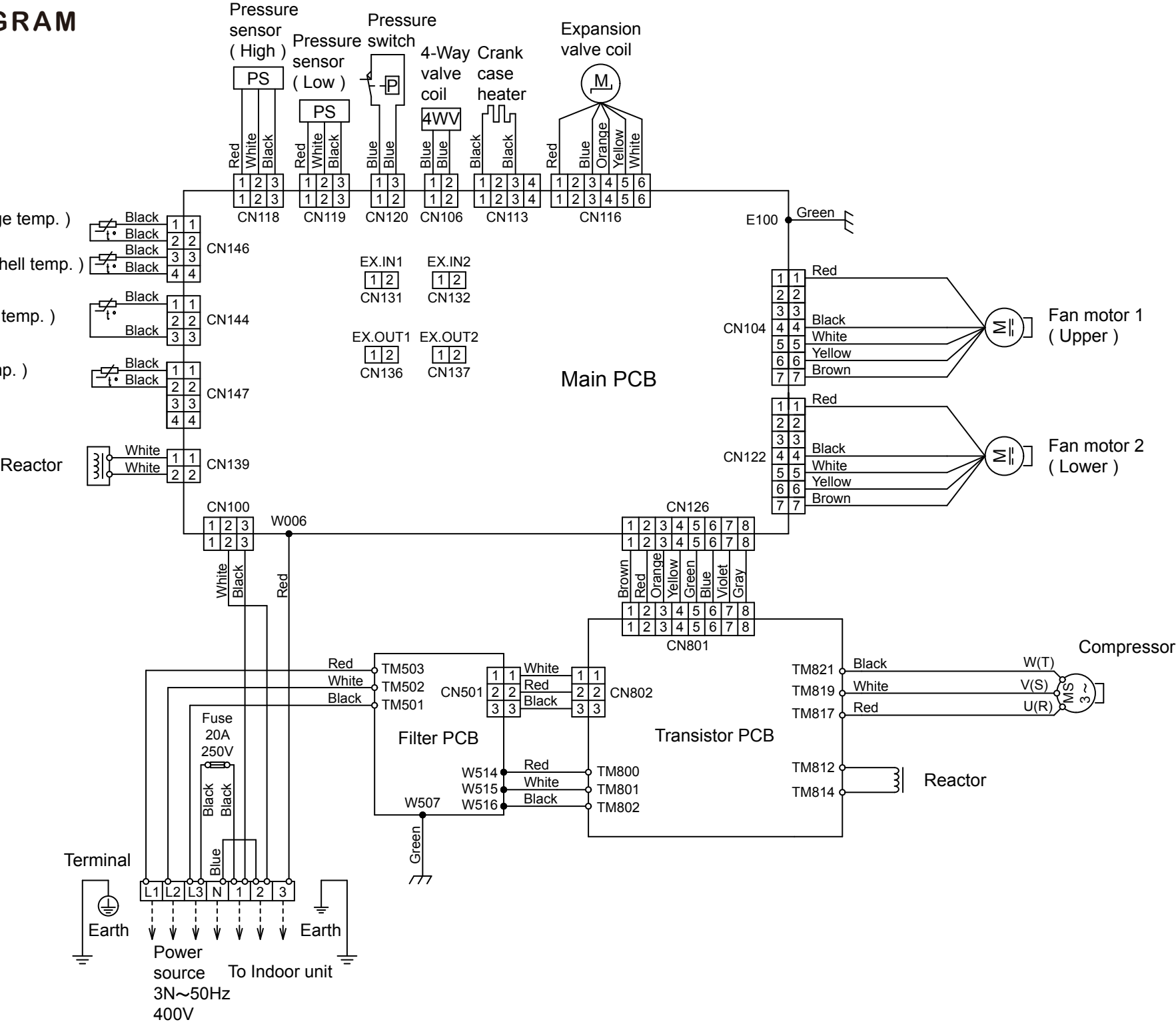
$$H2 = 0.5\text{m}$$

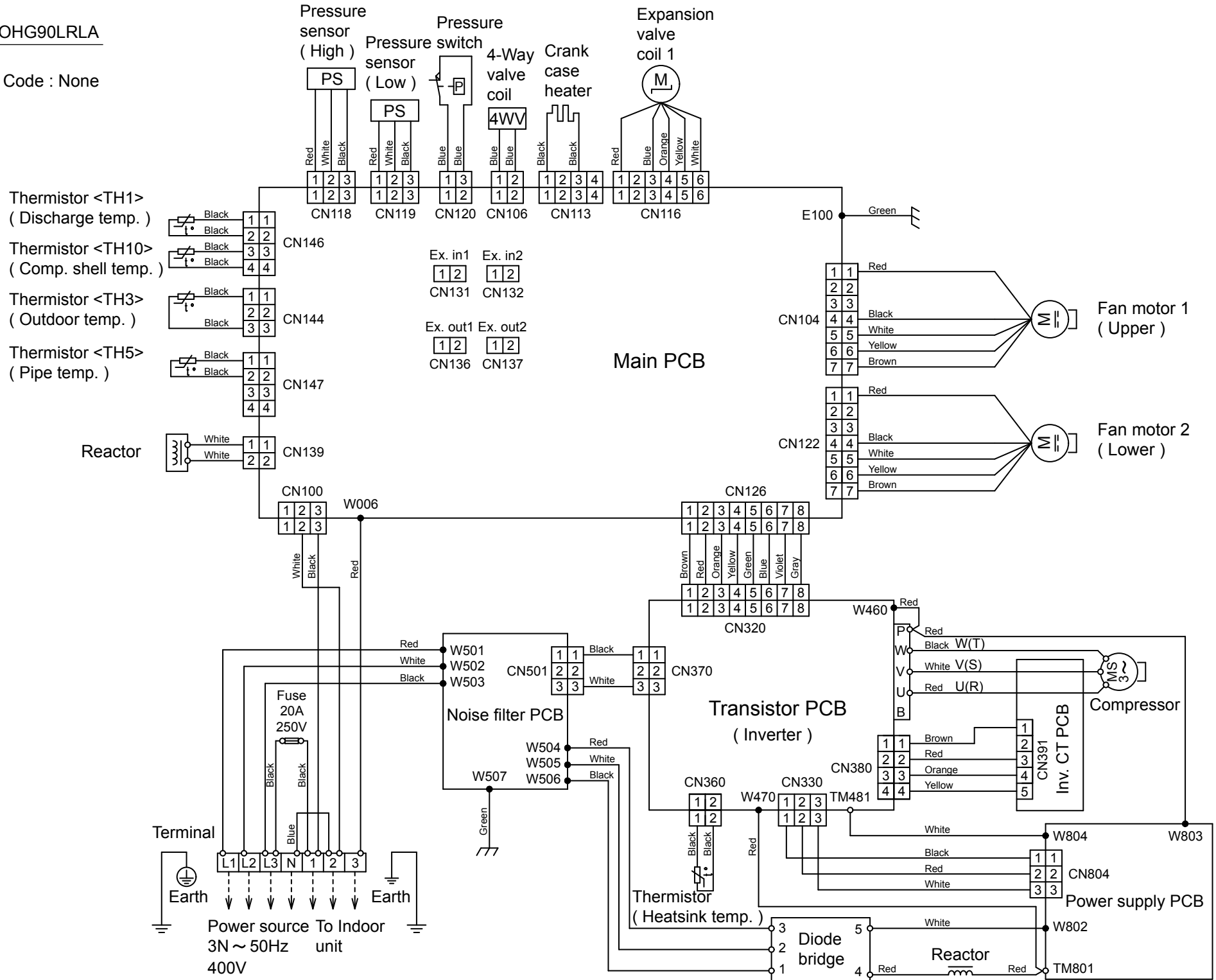
CIRCUIT DIAGRAM

Model : AOHG90LRLA

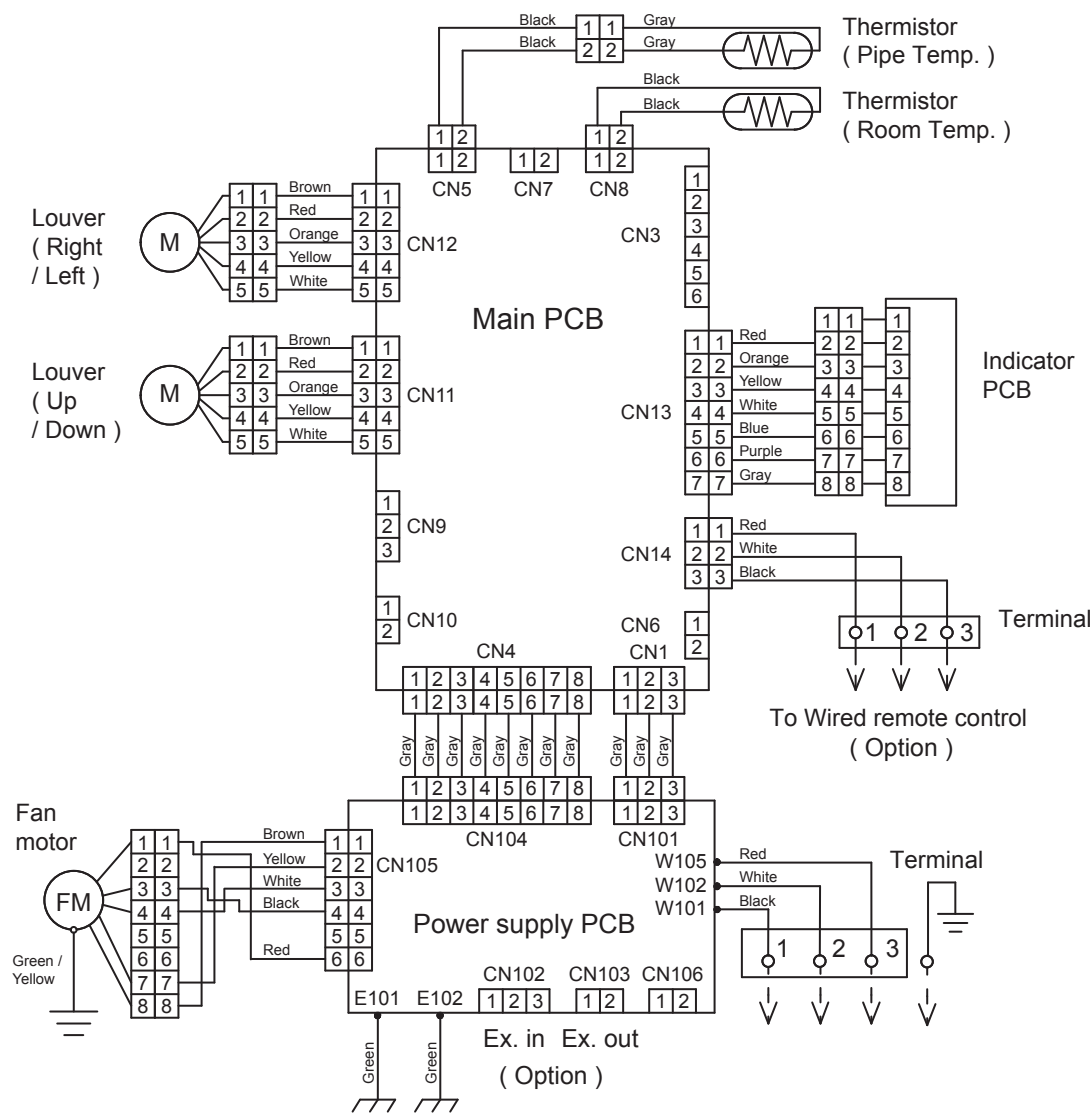
Revision Code : A

- Thermistor (Discharge temp.)
<TH1>
- Thermistor (Comp. shell temp.)
<TH10>
- Thermistor (Outdoor temp.)
<TH3>
- Thermistor (Pipe temp.)
<TH5>

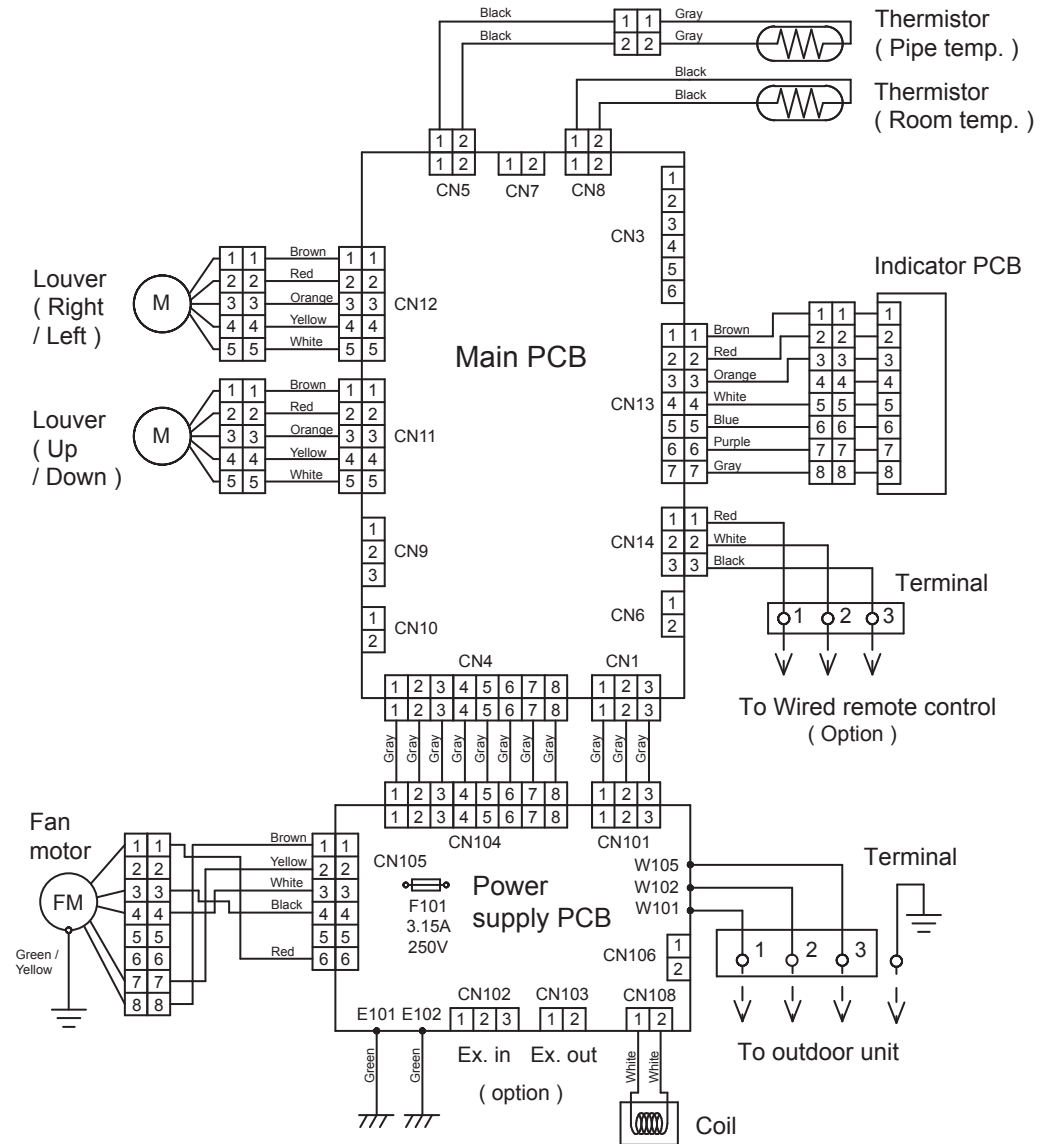




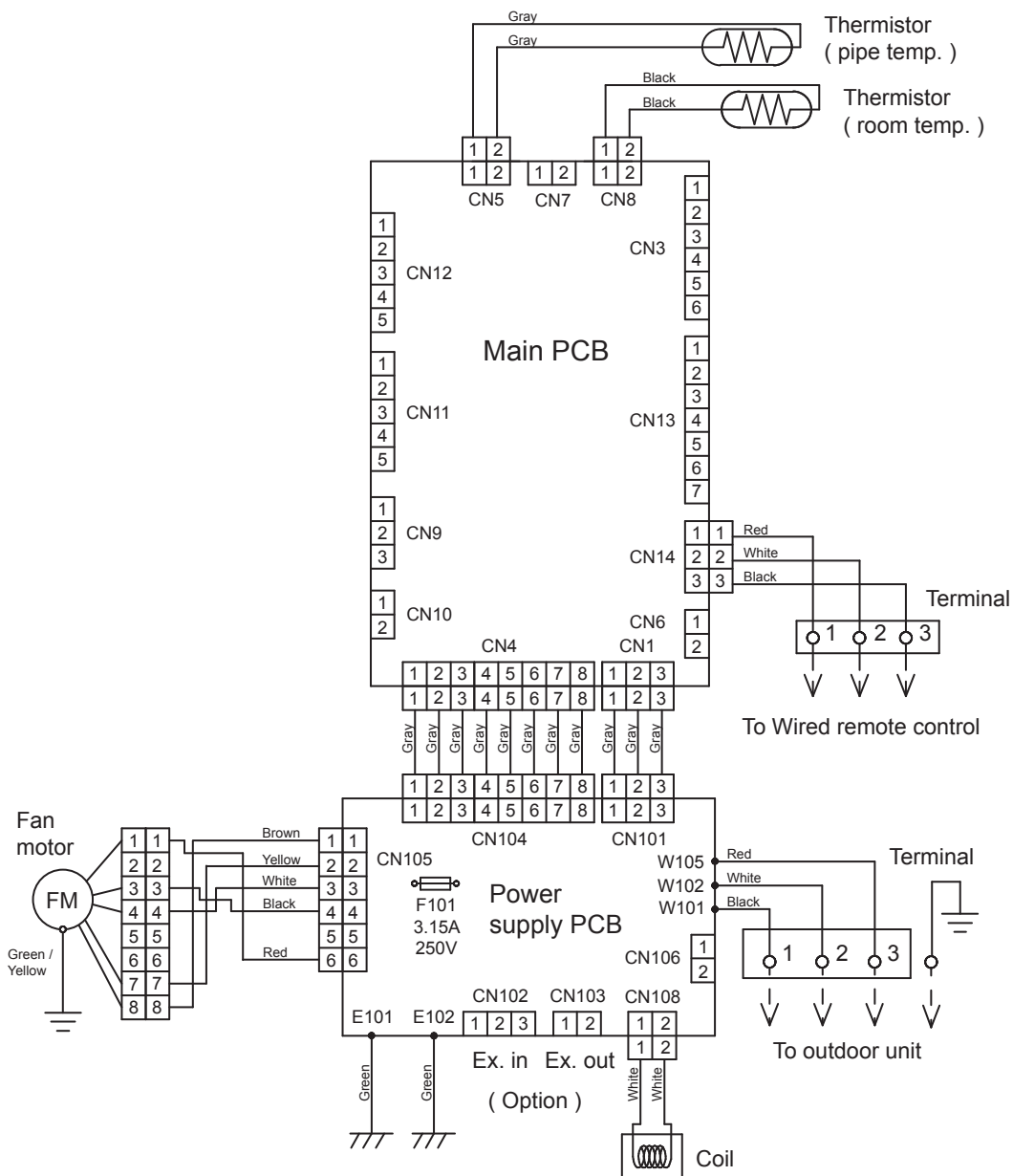
Model : ABHG22LVTA



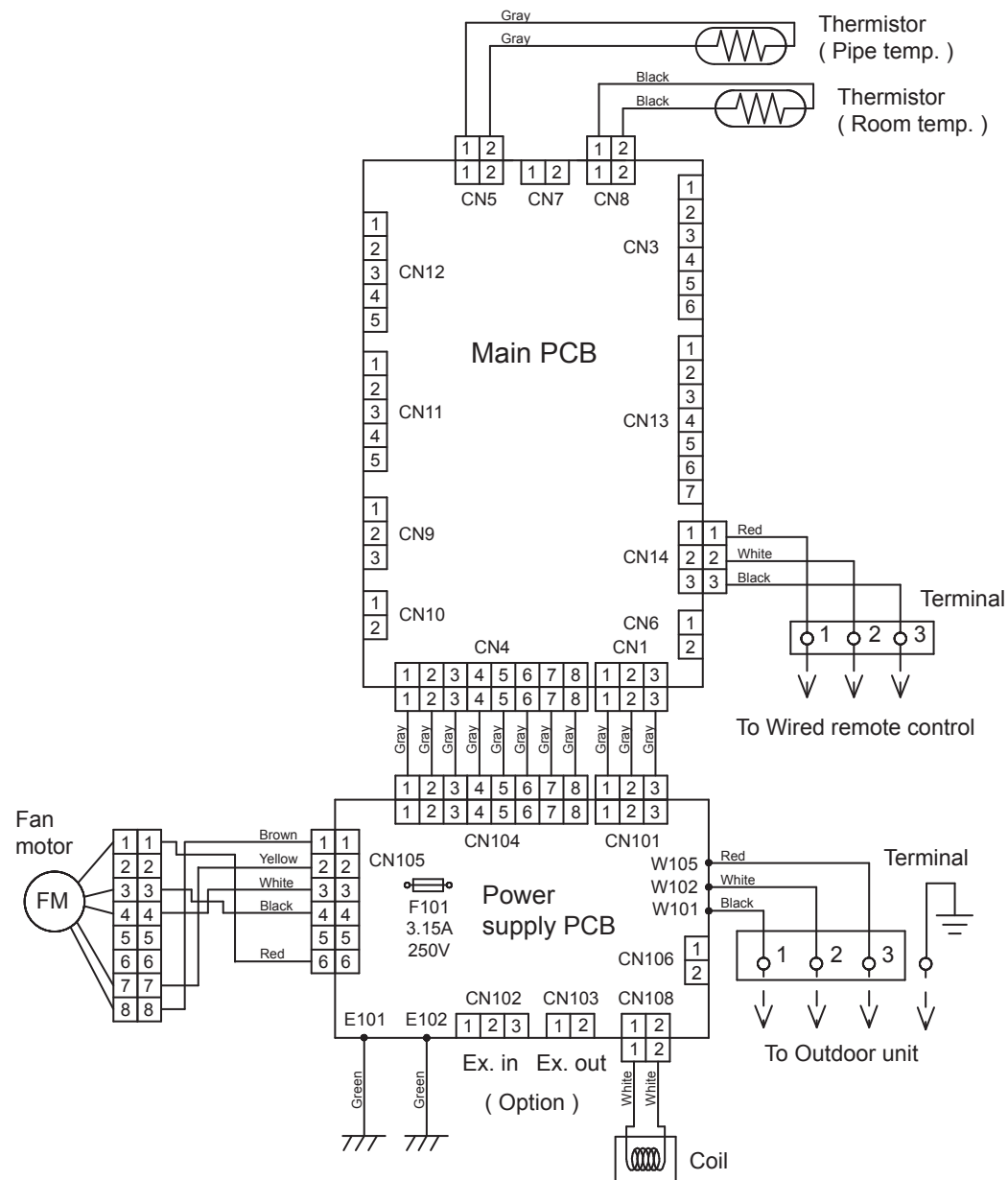
Models : ABHG30LRTE
ABHG45LRTA



Model : ARHG22LMLA

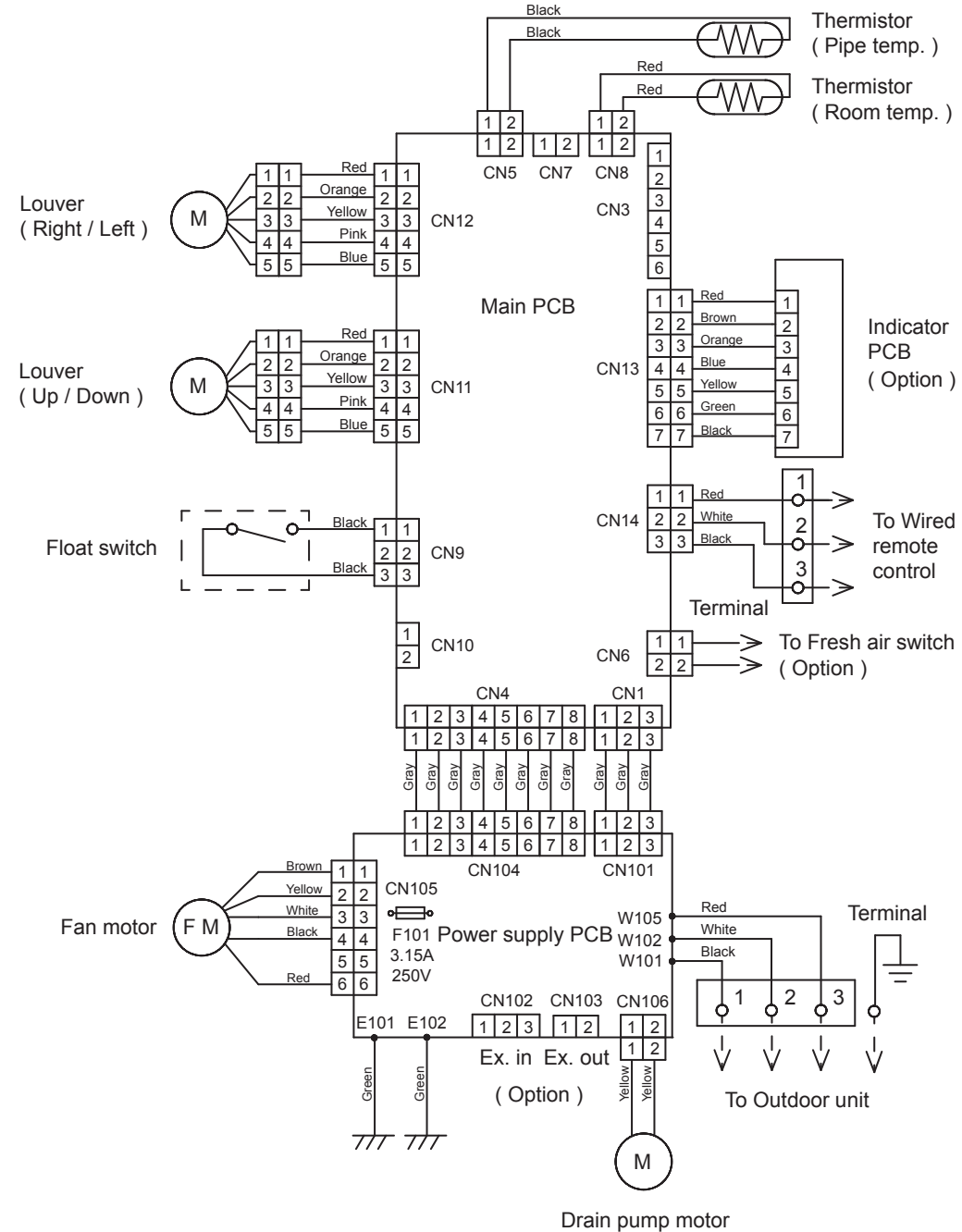
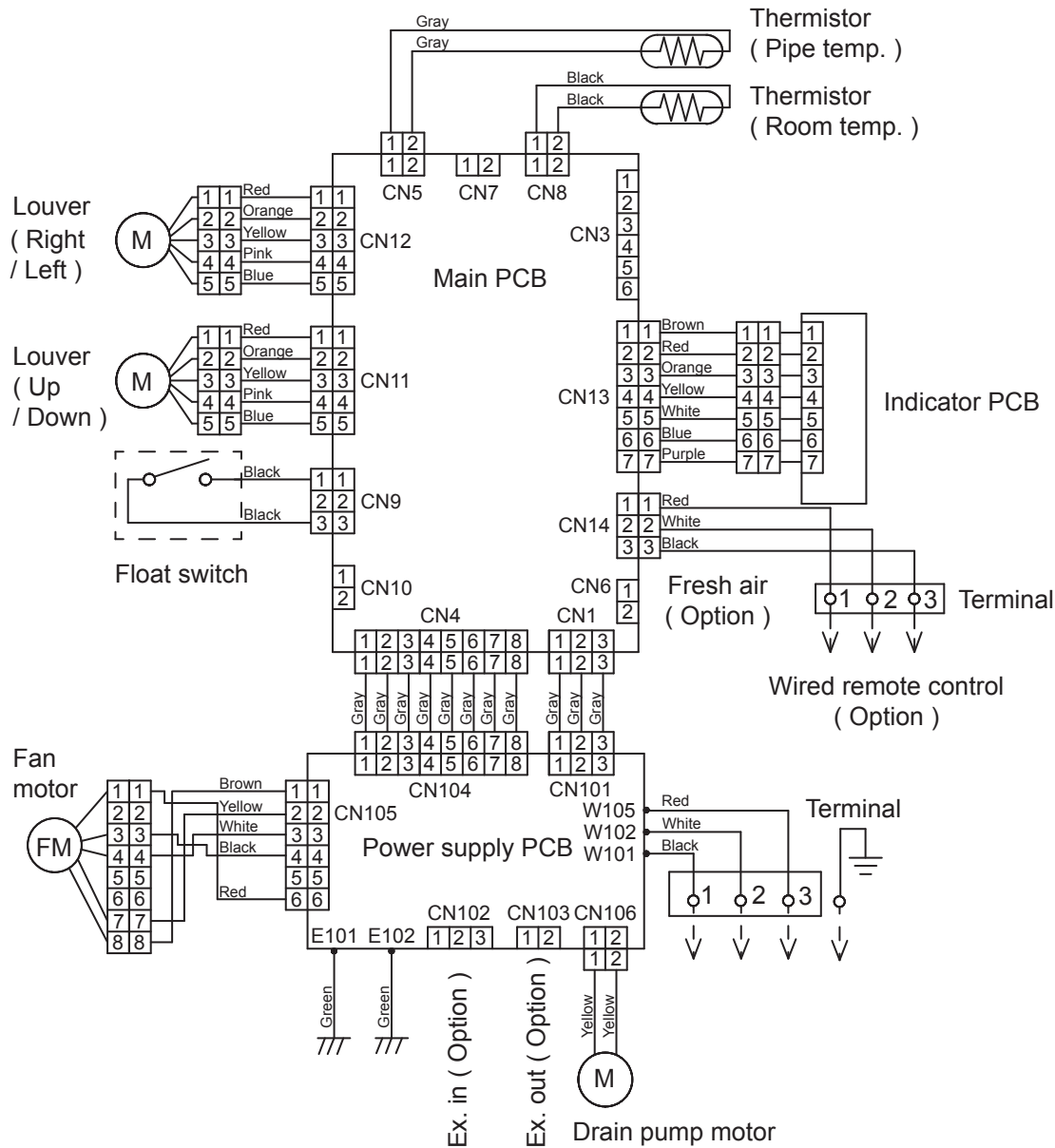


Models : ARHG30LMLE
ARHG45LMLA



Models : AUHG22LVLA
UTG-UFGD-W

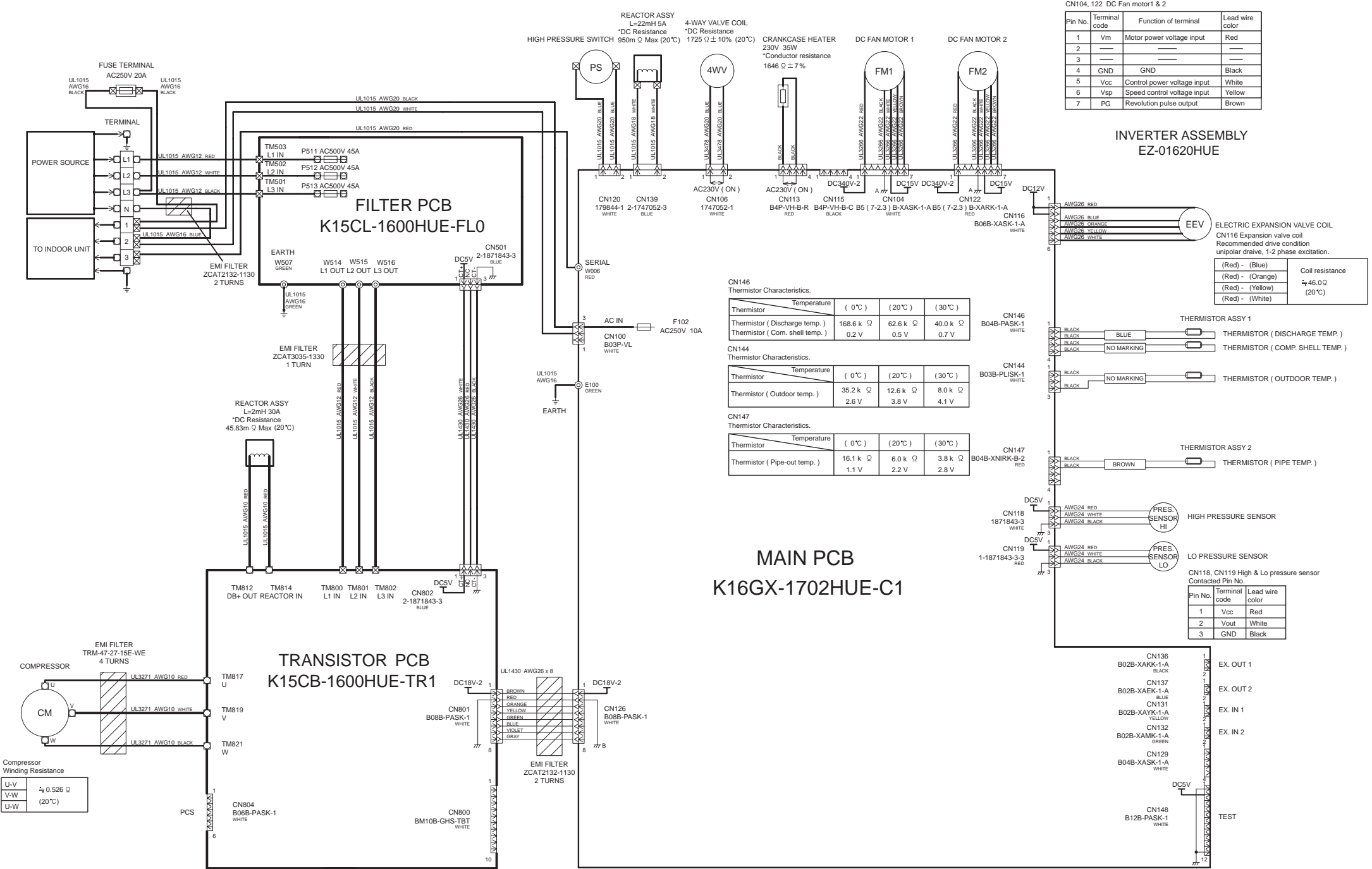
Models : AUHG30LRLE
AUHG45LRLA
UTG-UGGA-W (Option)



PCB CIRCUIT DIAGRAM

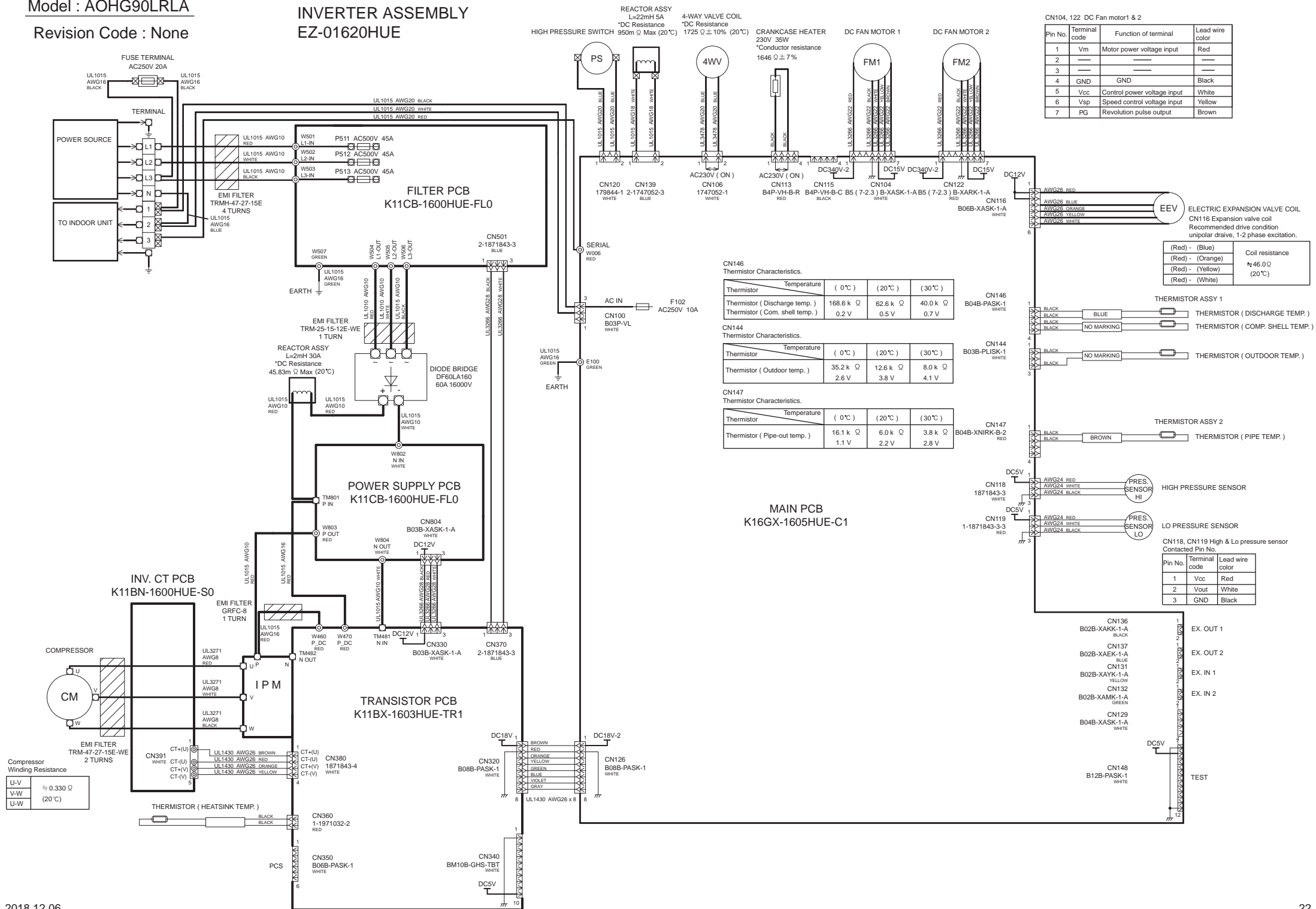
INVERTER ASSEMBLY EZ-0172HUE

Revision Code : A



INVERTER ASSEMBLY
EZ-01620HUE

Revision Code : None



Model : ABHG22LVTA

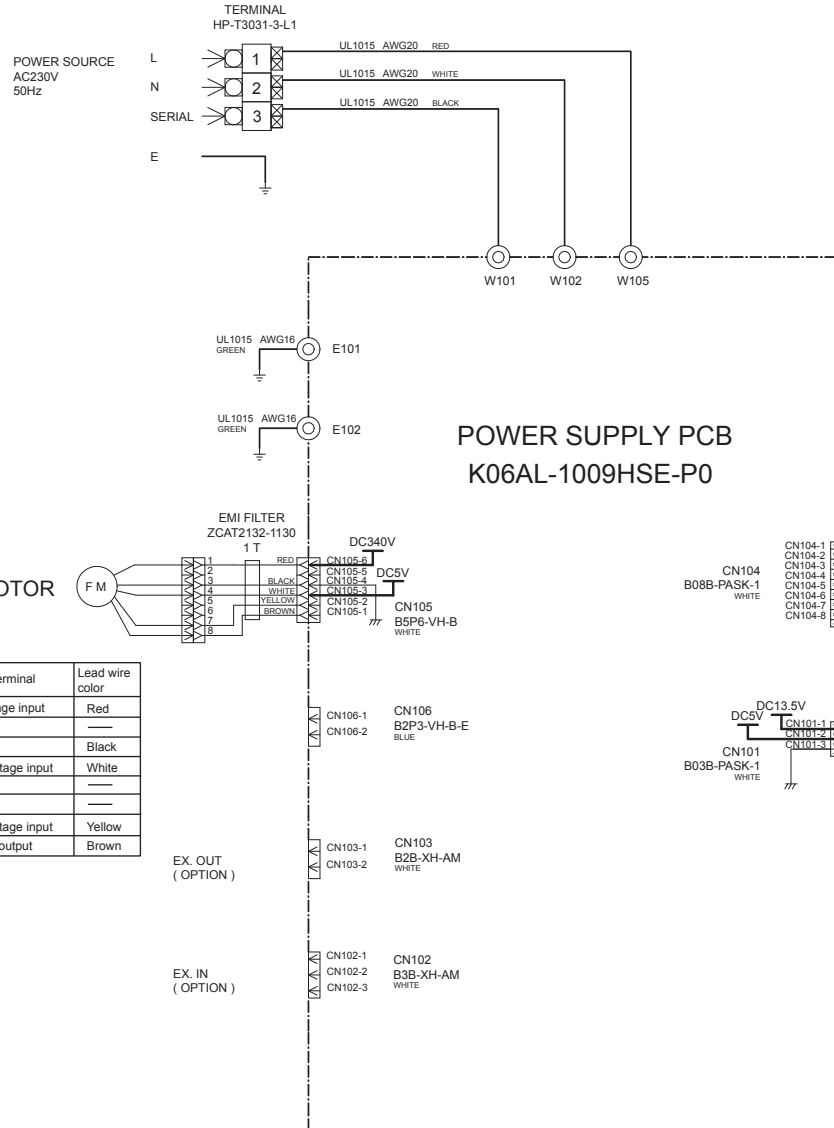
CONTROL UNIT EZ-0122YHSE

CN8
Thermistor Characteristics.

Thermistor	Temperature	(0℃)	(20℃)	(30℃)
Thermistor (Room temp.)		33.6 k Ω	12.5 k Ω	8.0 k Ω
		1.1 V	2.2 V	2.8 V

CN5
Thermistor Characteristics.

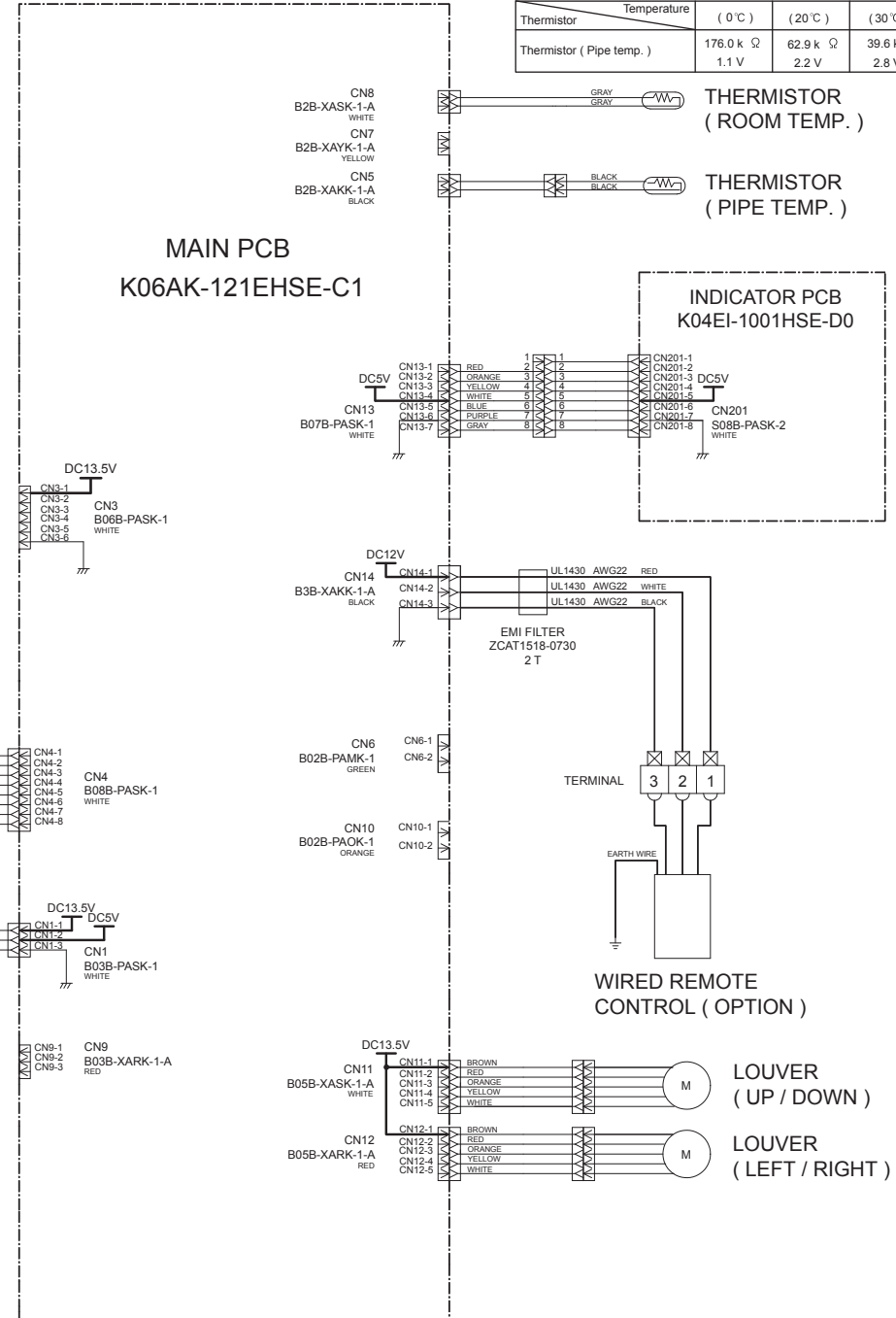
Thermistor	Temperature	(0℃)	(20℃)	(30℃)
Thermistor (Pipe temp.)		176.0 k Ω	62.9 k Ω	39.6 k Ω
		1.1 V	2.2 V	2.8 V



CN105 DC Fan motor

Pin No.	Terminal code	Function of terminal	Lead wire color
1	Vm	Motor power voltage input	Red
2	—	—	—
3	GND	GND	Black
4	Vcc	Control power voltage input	White
5	—	—	—
6	—	—	—
7	Vsp	Speed control voltage input	Yellow
8	FG	Revolution pulse output	Brown

MAIN PCB K06AK-121EHSE-C1



THERMISTOR
(ROOM TEMP.)

THERMISTOR
(PIPE TEMP.)

INDICATOR PCB
K04EI-1001HSE-D0

WIRED REMOTE
CONTROL (OPTION)

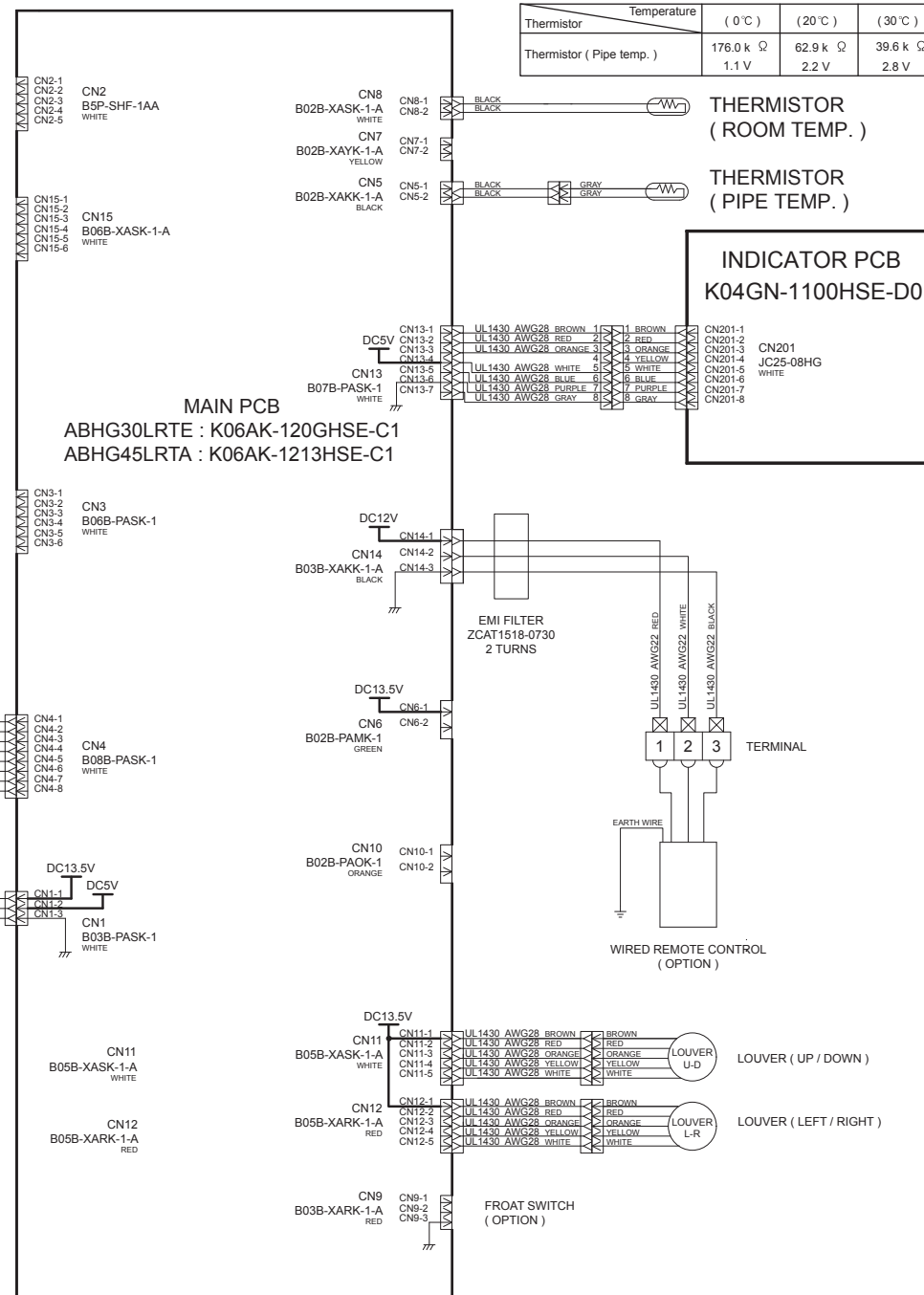
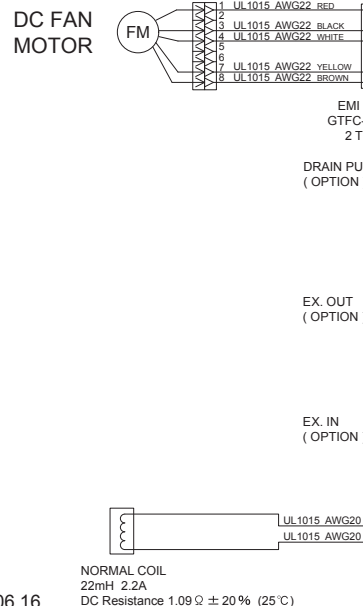
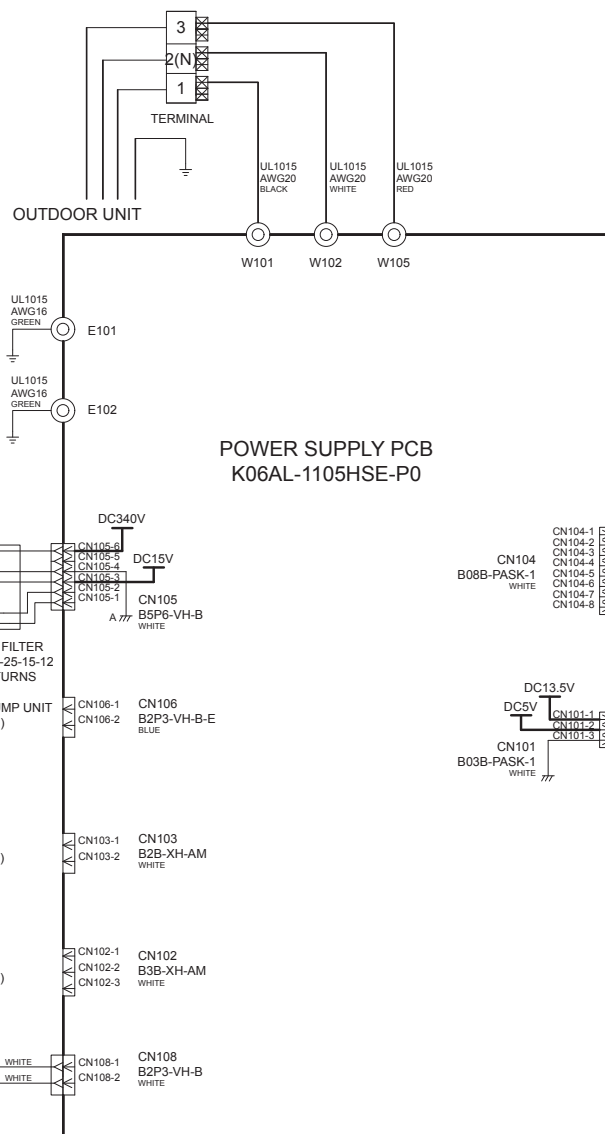
LOUVER
(UP / DOWN)

LOUVER
(LEFT / RIGHT)

Models : ABHG30LRTE
ABHG45LRTA

CONTROL UNIT
ABHG30LRTE : EZ-0121SHSE
ABHG45LRTA : EZ-0122EHSE

Pin No.	Terminal code	Function of terminal	Lead wire color
1	Vm	Motor power voltage input	Red
2	—	—	—
3	GND	GND	Black
4	Vcc	Control power voltage input	White
5	—	—	—
6	—	—	—
7	Vsp	Speed control voltage input	Yellow
8	FG	Revolution pulse output	Brown



CN8 Thermistor Characteristics.			
Thermistor \ Temperature	(0 °C)	(20 °C)	(30 °C)
Thermistor (Room temp.)	33.6 k Ω 1.1 V	12.5 k Ω 2.2 V	8.0 k Ω 2.8 V

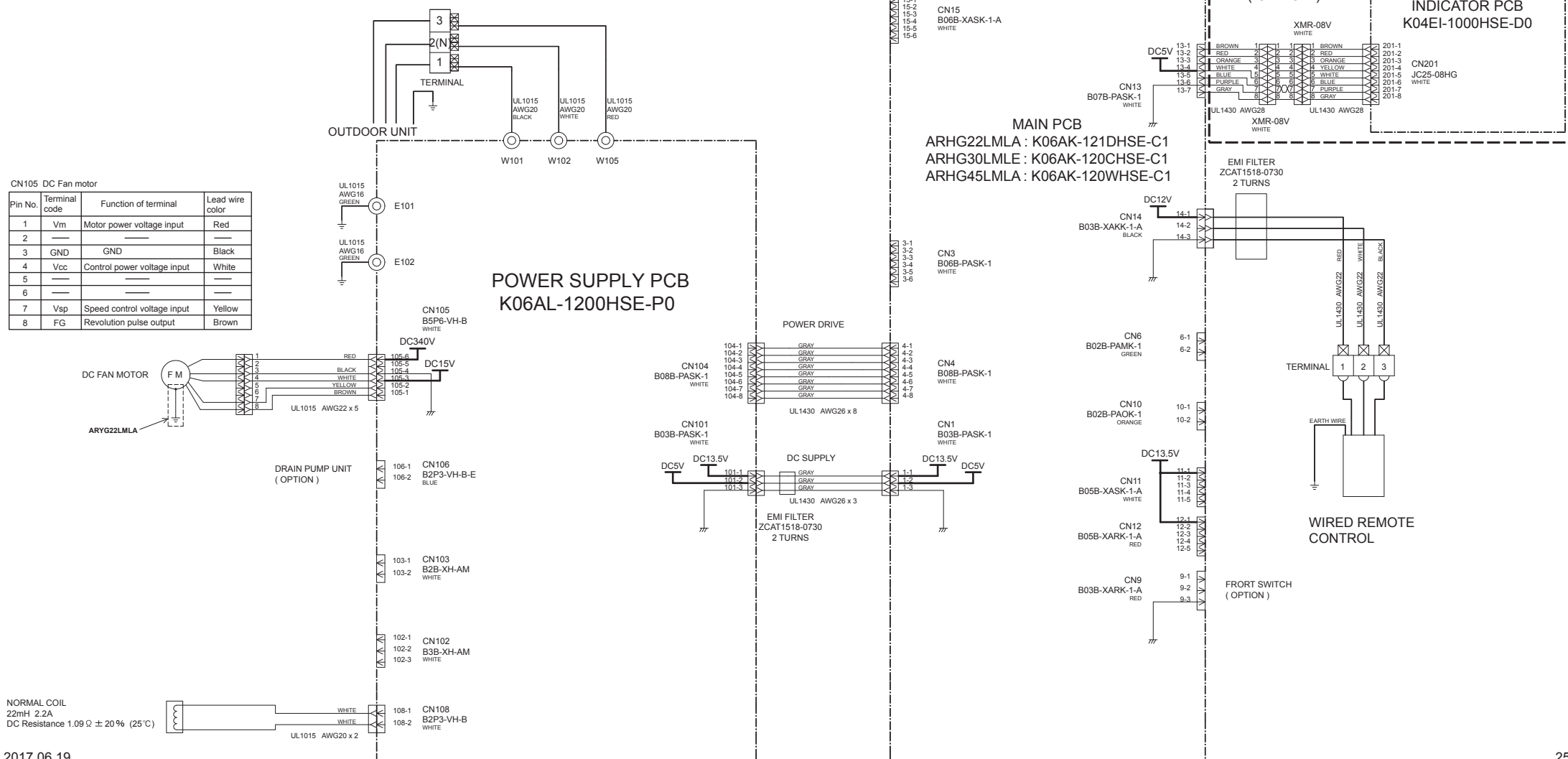
CN5 Thermistor Characteristics.			
Thermistor \ Temperature	(0 °C)	(20 °C)	(30 °C)
Thermistor (Pipe temp.)	176.0 k Ω 1.1 V	62.9 k Ω 2.2 V	39.6 k Ω 2.8 V

Models : ARHG22LMLA
ARHG30LMLE
ARHG45LMLA

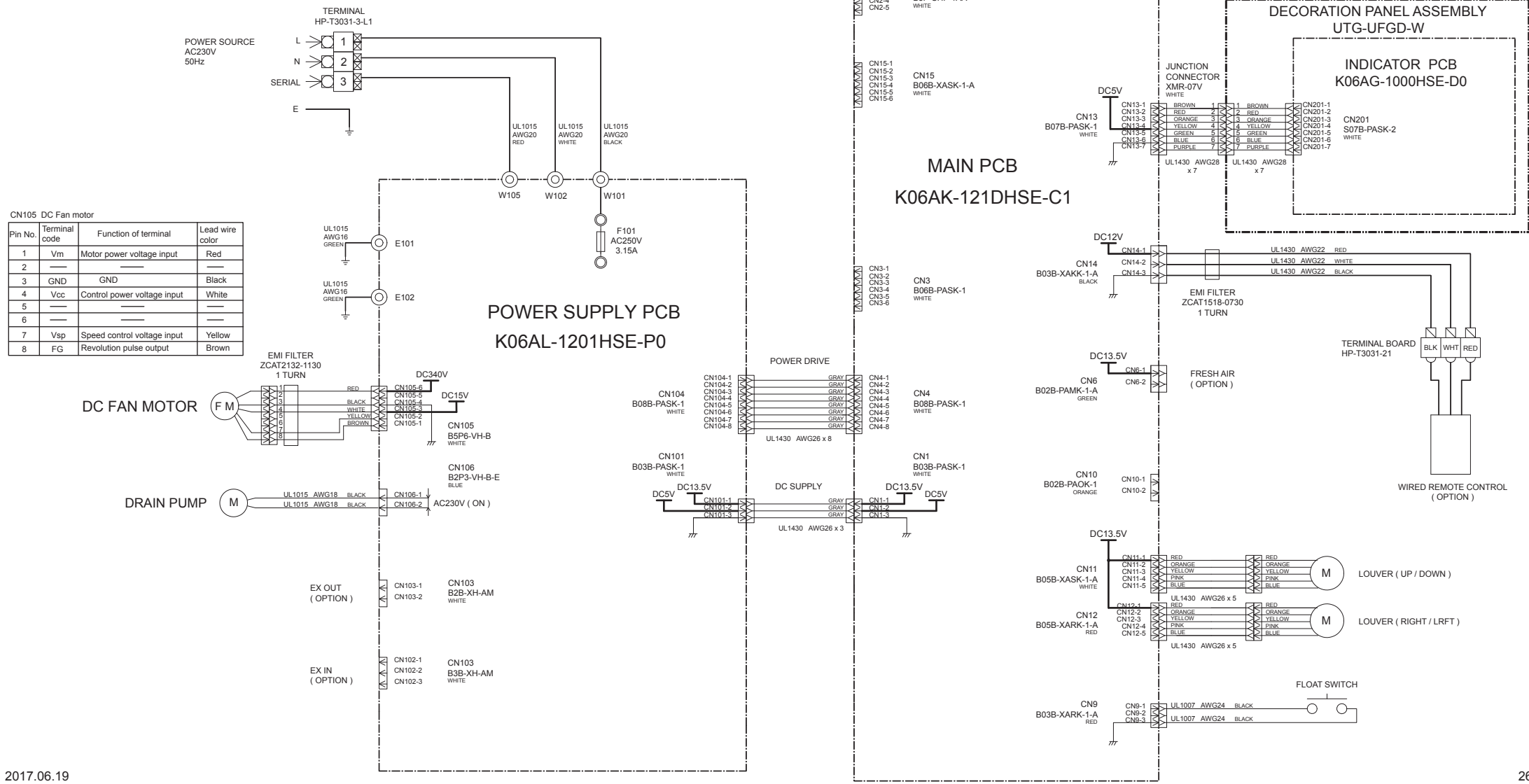
Thermistor \ Temperature	0 °C	20 °C	30 °C
Thermistor (room temp.)	33.6 k Ω 1.1 V	12.5 k Ω 2.2 V	8.0 k Ω 2.8 V

Thermistor \ Temperature	0 °C	20 °C	30 °C
Thermistor (Pipe temp.)	176.0 k Ω 1.1 V	62.9 k Ω 2.2 V	39.6 k Ω 2.8 V

CONTROL UNIT
ARHG22LMLA : EZ-0122THSE
ARHG30LMLE : EZ-0121LHSE
ARHG45LMLA : EZ-01229HSE



CONTROL UNIT
EZ-0122THSE



Models : AUHG30LRLE
AUHG45LRLE
UTG-UGGA-W (OPTION)

CONTROL UNIT
AUHG30LRLE : EZ-0121PHSE
AUHG45LRLA : EZ-0122RHSE

CN8 Thermistor Characteristics.

Thermistor \ Temperature	0 °C	20 °C	30 °C
Thermistor (Room temp.)	33.6 k Ω 1.1 V	12.5 k Ω 2.2 V	8.0 k Ω 2.8 V

CN5 Thermistor Characteristics.

Temperature	0 °C	20 °C	30 °C
Thermistor (Pipe temp.)	176.0 k Ω 1.1 V	62.9 k Ω 2.2 V	39.6 k Ω 2.8 V

UTY-LRHYA2 (OPTION)

INDICATOR PCB
K06AG-1000HSE-D0

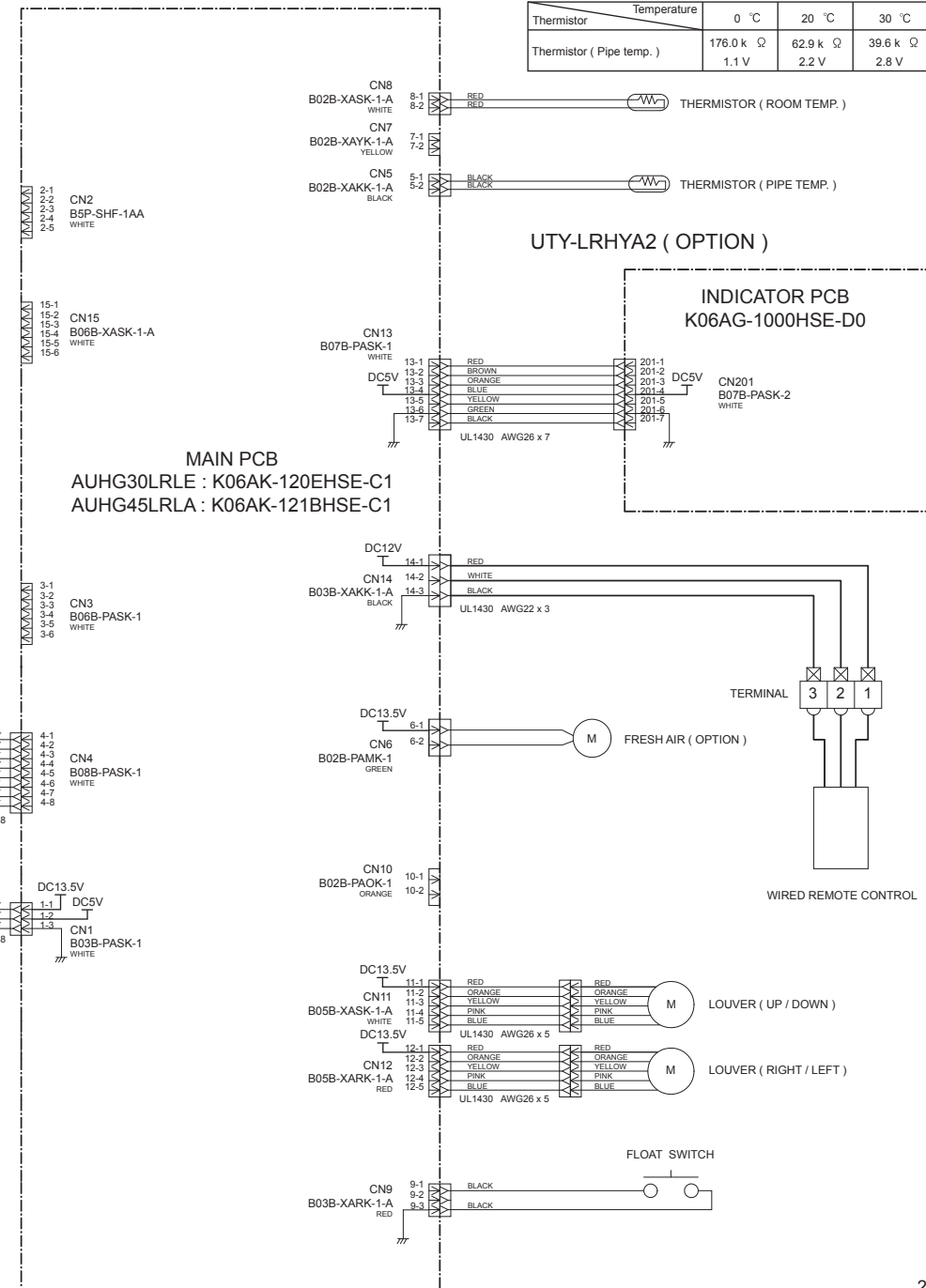
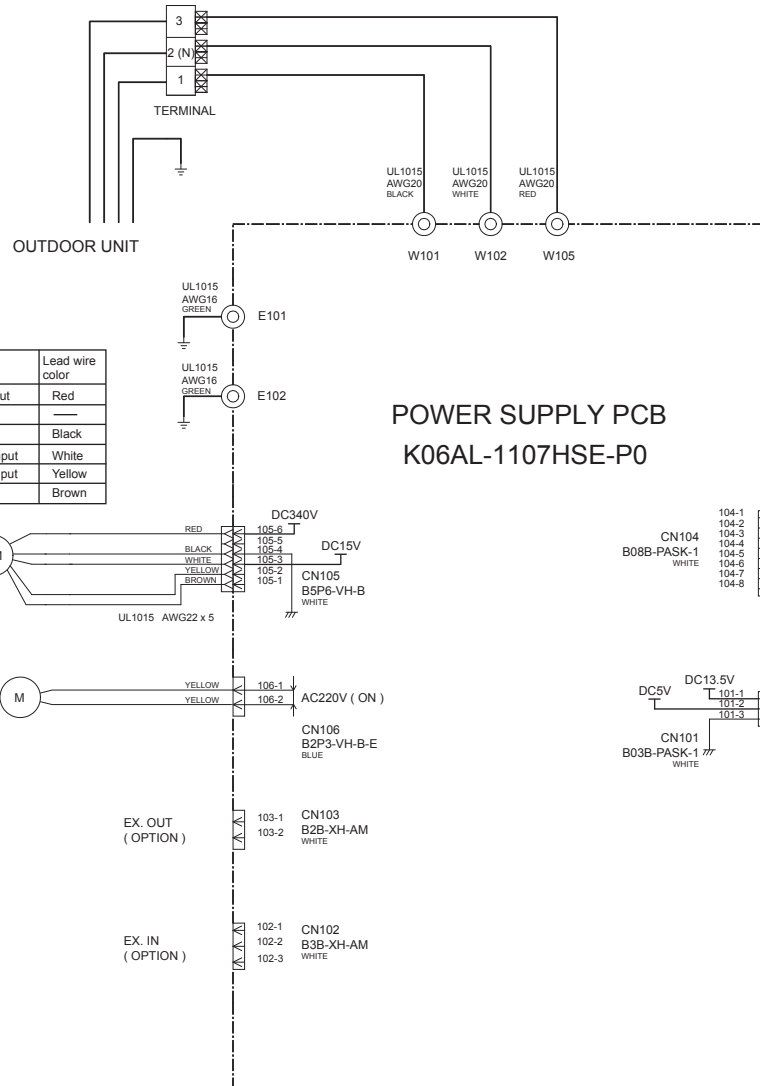
CN201
B07B-PASK-2
WHITE

MAIN PCB
 RLE : K06AK-120EHSE-C1
 RLA : K06AK-121BHSE-C1

POWER SUPPLY PCB
K06AL-1107HSE-P0

CN105 DC FAN MOTOR

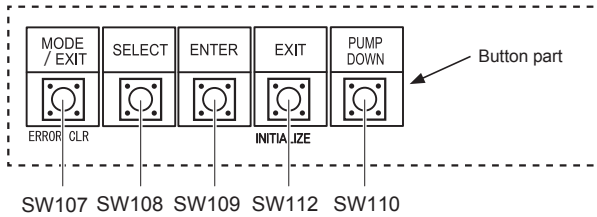
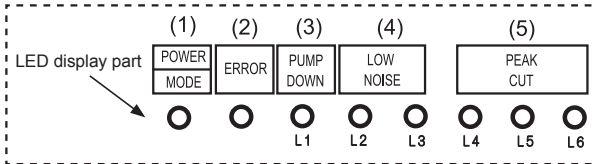
Pin No.	Terminal code	Function of terminal	Lead wire color
6	V _{CC}	Motor power voltage input	Red
5	—	—	—
4	GND	GND	Black
3	V _{CC}	Control power voltage input	White
2	V _{SP}	Speed control voltage input	Yellow
1	FG	Revolution pulse output	Brown



ERROR DETECTION

OUTDOOR UNIT ERROR CODE DISPLAY

You can determine the operating status by the lighting up and blinking of the LED lamp.



Display when an error occurs

POWER	ERROR	PUMP DOWN	LOW NOISE		PEAK CUT		
MODE		(L1)	(L2)	(L3)	(L4)	(L5)	(L6)
●	Blink (Hi speed)	○	○	○	○	○	○

Sign "○": Lights off, "●": Lights on

Check that the "ERROR" LED blinks, then press the [ENTER] button once.

Display mode ● : Lights on
○ : Lights off
◆ : Blink (0.5s Lights on / 0.5s Lights off)
() : Number of flashing

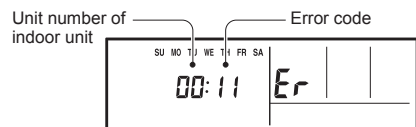
Error code check table

LED display								DESCRIPTION	REMARK
POWER/ MODE	ERROR	PUMP DOWN	LOW NOISE		PEAK CUT				
		(L1)	(L2)	(L3)	(L4)	(L5)	(L6)		
◆(2)	●	◆(1)	◆(1)	○	○	●	●	Serial communication error	Serial forward transmission error immediately after operation
◆(2)	●	◆(1)	◆(1)	○	●	○	○		Serial forward transmission error during operation
◆(2)	●	◆(2)	◆(2)	○	○	○	●	Indoor unit capacity error	Indoor unit capacity error
◆(2)	●	◆(5)	◆(15)	○	○	○	●	Indoor unit error	Indoor unit error
◆(2)	●	◆(6)	◆(2)	○	○	○	●	Outdoor unit main PCB error	Outdoor unit PCB model information error
◆(2)	●	◆(6)	◆(3)	○	○	○	●	Inverter PCB error	Inverter error
◆(2)	●	◆(6)	◆(5)	○	○	●	●	IPM error	Trip terminal L error
◆(2)	●	◆(7)	◆(1)	○	○	○	●	Discharge temp. sensor error	Discharge temp. sensor 1 error
◆(2)	●	◆(7)	◆(2)	○	○	○	●	Compressor temp. sensor error	Compressor temp. sensor 1 error
◆(2)	●	◆(7)	◆(3)	○	○	●	○	Outdoor unit Heat Ex. sensor error	Heat Ex. middle temp. sensor error
◆(2)	●	◆(7)	◆(3)	○	○	●	●		Outdoor unit Heat Ex. liquid temp. sensor error
◆(2)	●	◆(7)	◆(4)	○	○	○	●	Outdoor temp. sensor error	Outdoor temp. sensor error
◆(2)	●	◆(7)	◆(7)	○	○	○	●	Heat sink temp. sensor error	Heat sink temp. sensor error
◆(2)	●	◆(8)	◆(4)	○	○	○	●	Current sensor error	Current sensor 1 error (stoppage permanently)
◆(2)	●	◆(8)	◆(6)	○	●	○	○	Pressure sensor error	High pressure switch 1 error
◆(2)	●	◆(8)	◆(6)	○	○	○	●		Outdoor unit discharge pressure sensor error
◆(2)	●	◆(8)	◆(6)	○	○	●	●		Outdoor unit suction pressure sensor error
◆(2)	●	◆(9)	◆(4)	○	○	○	●	Trip detection	Trip detection
◆(2)	●	◆(9)	◆(5)	○	○	○	●	Compressor motor control error	Rotor position detection error (stoppage permanently)
◆(2)	●	◆(9)	◆(7)	○	○	●	●	Outdoor unit fan motor 1 error	Duty error
◆(2)	●	◆(9)	◆(8)	○	○	●	●	Outdoor unit fan motor 2 error	Duty error
◆(2)	●	◆(9)	◆(9)	○	○	○	●	4-way valve error	4-way valve error
◆(2)	●	◆(10)	◆(1)	○	○	○	●	Discharge temp. 1 error	Discharge temp. 1 error
◆(2)	●	◆(10)	◆(3)	○	○	○	●	Compressor temp. error	Compressor 1 temp. error
◆(2)	●	◆(10)	◆(5)	○	○	○	●	Pressure error 2	Low pressure error

WIRED REMOTE CONTROL

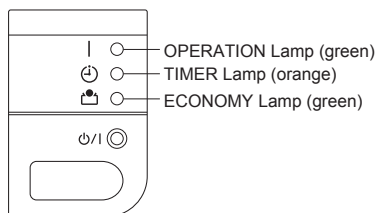
This is possible only on a wired remote control.

If an error occurs, the following display will be shown.
("Er" will appear in the set room temperature display.)

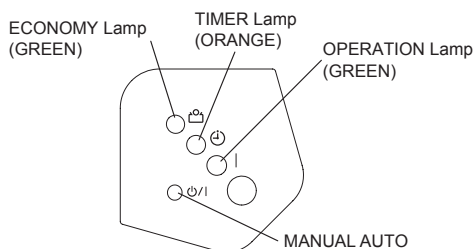


EX. Self-diagnosis

INDOOR UNIT (CEILING)



INDOOR UNIT (CASSETTE)



- : 0.5s on / 0.5s off
- ◇ : 0.1s on / 0.1s off
- () : Number of flashing

Indoor unit			Wired remote control	Description
OPERATION lamp (green)	TIMER lamp (orange)	ECONOMY lamp (green)		
● (1)	● (1)	◇	11	Serial communication error
● (1)	● (2)	◇	12	Wired remote control communication error
● (1)	● (5)	◇	15	Check run unfinished
● (2)	● (1)	◇	21	Unit number or Refrigerant circuit address setting error [Simultaneous Multi]
● (2)	● (2)	◇	22	Indoor unit capacity error
● (2)	● (3)	◇	23	Combination error
● (2)	● (4)	◇	24	• Connection unit number error (indoor slave unit) [Simultaneous Multi] • Connection unit number error (indoor unit or branch unit) [Flexible Multi]
● (2)	● (7)	◇	27	Master unit, slave unit set-up error [Simultaneous Multi]
● (3)	● (1)	◇	31	Power supply interruption error
● (3)	● (2)	◇	32	Indoor unit PCB model information error
● (3)	● (5)	◇	35	Manual auto switch error
● (4)	● (1)	◇	41	Inlet air temp. sensor error
● (4)	● (2)	◇	42	Indoor unit Heat Ex. Middle temp. sensor error
● (5)	● (1)	◇	51	Indoor unit fan motor error
● (5)	● (3)	◇	53	Drain pump error
● (5)	● (7)	◇	57	Damper error
● (5)	● (15)	◇	5U	Indoor unit error
● (6)	● (2)	◇	62	Outdoor unit main PCB model information error or communication error
● (6)	● (3)	◇	63	Inverter error
● (6)	● (4)	◇	64	Active filter error, PFC circuit error
● (6)	● (5)	◇	65	Trip terminal L error
● (6)	● (10)	◇	6A	Display PCB microcomputers communication error

Indoor unit			Wired remote control	Description
OPERATION lamp (green)	TIMER lamp (orange)	ECONOMY lamp (green)		
● (7)	● (1)	◇	71	Discharge temp. sensor error
● (7)	● (2)	◇	72	Compressor temp. sensor error
● (7)	● (3)	◇	73	Outdoor unit Heat Ex. liquid temp. sensor error
● (7)	● (4)	◇	74	Outdoor temp. sensor error
● (7)	● (5)	◇	75	Suction Gas temp. sensor error
● (7)	● (6)	◇	76	• 2-way valve temp. sensor error • 3-way valve temp. sensor error
● (7)	● (7)	◇	77	Heat sink temp. sensor error
● (8)	● (2)	◇	82	• Sub-cool Heat Ex. gas inlet temp. sensor error • Sub-cool Heat Ex. gas outlet temp. sensor error
● (8)	● (3)	◇	83	Liquid pipe temp. sensor error
● (8)	● (4)	◇	84	Current sensor error
● (8)	● (6)	◇	86	• Discharge pressure sensor error • Suction pressure sensor error • High pressure switch error
● (9)	● (4)	◇	94	Trip detection
● (9)	● (5)	◇	95	Compressor rotor position detection error (permanent stop)
● (9)	● (7)	◇	97	Outdoor unit fan motor 1 error
● (9)	● (8)	◇	98	Outdoor unit fan motor 2 error
● (9)	● (9)	◇	99	4-way valve error
● (9)	● (10)	◇	9A	Coil (expansion valve) error
● (10)	● (1)	◇	A1	Discharge temp. error
● (10)	● (3)	◇	A3	Compressor temp. error
● (10)	● (4)	◇	A4	High pressure error
● (10)	● (5)	◇	A5	Low pressure error
● (13)	● (2)	◇	J2	Branch boxes error [Flexible Multi]

CAUTION

We will change the specification of parts.
With this change, we will not change the MODEL NAME of the product.
Instead, add the revision code to the nameplate.
As a result, the parts list of the service parts will be changed.

	Serial No.
Revision code : None	R000001 ~ R099999
Revision code : A	R100001 ~ R199999

Please identify it by serial number and revision code.

Carton label

Revision Code : None

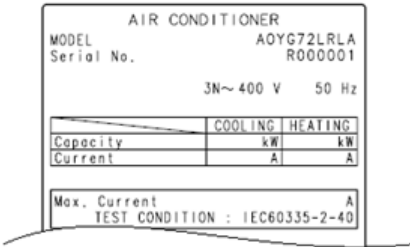


Revision Code : A

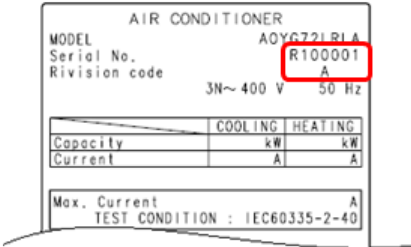


Label rating

Revision Code : None

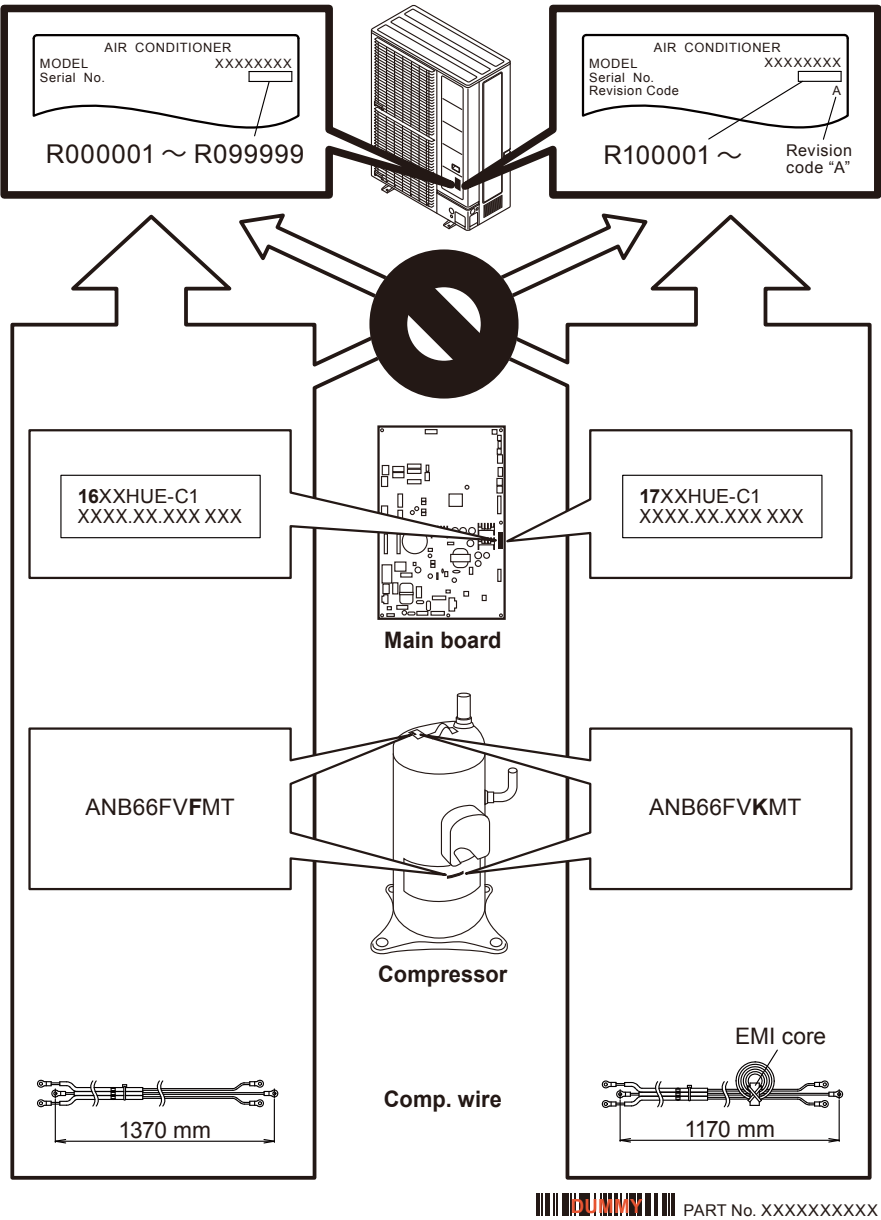


Revision Code : A



Leaflet attached with service parts

Confirm the serial number before exchange parts.



Change parts list

Ref. No.	Description		Revision code : None	Revision code : A	Remarks
	name	note			
24	MAIN PCB	(service unit)	9710851032 K16GX-1605SUE-C1	9710851063 K16GX-1702SUE-C1	Leaflet ※ attached
32	FILTER PCB		9709919033 K11CB-1600HUE-FL0	9710417016 K15CL-1600HUE-FL0	
33	POWER PCB		9710771019 K16HC-1601HUE-P0	None	
34	POWER PCB HOLDER		9382541002 PPE/PS 5VA	None	
41	POWER DIODE		0001113013 DF60LA160	None	
42	CT PCB		9708938028 K11BN-1600HUE-S0	None	
43	REACTOR ASSY(INV)		9900748012 30A 2MH L390 DPC	9900748005 30A 2MH DPC	
44	INVERTER PCB	(service unit)	9709682012 K11BX-1603HUE-TR1-SV	9709682098 K15CB-1600HUE-TR1-SV	
45	HEAT SINK A		9382538002 A6063S	9382538019 A6063S	
46	HEAT SINK B		9382539009 A6063S	None	
-	HEAT SINK THERMISTOR		9900518004 PT2EP-41F-F1-1	None	
79	COMPRESSOR SUB ASSY	(service unit)	9382796006 ANB66FVFM	9382796013 ANB66FVKMT	Leaflet ※ attached
NEW	WIRE(INVERTER COMP)	(service unit)	9382819002 AJ*072-090LELAH,BLACK	←	Packaged with new wire and old wire and Leaflet ※ attached
NEW	SEPARATE WALL SUB ASSY		9380567028 AJY108LELAH	9380567035 AJY072LELAH	
NEW	CONTROL BOX (INV PART) ASSY		9382453022 SPOT WELD	9382453015 SPOT WELD	

About original parts before revision change

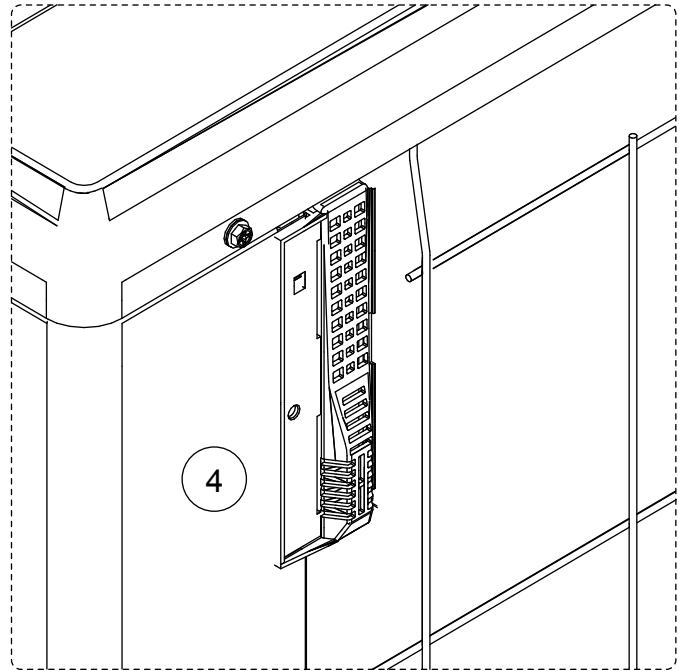
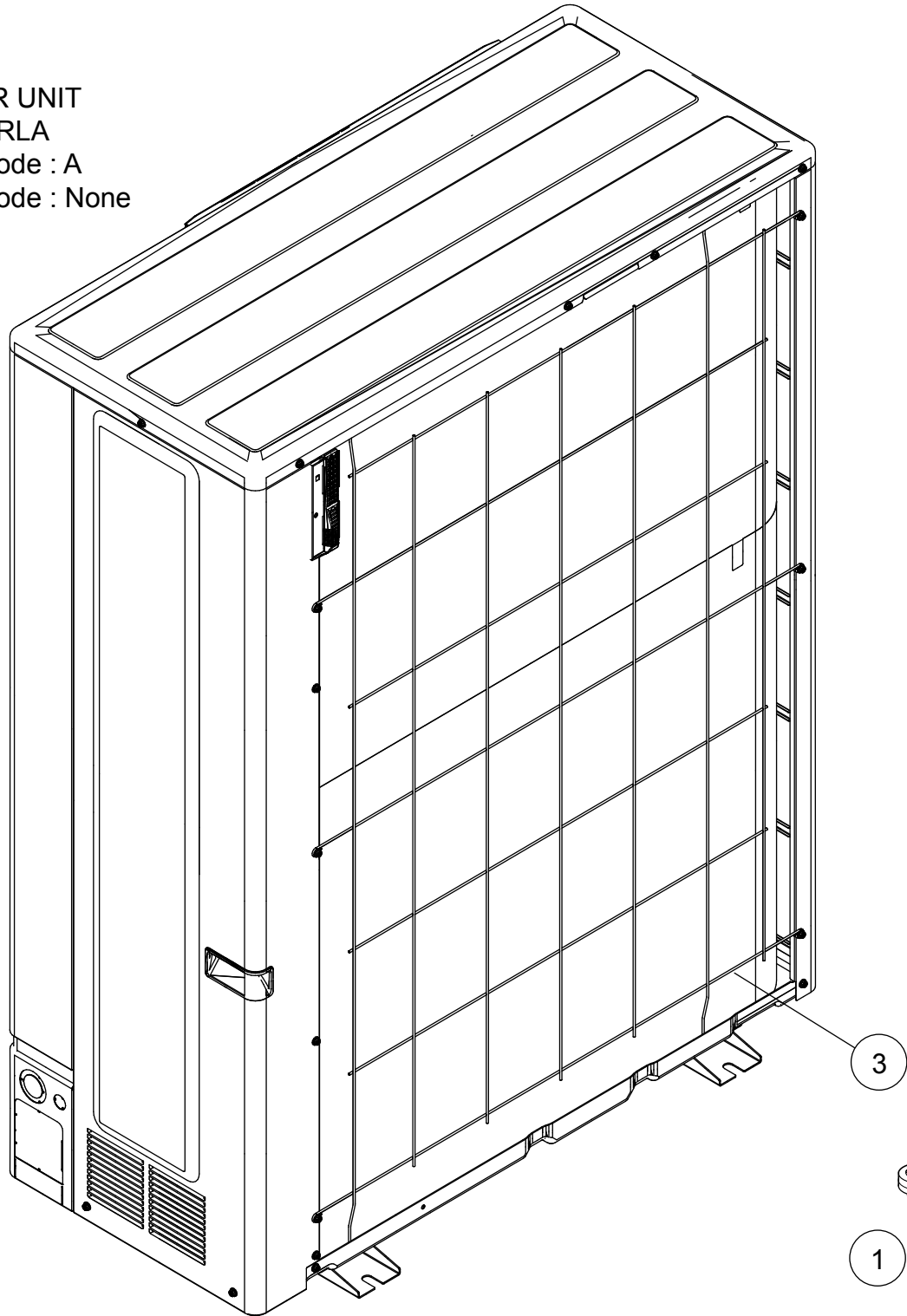
If there are original parts (shaded in the table below) in parts inventory, please use for the product before revision change.

In the future, if ordered by the part number of the original part, we arrange it with a new part (red letters)

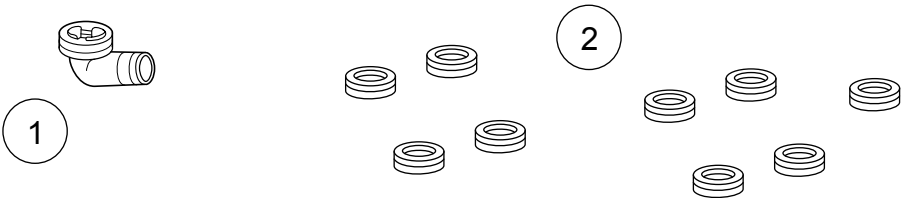
Description		Revision code [None]		Remarks
name	note	Original [Discontinue]	New	
COMPRESSOR SUB ASSY	service unit	9379228046 ANB66FVFMT	9382796006 ANB66FVFMT	
MAIN PCB [for 72 model]	service unit	9710757044 K16GX-1604HUE-C1	9710851025 K16GX-1604SUE-C1	For AO*G72LRLA, ROG72LRLA
MAIN PCB [for 90 model]	service unit	9710757051 K16GX-1605HUE-C1	9710851032 K16GX-1605SUE-C1	For AO*G90LRLA, ROG90LRLA

PARTS

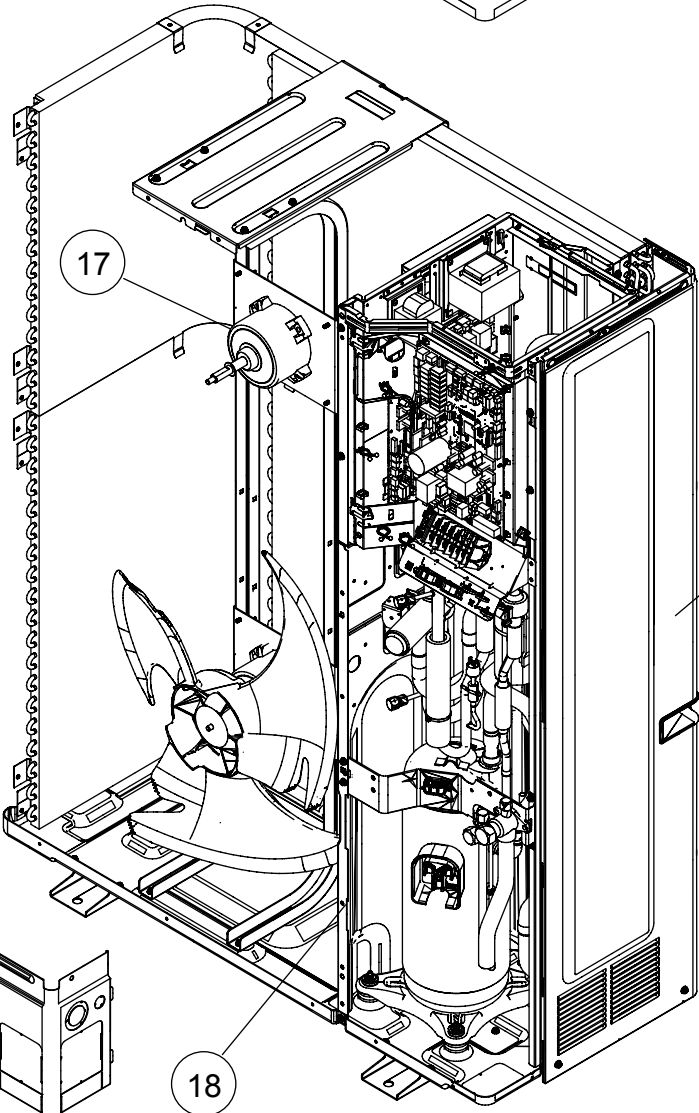
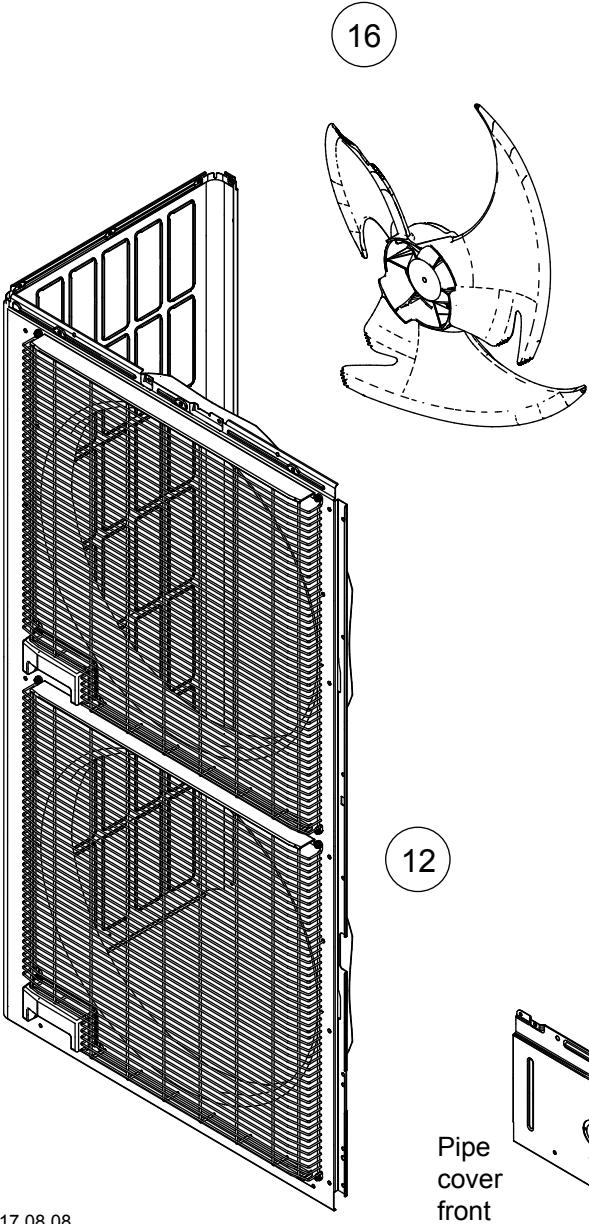
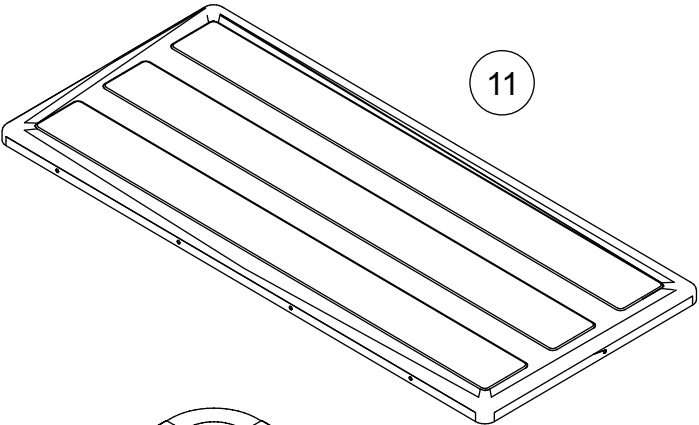
OUTDOOR UNIT
AOHG90LRLA
Revision code : A
Revision code : None



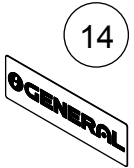
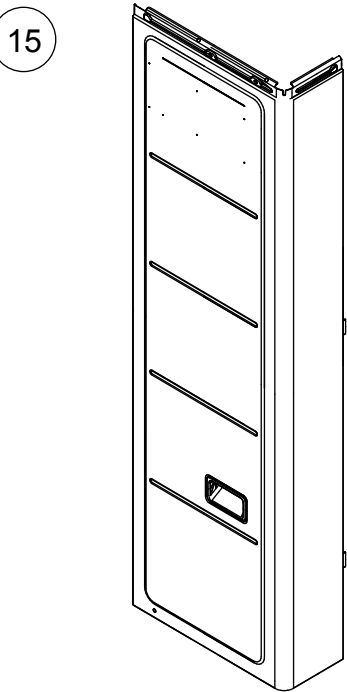
Ref.	Description	Parts number	
		Revision code : None	Revision code : A
1	Drain Assy	9303029015	←
2	Drain Cap	313166024302	←
3	Protective Net assy	9378926066	←
4	Thermo Holder	9375211011	←
5	Outdoor Thermistor	9900957018	←



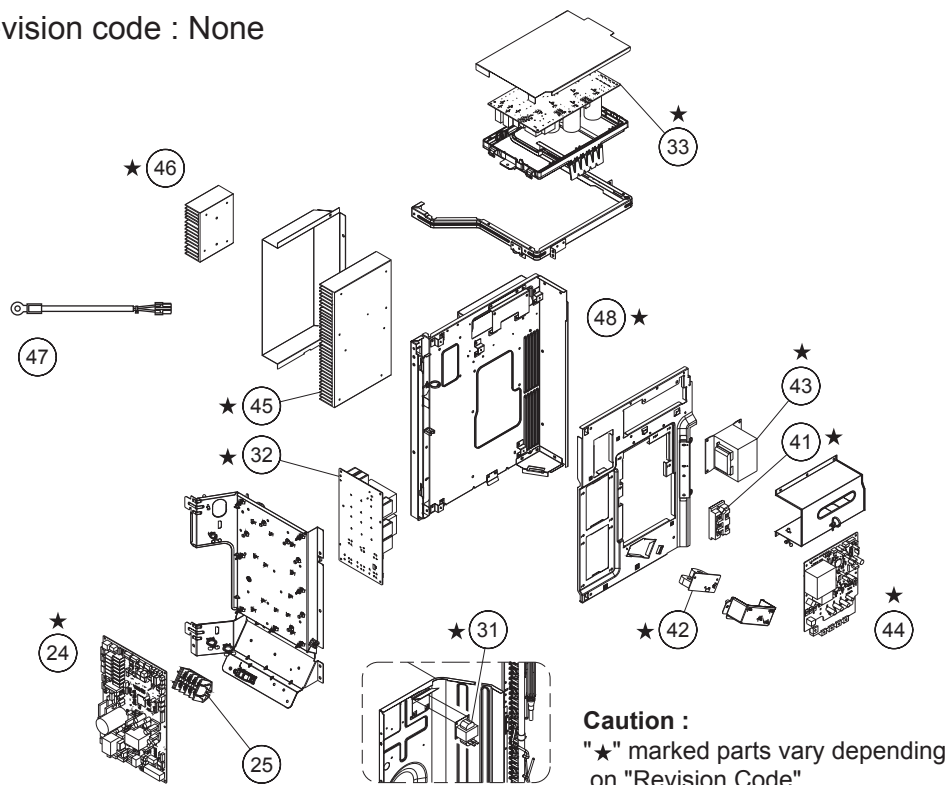
OUTDOOR UNIT
AOHG90LRLA
Revision code : A
Revision code : None



Ref.	Description	Parts number	
		Revision code : None	Revision code : A
11	Top panel sub assy	9379416054	←
12	Front panel sub assy	9380569046	←
13	Sevice panel sub assy	9380571056	←
14	GENERAL label	9378949003	←
15	Right panel sub assy	9380570059	←
16	Propeller fan	9382350000	←
17	Motor DC brushless	9603561017	←
18	Separate wall sub assy	9380567028	9380567035



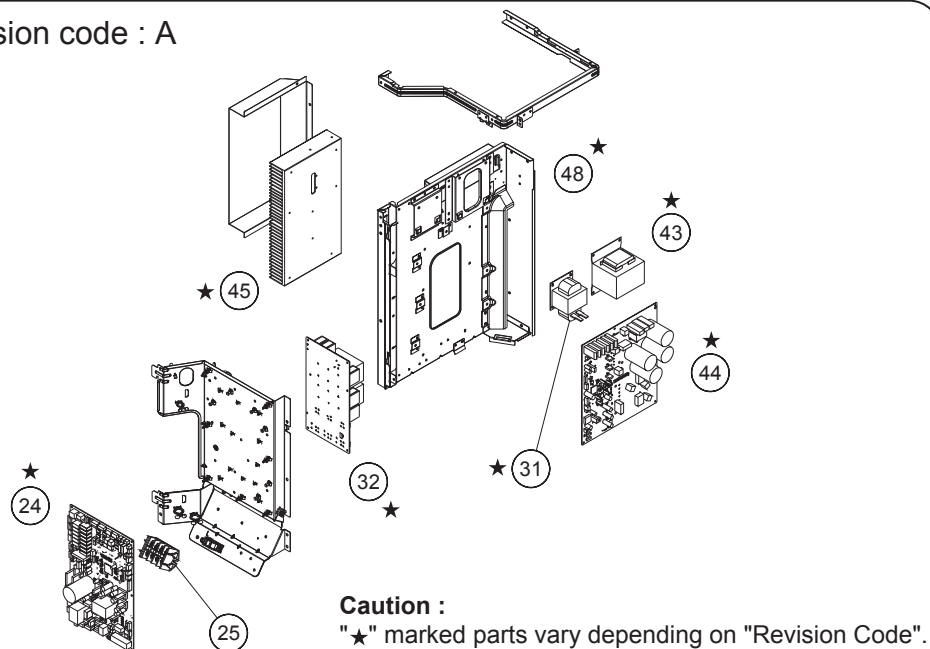
Revision code : None



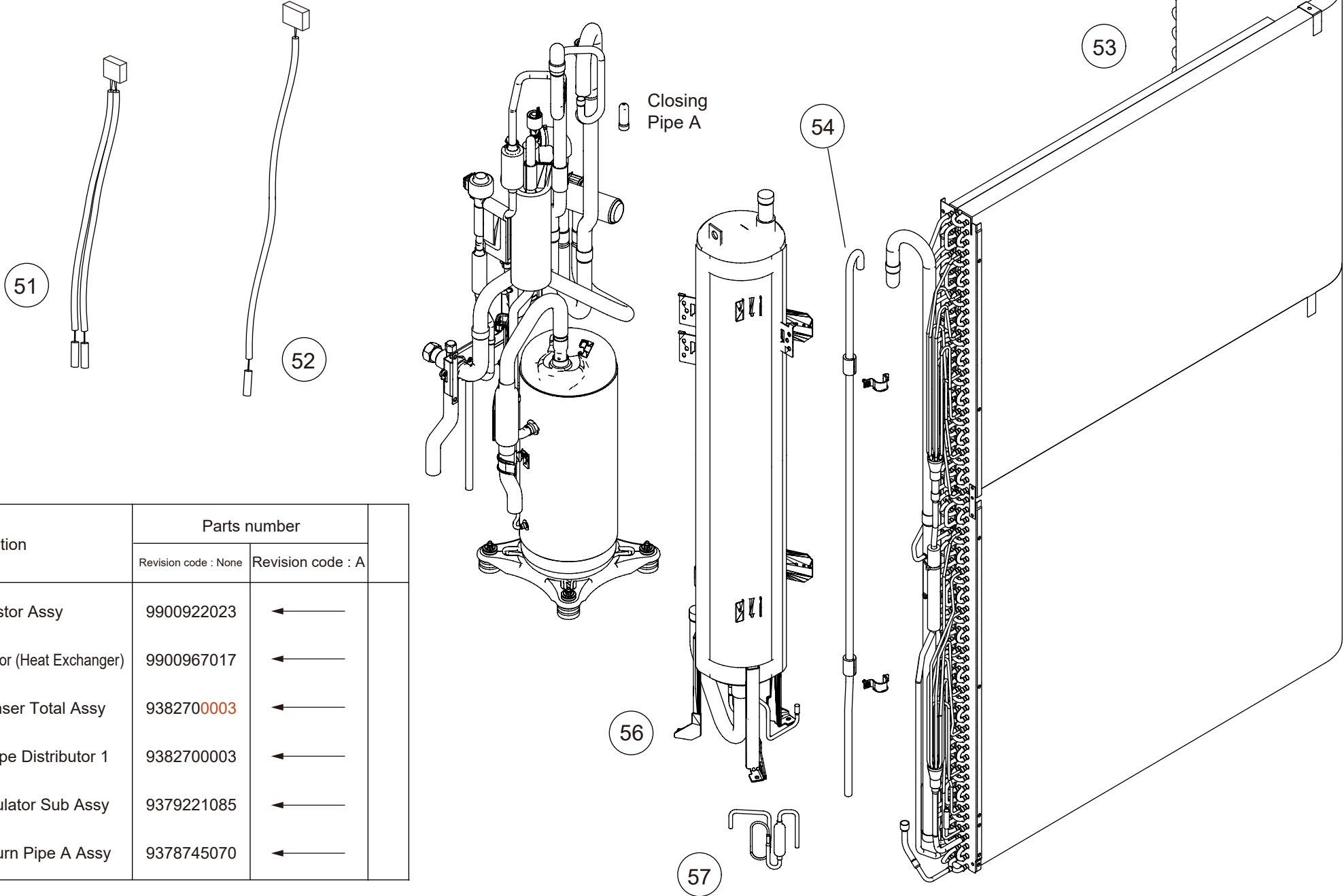
OUTDOOR UNIT AOHG90LRLA

Ref	Description	Parts number	
		Revision code : None	Revision code : A
24	Main PCB (service unit)	9710851032	9710851063
25	Terminal	9900569006	←
31	Reactor assy (main)	9900584016	←
32	Filter PCB	9709919033	9710417016
33	Power PCB	9710771019	None
41	Power Diode	0001113013	None
42	CT PCB	9708938028	None
43	Reactor assy (inv)	9900748012	9900748005
44	Inverter PCB (service unit)	9709682012	9709682098
45	Heatsink A	9382538002	9382538019
46	Heatsink B	9382539009	None
47	Heatsink thermistor	9900518004	None
48	Control box (inv part) assy	9382453022	9382453015

Revision code : A



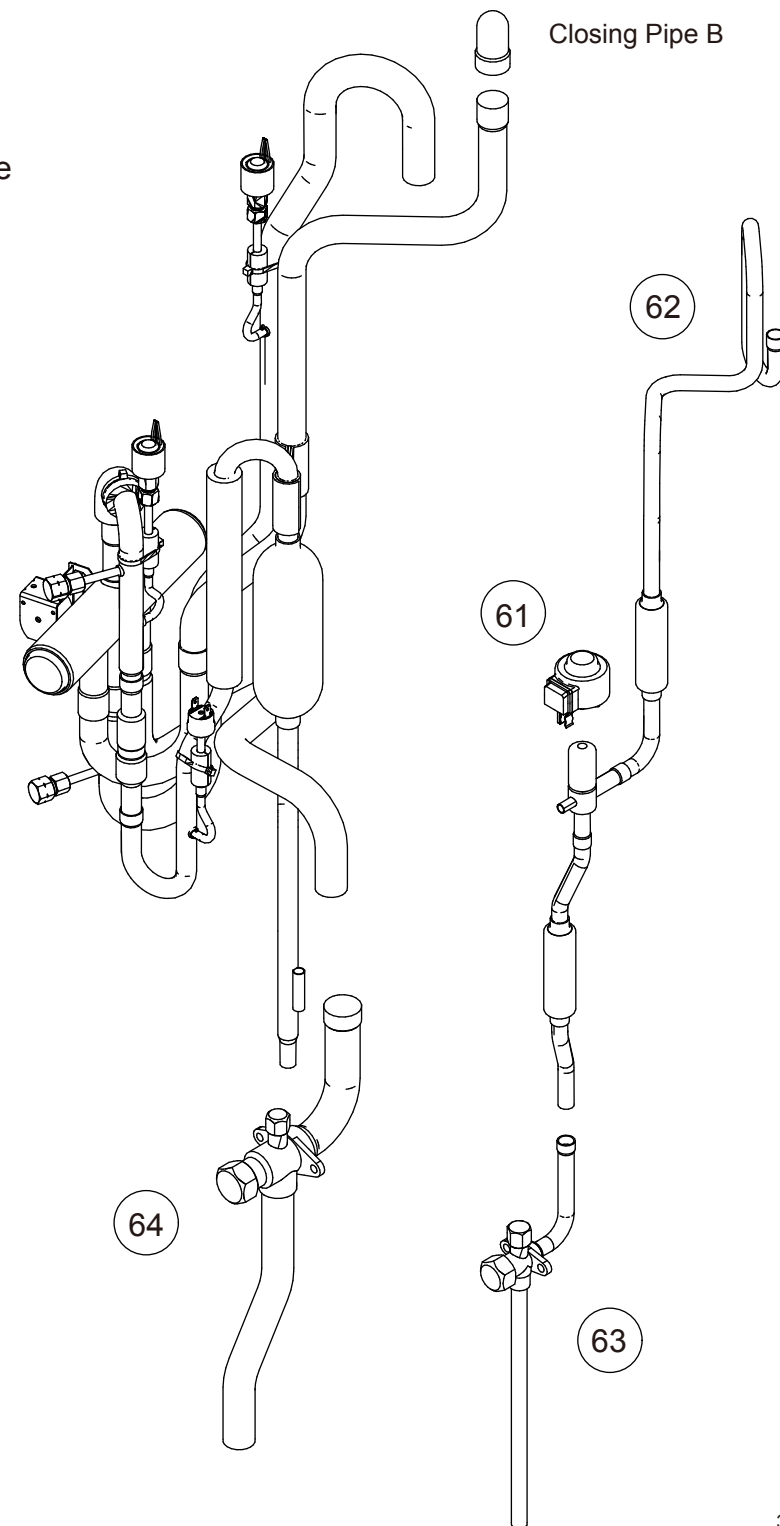
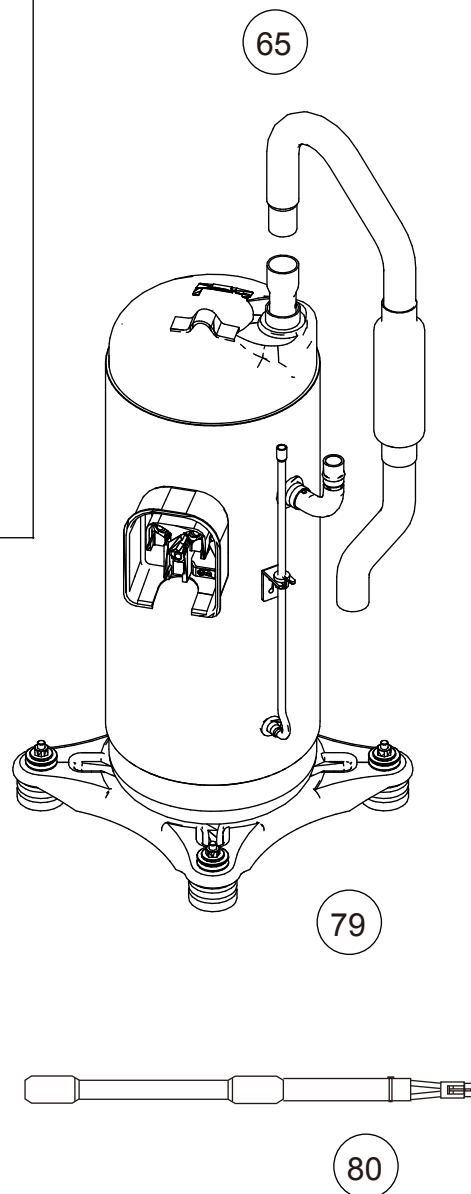
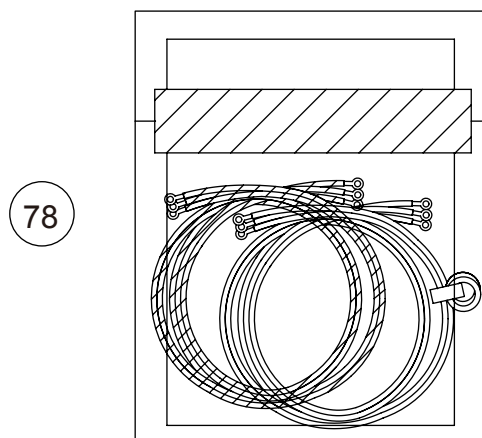
OUTDOOR UNIT
AOHG90LRLA
Revision code : A
Revision code : None

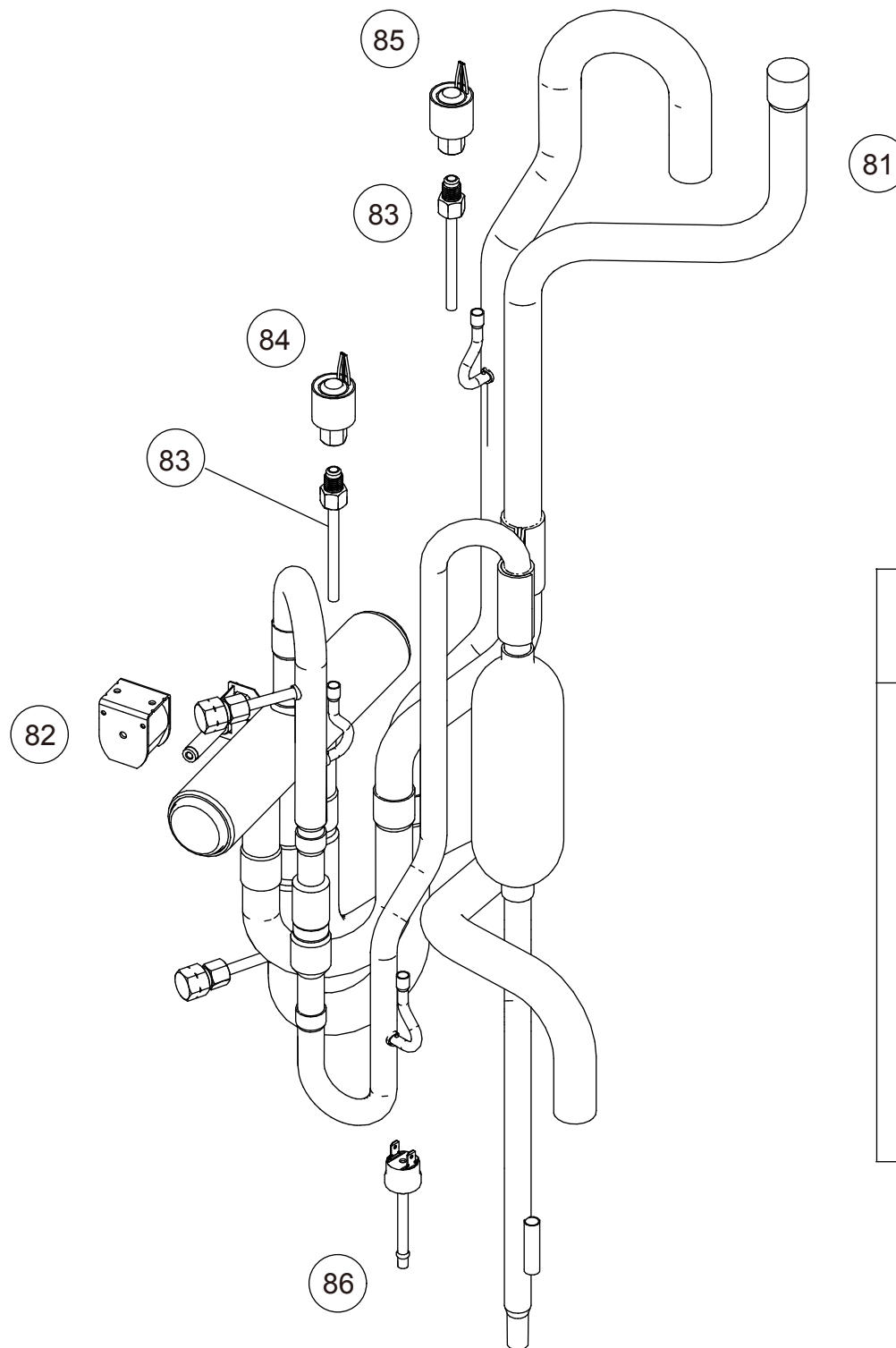


Ref.	Description	Parts number		
		Revision code : None	Revision code : A	
51	Thermistor Assy	9900922023	←	
52	Thermistor (Heat Exchanger)	9900967017	←	
53	Condenser Total Assy	9382700003	←	
54	Joint Pipe Distributor 1	9382700003	←	
56	Accumulator Sub Assy	9379221085	←	
57	Oil Return Pipe A Assy	9378745070	←	

Ref.	Description	Parts number		
		Revision code : None	Revision code : A	
61	Expansion Valve Coil	9970114007	←	
62	Expansion Valve Assy	9378750173	←	
63	3-way Valve Assy	9379039086	←	
64	3-way Valve Assy	9379039062	←	
65	Suction Pipe A Assy	9382716004	←	
78	Wire (inverter comp) (service unit)	9382819002	←	
79	Compressor Sub Assy (service unit)	9382796006	9382796013	
80	Belt Heater	9361140332	←	

OUTDOOR UNIT
AOHG90LRLA
Revision code : A
Revision code : None



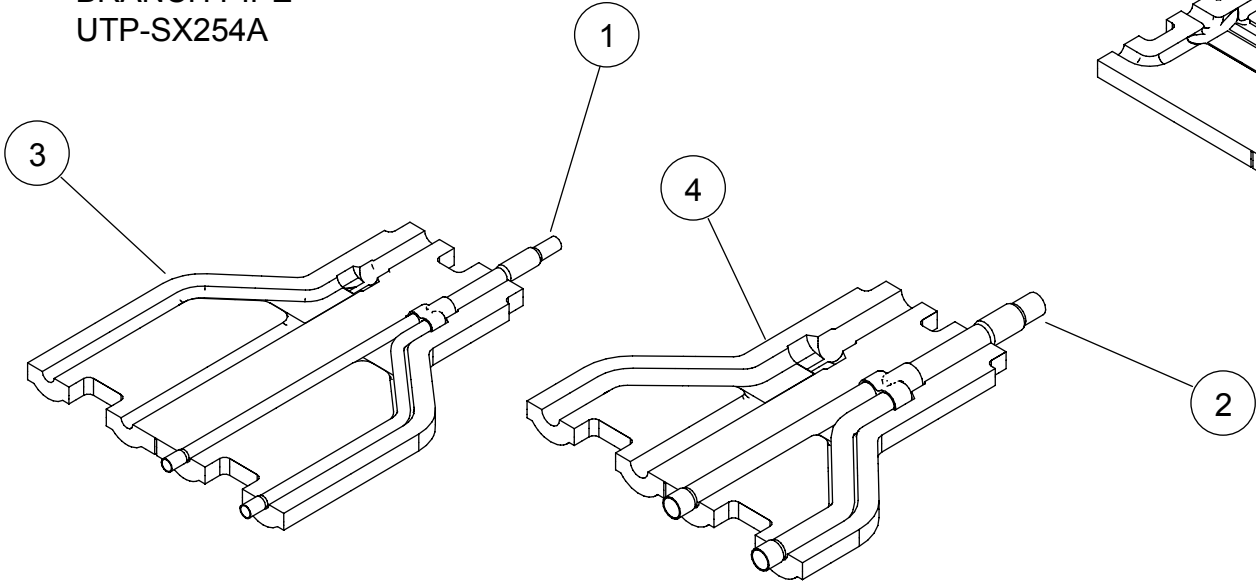


OUTDOOR UNIT
 AOHG90LRLA
 Revision code : A
 Revision code : None

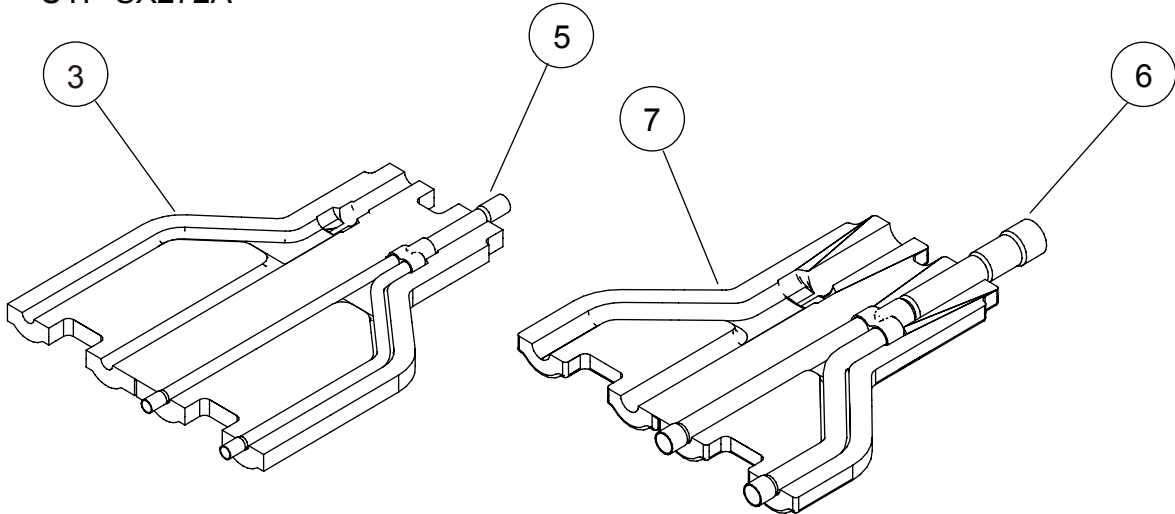
Ref.	Description	Parts number		
		Revision code : None	Revision code : A	
81	4-way Valve Sub Assy	9381449040	←	
82	Solenoid	9970113017	←	
83	Union Joint	9970091018	←	
84	High Pressure Sensor	9970178009	←	
85	Low Pressure Sensor	9970178016	←	
86	Pressure Switch	9900186029	←	

PARTS

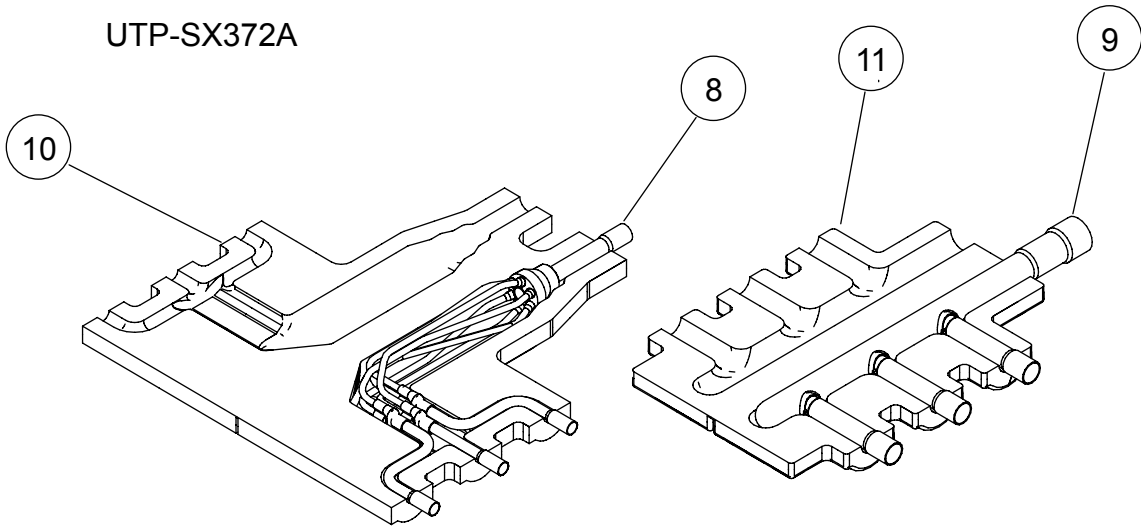
BRANCH PIPE
UTP-SX254A



UTP-SX272A



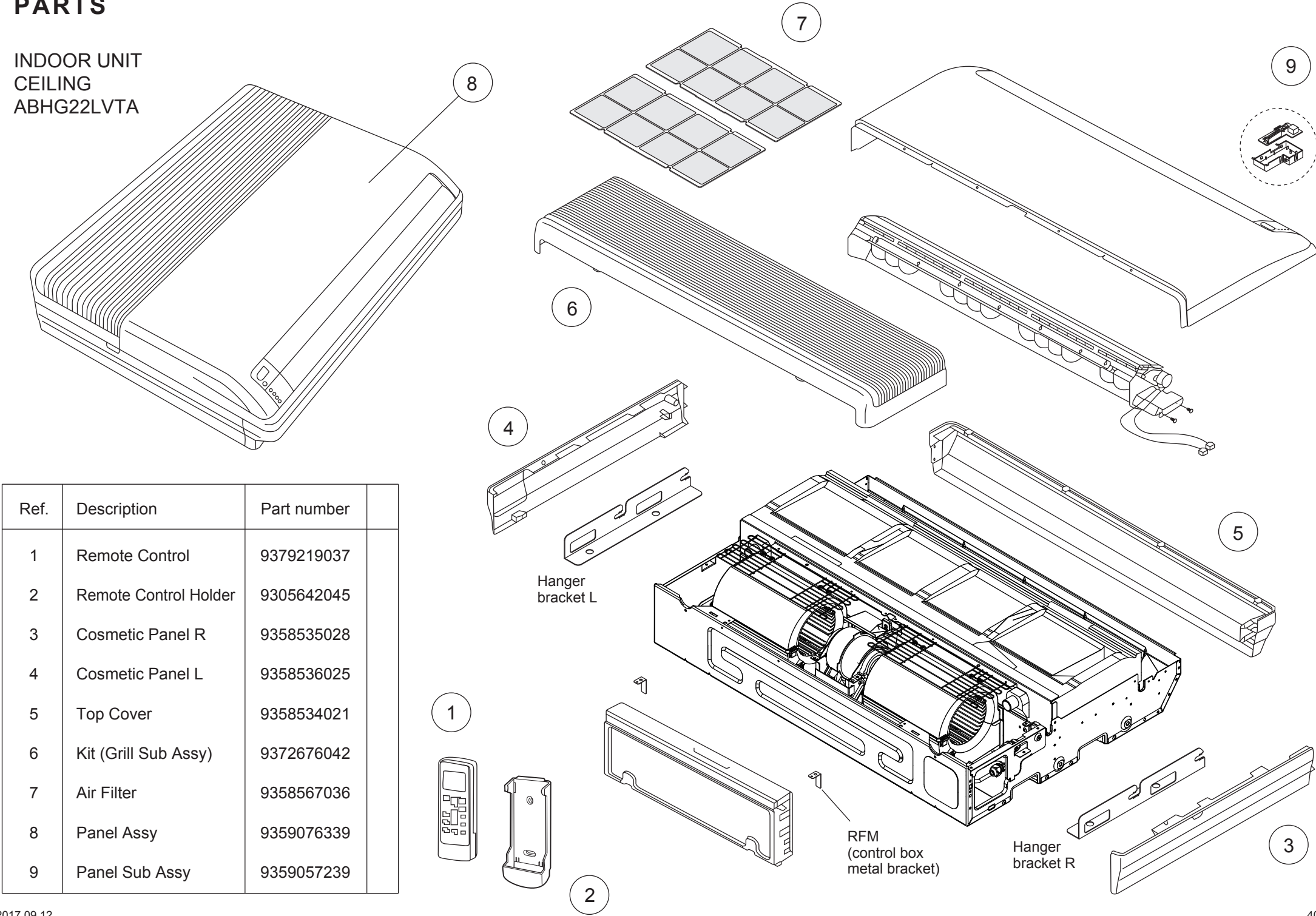
UTP-SX372A



Ref.	Description	Parts number	
1	Branch Pipe A Assy	9379102018	
2	Branch Pipe B Assy	9379105019	
3	Insulation A	9379100014	
4	Insulation B	9379101011	
5	Branch Pipe A Assy	9379102032	
6	Branch Pipe B Assy	9379105033	
7	Insulation B	9379101028	
8	Branch Pipe A Assy	9379116022	
9	Branch Header B Assy	9379108027	
10	Insulation A	9379111010	
11	Insulation B	9379112024	

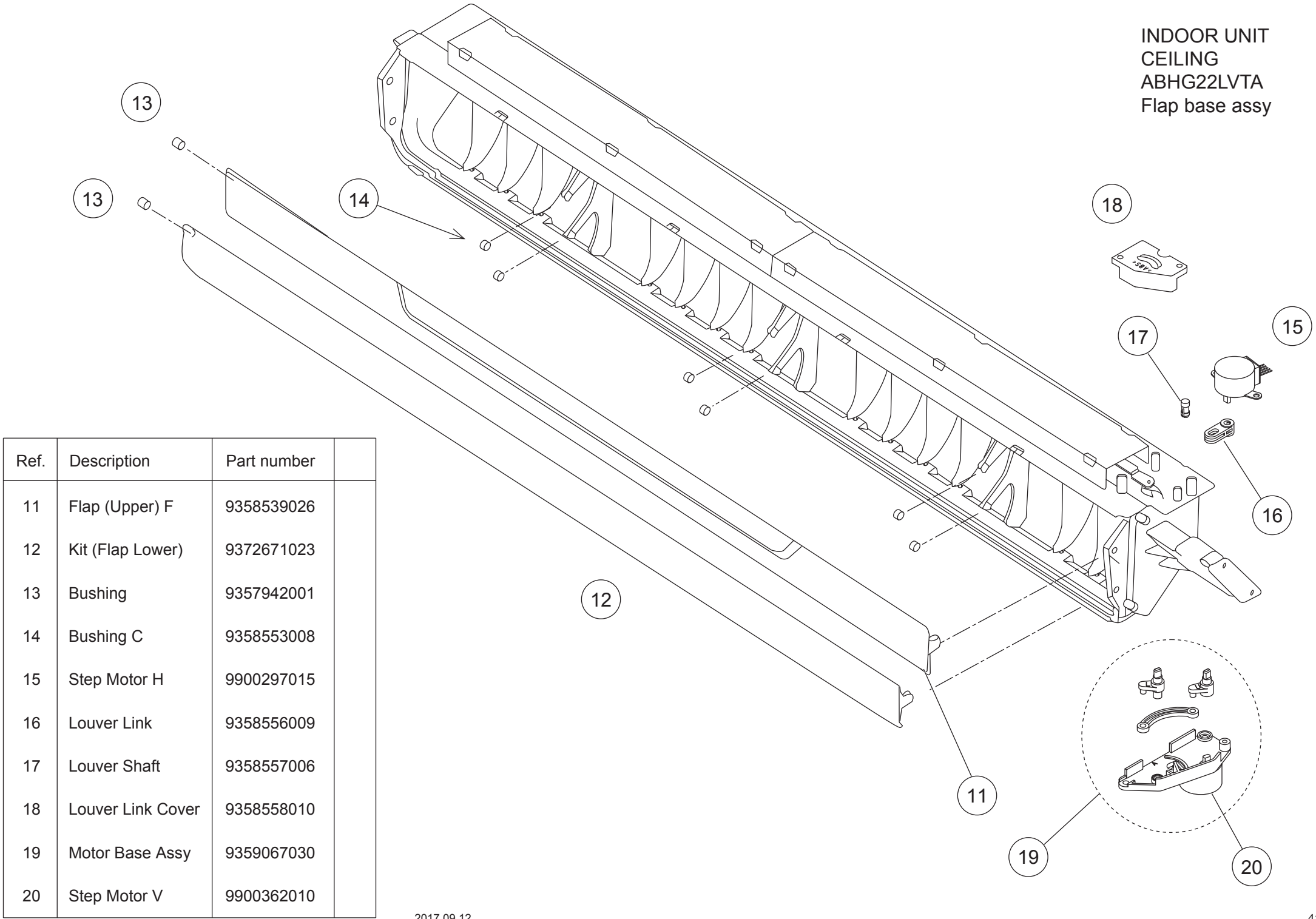
PARTS

INDOOR UNIT
CEILING
ABHG22LVTA



Ref.	Description	Part number
1	Remote Control	9379219037
2	Remote Control Holder	9305642045
3	Cosmetic Panel R	9358535028
4	Cosmetic Panel L	9358536025
5	Top Cover	9358534021
6	Kit (Grill Sub Assy)	9372676042
7	Air Filter	9358567036
8	Panel Assy	9359076339
9	Panel Sub Assy	9359057239

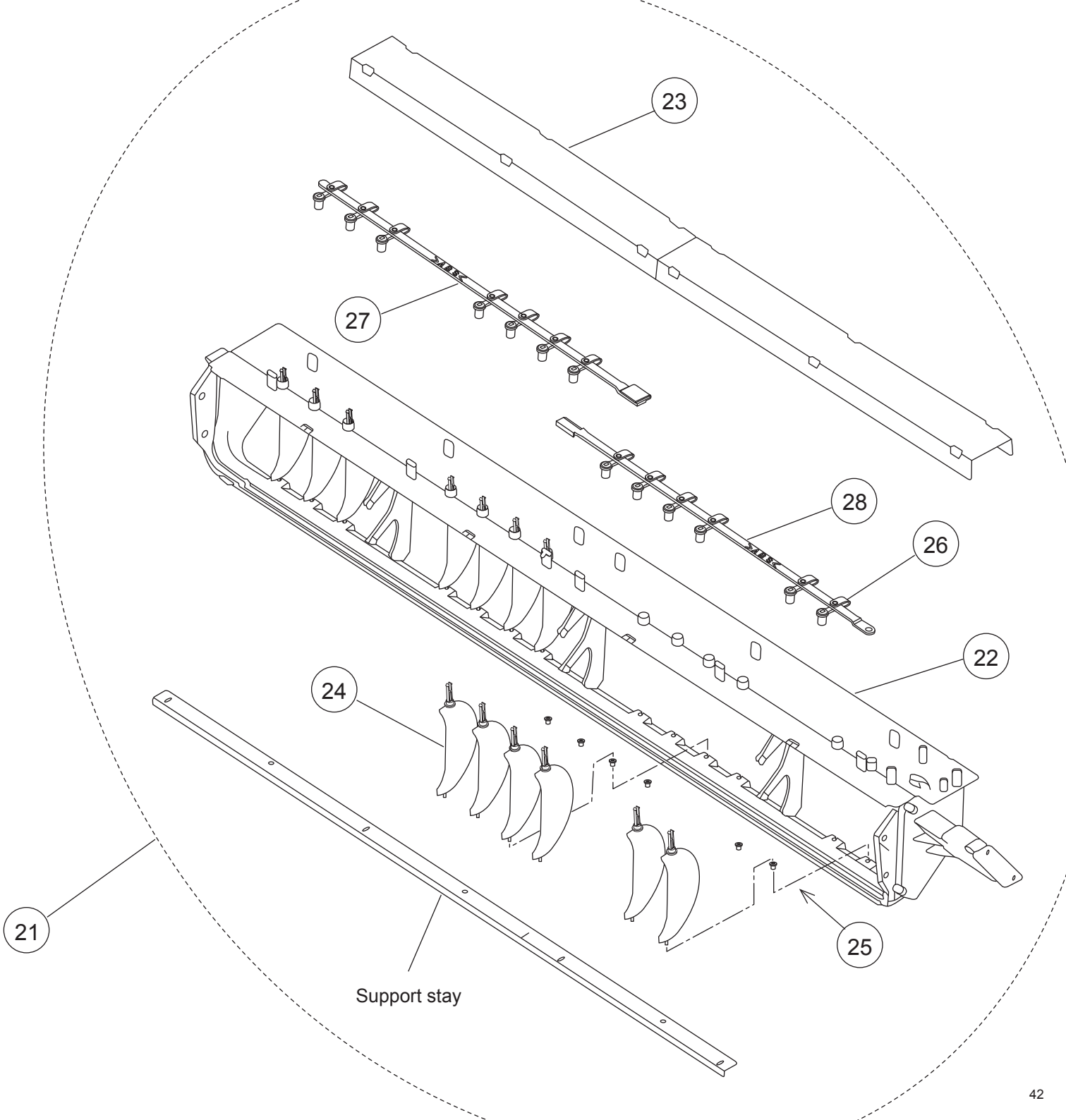
INDOOR UNIT
CEILING
ABHG22LVTA
Flap base assy



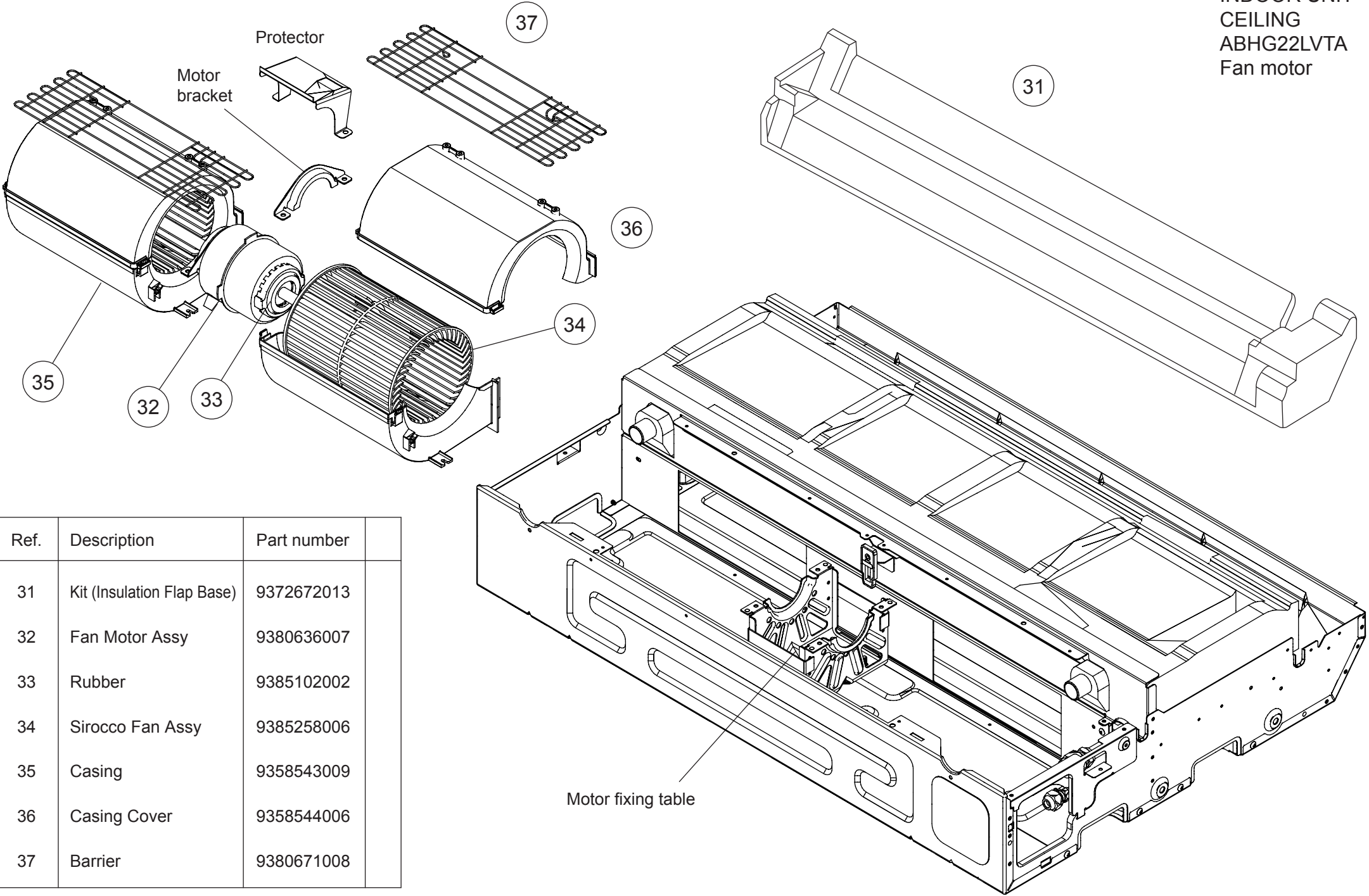
Ref.	Description	Part number	
11	Flap (Upper) F	9358539026	
12	Kit (Flap Lower)	9372671023	
13	Bushing	9357942001	
14	Bushing C	9358553008	
15	Step Motor H	9900297015	
16	Louver Link	9358556009	
17	Louver Shaft	9358557006	
18	Louver Link Cover	9358558010	
19	Motor Base Assy	9359067030	
20	Step Motor V	9900362010	

INDOOR UNIT
CEILING
ABHG22LVTA
Kit (flap base sub assy)

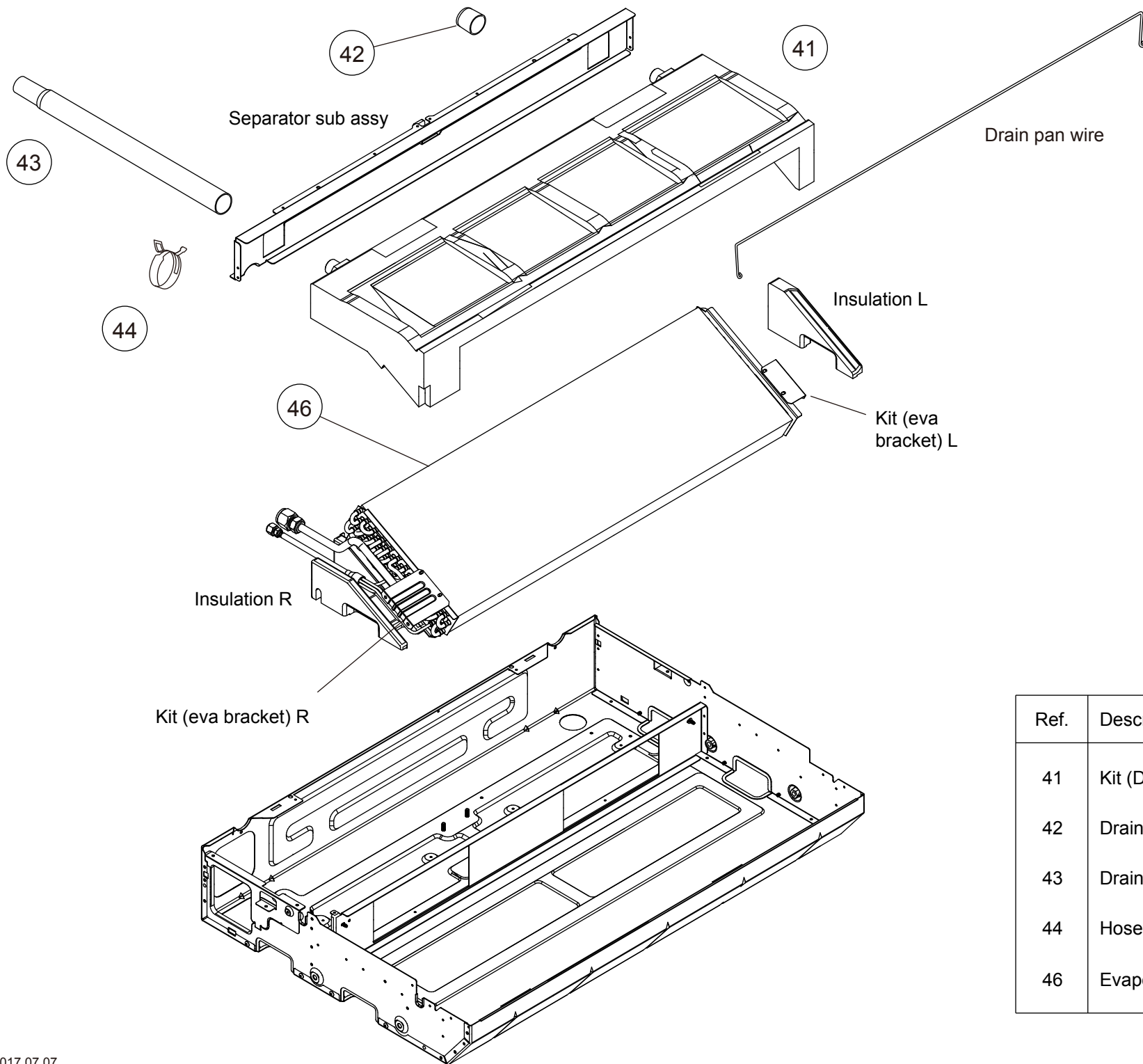
Ref.	Description	Part number	
21	Kit (Flap Base Sub Assy)	9372670040	
22	Flap Base	9358537022	
23	Protect Cover	9358564011	
24	Louver	9358561027	
25	Bushing B	9358554005	
26	Louver Stopper	9358555002	
27	Louver Rod	9358559017	
28	Motor Rod	9358560013	



INDOOR UNIT
CEILING
ABHG22LVTA
Fan motor

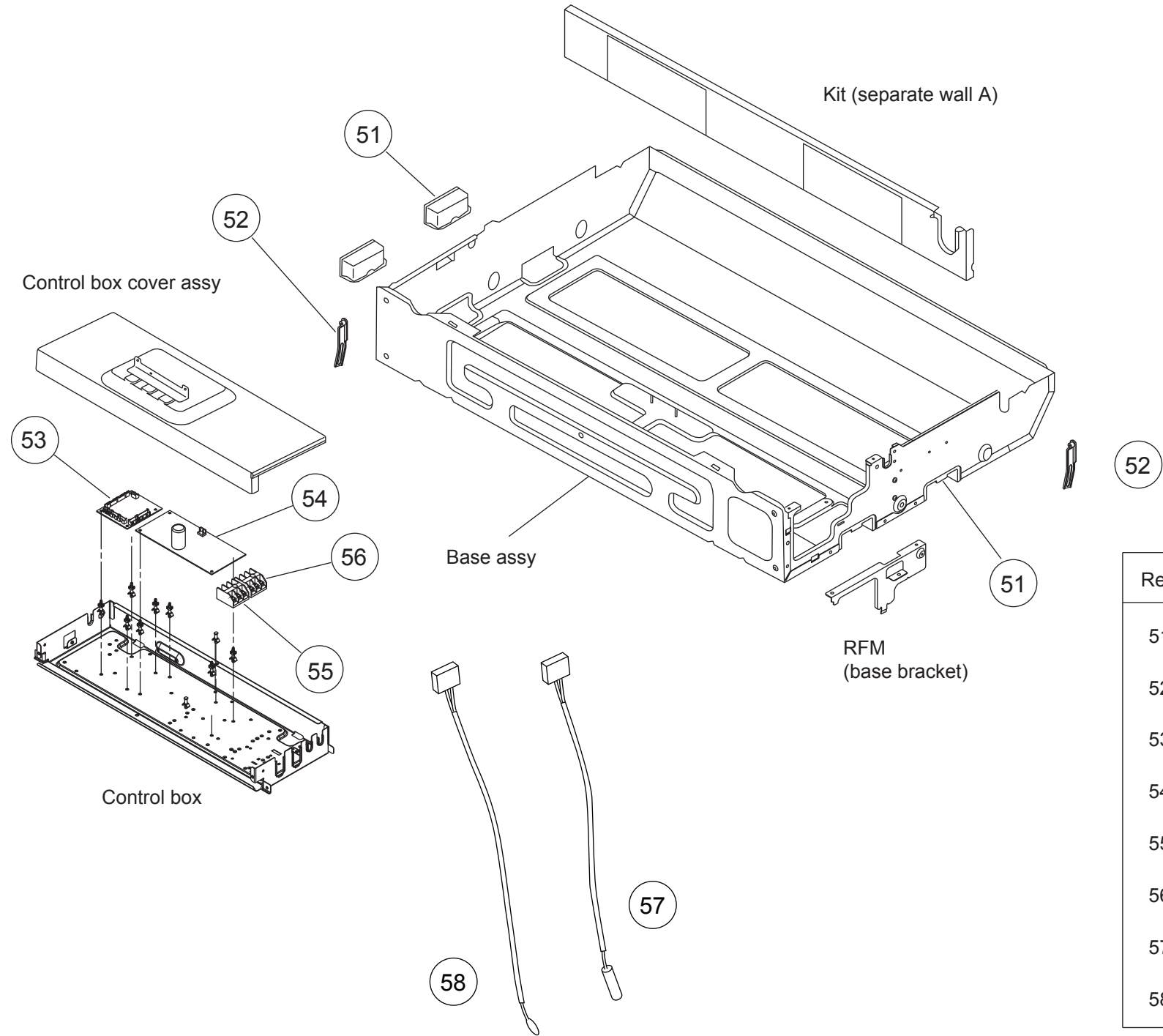


Ref.	Description	Part number	
31	Kit (Insulation Flap Base)	9372672013	
32	Fan Motor Assy	9380636007	
33	Rubber	9385102002	
34	Sirocco Fan Assy	9385258006	
35	Casing	9358543009	
36	Casing Cover	9358544006	
37	Barrier	9380671008	



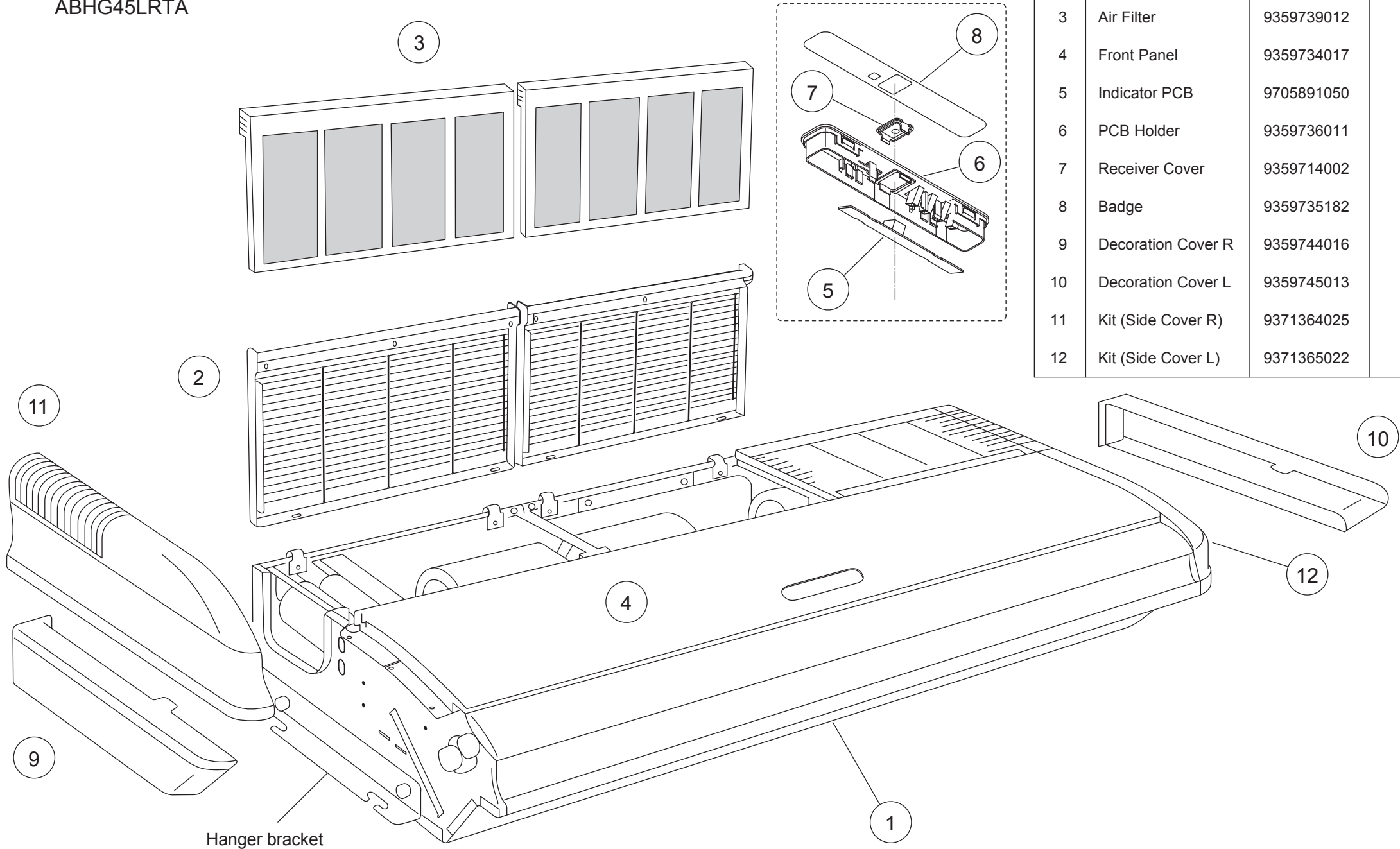
Ref.	Description	Part number	
41	Kit (Drain Pan Sub Assy)	9372669013	
42	Drain Cap	9358746004	
43	Drain Hose Assy	9377785060	
44	Hose Band	9379757003	
46	Evaporator Sub Assy	9359051268	

INDOOR UNIT
CEILING
ABHG22LVTA
Base sub assy
Control box

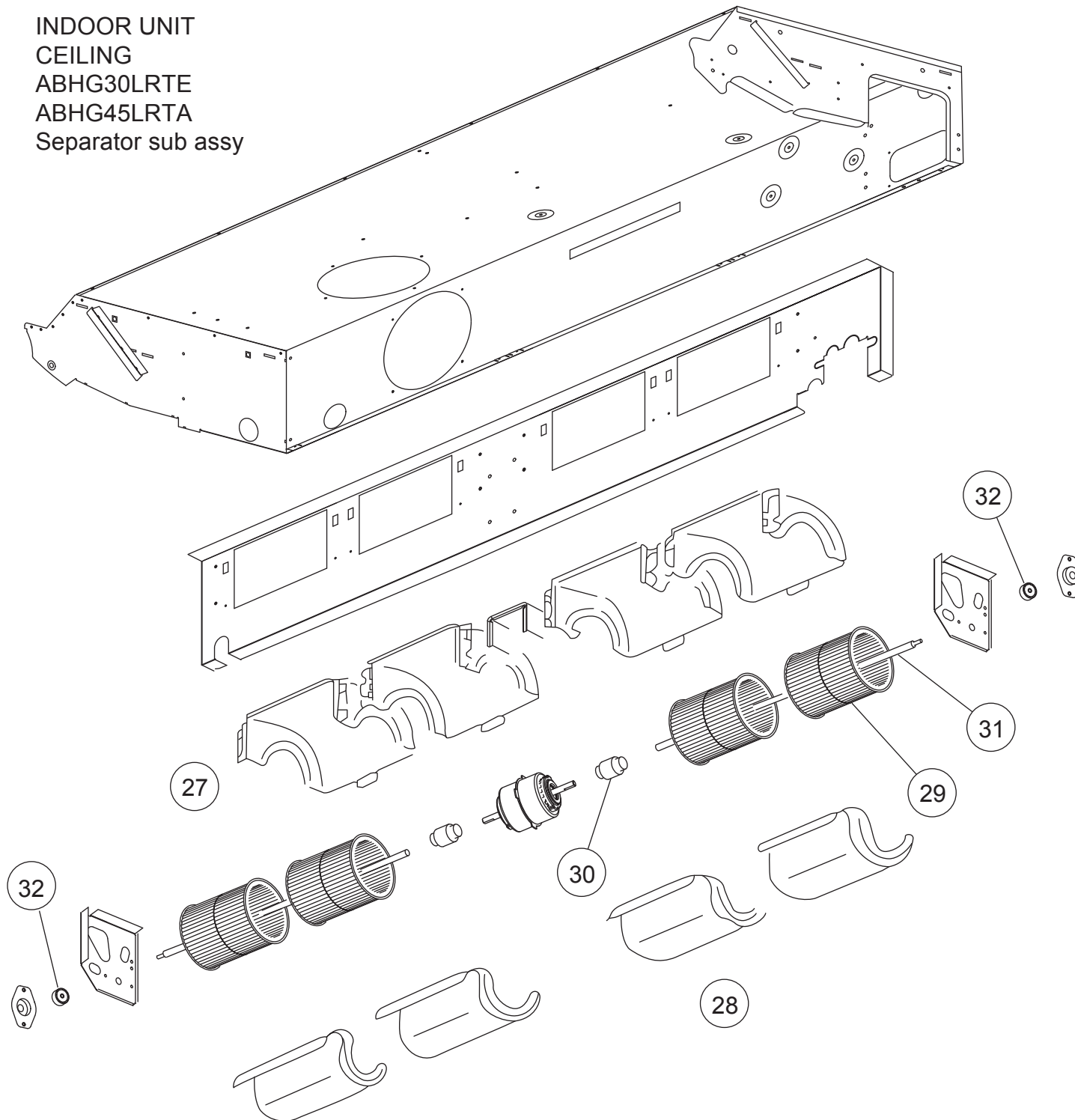


Ref.	Description	Part number	
51	Cap	9358563007	
52	Arm	9358565001	
53	Main PCB	9709245507	
54	Power Supply PCB	9707398274	
55	Terminal 3P	9306489045	
56	Terminal 3P	9703345012	
57	Pipe Thermistor	9900022020	
58	Room Thermistor	9703299087	

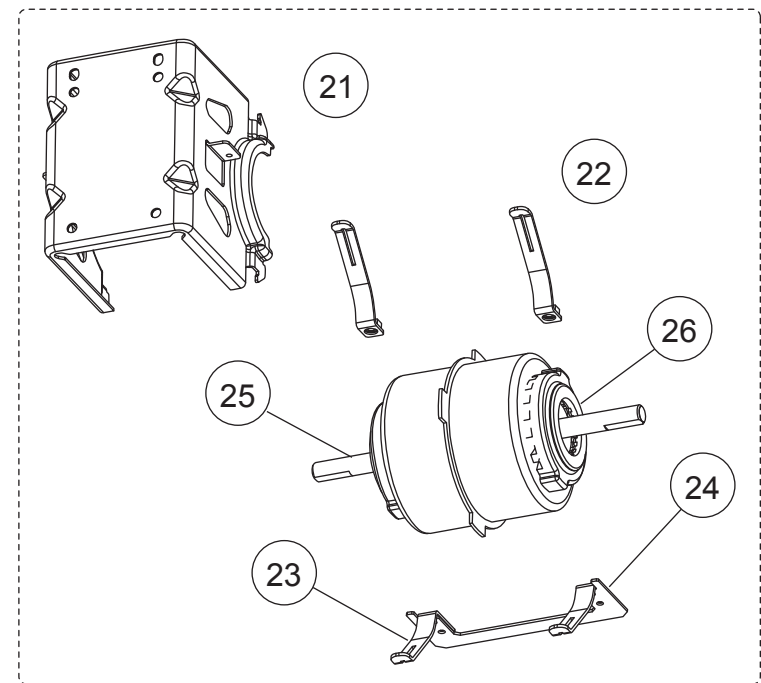
INDOOR UNIT
CEILING
ABHG30LRTE
ABHG45LRTA



INDOOR UNIT
CEILING
ABHG30LRTE
ABHG45LRTE
Separator sub assy

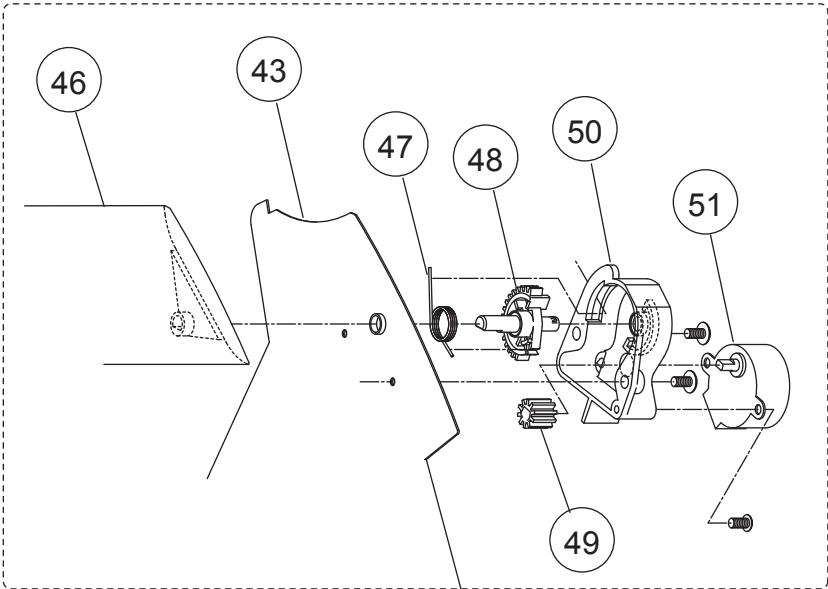
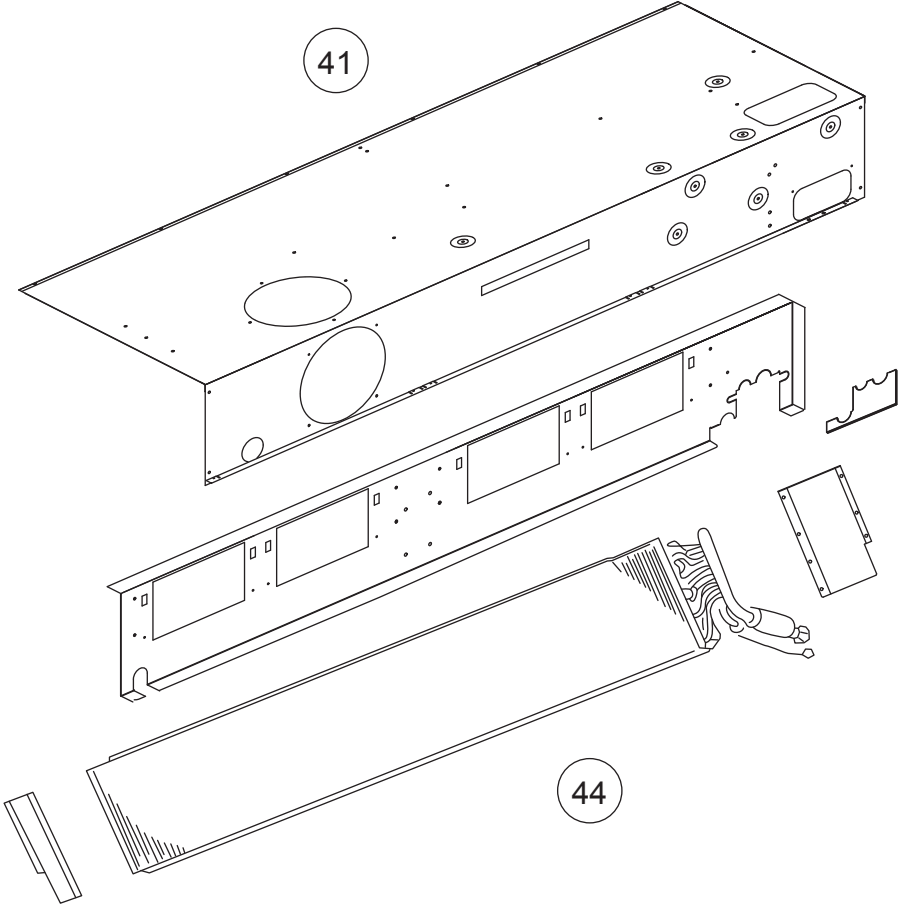
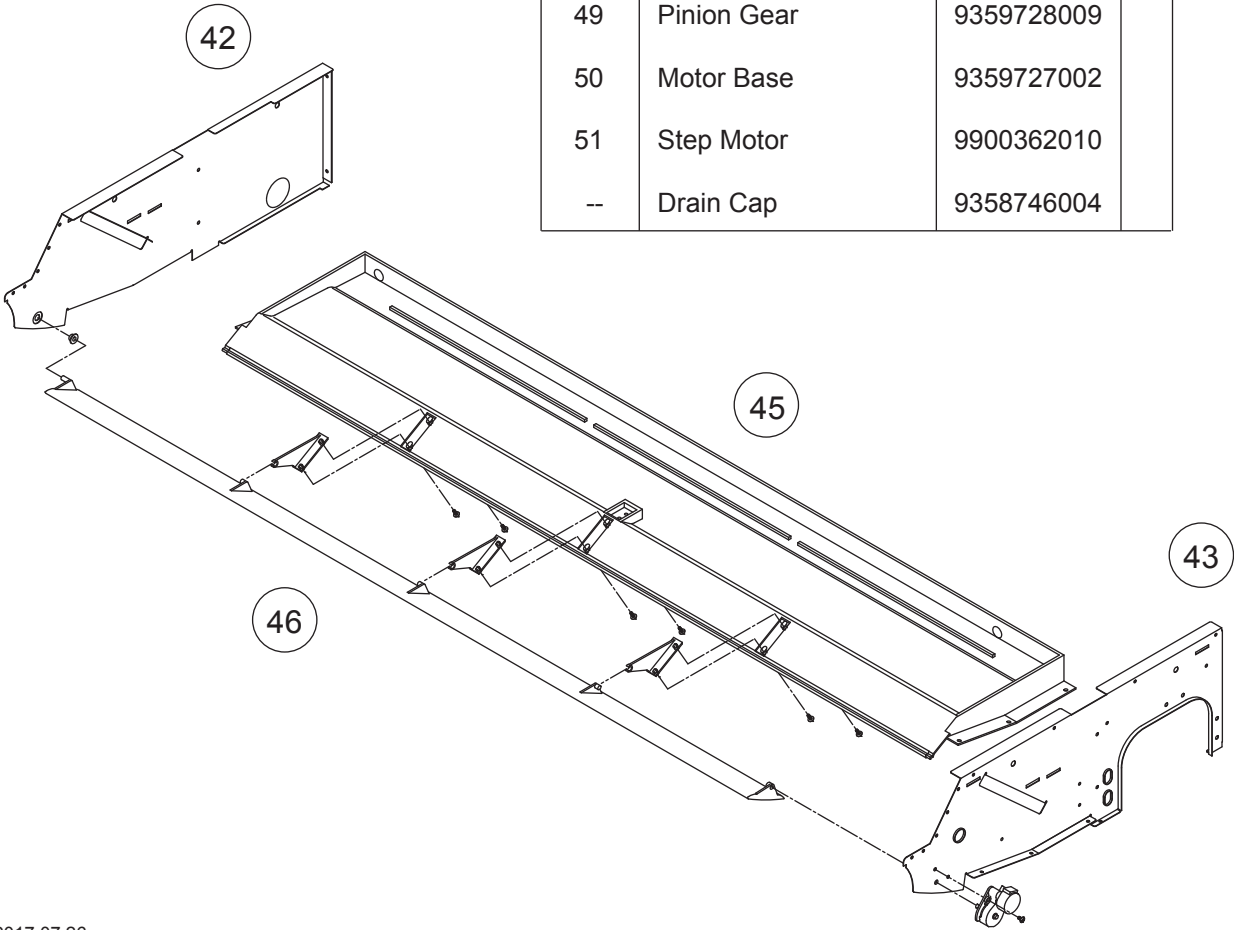


Ref.	Description	Part number	
21	Motor Mount	9377999016	
22	Motor Band A Assy	9374647019	
23	Motor band B	9374648023	
24	RFM Motor Band	9378000018	
25	Fan Motor Assy	9603286019	
26	Rubber (Vibration Proof)	9385102002	
27	Casing	9359704003	
28	Kit (Cover Casing) Sub Assy	9371367019	
29	Sirocco Fan Assy	9359701002	
30	Joint Assy	9378038011	
31	Shaft	9359707004	
32	Bearing B Assy	9357921006	



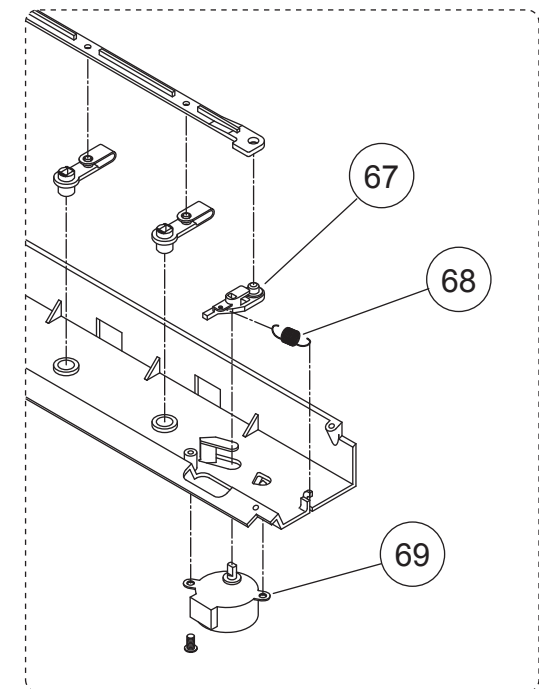
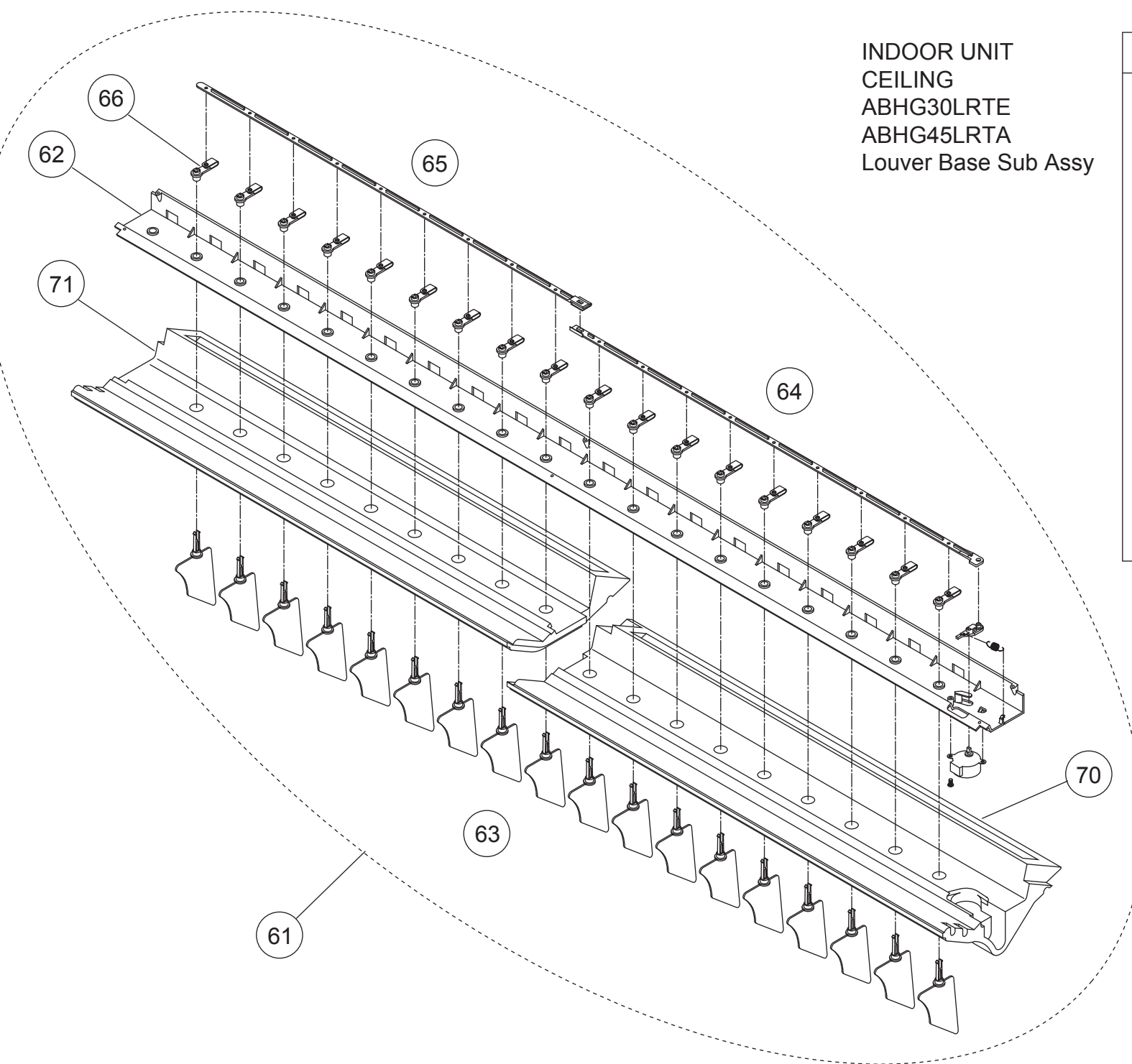
INDOOR UNIT
CEILING
ABHG30LRTE
ABHG45LRTE
Evaporator
Drain pan
Motor base sub assy

Ref.	Description	Part number
41	Kit (Base Sub Assy)	9371360010
42	Panel Left Sub Assy	9360427014
43	Kit (Panel Right Assy)	9371361017
44	Evaporator Sub Assy	9360428264
45	Drain Pan Sub Assy	9360429032
46	Flap Assy	9359731016
47	Flap Spring	9359730002
48	Sector Gear	9359729006
49	Pinion Gear	9359728009
50	Motor Base	9359727002
51	Step Motor	9900362010
--	Drain Cap	9358746004

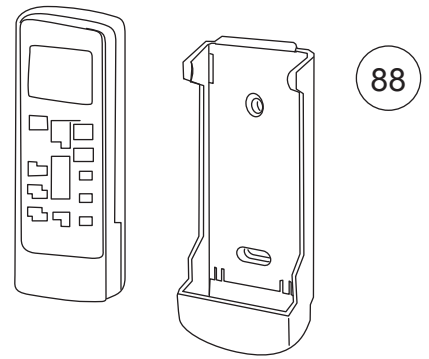
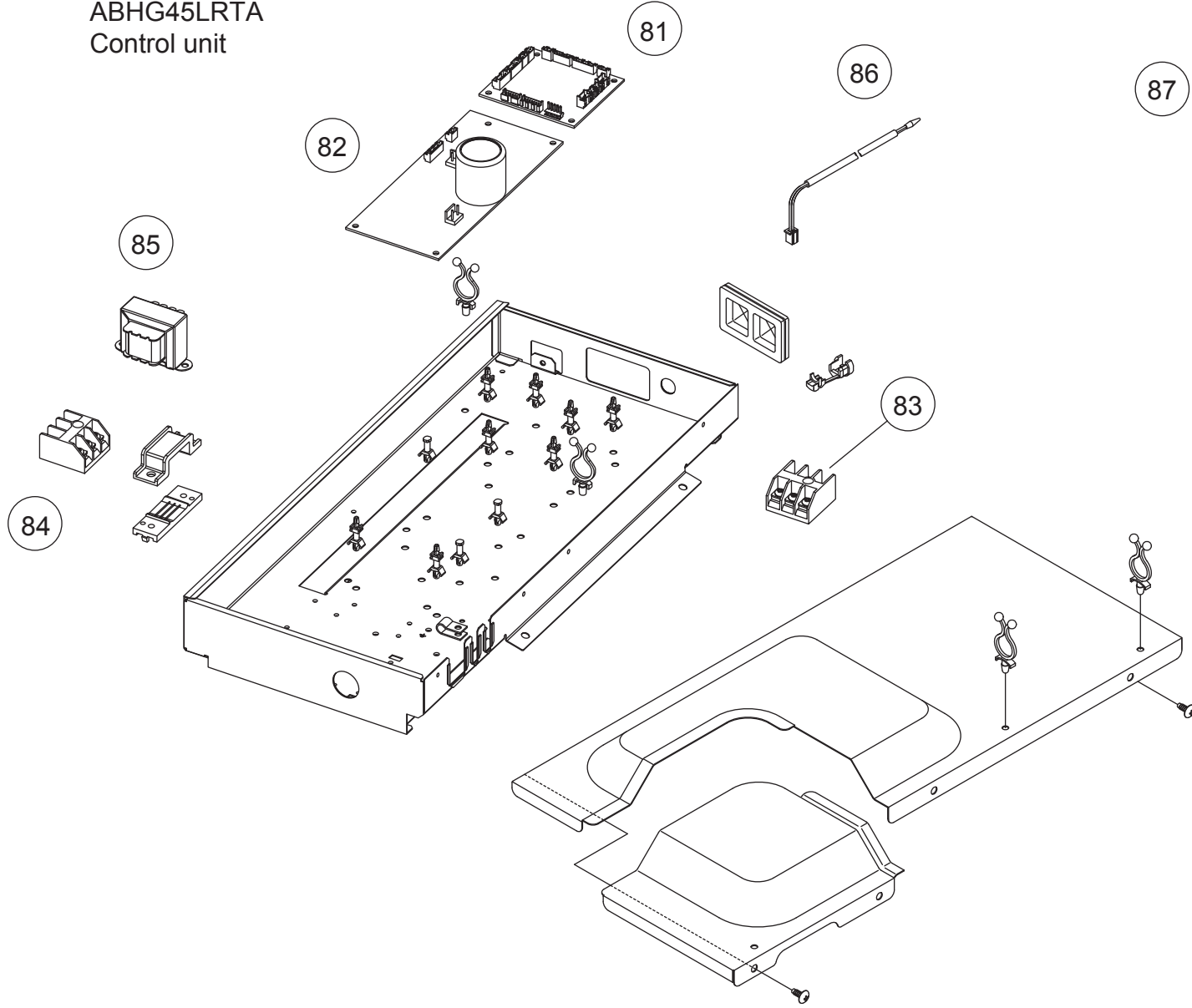


INDOOR UNIT
CEILING
ABHG30LRTE
ABHG45LRTA
Louver Base Sub Assy

Ref.	Description	Part number	
61	Louver Base Sub Assy	9360432049	
62	kit (Louver Base) SA	9371369013	
63	Louver	9359719014	
64	Motor Rod	9359723004	
65	Louver Rod	9359725008	
66	Louver Stopper	9359724001	
67	Louver Link	9359726005	
68	Louver Spring	9359720003	
69	Step Motor H	9900297015	
70	Louver Insulation R	9359721000	
71	Louver Insulation L	9359722007	



INDOOR UNIT
CEILING
ABHG30LRTE
ABHG45LRTA
Control unit

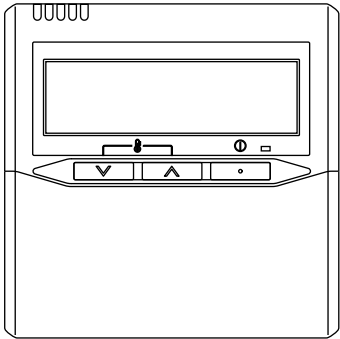


Ref.	Description	Part number
81	Main PCB (ABHG30LRTE)	9710621154
81	Main PCB (ABHG45LRTA)	9710621291
82	Power Supply PCB	9707398342
83	Terminal 3P	9703345012
84	Terminal 3P	9306489045
85	Reactor Assy	9707457018
86	Room Thermistor	9703299025
87	Remote Control	9379219037
88	Remote Control Holder	9305642045
--	Pipe Thermistor	9900949013

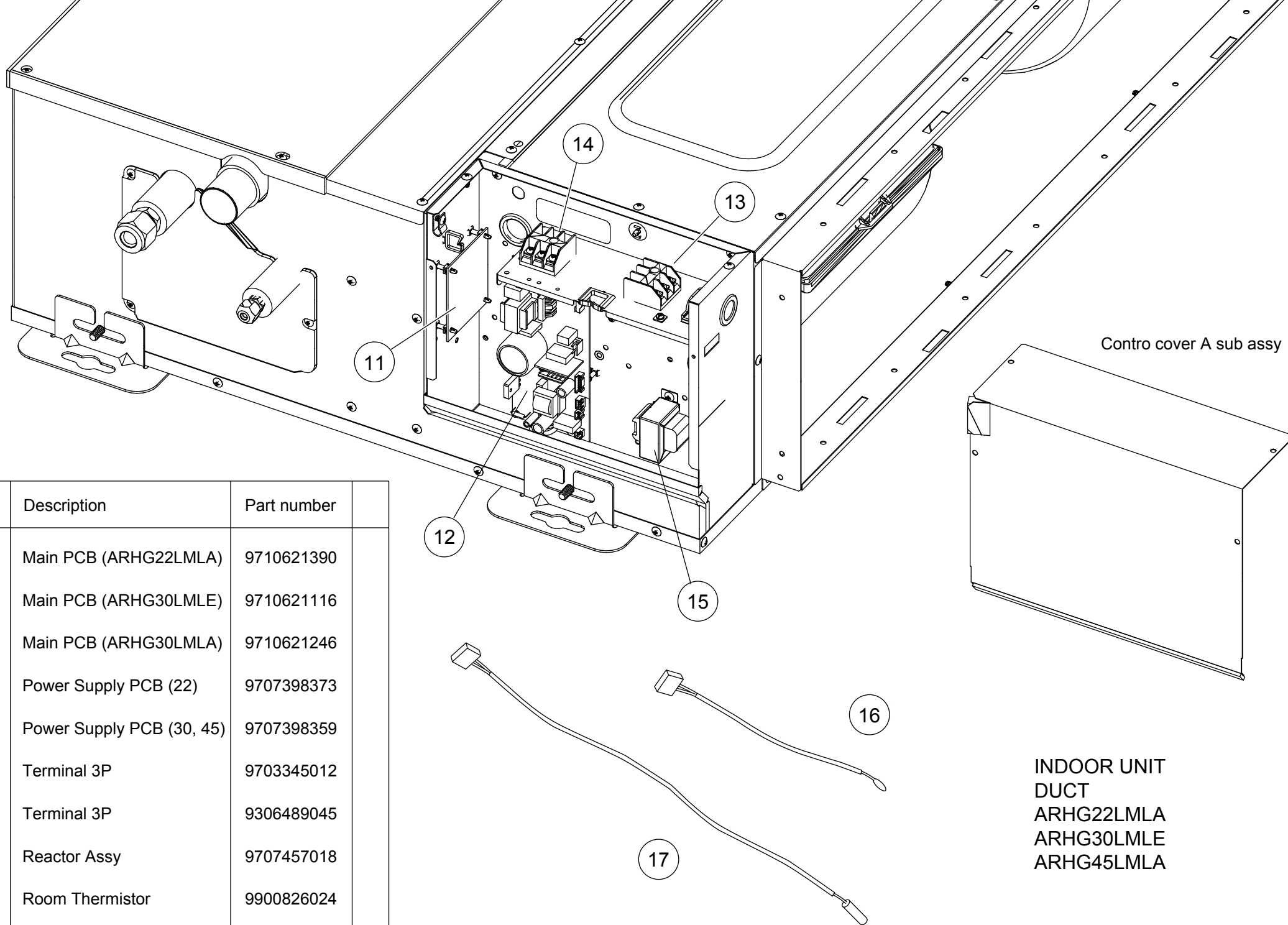
INDOOR UNIT
DUCT
ARHG22LMLA
ARHG30LMLE
ARHG45LMLA

Hook metal

1



Ref.	Description	Part number	
1	Remote Control	9318593013	



Ref.	Description	Part number
11	Main PCB (ARHG22LMLA)	9710621390
11	Main PCB (ARHG30LMLE)	9710621116
11	Main PCB (ARHG30LMLA)	9710621246
12	Power Supply PCB (22)	9707398373
12	Power Supply PCB (30, 45)	9707398359
13	Terminal 3P	9703345012
14	Terminal 3P	9306489045
15	Reactor Assy	9707457018
16	Room Thermistor	9900826024
17	Pipe Thermistor	9900814014

Bracket pipe sub assy

Main panel sub assy

INDOOR UNIT
DUCT
ARHG22LMLA
ARHG30LMLE
ARHG45LMLA

Ref.	Description	Part number	
21	Drain Pan Sub Assy	9374513017	
22	Evaporator Total Assy (ARHG22LMLA)	9374517268	
22	Evaporator Total Assy (ARHG30LMLE)	9374517312	
22	Evaporator Total Assy (ARHG45LMLA)	9374517251	

INDOOR UNIT
DUCT
ARHG22LMLA

Intake cover sub assy

Intake frame assy

Ref.	Description	Part number	
31	Casing A	9374233021	
32	Casing B	9374234028	
33	Sirocco Fan Assy	9356531060	
34	Fan Motor Assy	9380718031	
35	Rubber	9385102002	

Motor bracket

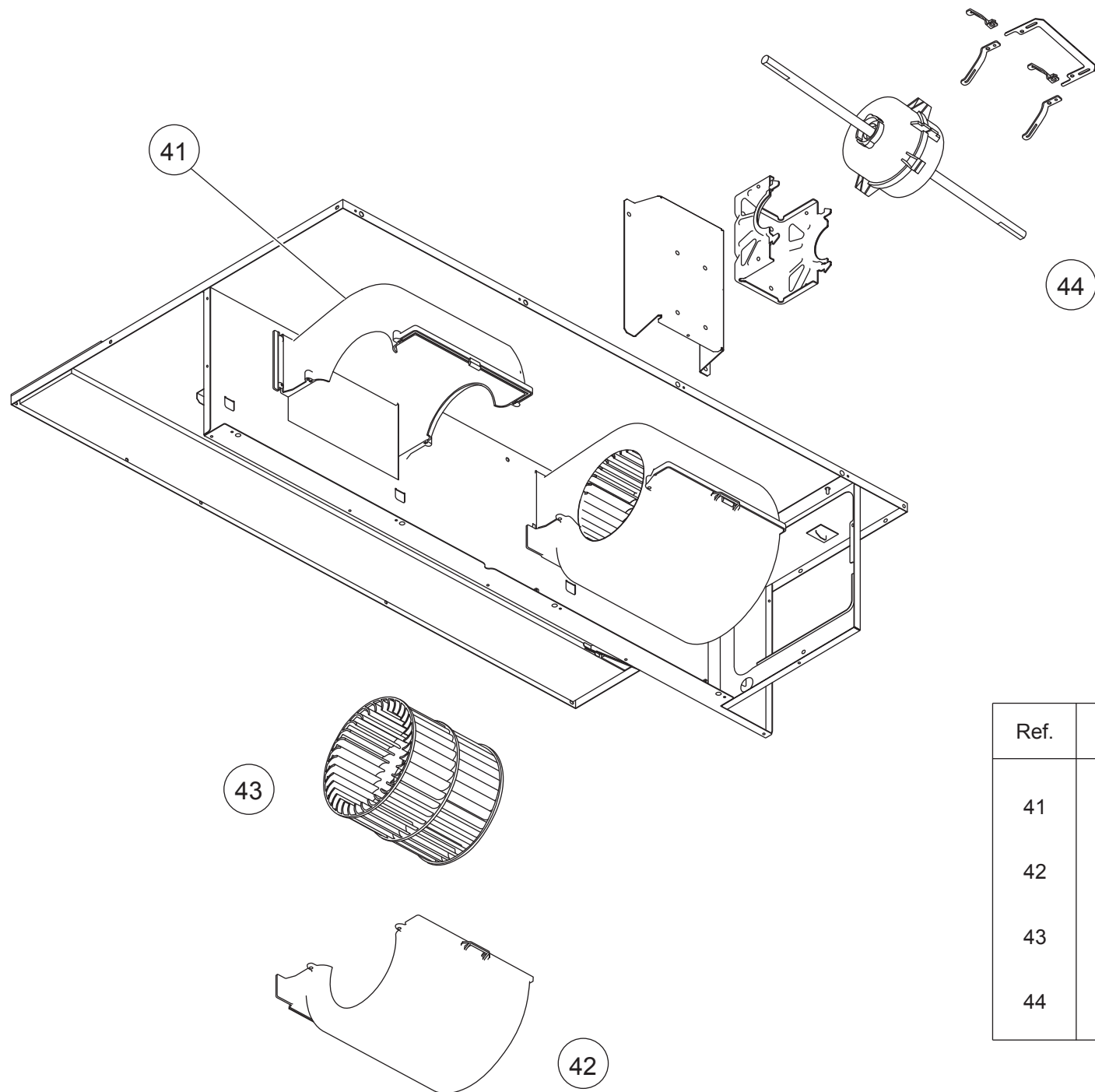
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31

33

34

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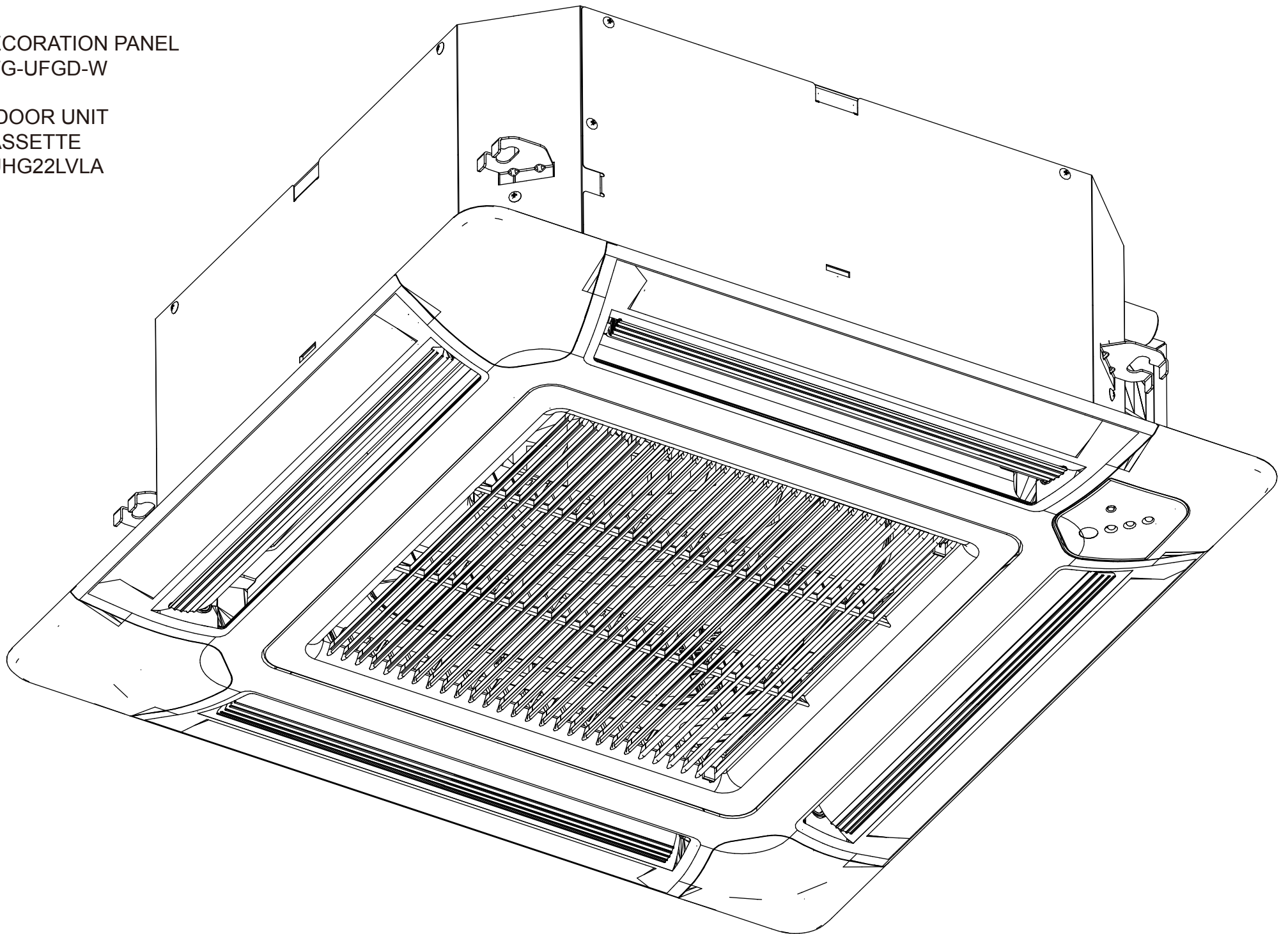


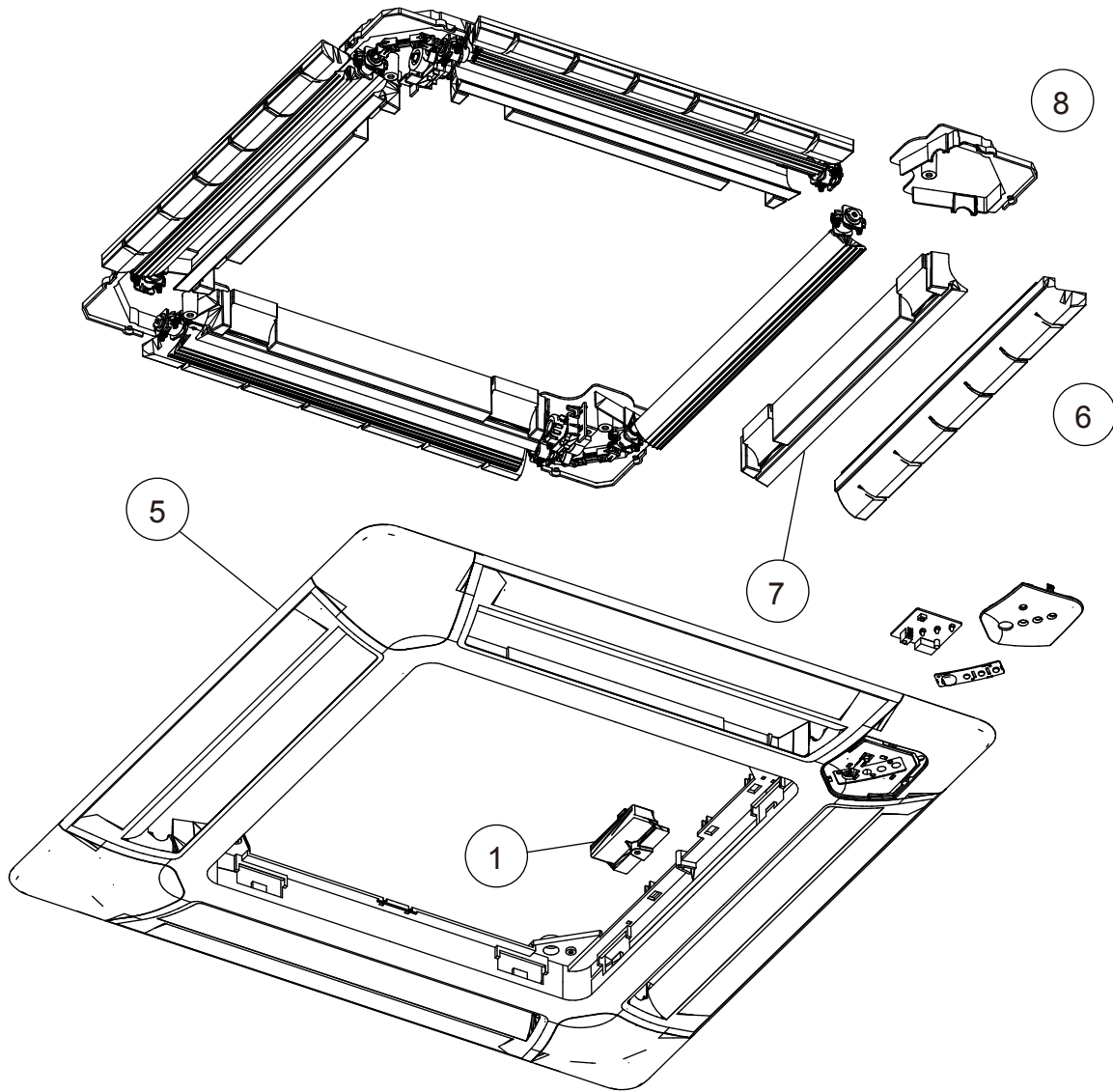
INDOOR UNIT
DUCT
ARHG30LMLE
ARHG45LMLA

Ref.	Description	Part number	
41	Casing A	9374233021	
42	Casing B	9374234028	
43	Sirocco Fan Assy	9356531046	
44	Fan Motor	9603213015	

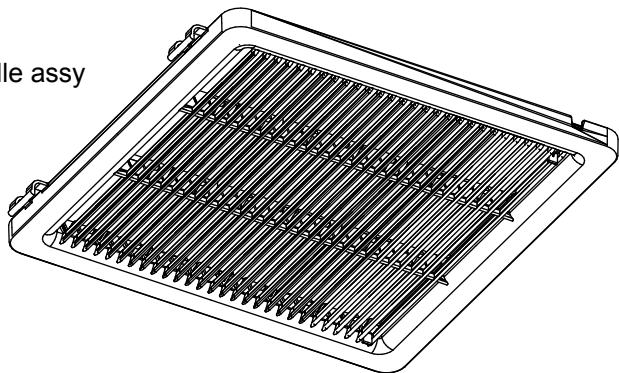
DECORATION PANEL
UTG-UFGD-W

INDOOR UNIT
CASSETTE
AUHG22LVLA

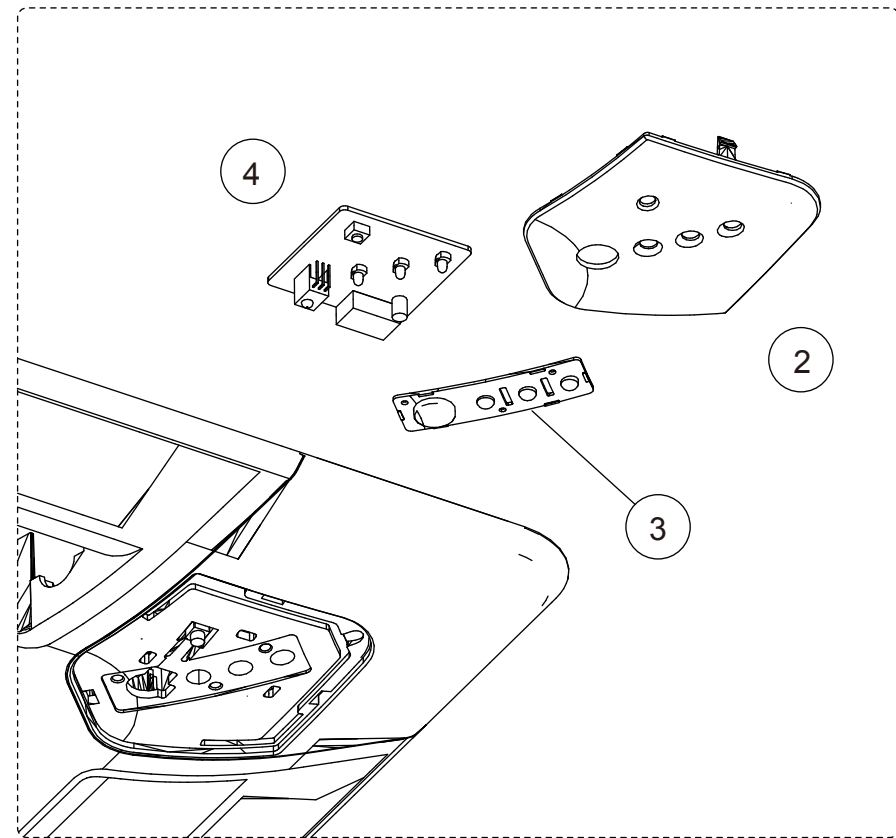




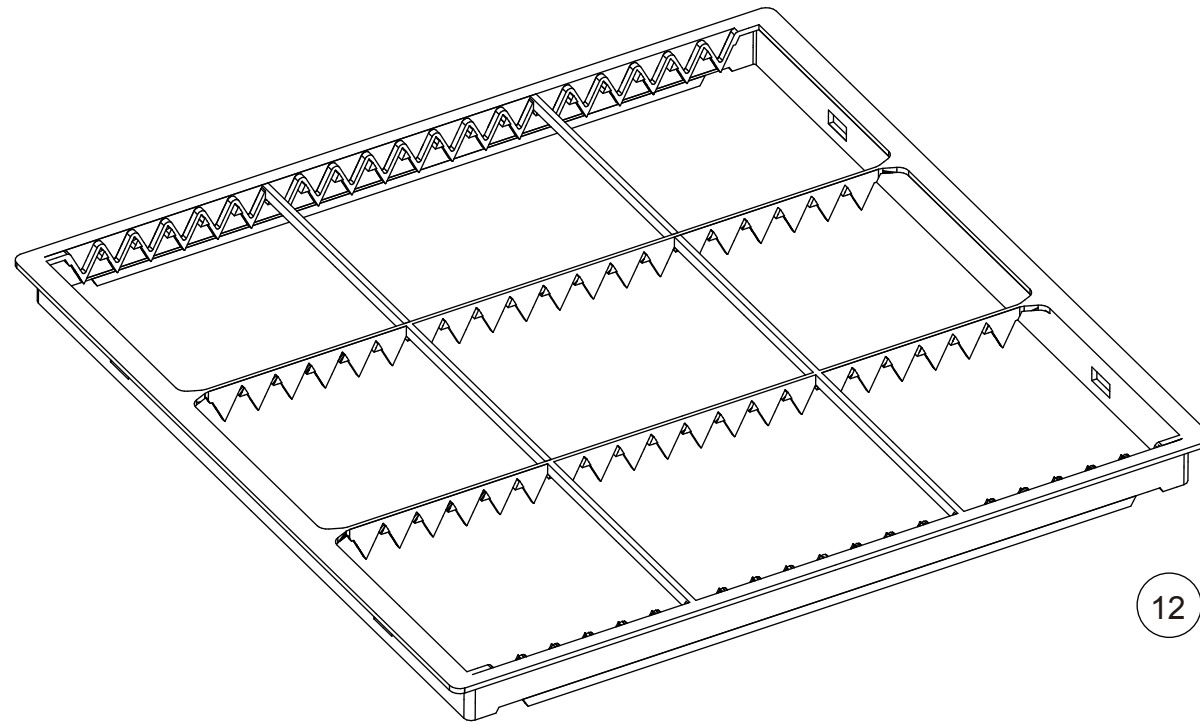
Intake Grille assy



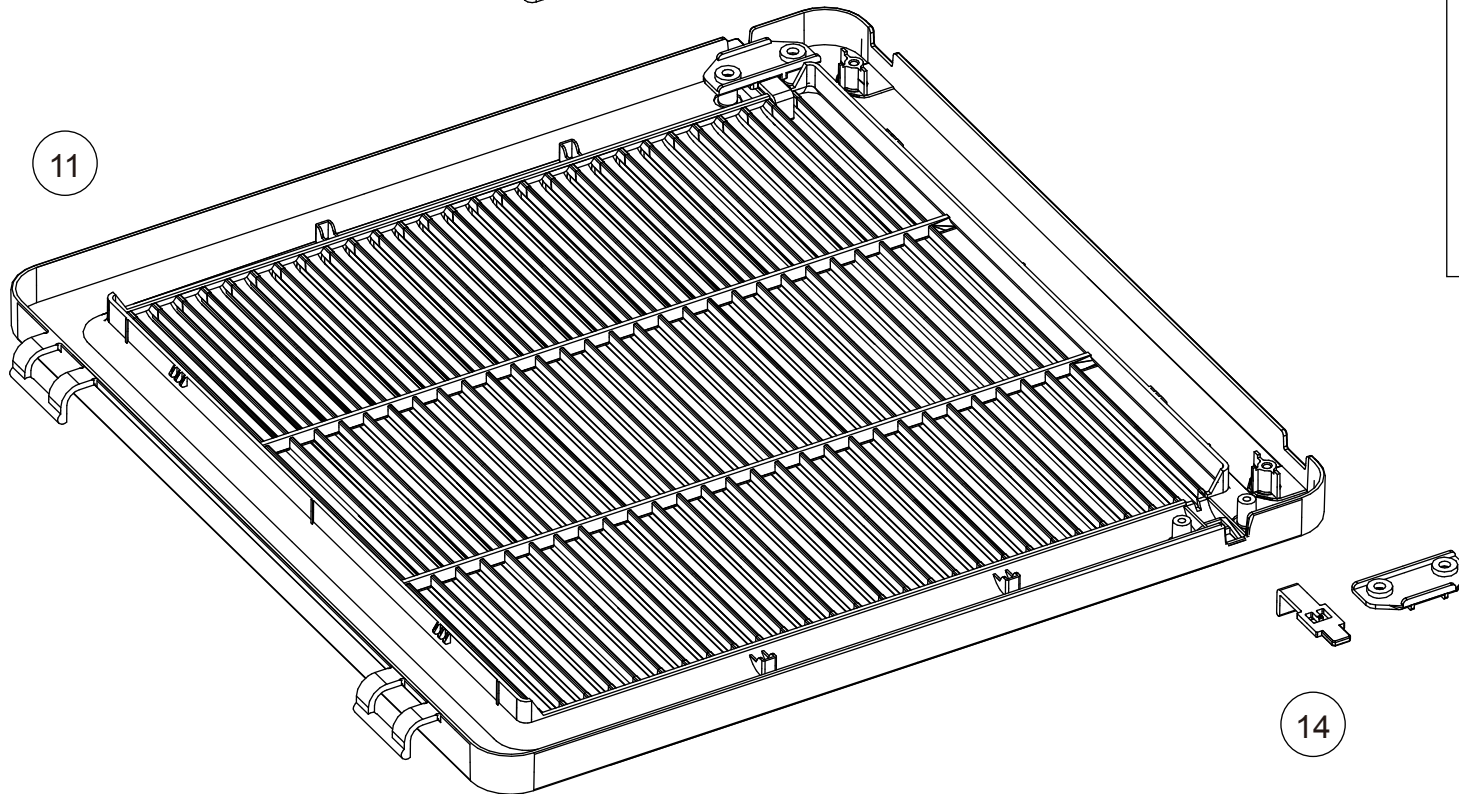
DECORATION PANEL
UTG-UFGD-W



Ref.	Description	Part number	
1	Connector Cover	9375549015	
2	Display Panel	9375529130	
3	Receiver Window	9375547011	
4	Indicator PCB	9707371031	
5	Decoration Panel	9375525040	
6	Panel Insulation A	9375526016	
7	Panel Insulation B	9375527013	
8	Panel Cover	9375530013	

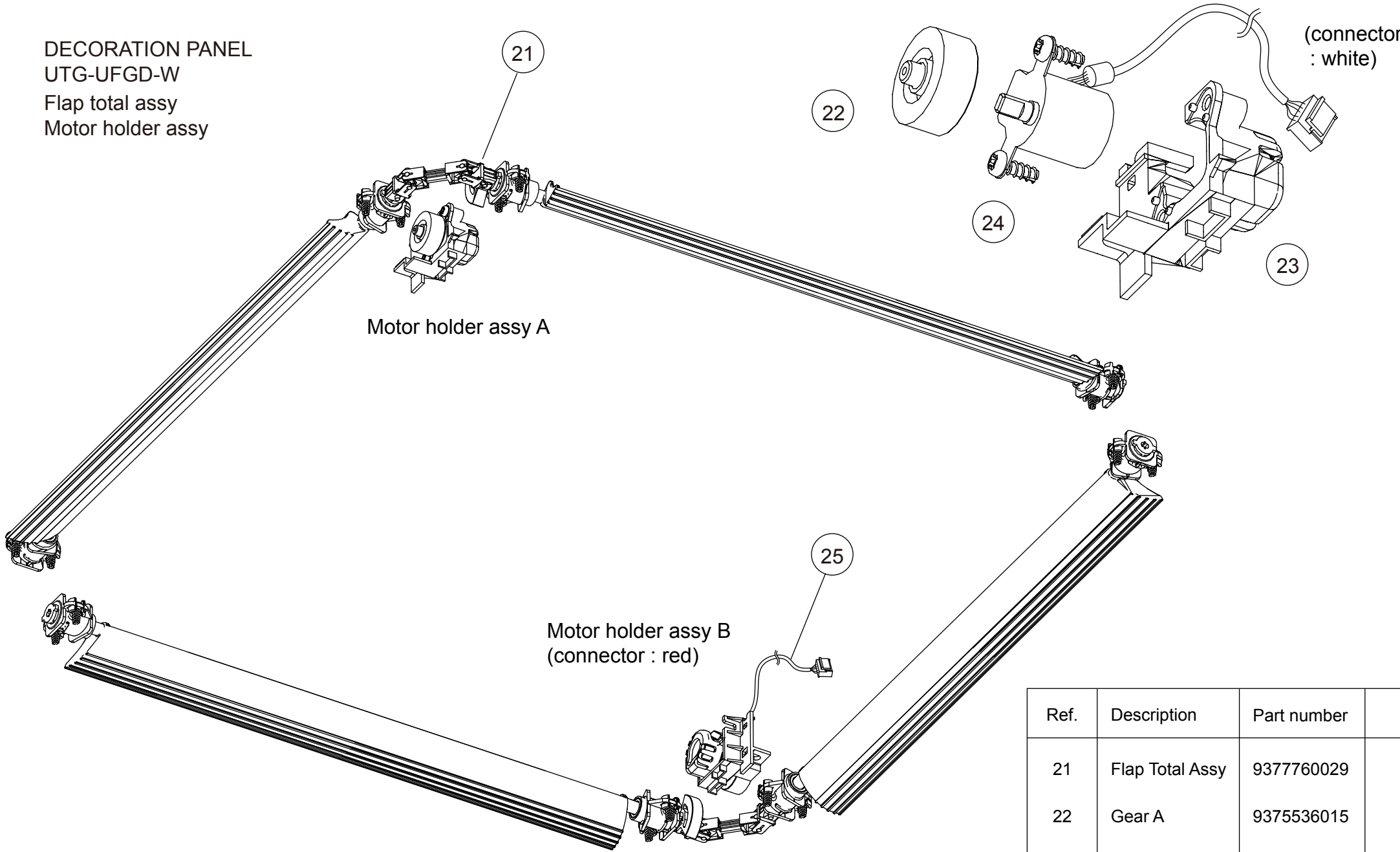


DECORATION PANEL
UTG-UFGD-W
Intake grille assy



Ref.	Description	Part number	
11	Intake Grille	9375531034	
12	Long Life Filter	9375533014	
13	Hook Bracket	9375546014	
14	Grille Hook	9375532024	

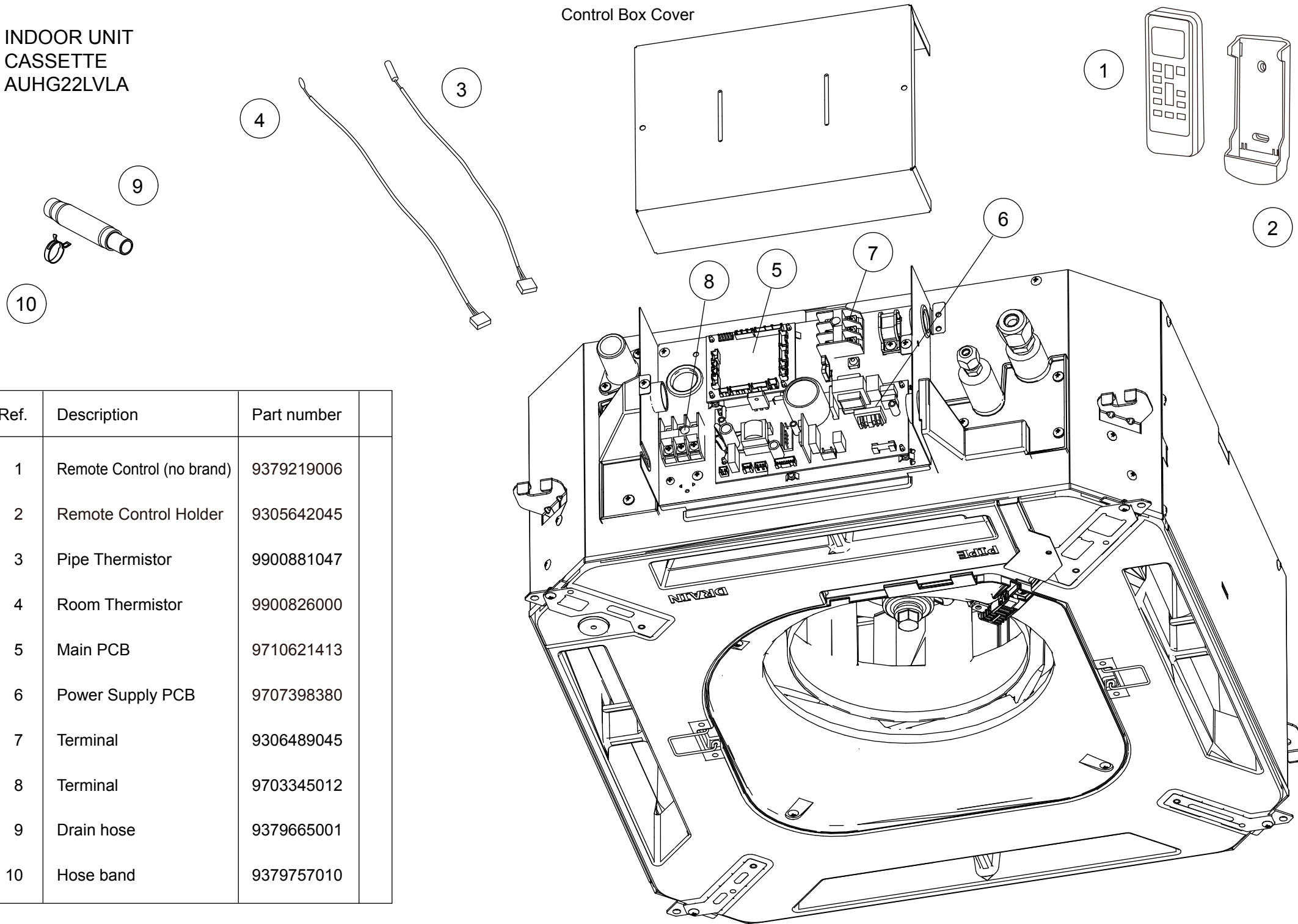
DECORATION PANEL
UTG-UFGD-W
Flap total assy
Motor holder assy



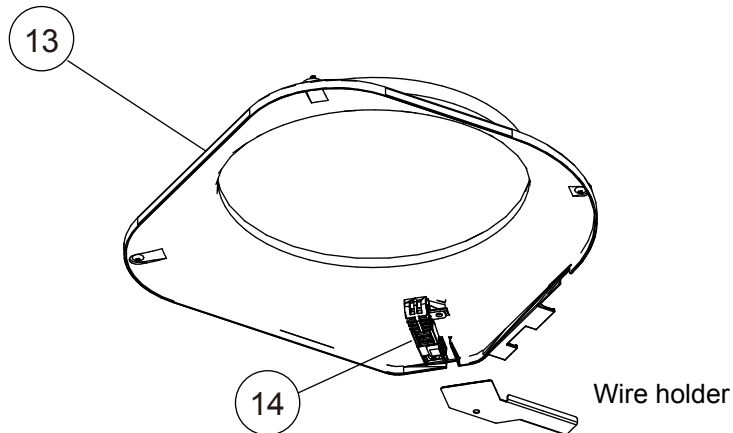
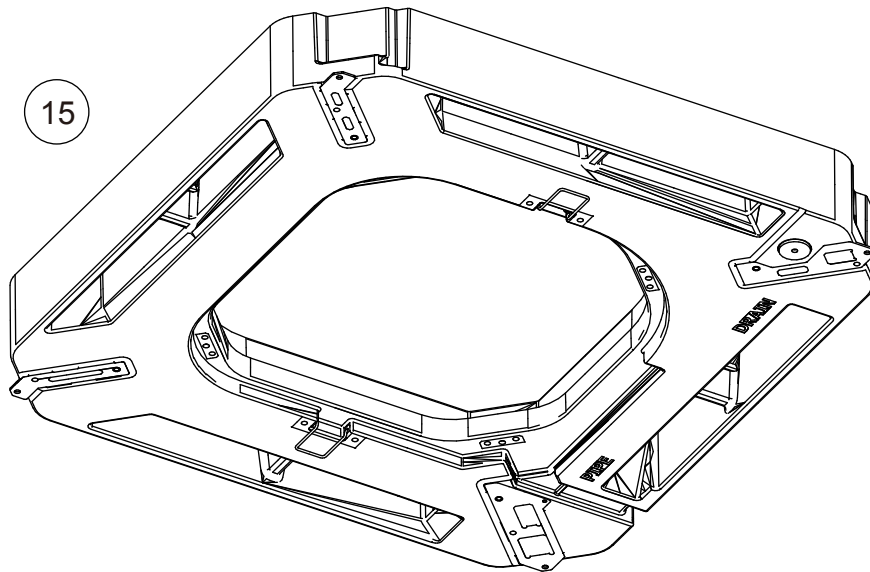
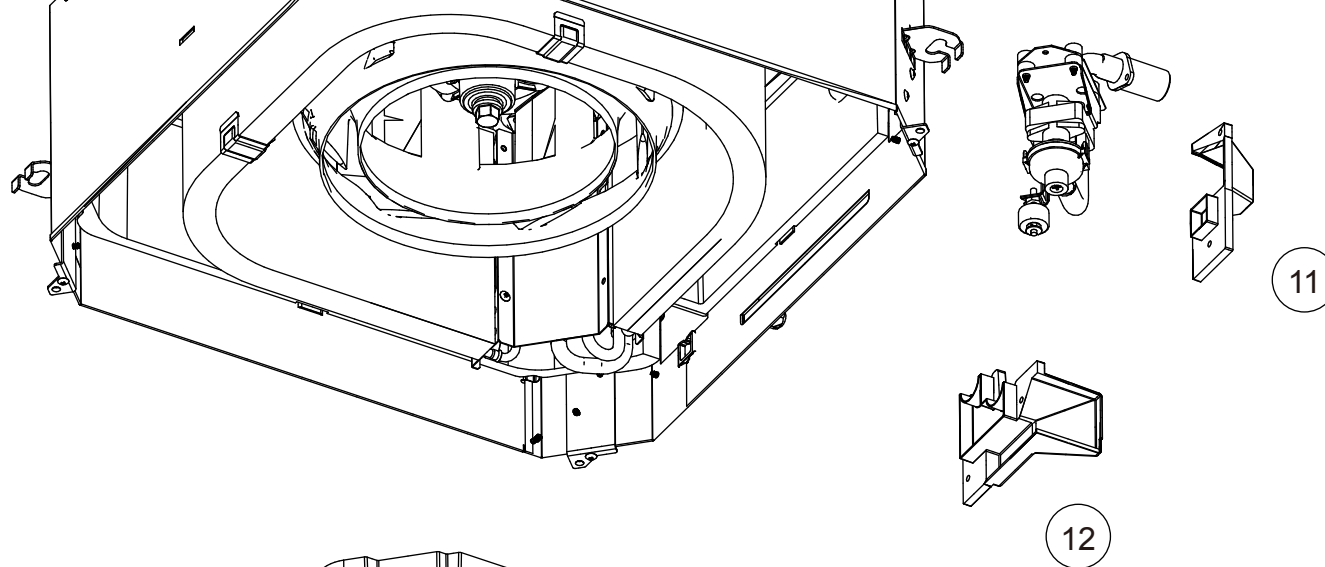
Ref.	Description	Part number	
21	Flap Total Assy	9377760029	
22	Gear A	9375536015	
23	Motor Holder	9375535018	
24	Step Motor	9900139070	
25	Step Motor	9900139087	

INDOOR UNIT
CASSETTE
AUHG22LVLA

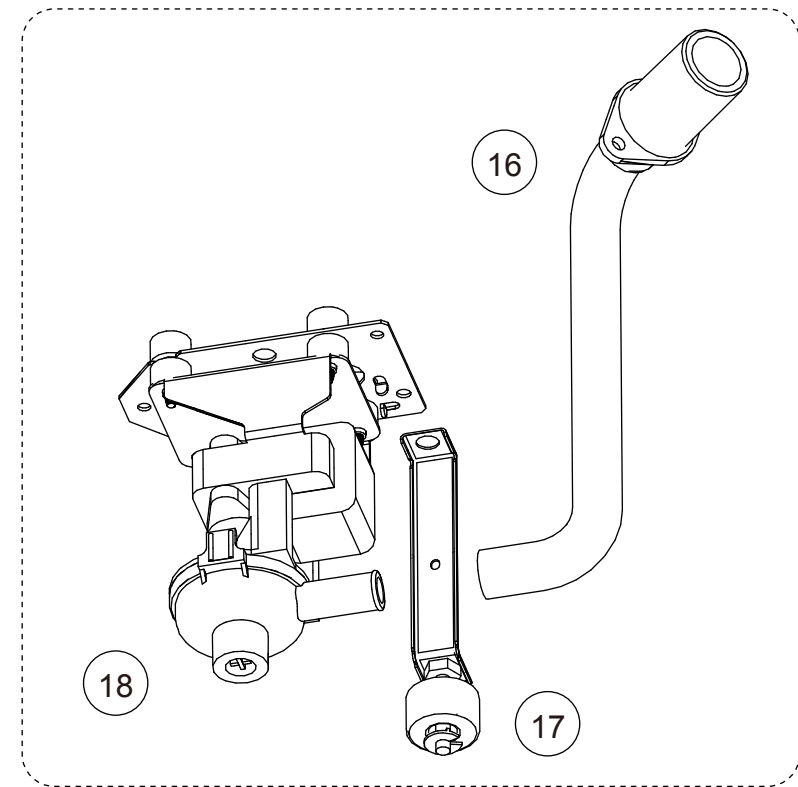
Control Box Cover



Ref.	Description	Part number	
1	Remote Control (no brand)	9379219006	
2	Remote Control Holder	9305642045	
3	Pipe Thermistor	9900881047	
4	Room Thermistor	9900826000	
5	Main PCB	9710621413	
6	Power Supply PCB	9707398380	
7	Terminal	9306489045	
8	Terminal	9703345012	
9	Drain hose	9379665001	
10	Hose band	9379757010	

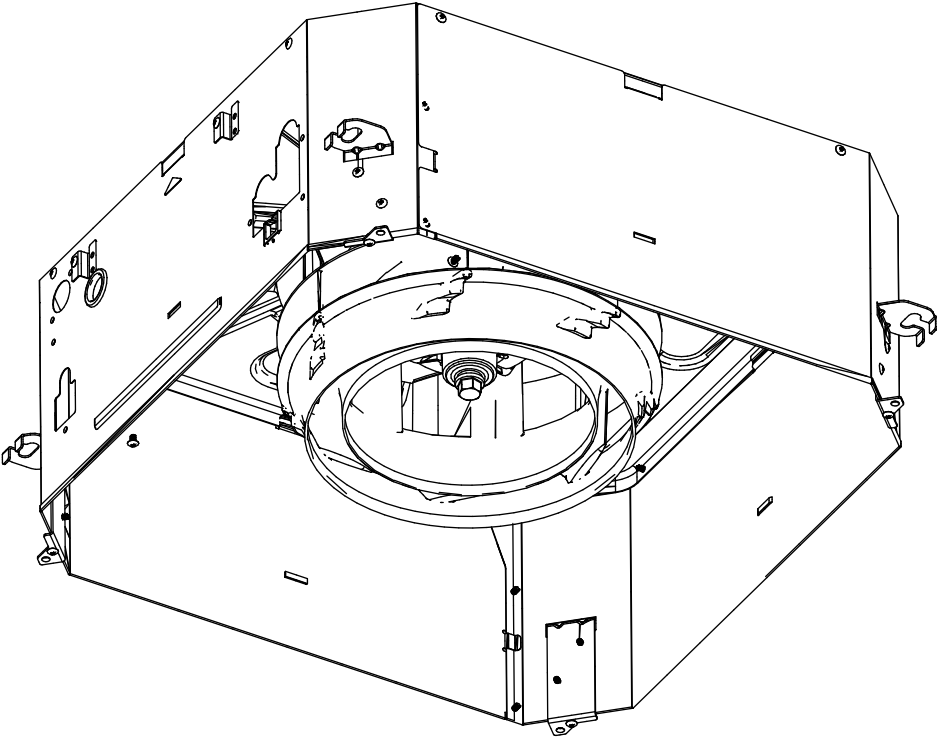
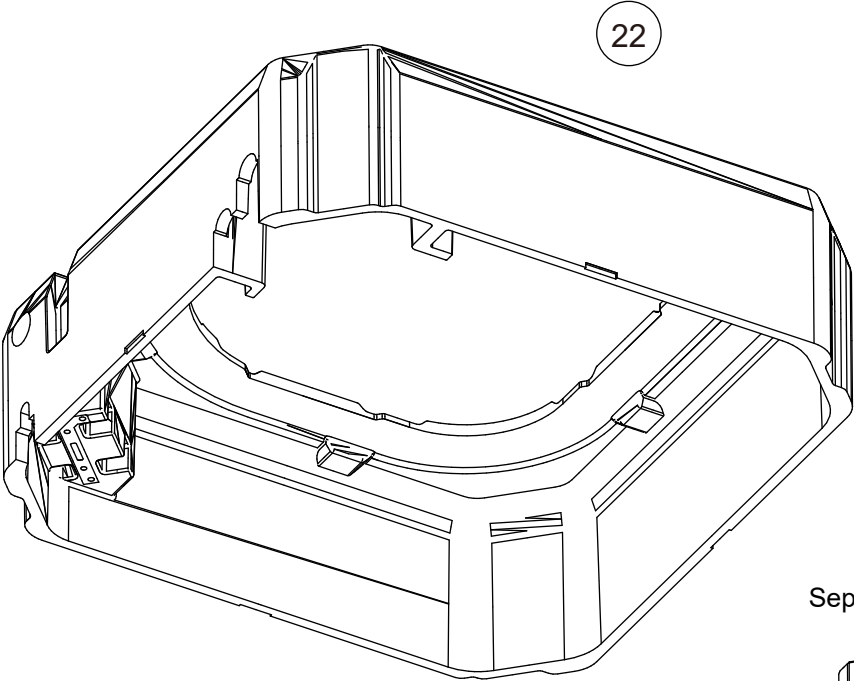


INDOOR UNIT CASSETTE AUHG22LVLA

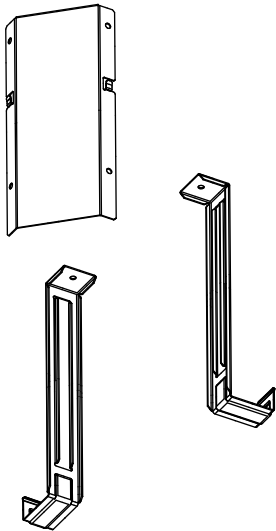


Ref.	Description	Part number
11	Wire Cover	9375516017
12	Pipe Cover	9375515010
13	Bellmouth	9375503017
14	Thermistor Holder	9375477011
15	Drain Pan Sub Assy	9377765017
16	Drain Port Sub Assy	9375718015
17	Float Switch Sub Assy	9375721039
18	Drain Pump Sub Assy	9375717025

INDOOR UNIT
CASSETTE
AUHG22LVLA



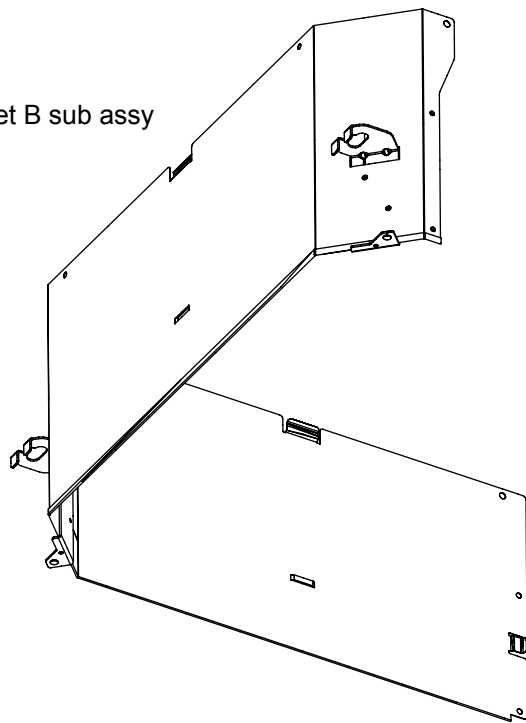
Separate wall



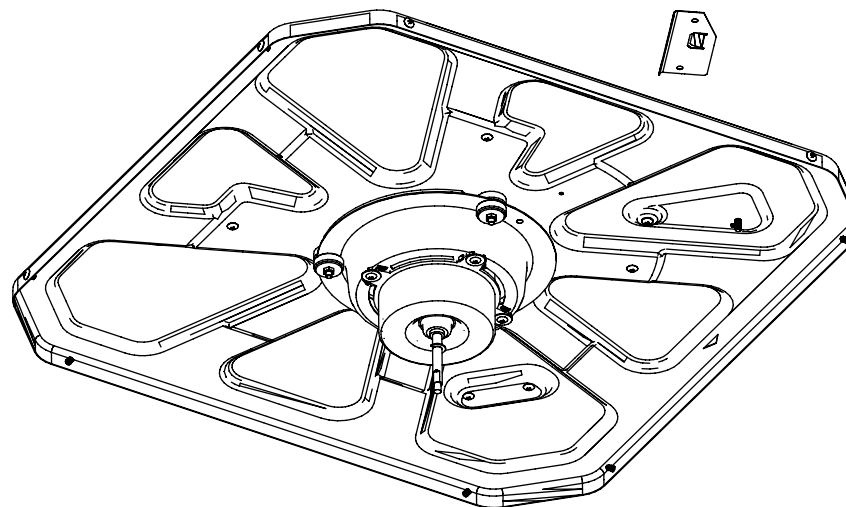
Ref.	Description	Part number	
21	Evaporator Sub Assy	9375720261	
22	Insulation Box Sub Assy	9377764058	

INDOOR UNIT CASSETTE AUHG22LVLA

Cabinet B sub assy

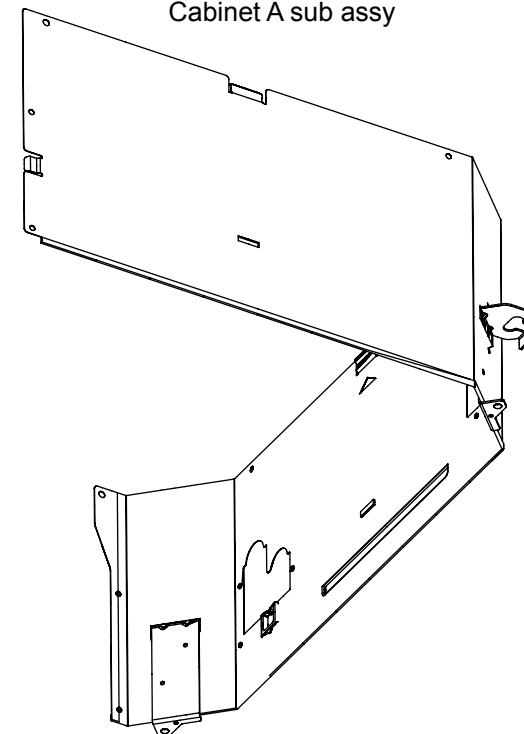


Top plate assy

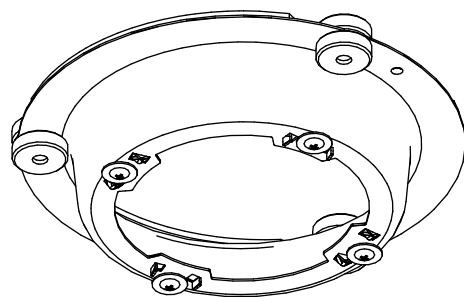


Motor wire holder

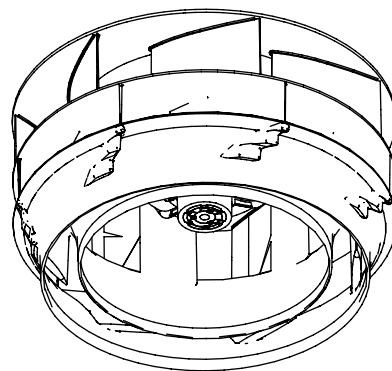
Cabinet A sub assy



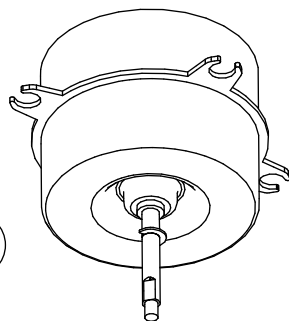
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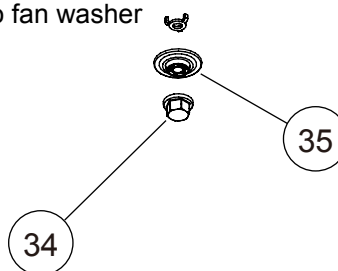
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32

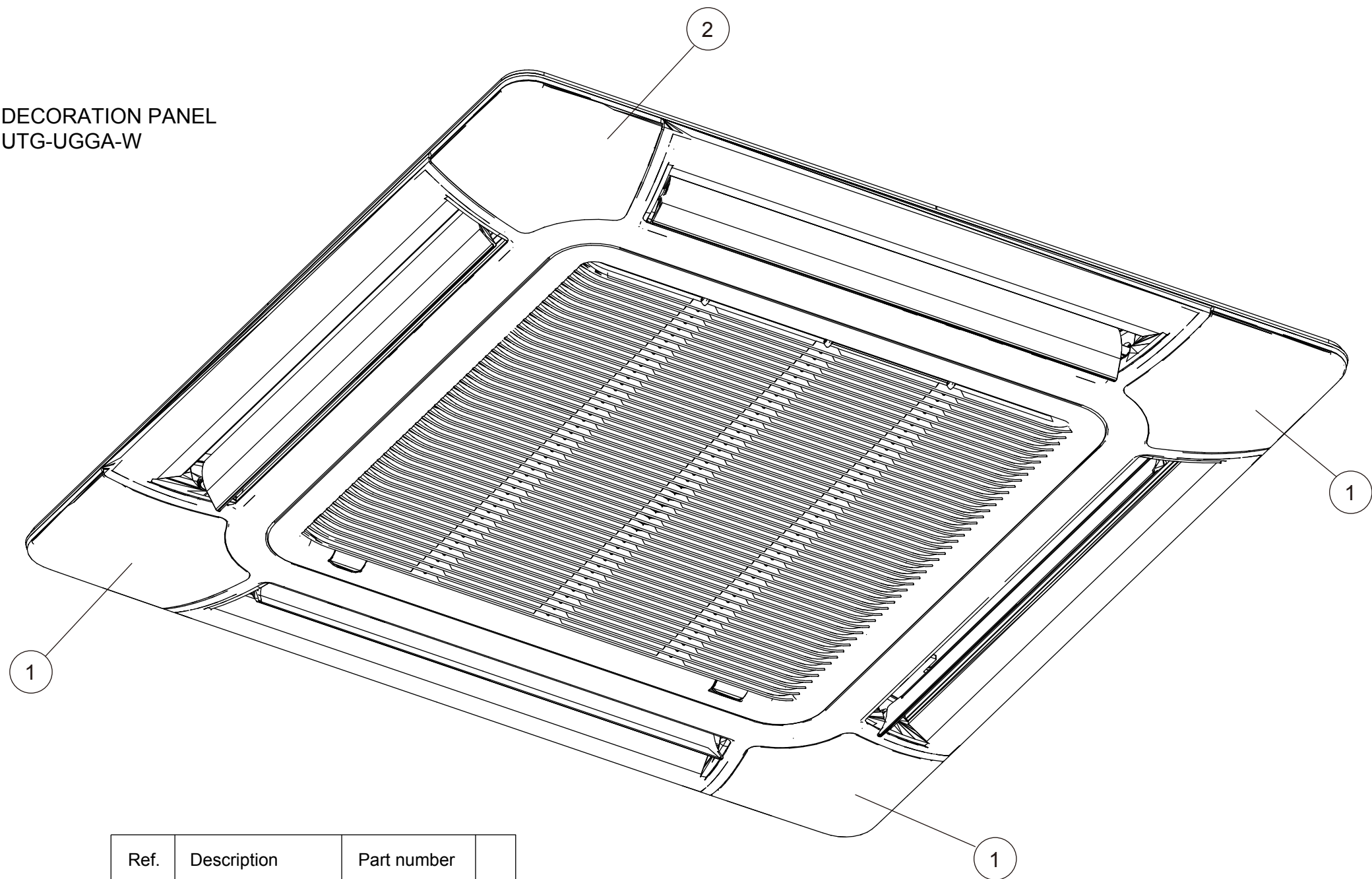


Turbo fan washer

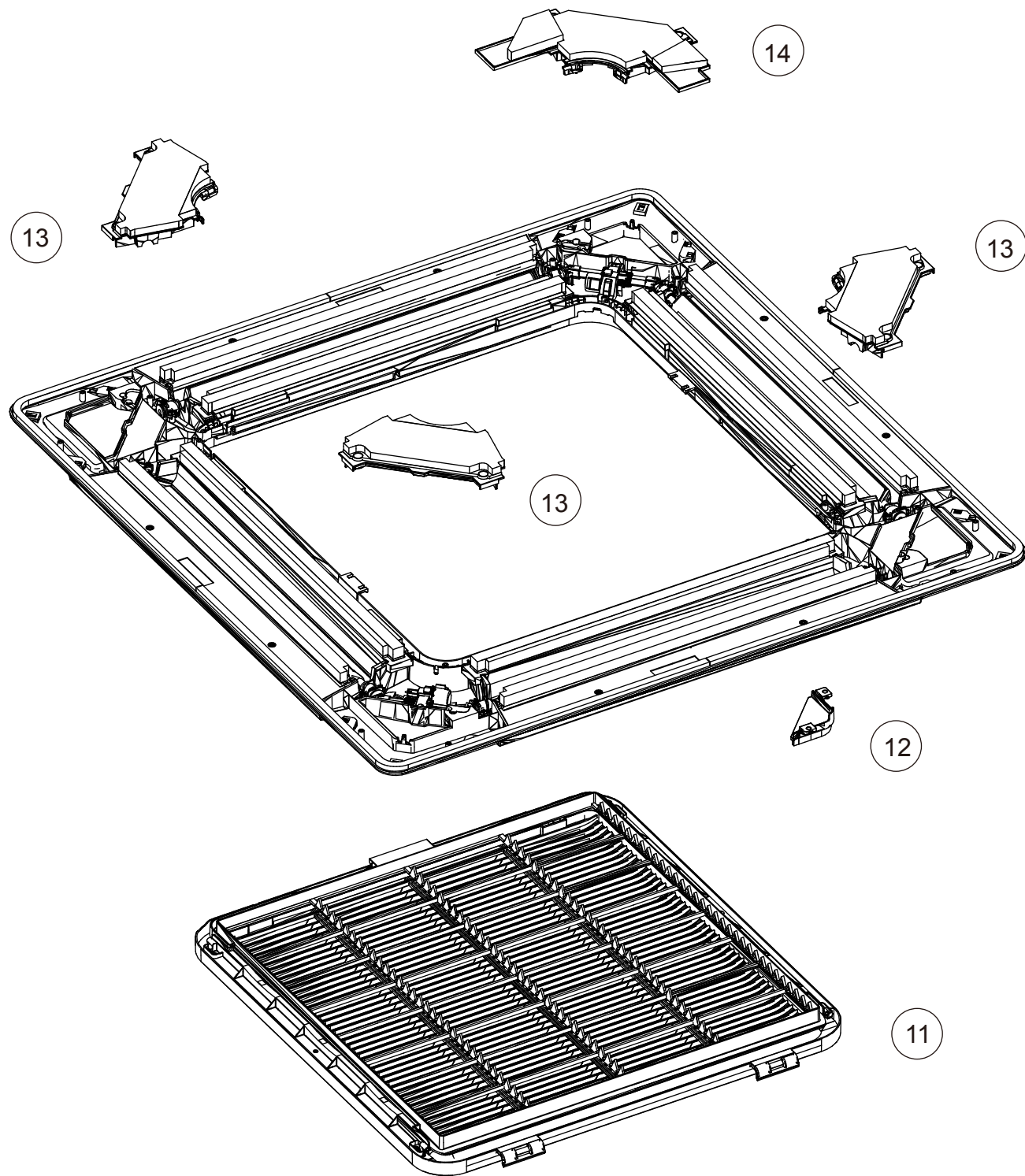


Ref.	Description	Part number
31	Fan Motor Sub Assy	9375719012
32	Fan Motor	9602436019
33	2 Stage Turbo Fan Assy	9375480011
34	Shaft Cap	9377807014
35	Washer Cover	9377811011

DECORATION PANEL
UTG-UGGA-W



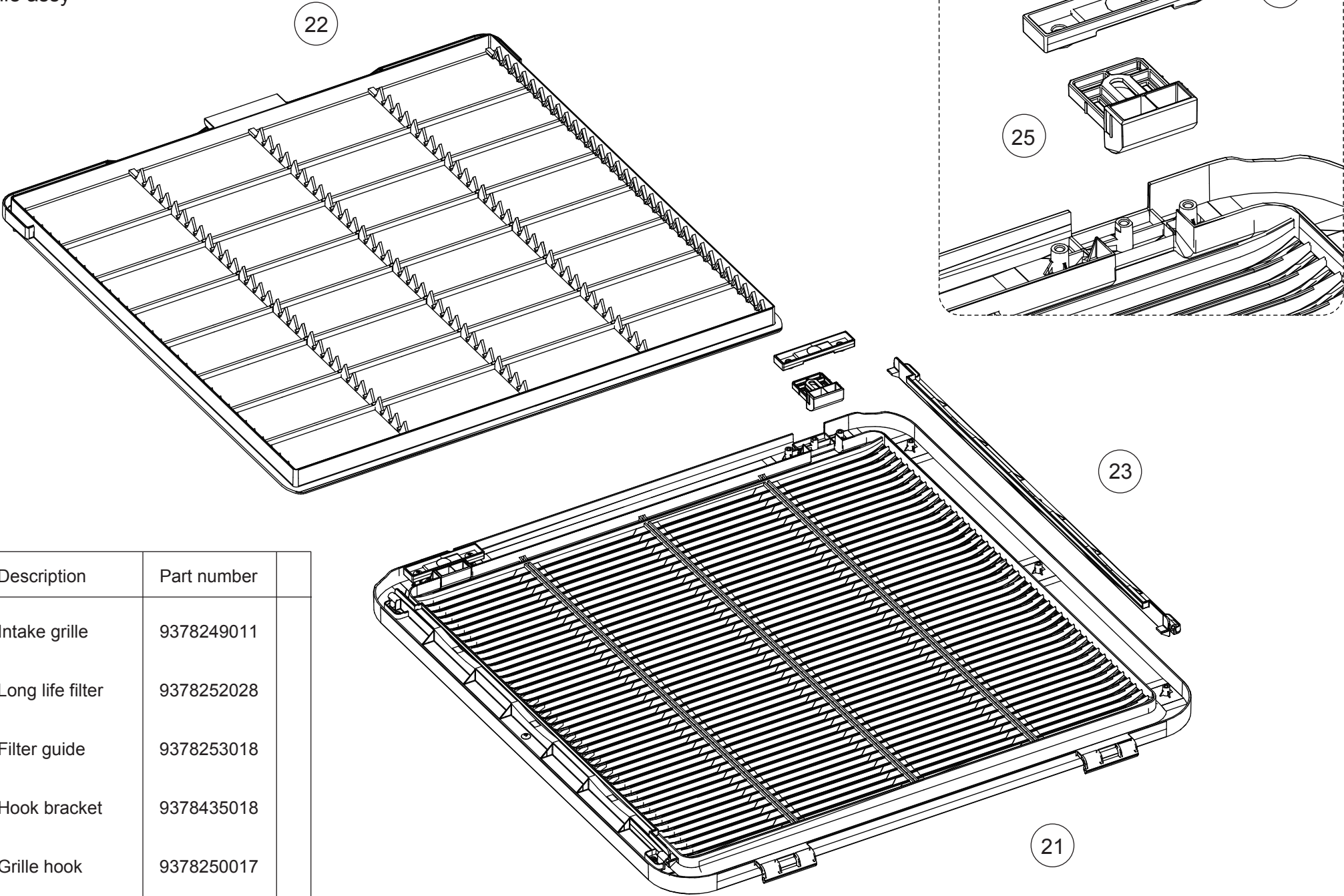
Ref.	Description	Part number	
1	Corner panel A	9378243019	
2	Corner panel A	9378243033	



DECORATION PANEL UTG-UGGA-W

Ref.	Description	Part number	
11	Intake grille assy	9378565012	
12	Drain cover	9378359017	
13	Panel cover A	9378261013	
14	Panel cover B	9378262010	

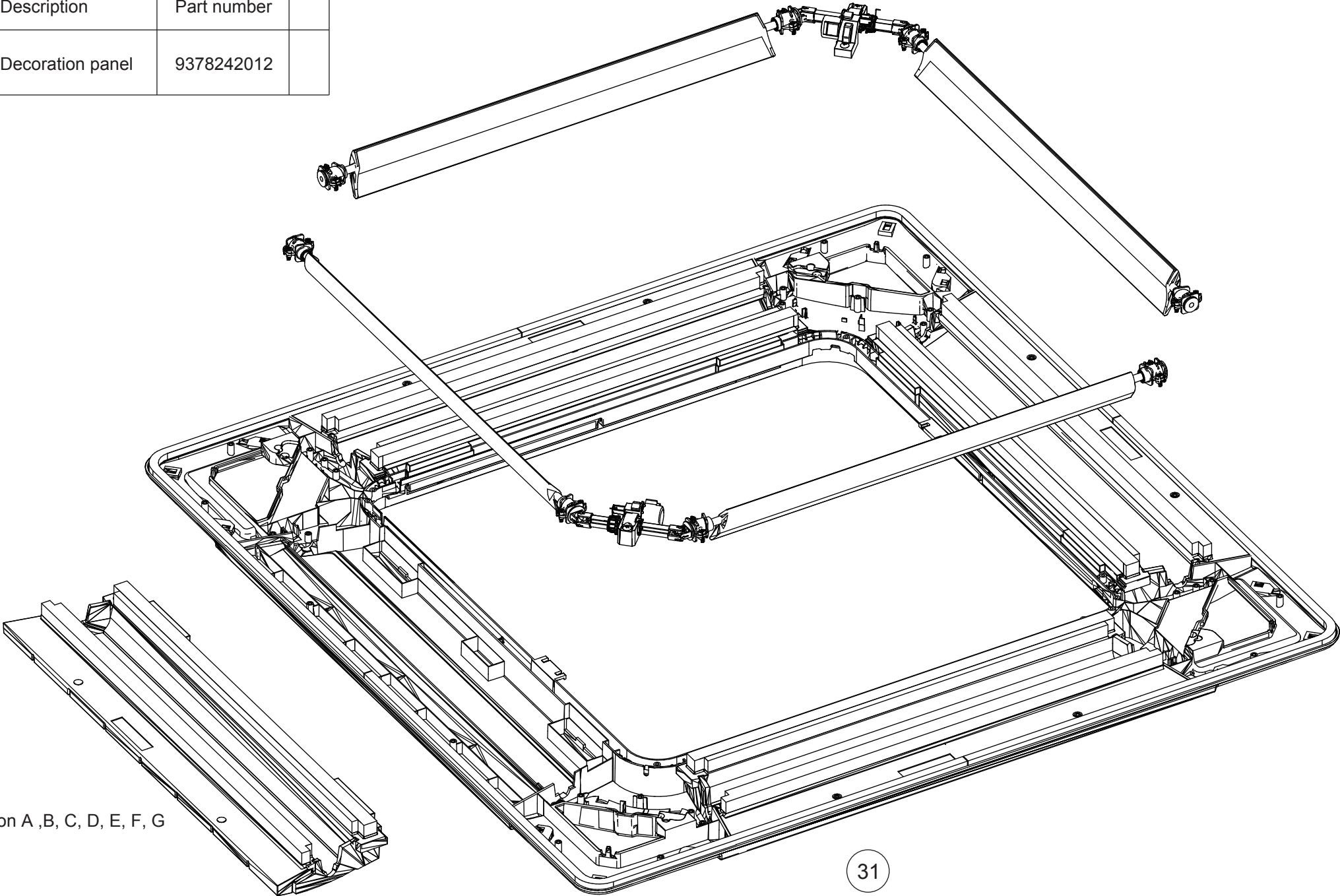
DECORATION PANEL
UTG-UGGA-W
Intake grille assy



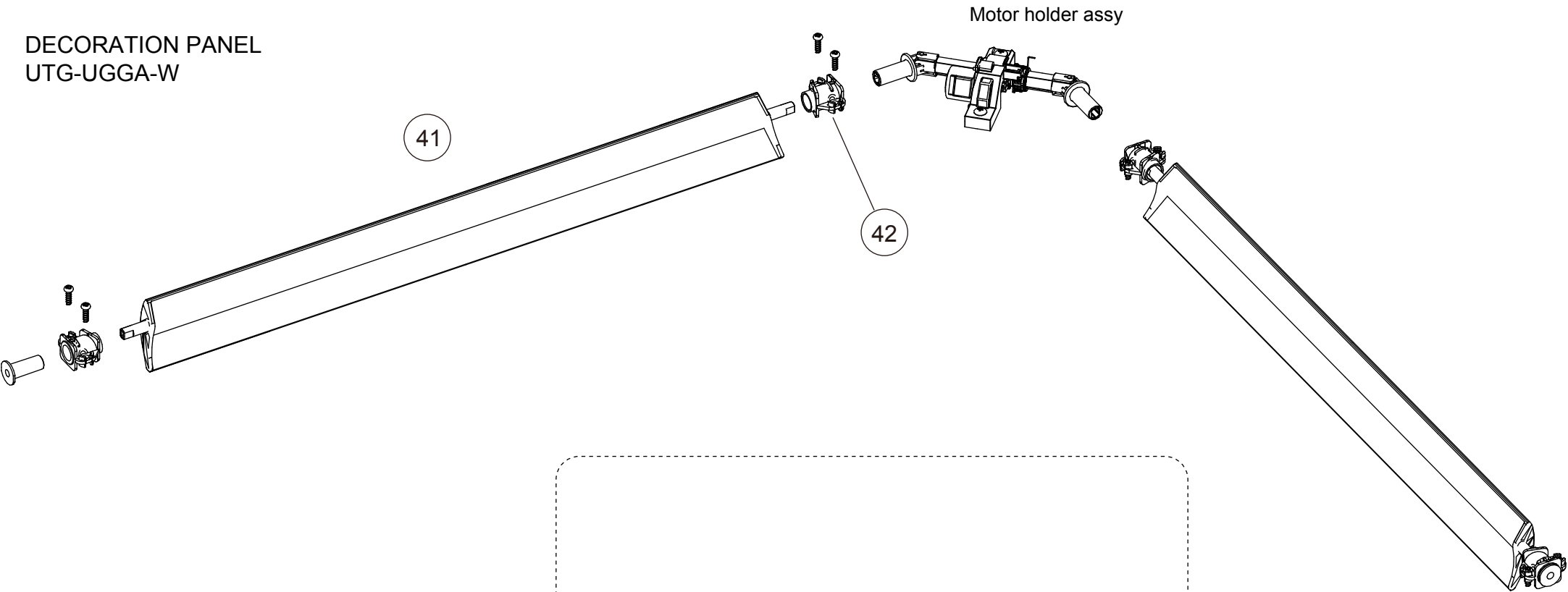
Ref.	Description	Part number	
21	Intake grille	9378249011	
22	Long life filter	9378252028	
23	Filter guide	9378253018	
24	Hook bracket	9378435018	
25	Grille hook	9378250017	

DECORATION PANEL
UTG-UGGA-W

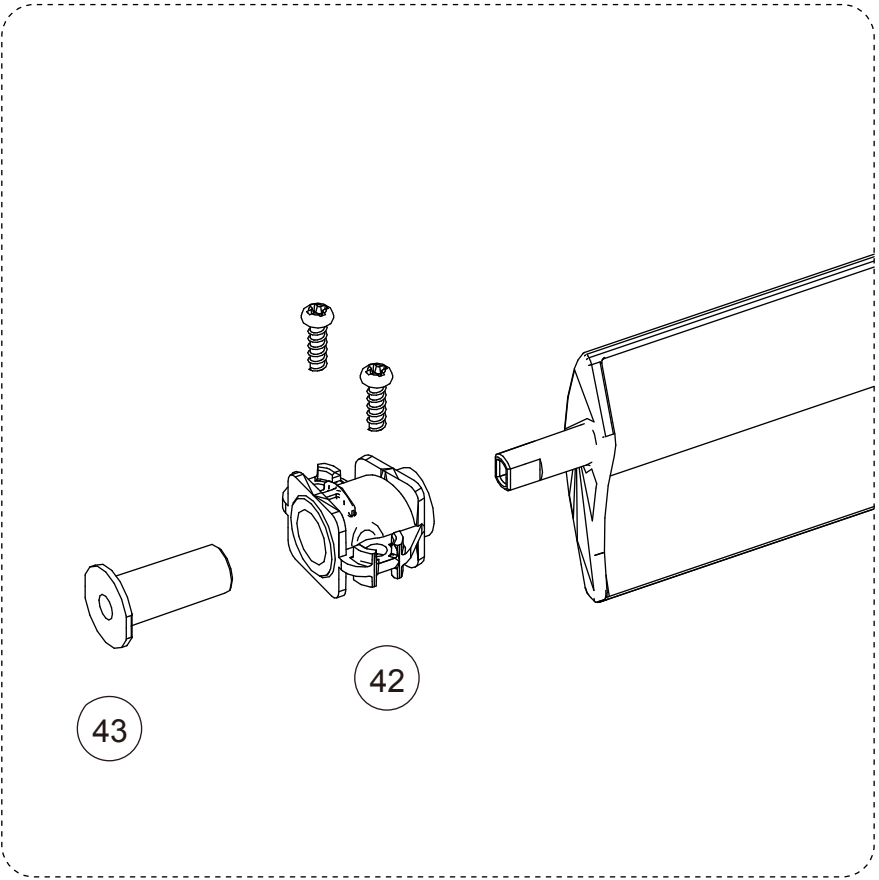
Ref.	Description	Part number	
31	Decoration panel	9378242012	



DECORATION PANEL
UTG-UGGA-W

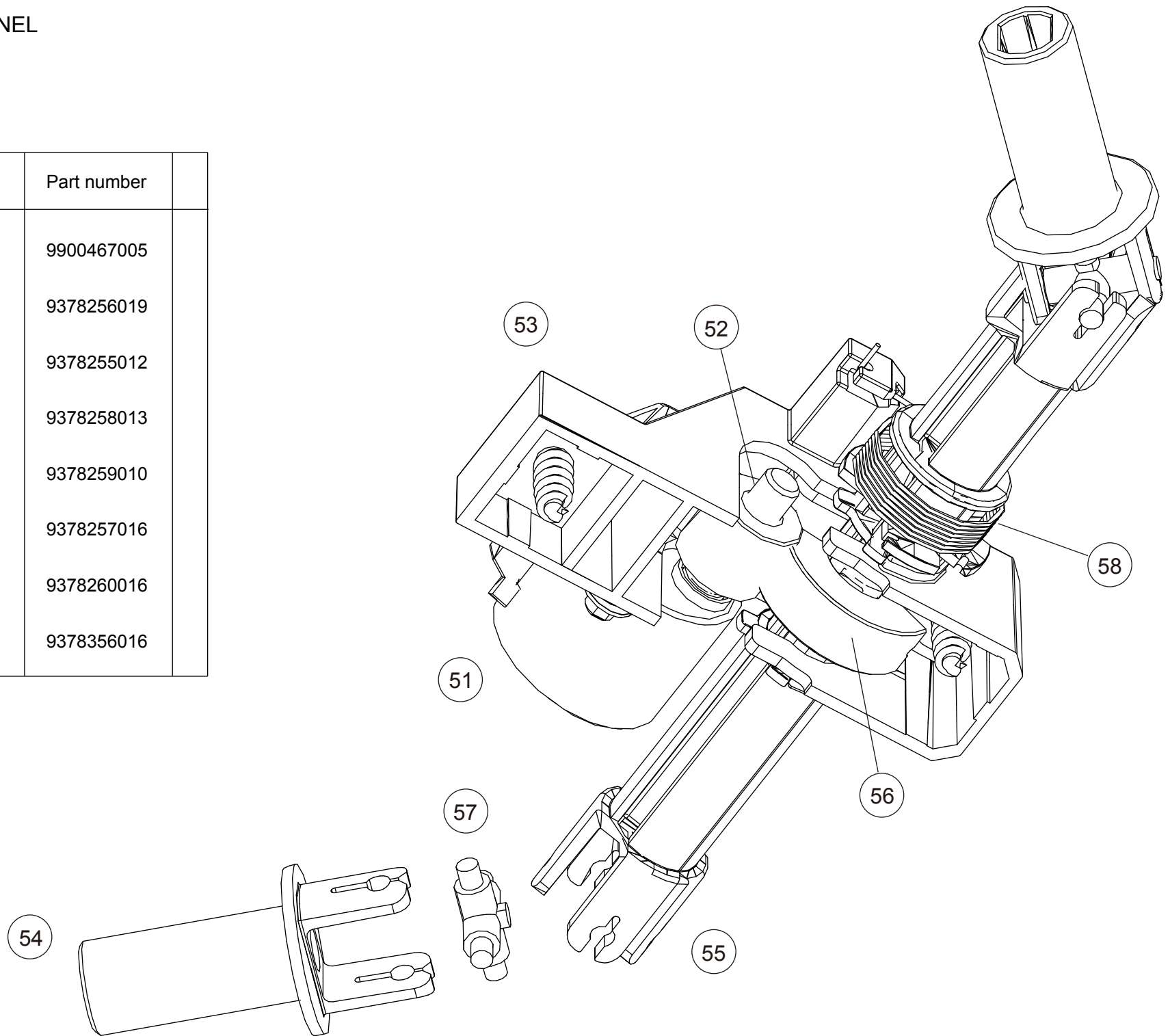


Ref.	Description	Part number	
41	Flap	9378254015	
42	Poli Slider	9375541019	
43	Joint C	9378357013	



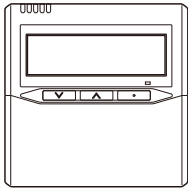
DECORATION PANEL
UTG-UGGA-W
Motor holder assy

Ref.	Description	Part number
51	Step motor	9900467005
52	Gear A	9378256019
53	Motor Holder	9378255012
54	Joint A	9378258013
55	Joint B	9378259010
56	Gear B	9378257016
57	Joint Shaft	9378260016
58	Flap Spring	9378356016

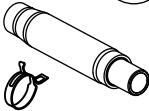


INDOOR UNIT
CASSETTE
AUHG30LRLE
AUHG45LRLA

Hook L
Cabinet window



1



2

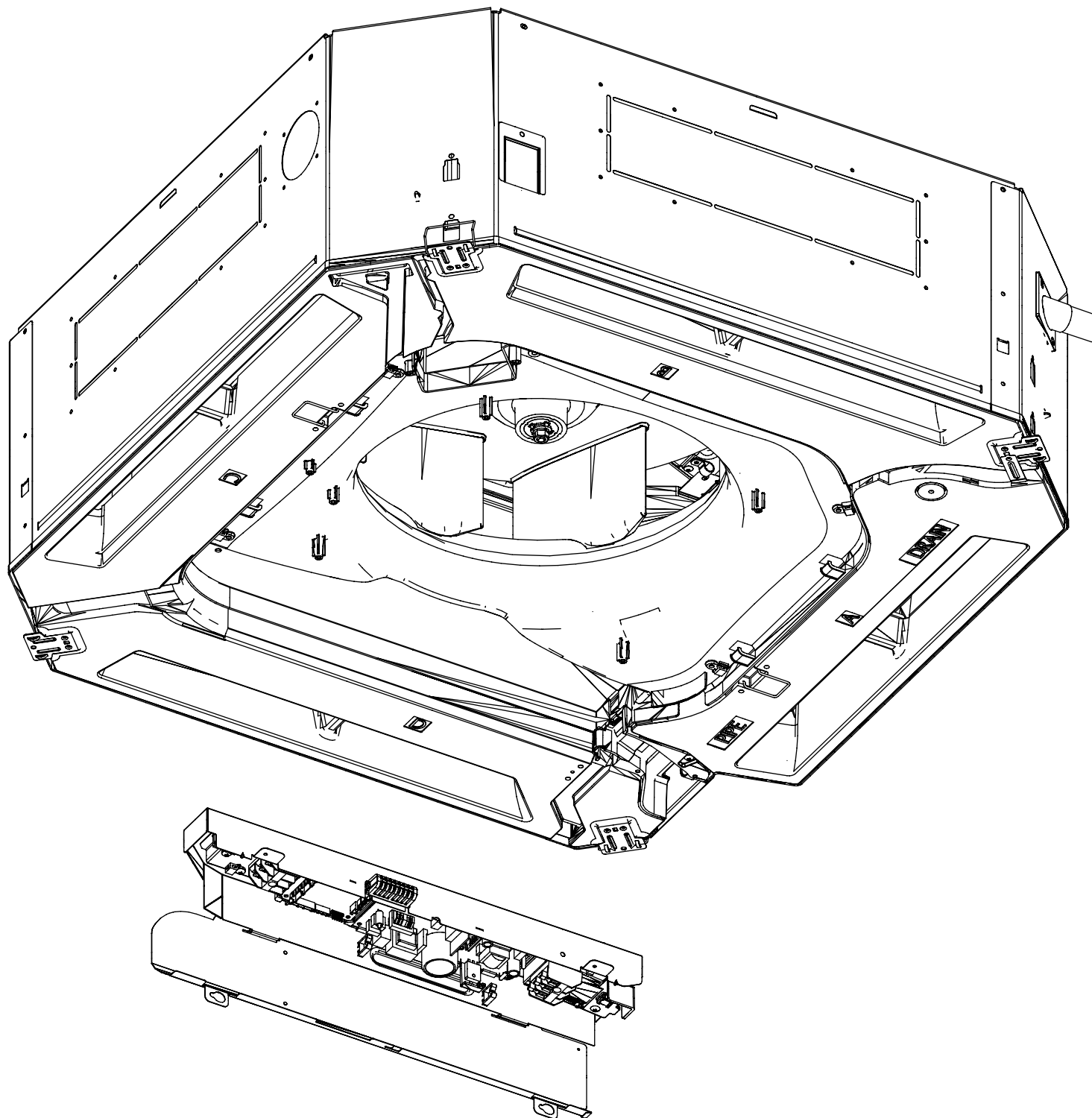
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Hook R

Wire holder

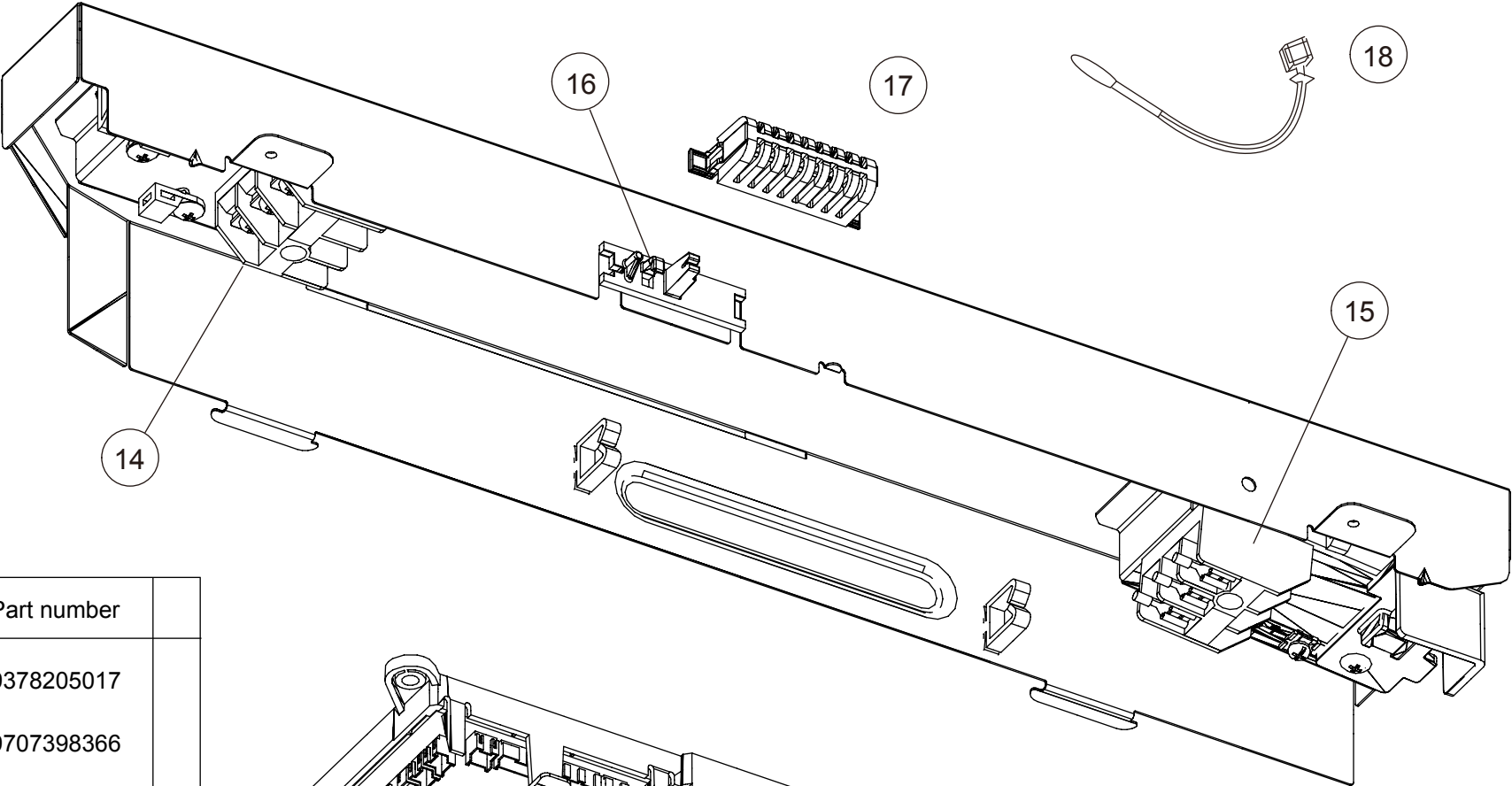
Wire cover

Ref.	Description	Part number	
1	Remote control (No brand)	9318593013	
2	Drain Hose	9379665001	
3	Hose Band	9379757010	

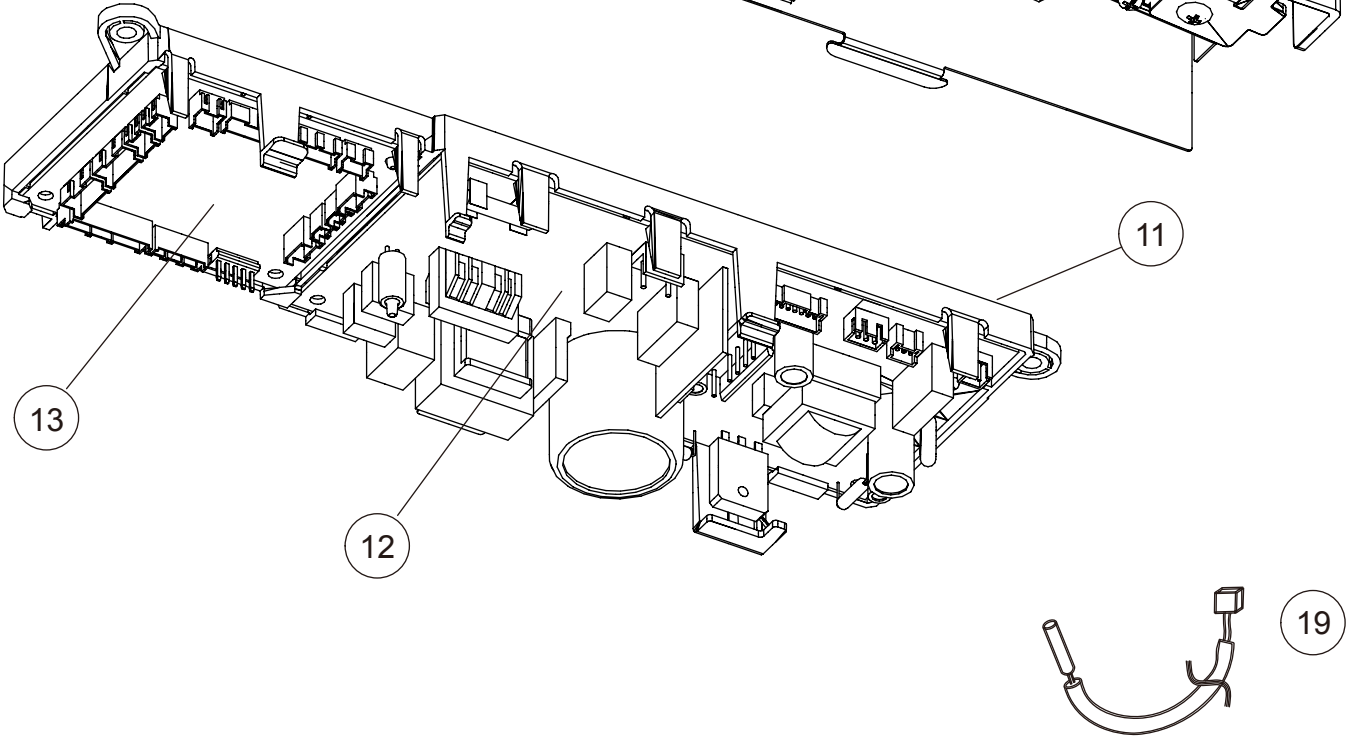


INDOOR UNIT
CASSETTE
AUHG30LRLE
AUHG45LRLE

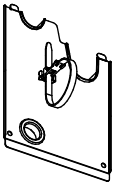
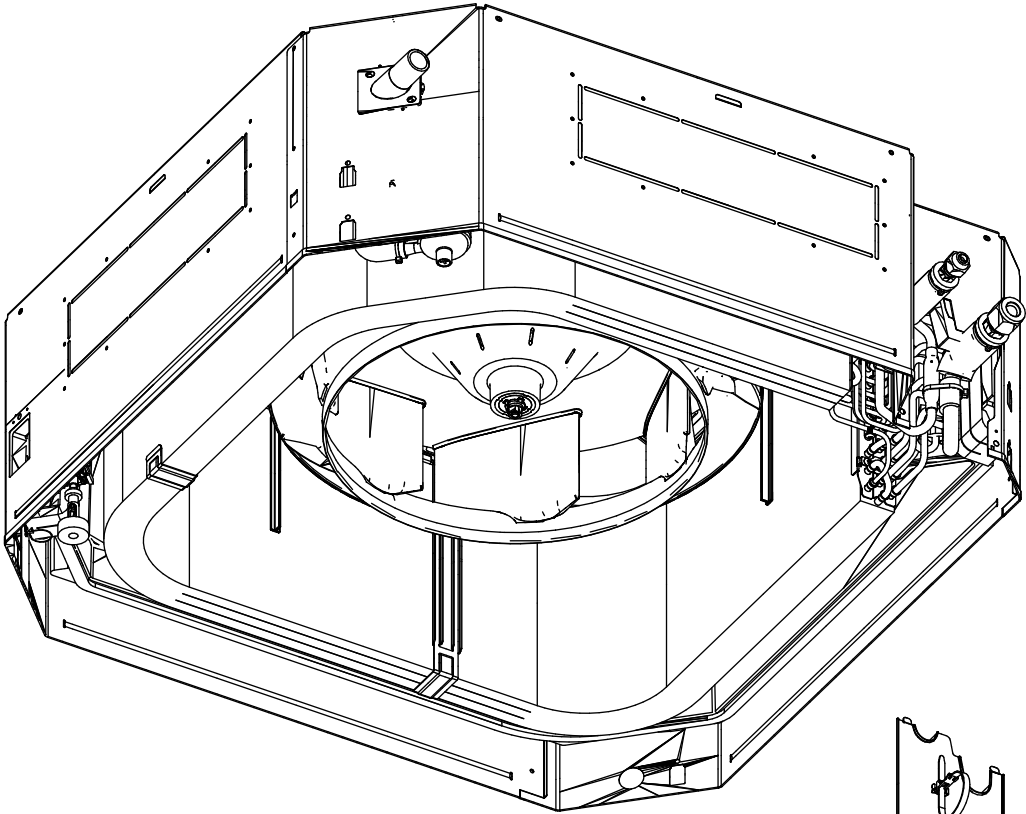
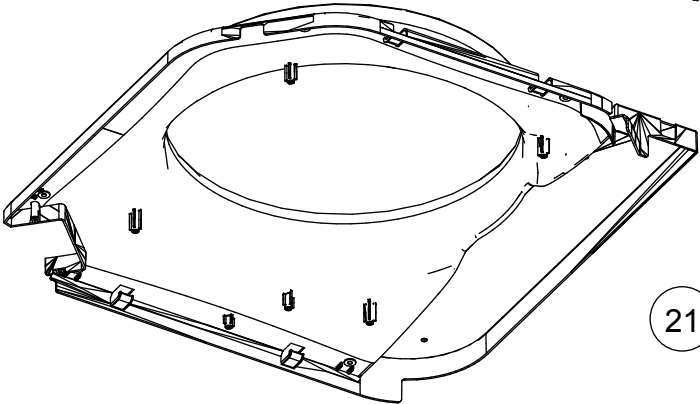
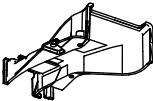
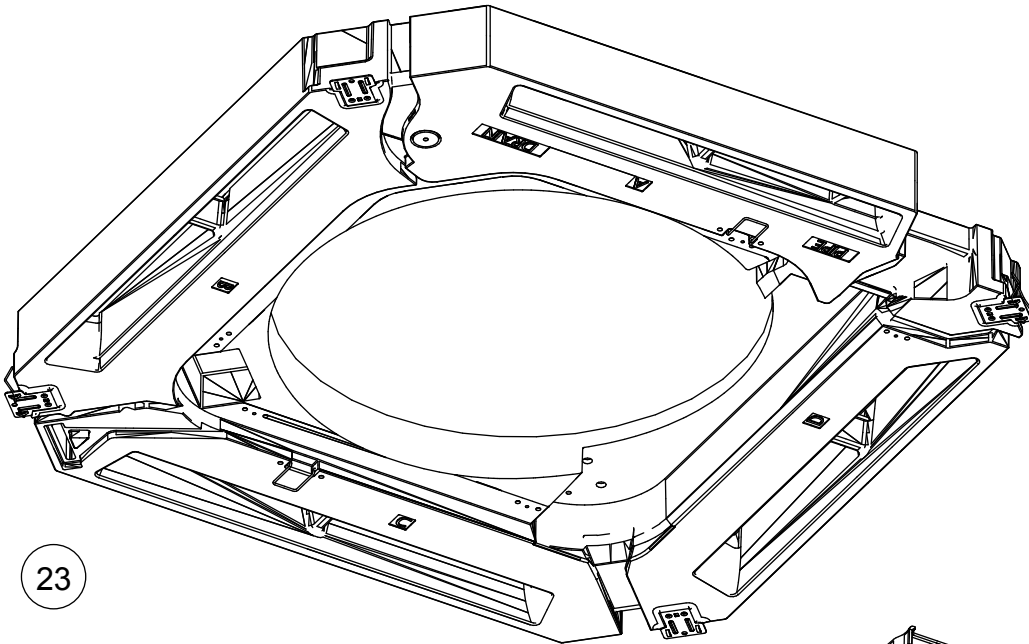
INDOOR UNIT
CASSETTE
AUHG30LRLE
AUHG45LRLA



Ref.	Description	Part number	
11	PCB Holder	9378205017	
12	Power Supply PCB	9707398366	
13	Main PCB (AUHG30)	9710621130	
13	Main PCB (AUHG45)	9710621376	
14	Terminal 3P	9306489045	
15	Terminal 3P	9703345012	
16	Thermistor Holder A	9378206014	
17	Thermistor Holder B	9378330016	
18	Room Thermistor	9900822002	
19	Pipe Thermistor	9900941017	



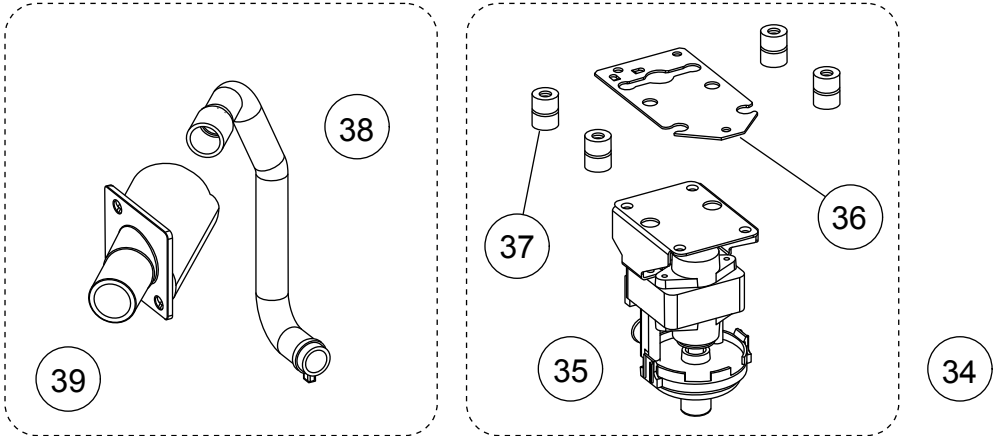
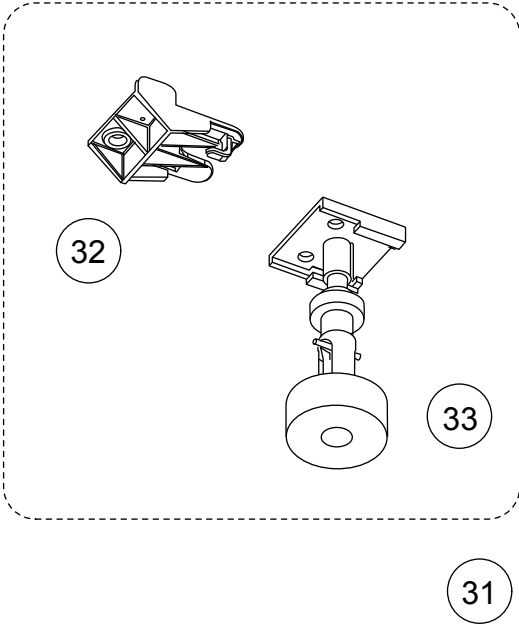
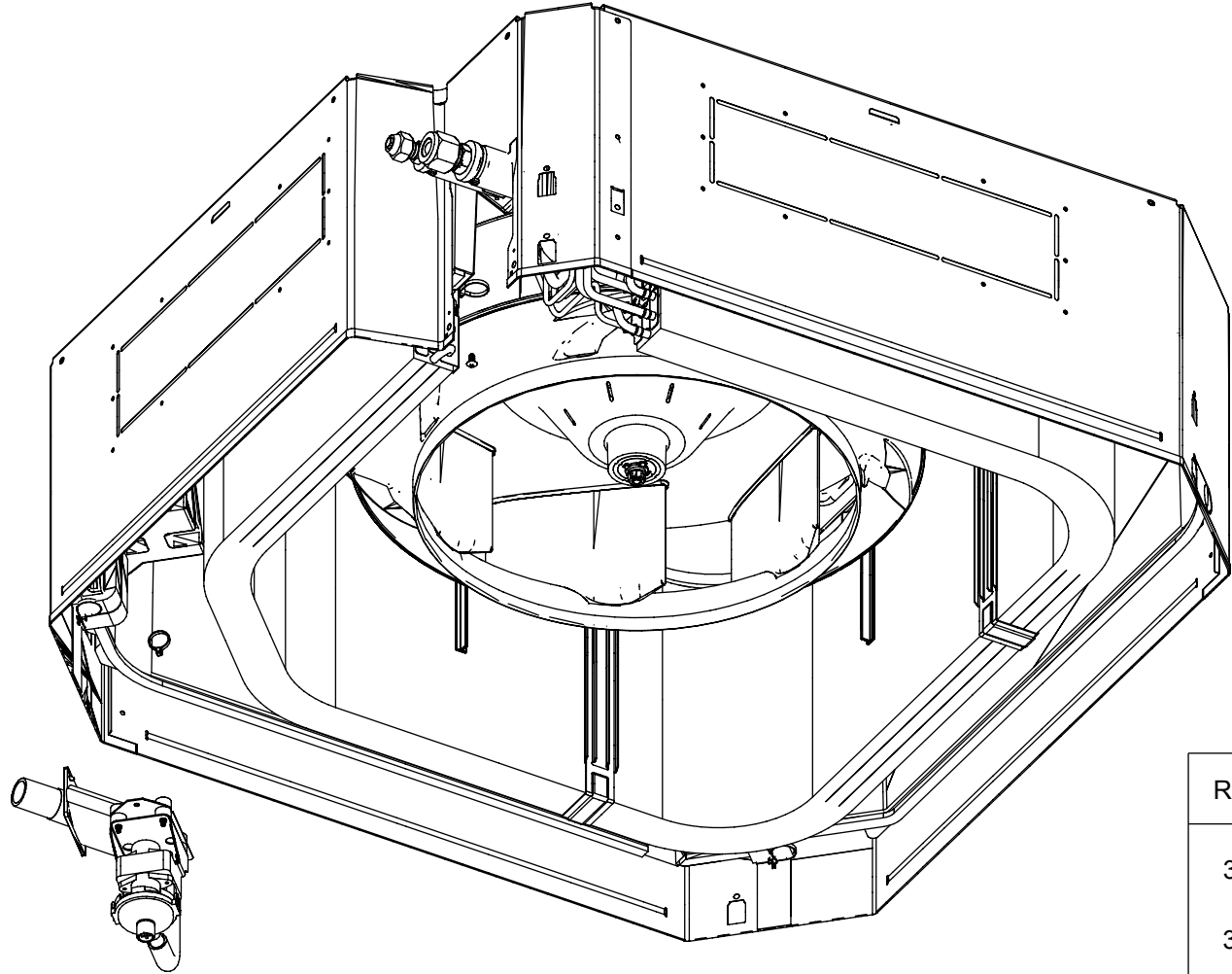
INDOOR UNIT
CASSETTE
AUHG30LRLE
AUHG45LRLA



Pipe cover

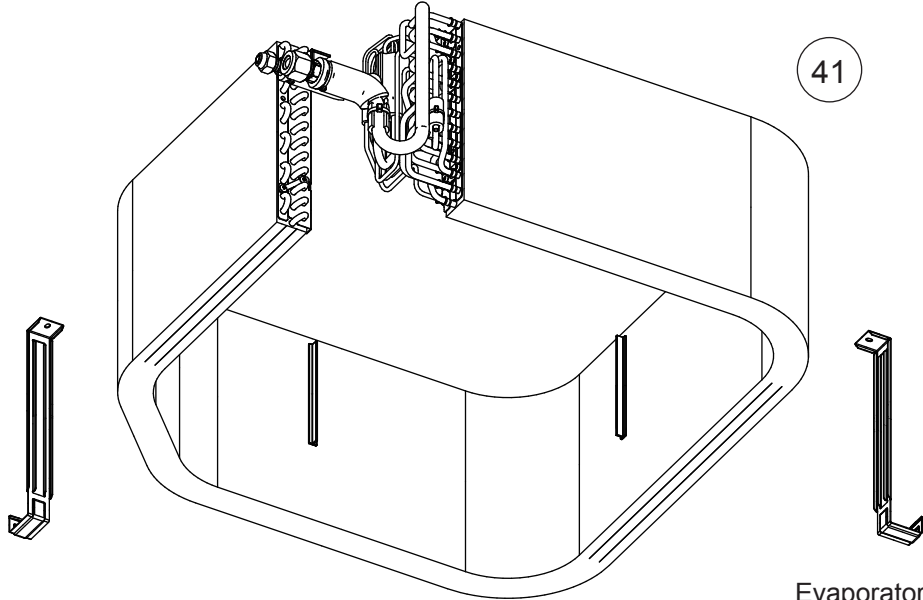
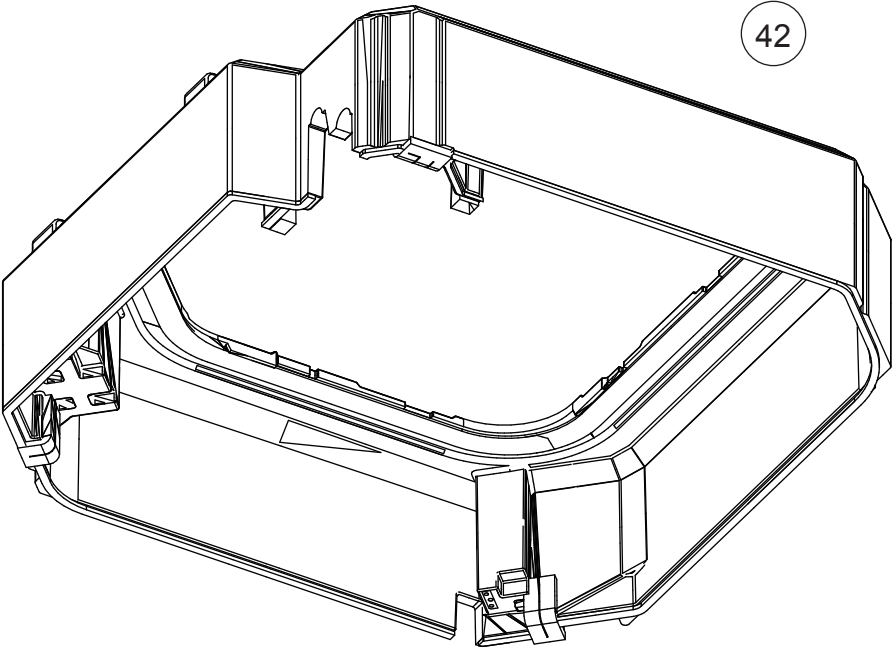
Ref.	Description	Part number	
21	Bell Mouth	9378227019	
22	Terminal wire cover	9378548015	
23	Drain pan sub assy	9378583016	

INDOOR UNIT
CASSETTE
AUHG30LRLE
AUHG45LRLA

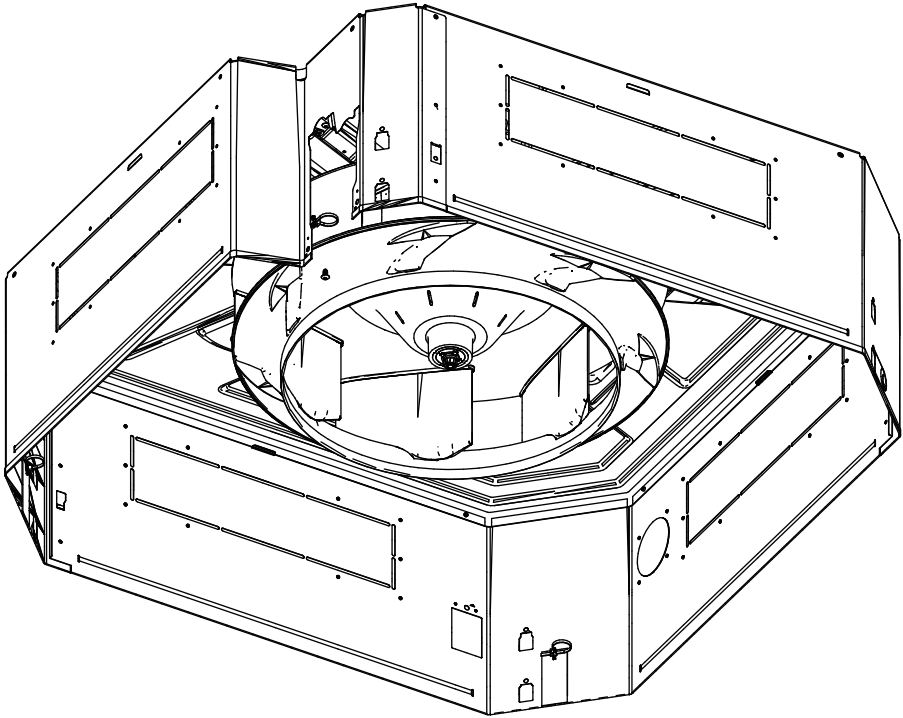


Ref.	Description	Part number	
31	Float Switch Sub Assy	9378593015	
32	Sensor Holder	9378329010	
33	Float Switch	9900465018	
34	Drain Pump Sub Assy	9378592018	
35	Pump Assy	9900464011	
36	Drain Pump Holder B	9375518011	
37	Pump Rubber	9378426016	
38	Drain Hose	9378212015	
39	Drain Port	9378213012	

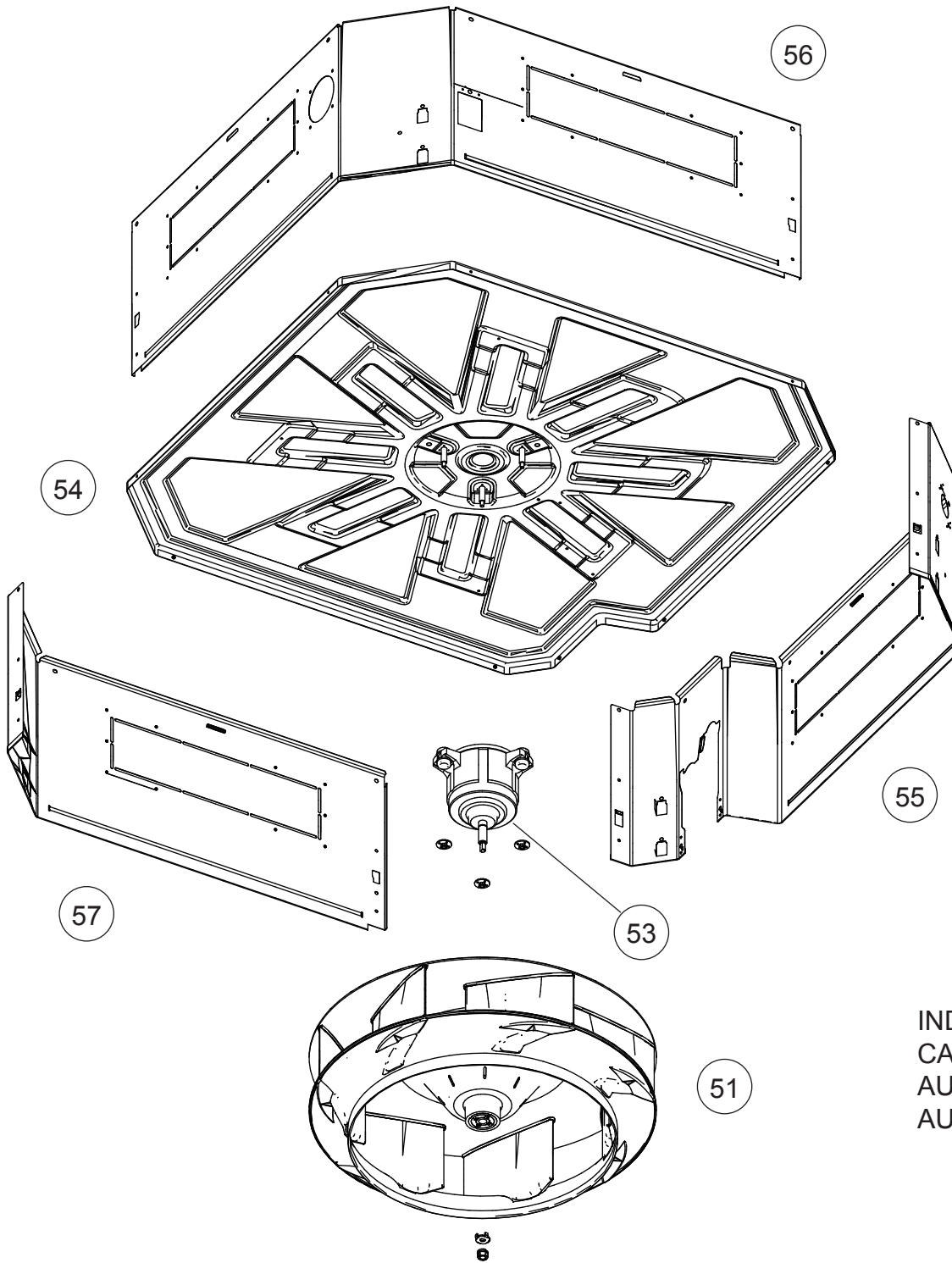
INDOOR UNIT
CASSETTE
AUHG30LRLE
AUHG45LRLA



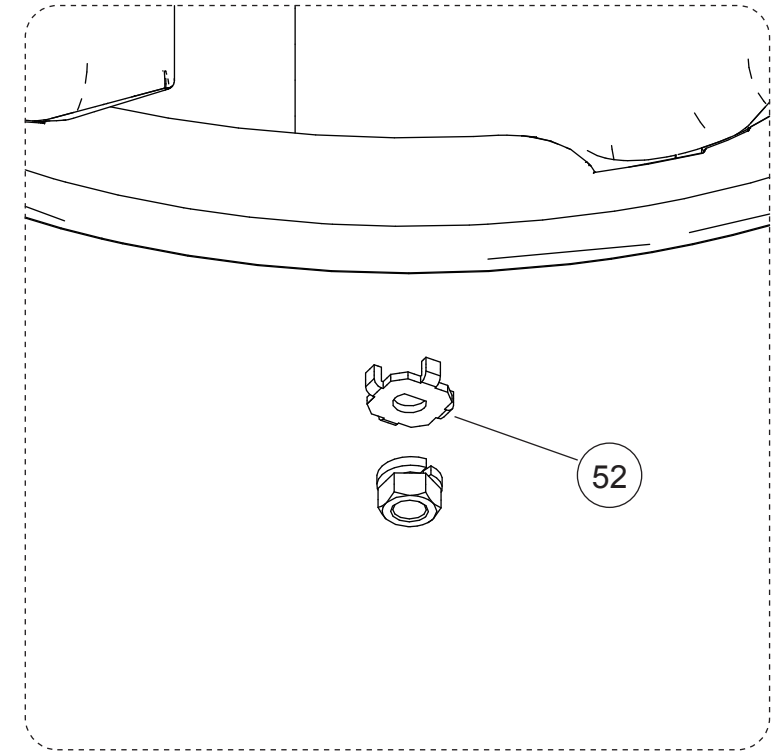
Evaporator holder



Ref.	Description	Part number	
41	Evaporator Total Assy (AUHG30LRLE)	9378580015	
41	Evaporator Total Assy (AUHG45LRLA)	9378580053	
42	Insulation Box Sub Assy (AUHG30LRLE)	9378582019	
42	Insulation Box Sub Assy (AUHG45LRLA)	9378582026	



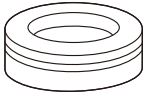
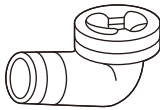
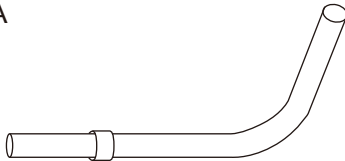
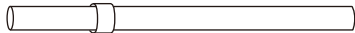
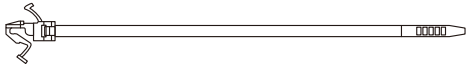

INDOOR UNIT
CASSETTE
AUHG30LRLE
AUHG45LRLA



Ref.	Description	Part number	
51	Turbo Fan Assy	9378228016	
52	Turbo Fan Washer	9378394018	
53	Motor, DC Brushless	9603373009	
54	Top Plate Assy	9378395015	
55	Cabinet A Sub Assy	9378594012	
56	Cabinet B Sub Assy	9378595019	
57	Cabinet C Sub Assy	9378570016	

ACCESSORIES

OUTDOOR UNIT
AOHG90LRLA

Name and shape	Q'ty	Description
Drain cap 	9	For outdoor unit drain piping work
Drain pipe 	1	For outdoor unit drain piping work
Joint pipe A 	1	For connecting gas pipe (L type)
Joint pipe B 	1	For connecting gas pipe (Straight type)
Push mount cable tie 	2	For binding connection cable
Grommet edging 	2	For power supply cable and connection cable installation. Attach to the knockout hole.

INDOOR UNIT
CEILING
ABHG22LVTA

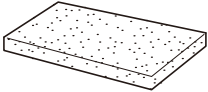






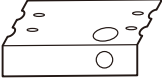


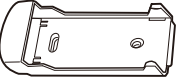


Name and Shape	Q'ty
Cover plate (Left) 	1
Cover plate (Right) 	1
Screw (M4 × 10mm) 	2
Installation template Positioning for under ceiling type	1
Bracket (Left) For suspending the indoor unit from ceiling	1
Bracket (Right) For suspending the indoor unit from ceiling	1

Name and Shape	Q'ty
Special nut For suspending the indoor unit from ceiling	4
Wall bracket For suspending the indoor unit on the wall	2
Screw (M4 × 20mm) For fixing the wall bracket	6
Coupler heat insulator (Large) For indoor side pipe joint(Large pipe)	1
Coupler heat insulator (Small) For indoor side pipe joint (Small pipe)	1
Binder (Large) For fixing drain hose	1

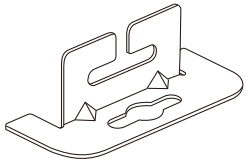
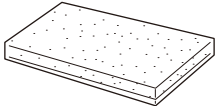



Name and Shape	Q'ty
Binder (Small) For electrical wiring	2
Wire clammer For electrical wiring	1
Drain hose 	1
Hose band For installing drain hose	1
Insulation (Drain hose) Adhesive type 100 x 220(mm)	1
VT wire For fixing drain hose L 280mm	1


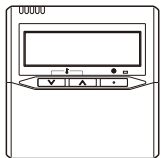
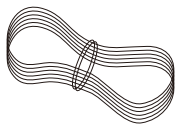

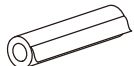
Name and Shape	Q'ty
Remote control 	1
Battery For remote control	2
Remote control holder 	1
Screw (M3 × 12mm) For remote control holder installation	2


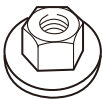

INDOOR UNIT
CEILING
ABHG30LRTE
ABHG45LRTA

Name and Shape	Q'ty	Application	Part number
Drain hose insulation 	1	Adhesive type 70 x 230	9360464002
VT wire 	1	For fixing the drain hose L 280 mm	313806350303
Coupler heat insulator (large) 	2	For indoor side pipe joint (gas pipe)	9378173569
Coupler heat insulator (small) 	1	For indoor side pipe joint (liquid pipe)	9378173521
Cable tie 	Large 4	For fixing the coupler heat insulator	9301501001
	Small 4		312300787605
Special nut A (large flange) 	4	For installing indoor unit	313005446653
Special nut B (small flange) 	4	For installing indoor unit	313005446759
Installation template 	1	For positioning the indoor unit	9360022004
Auxiliary pipe assembly 	1	For connecting the piping	9374714025
Remote control 	1	For air conditioner operation	9379219037
Remote control holder 	1	For installing remote control on the wall	9305642045
Battery 	2	For remote control	0600185541
Tapping screw 	2	For mounting the remote control holder	0700019036





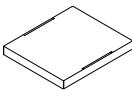
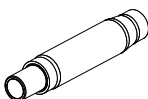

INDOOR UNIT
DUCT
ARHG22LMLA
ARHG30LMLE
ARHG45LMLA

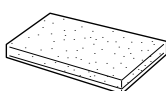

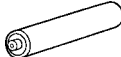



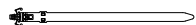
Name and Shape	Q'ty
<p>Hanger</p>  <p>For suspending the indoor unit from ceiling</p>	4
<p>Drain hose insulation</p>  <p>Insulates the drain hose and vinyl hose</p>	1
<p>Cable tie (Large)</p>  <p>For fixing drain hose</p>	1
<p>Cable tie (Small)</p>  <p>For remote control and remote control cable binding</p>	1
<p>Cable tie</p>  <p>For electrical wiring</p>	2

Name and Shape	Q'ty
<p>Wire clammer</p>  <p>For electrical wiring</p>	1
<p>Remote control</p>  <p>For air conditioner operation</p>	1
<p>Remote control cable</p>  <p>For connecting the remote control</p>	1
<p>Screw (M4 × 16)</p>  <p>For installing the remote control</p>	2
<p>Coupler heat insulation (Large)</p>  <p>For indoor side pipe joint (gas)</p>	1

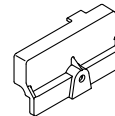



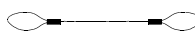


Name and Shape	Q'ty
<p>Coupler heat insulation (Small)</p>  <p>For indoor side pipe joint (liquid)</p>	1
<p>Special nut A (Large flange)</p>  <p>For suspending the indoor unit from ceiling</p>	4
<p>Special nut B (Small flange)</p>  <p>For suspending the indoor unit from ceiling</p>	4

**INDOOR UNIT
CASSETTE
AUHG22LVLA**



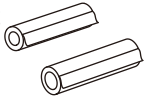
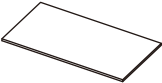
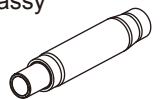

Name and Shape	Q'ty
Coupler heat insulation (Large)  For indoor side pipe joint (gas pipe)	1
Coupler heat insulation (Small)  For indoor side pipe joint (liquid pipe)	1
Special nut A (Large flange)  For installing indoor unit	4
Special nut B (Small flange)  For installing indoor unit	4
Template (Carton top)  For ceiling openings cutting Also used as packing	1
Drain hose  For installing drain pipe	1
Hose Band  For installing drain hose	1







Name and Shape	Q'ty
Drain hose insulation  For installing drain pipe	1
Remote control  1	1
Battery  2	2
Remote control holder  1	1
Tapping screw (M3 × 12mm)  Mounting the remote control holder	2
Cable tie  For electrical wiring	2
Wire clasper  For electrical wiring	1

**DECORATION PANEL
UTG-UFGD-W**


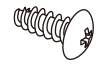


Name and Shape	Q'ty
Connector cover  For covering connector	1
Tapping Screw (M5 × 12 mm)  Mounting decoration panel	4
Tapping Screw (M4 × 12 mm)  Mounting connector cover	1
L angle  Mounting the Hook Wire to the decoration panel	2
Hook wire  Suspending the decoration panel	2
Screw [pitch small] (M4 × 10 mm)  Mounting the Hook wire (for metals)	2
Screw [pitch large] (M4 × 10 mm)  Mounting the L angle and Hook wire (for resins)	4

INDOOR UNIT
CASSETTE
AUHG30LRLE
AUHG45LRLA

Name and Shape	Q'ty	Application
Template (Carton top) 	1	For installing indoor unit
Washer 	8	For installing indoor unit
Coupler heat insulation 	2	For indoor side pipe joint
Insulation 	1	For installing drain pipe
Drain hose assy 	1	For installing drain pipe
Hose band assy 	1	For installing drain pipe

Name and Shape	Q'ty	Application
Drain pipe insulation 	1	For installing drain pipe
Binder (Large) 	3	For electrical wiring
Binder (Small) 	1	For electrical wiring
Wired remote control 	1	
Remote Control Cord 	1	For connecting remote control
Tapping screw (φ4 x 16) 	2	For installing remote control

DECORATION PANEL
UTG-UGGA-W

Name and Shape	Q'ty	Application
Hexagon Screw 	4	For mounting decoration panel
Screw 	4	For installing grille holding wire
Strap 	4	For installing corner panel
Grille holding wire 	2	For installing intake grille

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