

# SERVICE MANUAL

## HIGH POWER MULTI AIR CONDITIONER

### WALL MOUNTED type CASSETTE type

| Models | Indoor unit | Outdoor unit |
|--------|-------------|--------------|
|        | ASY12RMACW  | AOY20RMBM2   |
|        | ASY7RMACW   |              |
|        | AUY12RMA    | AOY20RMBM2   |
|        | ASY7RMACW   |              |
|        | ASY12RMACW  | AOY24RMAM2   |
|        | ASY12RMACW  |              |
|        | AUY12RMA    | AOY24RMAM2   |
|        | AUY12RMA    |              |
|        |             |              |
|        | ASH12RMACW  | AOH20RMBM2   |
|        | ASH7RMACW   |              |
|        | AUG12RMA    | AOH20RMBM2   |
|        | ASH7RMACW   |              |
|        | ASH12RMACW  | AOH24RMAM2   |
|        | ASH12RMACW  |              |
|        | AUG12RMA    | AOH24RMAM2   |
|        | AUG12RMA    |              |

## C O N T E N T S

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# S P E C I F I C A T I O N S

|                       |             |             |                 |
|-----------------------|-------------|-------------|-----------------|
| TYPE                  | COOL & HEAT |             |                 |
| INDOOR UNIT           | AS□12RMACW  | AS□7RMACW   | UNIT A & UNIT B |
| OUTDOOR UNIT          | AO□20RMBM2  |             |                 |
| OPERATION             | UNIT A      | UNIT B      | 2 UNITS         |
| COOLING CAPACITY (kW) | 3.45 - 3.45 | 2.25 - 2.25 | 5.70 - 5.70     |
| HEATING CAPACITY (kW) | 4.10 - 4.10 | 2.80 - 2.80 | 6.90 - 6.90     |

## ELECTRICAL DATA

|                            |         |             |             |                      |
|----------------------------|---------|-------------|-------------|----------------------|
| POWER SOURCE (V)           |         | 220 - 240   |             |                      |
| FREQUENCY (Hz)             |         | 50          |             |                      |
| RUNNING CURRENT (A)        | COOLING | 6.30 - 6.40 | 4.60 - 4.60 | 10.6 - 10.8          |
|                            | HEATING | 6.70 - 6.80 | 5.30 - 5.30 | 11.1 - 11.3          |
| INPUT WATTS (kW)           | COOLING | 1.36 - 1.44 | 0.98 - 1.04 | 2.28 - 2.42          |
|                            | HEATING | 1.44 - 1.54 | 1.12 - 1.18 | 2.38 - 2.52          |
| E.E.R. (kW/kW)             | COOLING | 2.54 - 2.40 | 2.30 - 2.16 | 2.50 - 2.36          |
|                            | HEATING | 2.85 - 2.66 | 2.50 - 2.37 | 2.90 - 2.74          |
| MOISTURE REMOVAL ( ℓ /hr)  |         | 1.6         | 1.0         | 2.6                  |
| AIR CIRCULATION-Hi (m³/hr) |         | 495         | 380         | 3,000 (Outdoor unit) |

## COMPRESSOR

|                      |                                                                                    |                                |   |
|----------------------|------------------------------------------------------------------------------------|--------------------------------|---|
| TYPE                 | Hermetic type, Permanent split condenser,<br>2 pole, Single phase, Induction motor |                                |   |
| CODE                 | [RH247VHAT]<br>220 - 240V 50Hz                                                     | [RH167VHAT]<br>220 - 240V 50Hz | — |
| REFRIGERANT R-22 (g) | 1,100 x 2                                                                          |                                |   |

## FAN MOTOR

| POWER SOURCE               |           | (V)      | 220 - 240     |               |   |
|----------------------------|-----------|----------|---------------|---------------|---|
| INDOOR UNIT<br>COOL (HEAT) | HI-SPEED  | (r.p.m.) | 1,330 (1,330) | 1,330 (1,330) | — |
|                            | MED-SPEED | (r.p.m.) | 1,260 (1,180) | 1,260 (1,180) | — |
|                            | LO-SPEED  | (r.p.m.) | 1,190 (1,030) | 1,190 (1,030) | — |
|                            | QUIET     | (r.p.m.) | 1,100 ( 970 ) | 1,100 ( 970 ) | — |
| OUTDOOR UNIT               | HI-SPEED  | (r.p.m.) | 720           |               |   |
|                            | LO-SPEED  | (r.p.m.) | 450           |               |   |

## DIMENSIONS

|              |                |                 |
|--------------|----------------|-----------------|
| INDOOR UNIT  | H x W x D (mm) | 260 x 815 x 175 |
| OUTDOOR UNIT |                | 700 x 900 x 350 |

## WEIGHT

|              |                  |         |
|--------------|------------------|---------|
| INDOOR UNIT  | GROSS / NET (kg) | 10 / 8  |
| OUTDOOR UNIT |                  | 85 / 73 |

|                       |             |             |                 |
|-----------------------|-------------|-------------|-----------------|
| TYPE                  | COOL & HEAT |             |                 |
| INDOOR UNIT           | AU□12RMA    | AS□7RMACW   | UNIT A & UNIT B |
| OUTDOOR UNIT          | AO□20RMBM2  |             |                 |
| OPERATION             | UNIT A      | UNIT B      | 2 UNITS         |
| COOLING CAPACITY (kW) | 3.50 - 3.50 | 2.25 - 2.25 | 5.75 - 5.75     |
| HEATING CAPACITY (kW) | 4.10 - 4.10 | 2.80 - 2.80 | 6.90 - 6.90     |

#### ELECTRICAL DATA

|                            |         |             |             |                      |
|----------------------------|---------|-------------|-------------|----------------------|
| POWER SOURCE (V)           |         | 220 - 240   |             |                      |
| FREQUENCY (Hz)             |         | 50          |             |                      |
| RUNNING CURRENT (A)        | COOLING | 6.70 - 6.80 | 4.60 - 4.60 | 10.7 - 10.9          |
|                            | HEATING | 7.00 - 7.10 | 5.30 - 5.30 | 11.2 - 11.4          |
| INPUT WATTS (kW)           | COOLING | 1.46 - 1.54 | 0.98 - 1.04 | 2.32 - 2.46          |
|                            | HEATING | 1.53 - 1.61 | 1.12 - 1.18 | 2.42 - 2.56          |
| E.E.R. (kW/kW)             | COOLING | 2.40 - 2.27 | 2.30 - 2.16 | 2.48 - 2.34          |
|                            | HEATING | 2.68 - 2.55 | 2.50 - 2.37 | 2.85 - 2.70          |
| MOISTURE REMOVAL ( ℓ /hr)  |         | 1.5         | 1.0         | 2.5                  |
| AIR CIRCULATION-Hi (m³/hr) |         | 550         | 380         | 3,000 (Outdoor unit) |

#### COMPRESSOR

|                      |                                                                                    |                                |   |
|----------------------|------------------------------------------------------------------------------------|--------------------------------|---|
| TYPE                 | Hermetic type, Permanent split condenser,<br>2 pole, Single phase, Induction motor |                                |   |
| CODE                 | [RH247VHAT]<br>220 - 240V 50Hz                                                     | [RH167VHAT]<br>220 - 240V 50Hz | — |
| REFRIGERANT R-22 (g) | 1,100 x 2                                                                          |                                |   |

#### FAN MOTOR

| POWER SOURCE (V)           |                    | 220 - 240 |               |    |
|----------------------------|--------------------|-----------|---------------|----|
| INDOOR UNIT<br>COOL (HEAT) | HI-SPEED (r.p.m.)  | 740 (740) | 1,330 (1,330) | —— |
|                            | MED-SPEED (r.p.m.) | 660 (660) | 1,260 (1,180) | —— |
|                            | LO-SPEED (r.p.m.)  | 580 (580) | 1,190 (1,030) | —— |
|                            | QUIET (r.p.m.)     | ——        | 1,100 ( 970 ) | —— |
| OUTDOOR UNIT               | HI-SPEED (r.p.m.)  | 720       |               |    |
|                            | LO-SPEED (r.p.m.)  | 450       |               |    |

#### DIMENSIONS

|              |                |                      |                 |   |
|--------------|----------------|----------------------|-----------------|---|
| INDOOR UNIT  | H x W x D (mm) | 235 x 580 x 580 + 70 | 260 x 815 x 175 | — |
| GRILLE       |                | 35 x 650 x 650       | —               | — |
| OUTDOOR UNIT |                | 700 x 900 x 350      |                 |   |

#### WEIGHT

|              |                  |           |        |   |
|--------------|------------------|-----------|--------|---|
| INDOOR UNIT  | GROSS / NET (kg) | 23 / 18   | 10 / 8 | — |
| GRILLE       |                  | 4.3 / 2.2 | —      | — |
| OUTDOOR UNIT |                  | 85 / 73   |        |   |

|                       |             |             |             |             |
|-----------------------|-------------|-------------|-------------|-------------|
| TYPE                  | COOL & HEAT |             |             |             |
| INDOOR UNIT           | AS□12RMACW  |             | AU□12RMA    |             |
| OUTDOOR UNIT          | AO□24RMAM2  |             |             |             |
| OPERATION             | 1 UNIT      | 2 UNITS     | 1 UNIT      | 2 UNITS     |
| COOLING CAPACITY (kW) | 3.50 - 3.55 | 6.90 - 7.00 | 3.55 - 3.60 | 7.00 - 7.20 |
| HEATING CAPACITY (kW) | 4.20 - 4.20 | 8.20 - 8.20 | 4.20 - 4.20 | 8.20 - 8.20 |

#### ELECTRICAL DATA

|                            |           |             |             |             |             |
|----------------------------|-----------|-------------|-------------|-------------|-------------|
| POWER SOURCE (V)           | 220 - 240 |             |             |             |             |
| FREQUENCY (Hz)             | 50        |             |             |             |             |
| RUNNING CURRENT (A)        | COOLING   | 6.40 - 6.40 | 13.0 - 13.0 | 6.60 - 6.80 | 13.3 - 13.3 |
|                            | HEATING   | 7.00 - 7.00 | 12.9 - 13.3 | 7.00 - 7.00 | 12.7 - 13.0 |
| INPUT WATTS (kW)           | COOLING   | 1.37 - 1.44 | 2.80 - 2.93 | 1.40 - 1.47 | 2.86 - 2.99 |
|                            | HEATING   | 1.50 - 1.58 | 2.78 - 2.97 | 1.50 - 1.58 | 2.73 - 2.92 |
| E.E.R. (kW/kW)             | COOLING   | 2.55 - 2.47 | 2.46 - 2.39 | 2.54 - 2.45 | 2.44 - 2.41 |
|                            | HEATING   | 2.80 - 2.66 | 2.95 - 2.76 | 2.80 - 2.66 | 3.00 - 2.81 |
| MOISTURE REMOVAL (ℓ/hr)    | 1.6       | 1.6 x 2     | 1.5         | 1.5 x 2     |             |
| AIR CIRCULATION-Hi (m³/hr) | 495       | 495 x 2     | 550         | 550 x 2     |             |

#### COMPRESSOR

|                      |                                                                                    |  |  |  |  |
|----------------------|------------------------------------------------------------------------------------|--|--|--|--|
| TYPE                 | Hermetic type, Permanent split condenser,<br>2 pole, Single phase, Induction motor |  |  |  |  |
| CODE                 | RH247VHAT x 2<br>220 - 240V 50Hz                                                   |  |  |  |  |
| REFRIGERANT R-22 (g) | 1,050 x 2                                                                          |  |  |  |  |

#### FAN MOTOR

| POWER SOURCE (V)           |                    | 220 - 240     |           |
|----------------------------|--------------------|---------------|-----------|
| INDOOR UNIT<br>COOL (HEAT) | HI-SPEED (r.p.m.)  | 1,330 (1,330) | 740 (740) |
|                            | MED-SPEED (r.p.m.) | 1,260 (1,180) | 660 (660) |
|                            | LO-SPEED (r.p.m.)  | 1,190 (1,030) | 580 (580) |
|                            | QUIET (r.p.m.)     | 1,100 ( 970 ) | —         |
| OUTDOOR UNIT               | HI-SPEED (r.p.m.)  | 750           |           |
|                            | LO-SPEED (r.p.m.)  | 470           |           |

#### DIMENSIONS

|              |                |                 |                      |
|--------------|----------------|-----------------|----------------------|
| INDOOR UNIT  | H x W x D (mm) | 260 x 815 x 168 | 235 x 580 x 580 + 70 |
| GRILLE       |                | —               | 35 x 650 x 650       |
| OUTDOOR UNIT |                | 700 x 900 x 350 |                      |

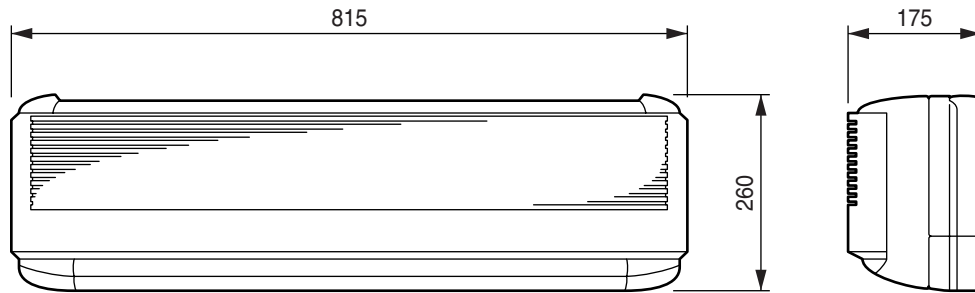
#### WEIGHT

|              |                  |         |           |
|--------------|------------------|---------|-----------|
| INDOOR UNIT  | GROSS / NET (kg) | 10 / 8  | 23 / 18   |
| GRILLE       |                  | —       | 4.3 / 2.2 |
| OUTDOOR UNIT |                  | 85 / 74 |           |

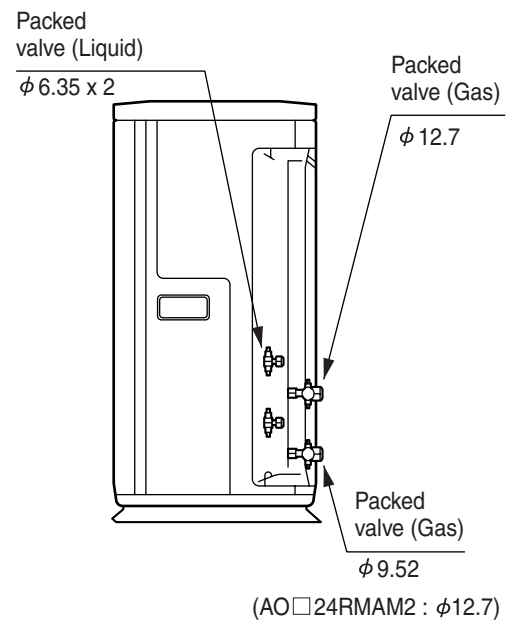
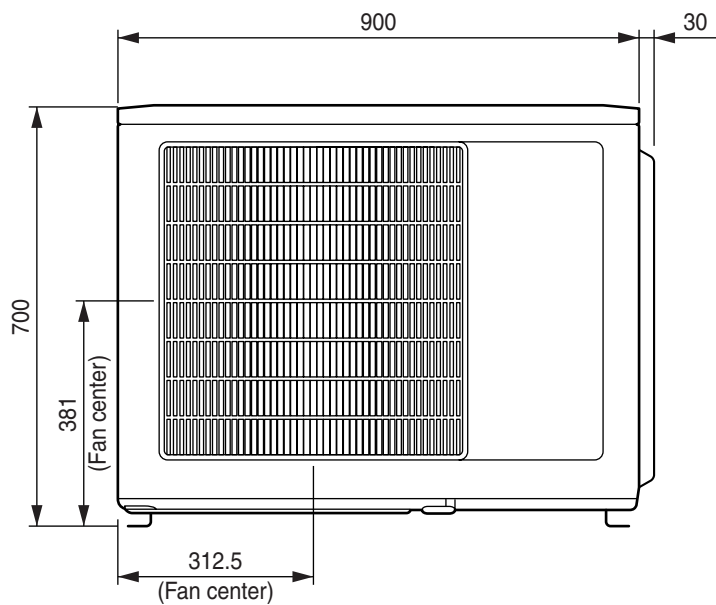
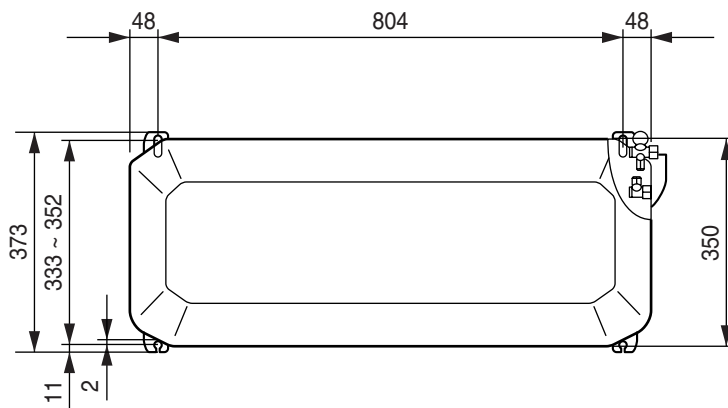
# OUTLINE AND DIMENSIONS

## INDOOR UNIT (WALL MOUNTED type)

Unit : mm

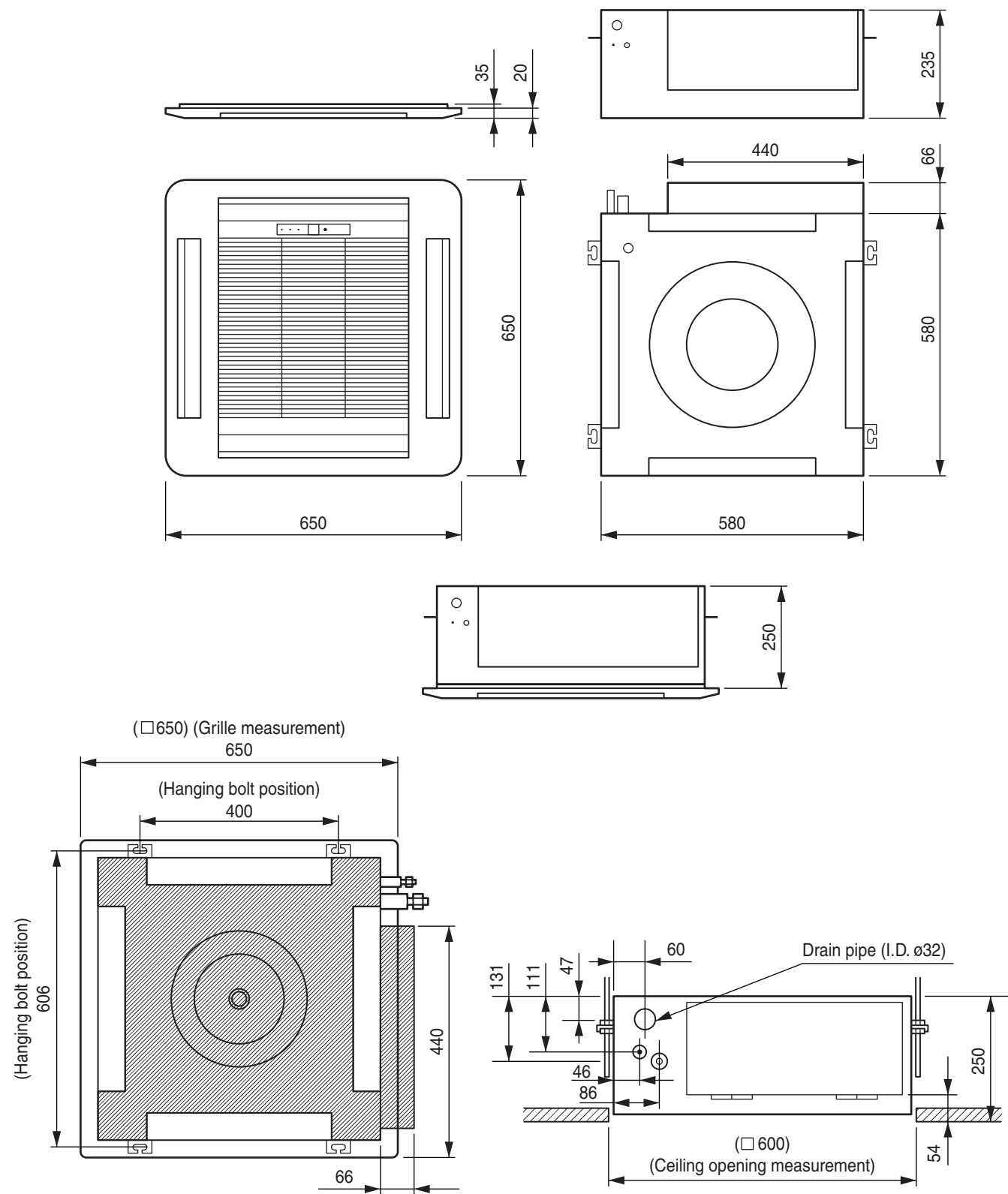


## OUTDOOR UNIT



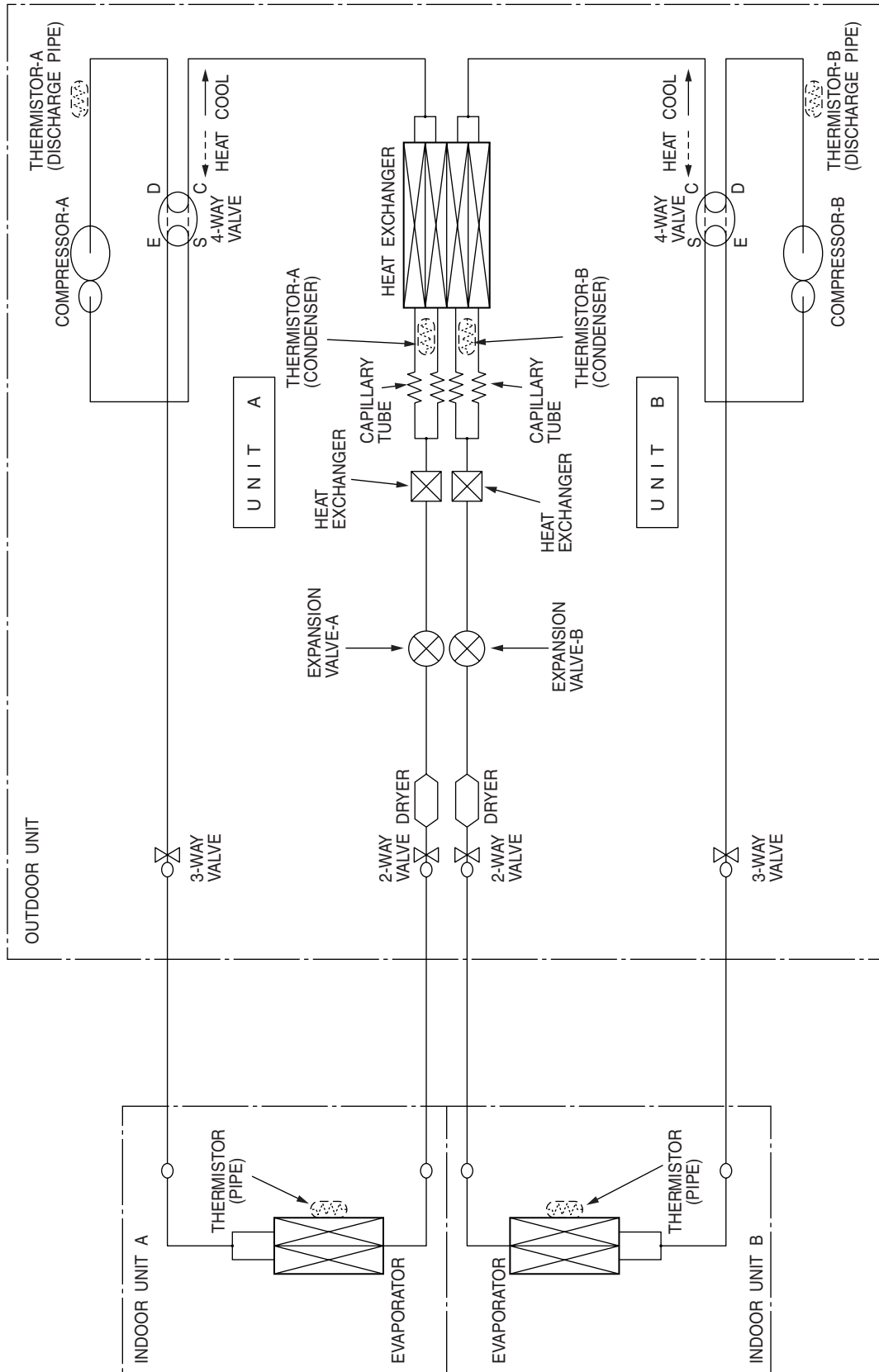
INDOOR UNIT (CASSETTE type)

(Unit : mm)



# REFRIGERANT SYSTEM DIAGRAM

Models : AS □ 12RMACW / AO □ 20RMBM2  
 AS □ 7RMACW / AO □ 20RMBM2  
 AU □ 12RMA / AO □ 20RMBM2  
 AS □ 7RMACW / AO □ 20RMBM2  
 AS □ 12RMACW x 2 / AO □ 24RMAM2  
 AU □ 12RMA x 2 / AO □ 24RMAM2



# ERROR DISPLAY

## INDOOR UNIT

○ : Fast flashing      ● : Slow flashing      — : Off

| Error contents                                      | Error display      |                  |                   |
|-----------------------------------------------------|--------------------|------------------|-------------------|
|                                                     | OPERATION<br>(RED) | TIMER<br>(GREEN) | SWING<br>(ORANGE) |
| Indoor unit circuit board error                     | ○                  | ○                | —                 |
| Indoor unit room temperature sensor wire error      | ● (2 times)        | ○                | —                 |
| Indoor unit piping sensor wire error                | ● (3 times)        | ○                | —                 |
| Indoor ⇔ outdoor wire error                         | ● (4 times)        | ○                | —                 |
| Indoor unit fan motor error                         | ● (6 times)        | ○                | —                 |
| Outdoor unit thermistor (discharge pipe) A abnormal | ○                  | ● (1 time)       | —                 |
| Outdoor unit thermistor (discharge pipe) B abnormal | ○                  | ● (2 times)      | —                 |
| Outdoor unit thermistor (heat exchanger) A abnormal | ○                  | ● (3 times)      | —                 |
| Outdoor unit thermistor (heat exchanger) B abnormal | ○                  | ● (4 times)      | —                 |
| Outdoor unit thermistor (outdoor temp.) abnormal    | ○                  | ● (5 times)      | —                 |

## OUTDOOR UNIT

○ : Fast flashing      ● : Slow flashing

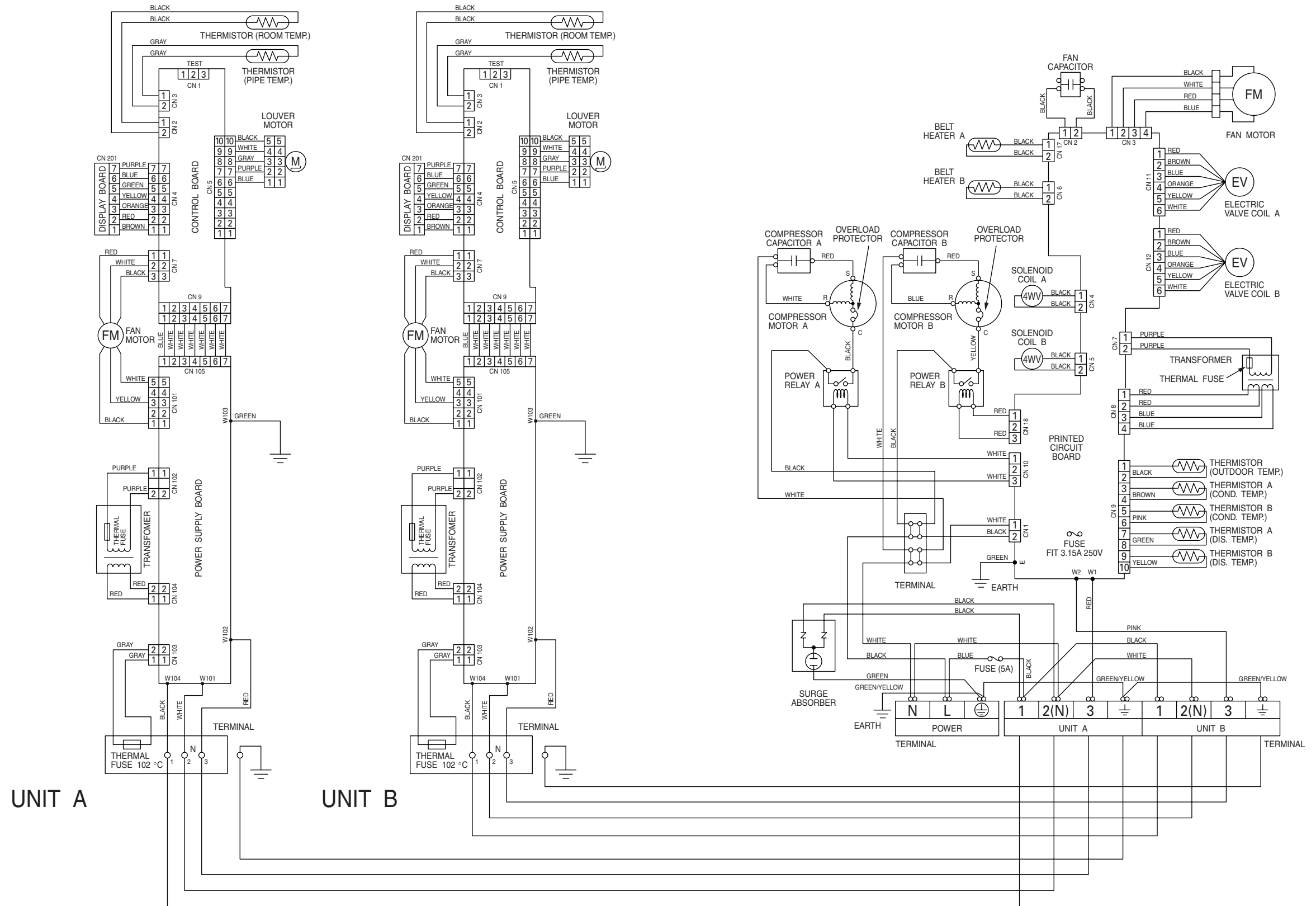
| LED indication |                         | Contents                                    |                            |
|----------------|-------------------------|---------------------------------------------|----------------------------|
| D8             | ○                       | Signal reception (from indoor unit A) error | Model<br>information error |
|                | ●                       | —                                           |                            |
| D15            | ○                       | Signal reception (from indoor unit B) error | 0.1s ON/OFF                |
|                | ●                       | —                                           |                            |
| D10            | ● (2 times)             | Thermistor (discharge pipe) A error         | (All LED blink)            |
|                | ● (3 times)             | Thermistor (discharge pipe) B error         |                            |
|                | ● (4 times)             | Thermistor (heat exchanger) A error         |                            |
|                | ● (5 times)             | Thermistor (heat exchanger) B error         |                            |
|                | ● (6 times)             | Thermistor (outdoor temp.) error            |                            |
| D17            |                         | —                                           |                            |
| D9             | ● (2 times)             | UNIT A : Heating overload protection        |                            |
|                | ● (3 times)             | UNIT A : Cooling deicing                    |                            |
|                | ● (4 times)             | —                                           |                            |
|                | ● (5 times)             | UNIT A : Discharge temp. protection         |                            |
|                | 3s ON / 1s OFF repeated | UNIT A : Heating defrost operation          |                            |
| D16            | ● (2 times)             | UNIT B : Heating overload protection        |                            |
|                | ● (3 times)             | UNIT B : Cooling deicing                    |                            |
|                | ● (4 times)             | —                                           |                            |
|                | ● (5 times)             | UNIT B : Discharge temp. protection         |                            |
|                | 3s ON / 1s OFF repeated | UNIT B : Heating defrost operation          |                            |

# CIRCUIT DIAGRAM

Models : AS □ 12RMACW / AO □ 20RMBM2  
AS □ 7RMACW / AO □ 20RMBM2  
AS □ 12RMACW x 2 / AO □ 24RMAM2

## INDOOR UNIT

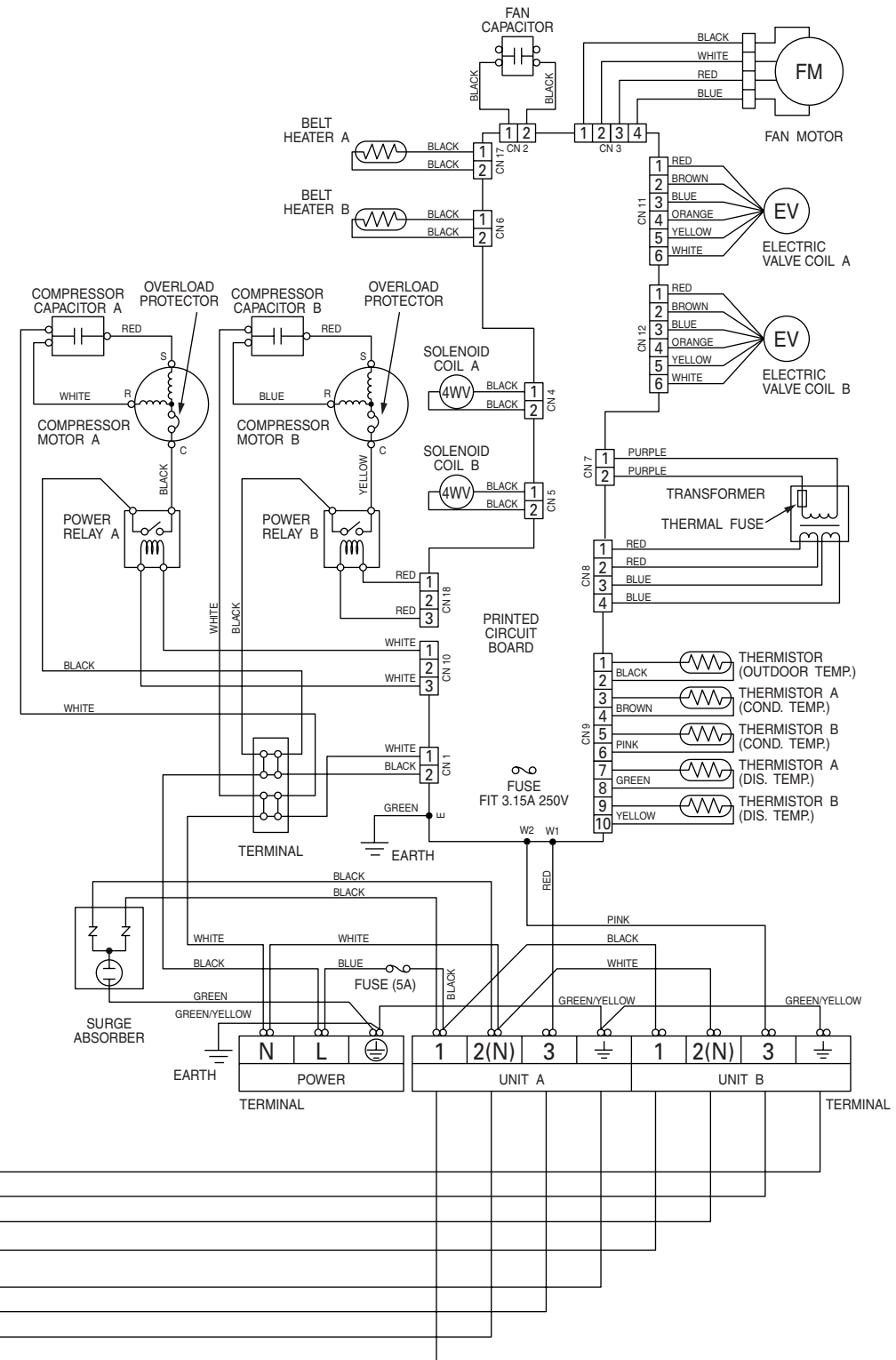
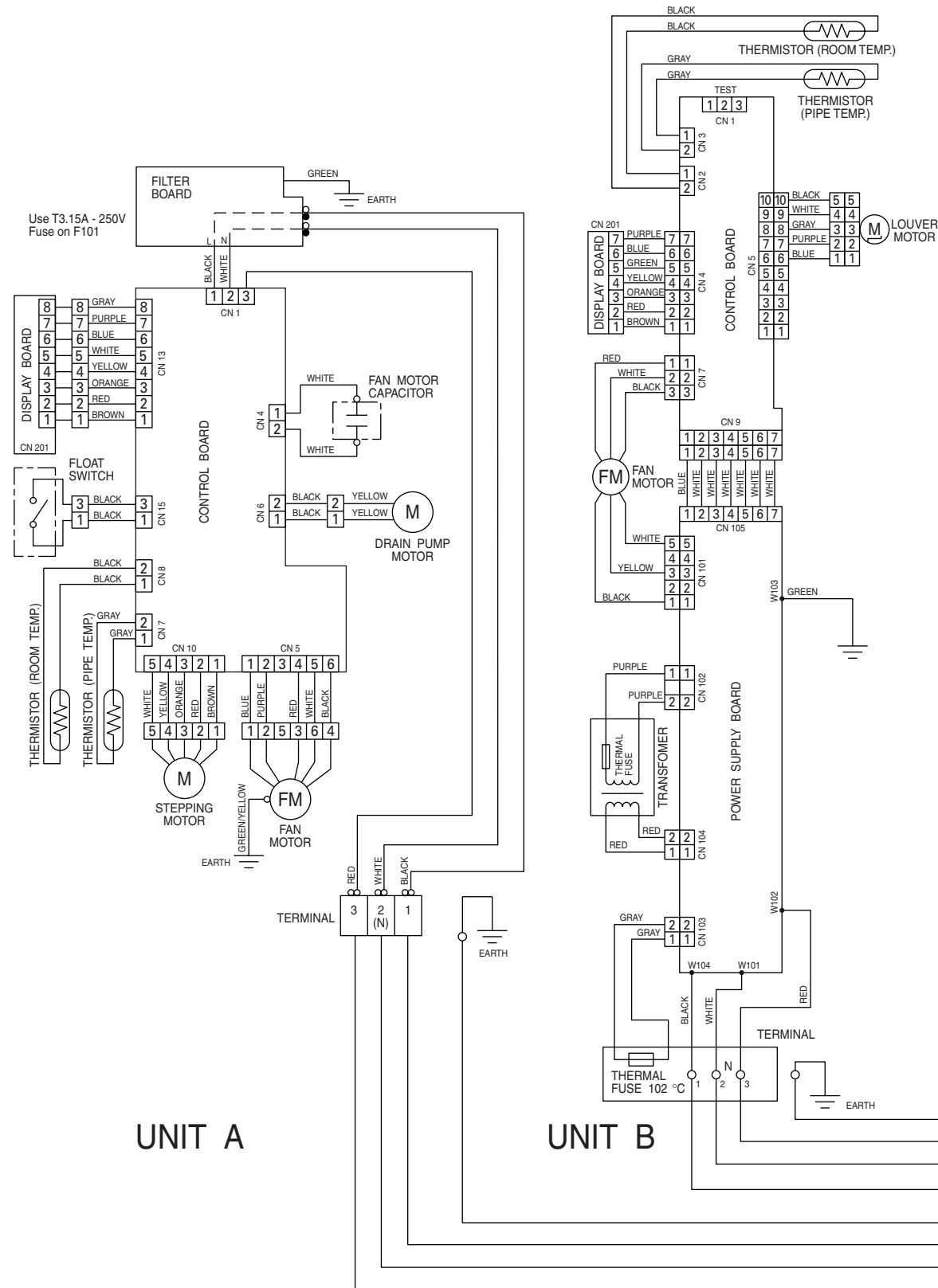
## OUTDOOR UNIT



**Models :** AU □ 12RMA / AO □ 20RMBM2  
AS □ 7RMACW / AO □ 24RMAM2  
AU □ 12RMA / AO □ 24RMAM2  
AS □ 12RMACW / AO □ 24RMAM2

## INDOOR UNIT

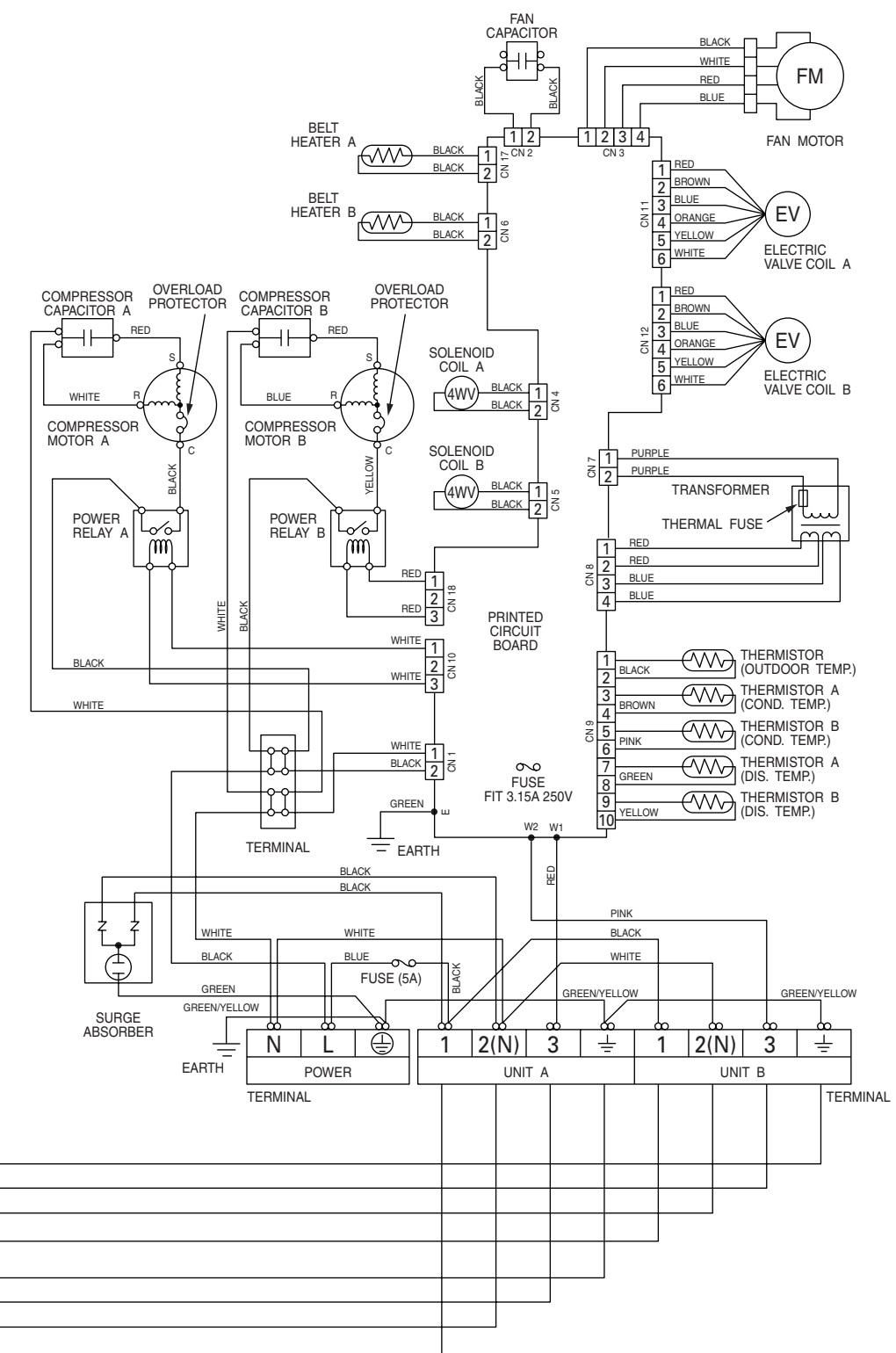
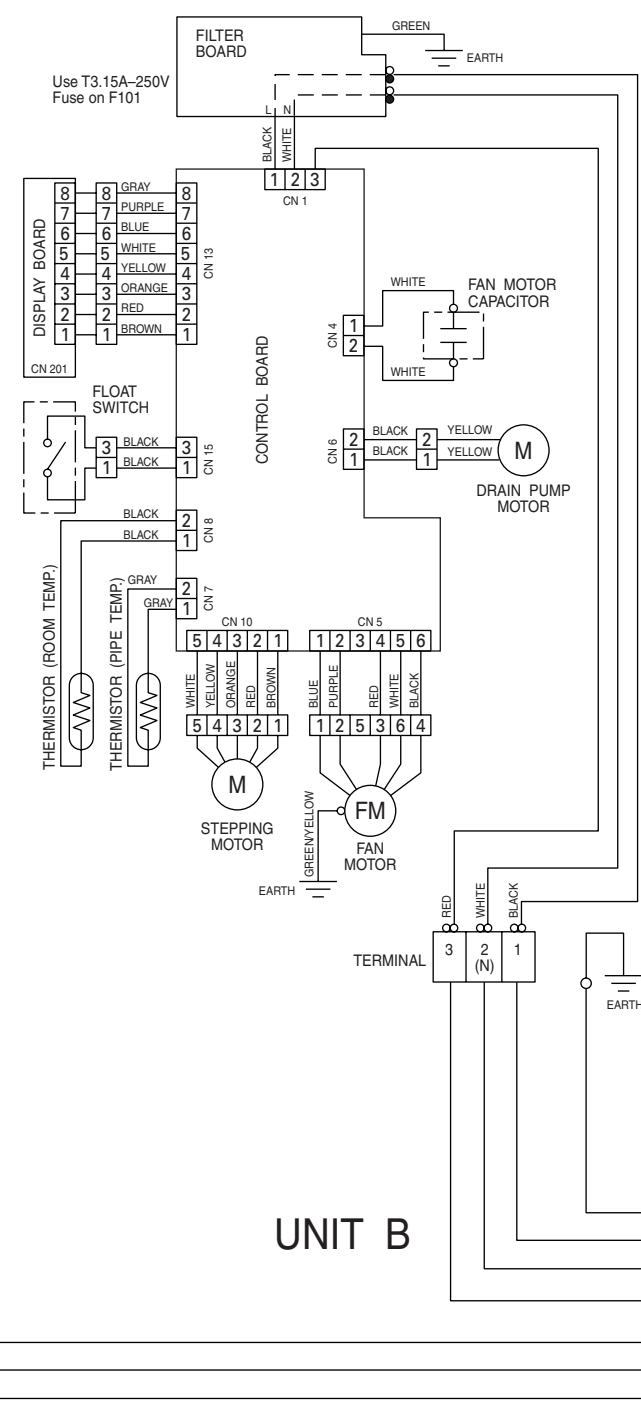
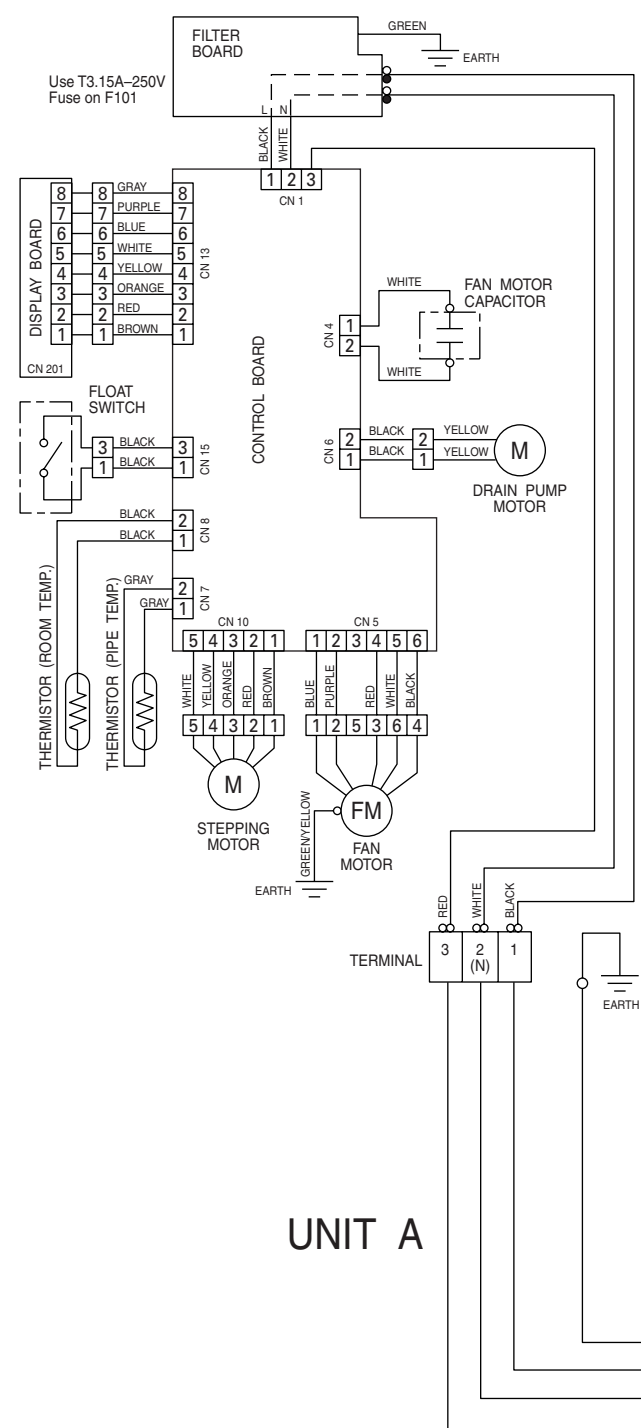
## OUTDOOR UNIT



Models : AU □ 12RMA x 2 / AO □ 24RMAM2

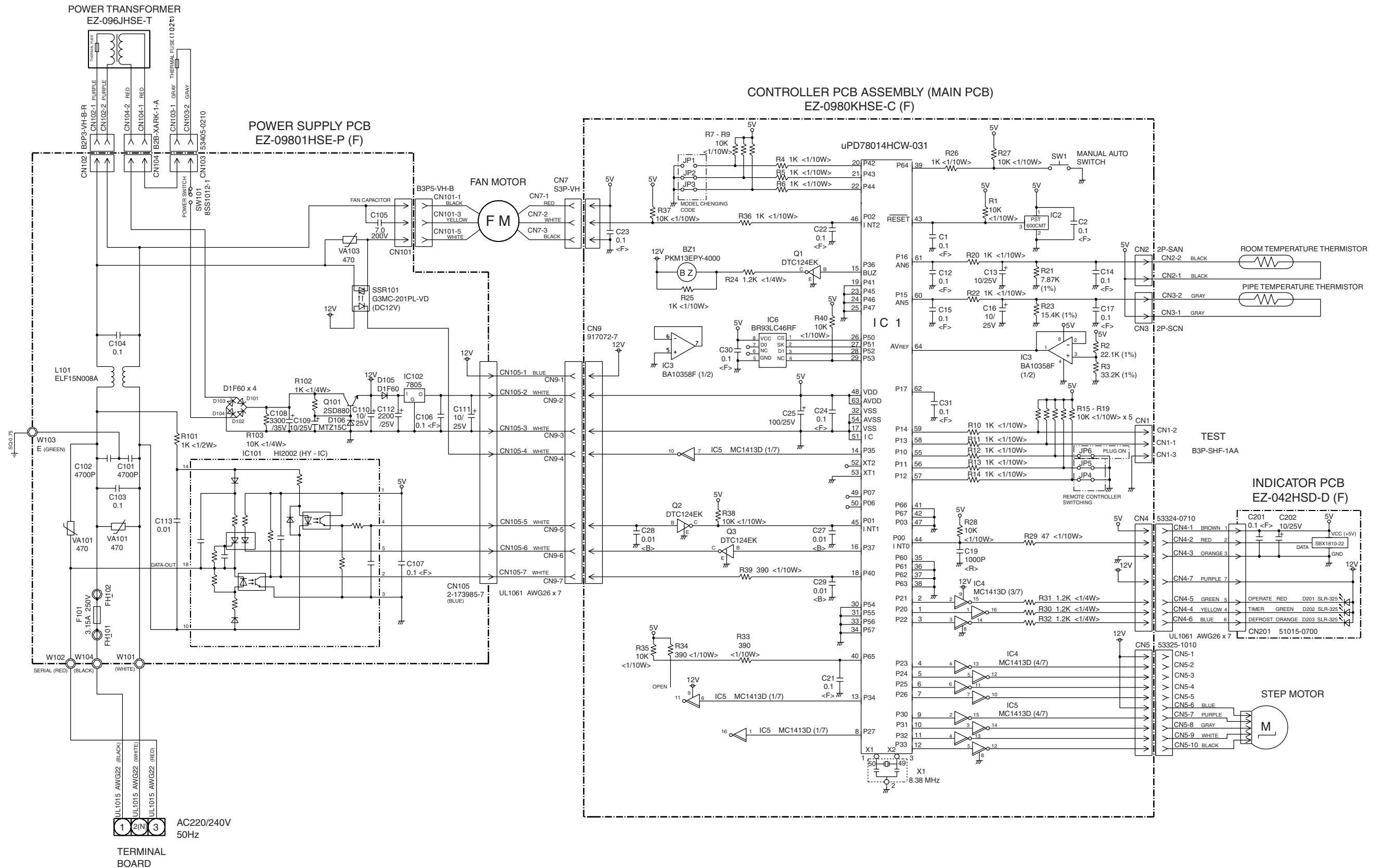
INDOOR UNIT

OUTDOOR UNIT

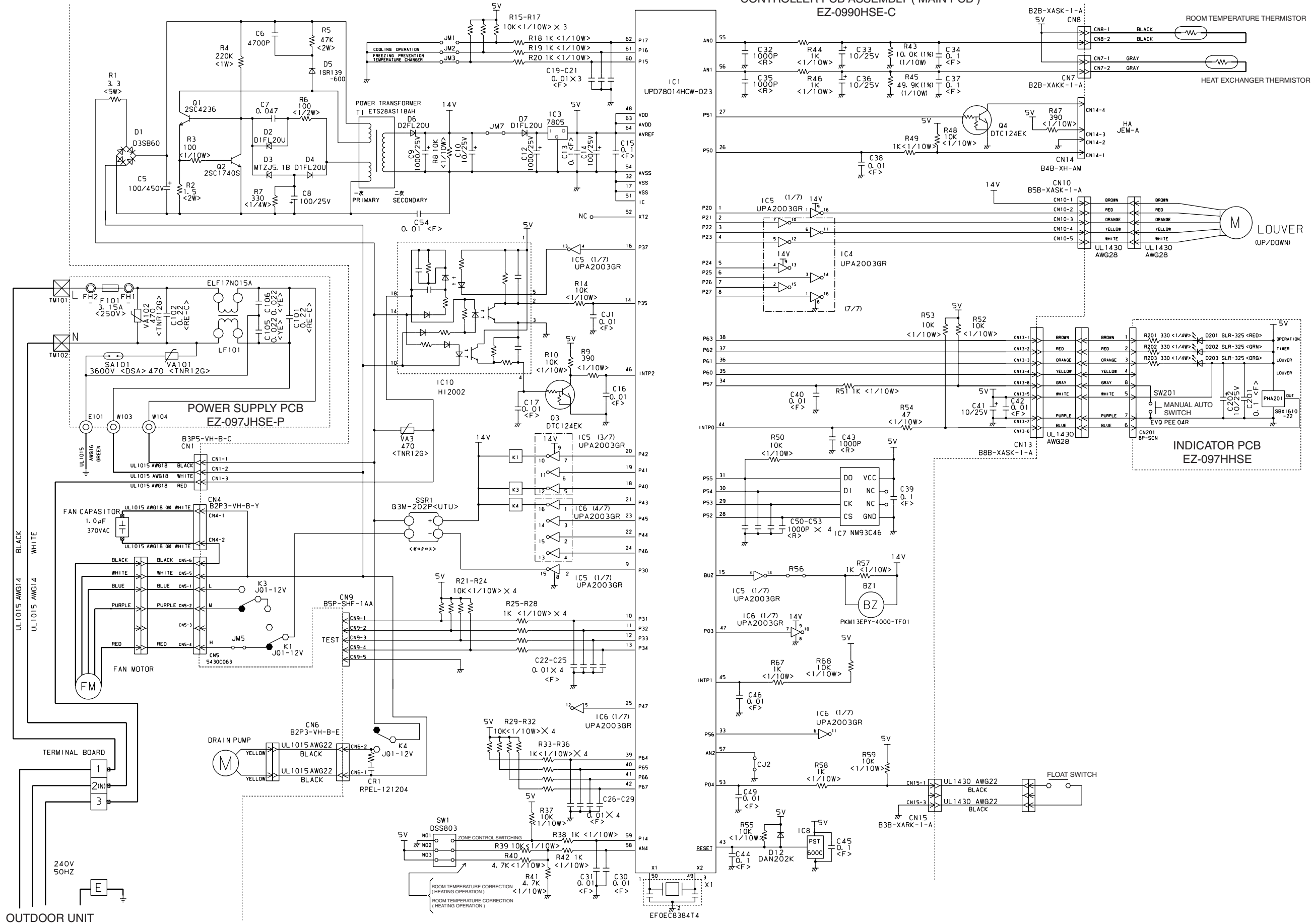


# INDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM

Models : AS □ 12RMACW  
AS □ 7RMACW

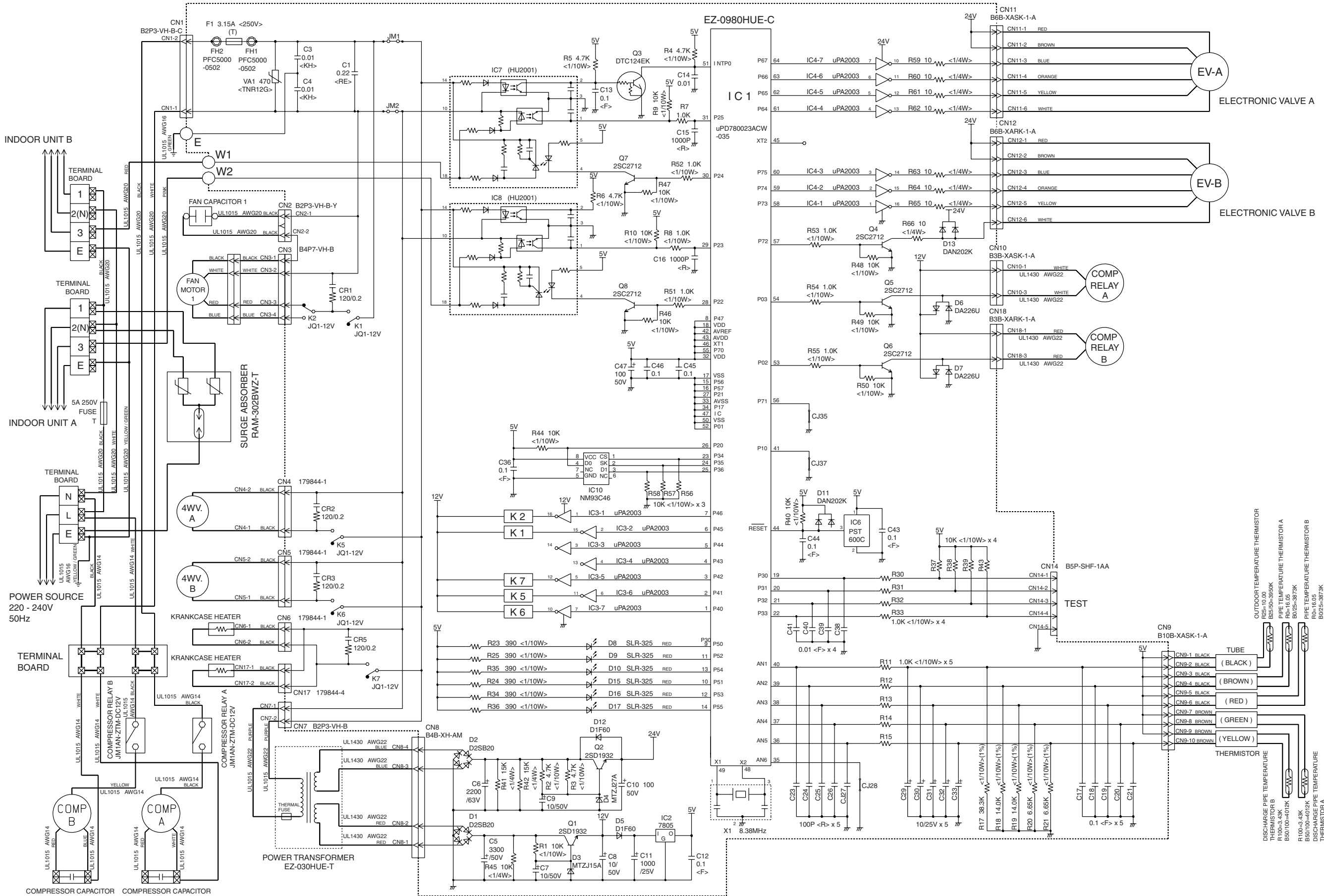


Model : AU □ 12RMA



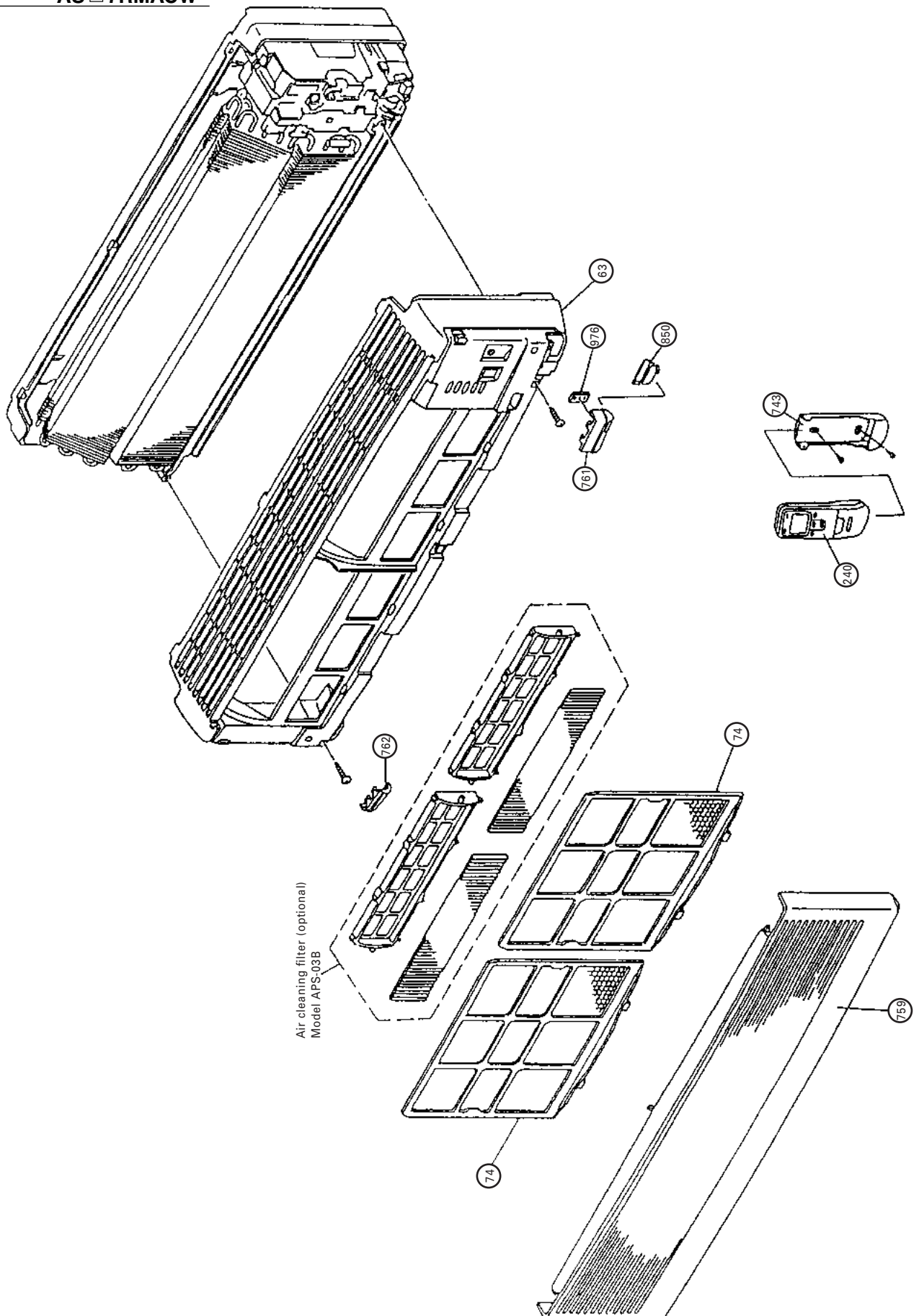
# OUTDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM

Models : AO □ 20RMBM2  
AO □ 24RMMAM2

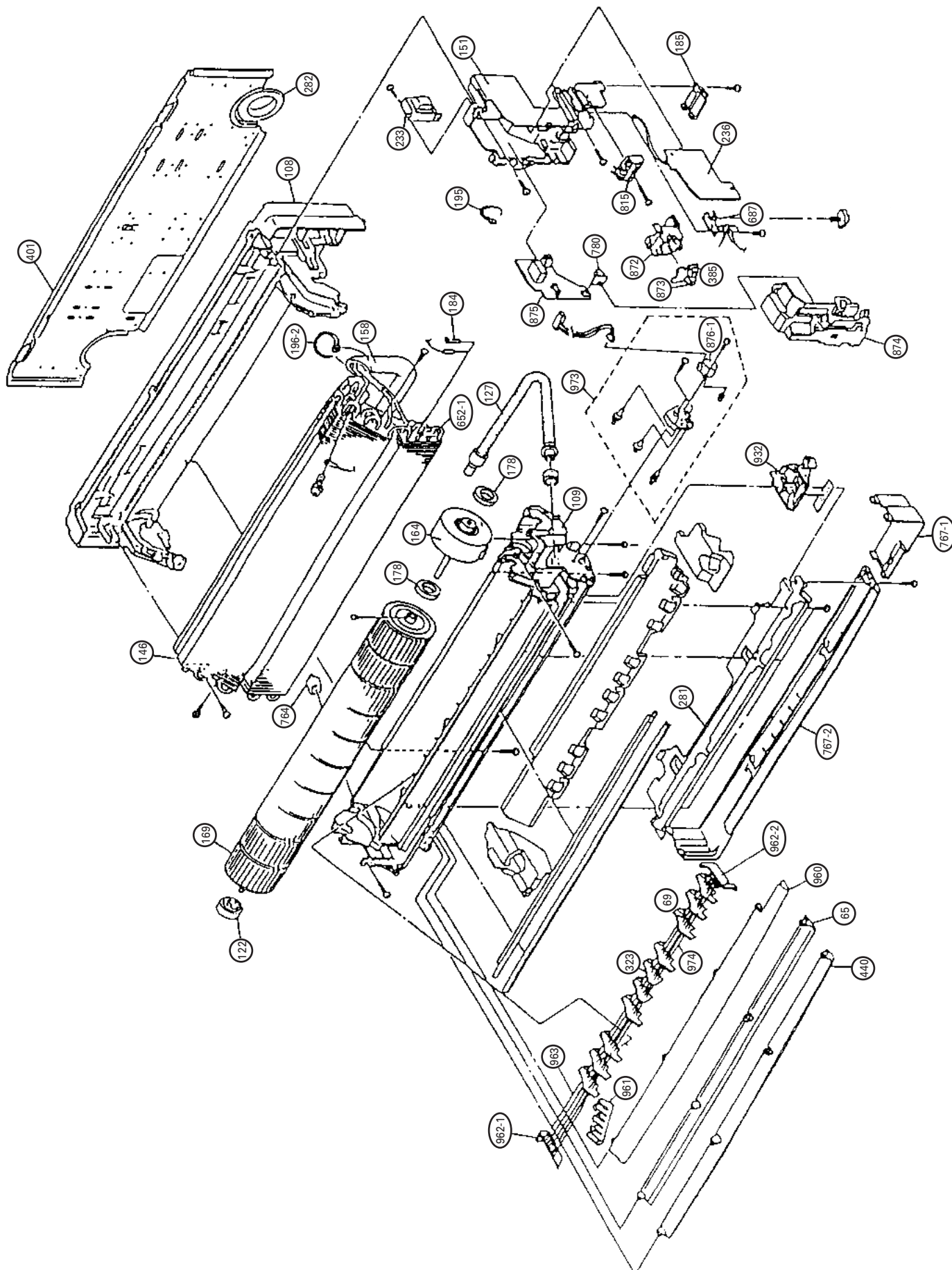


# DISASSEMBLY ILLUSTRATION

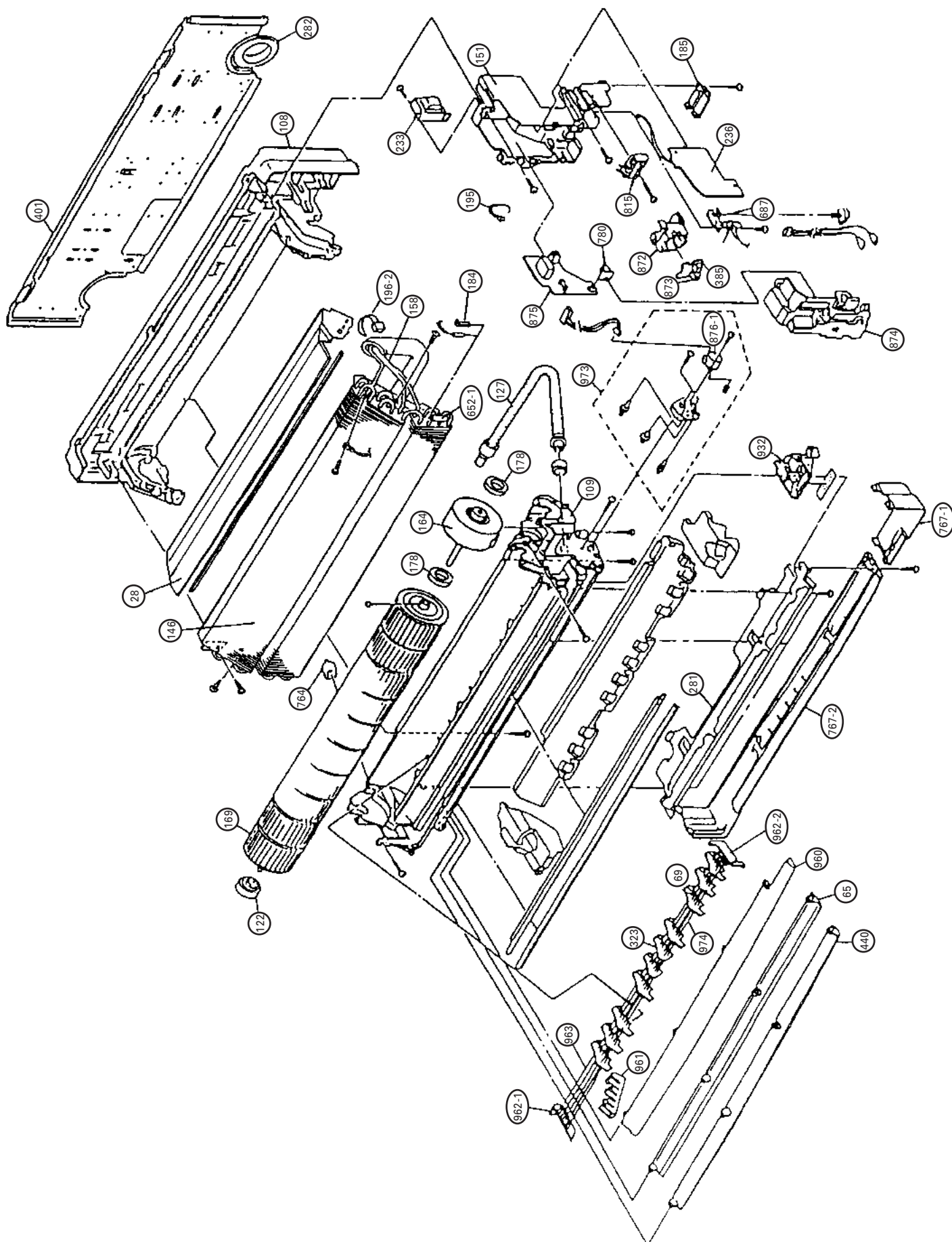
Models : AS □ 12RMACW  
AS □ 7RMACW



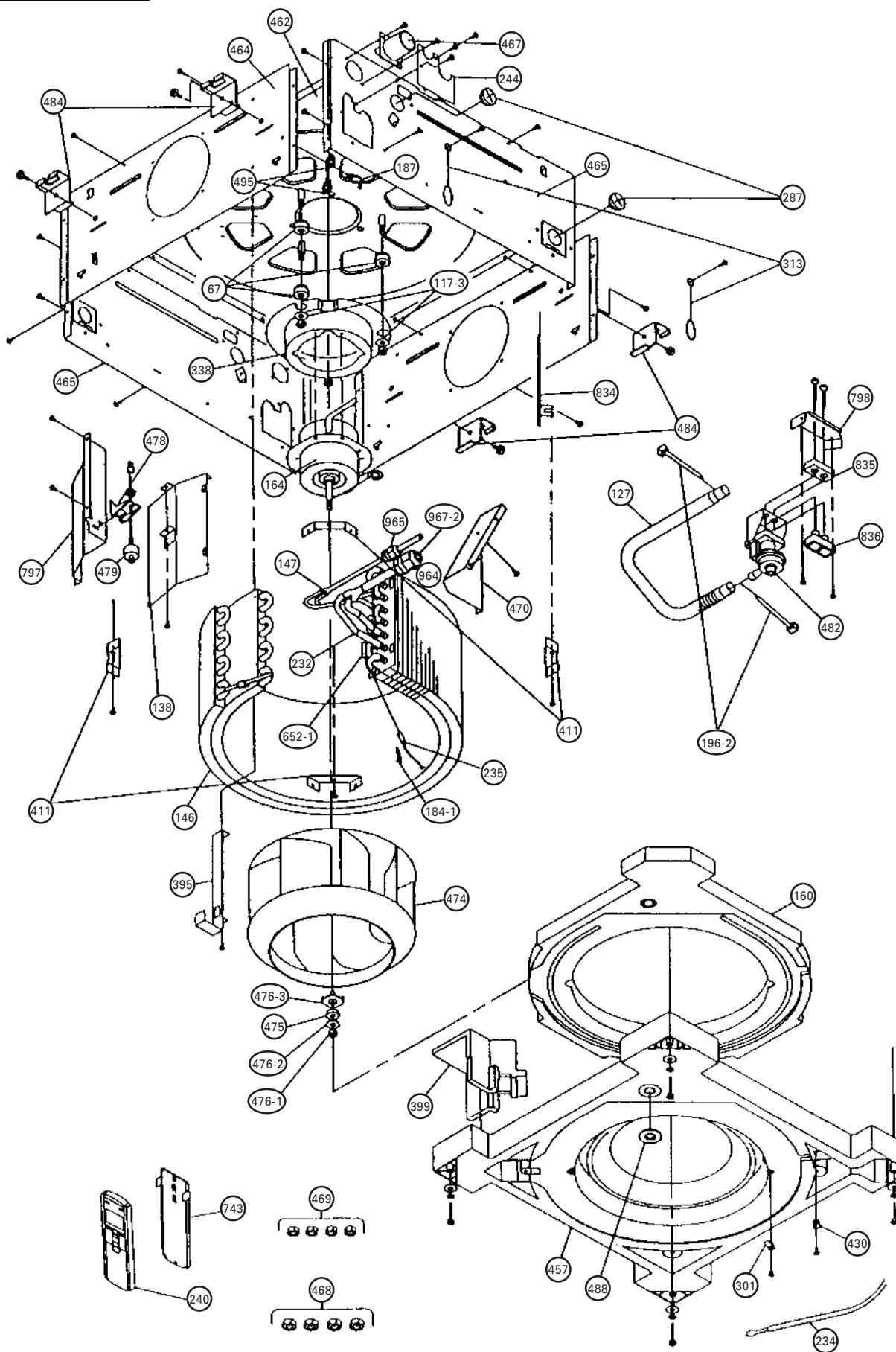
Model : AS □ 12RMACW



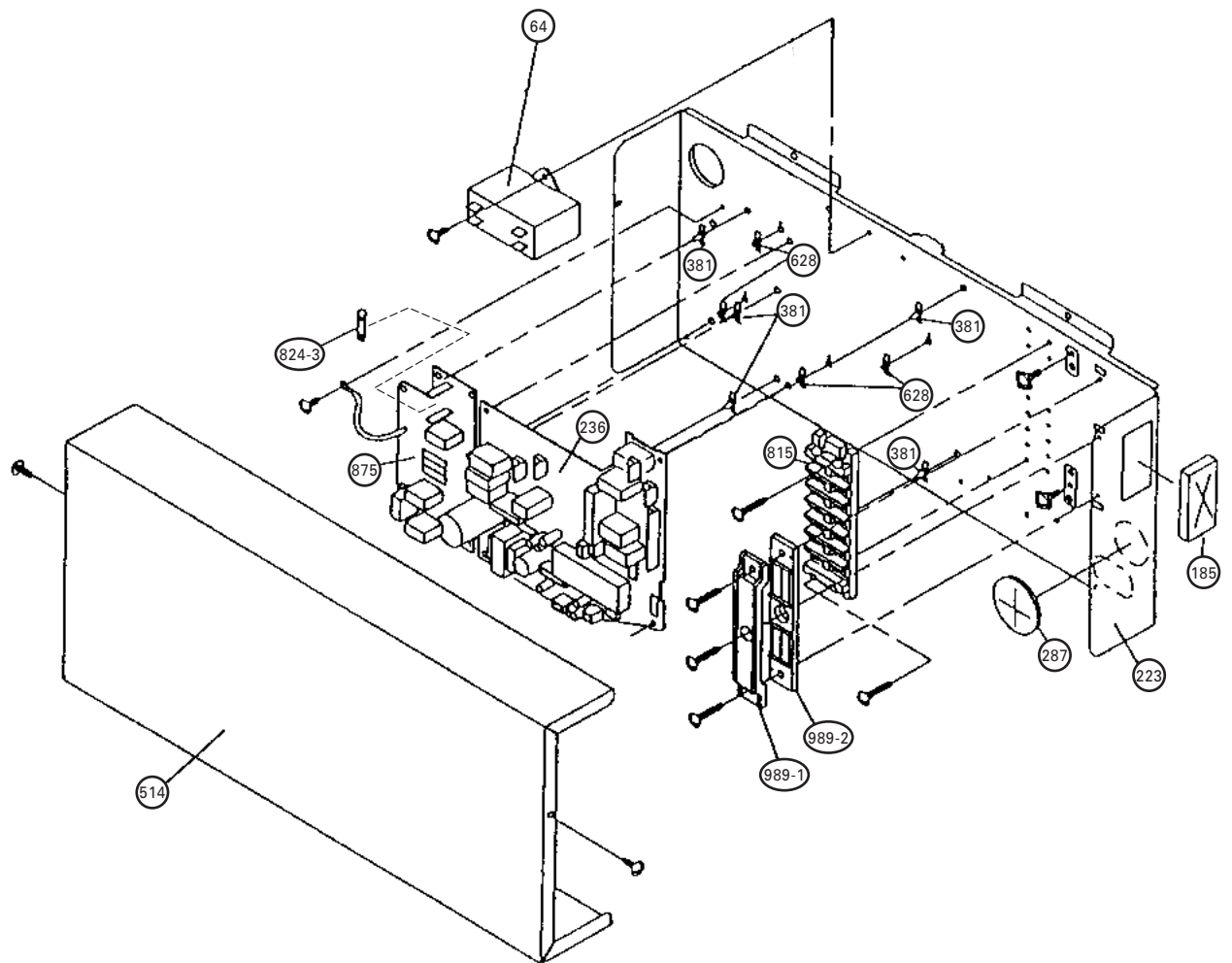
Model : AS □7RMACW



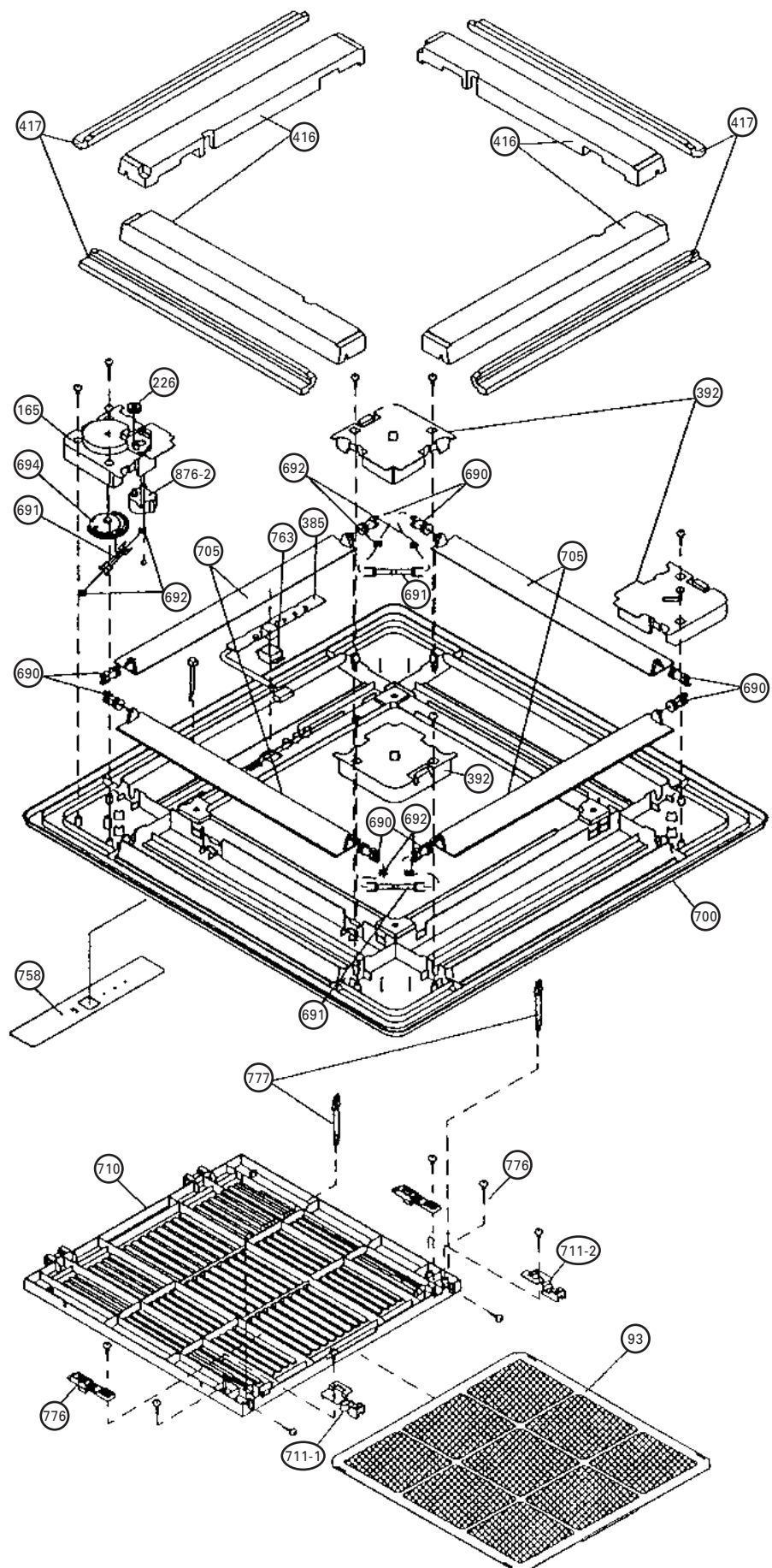
Model : AU □ 12RMA



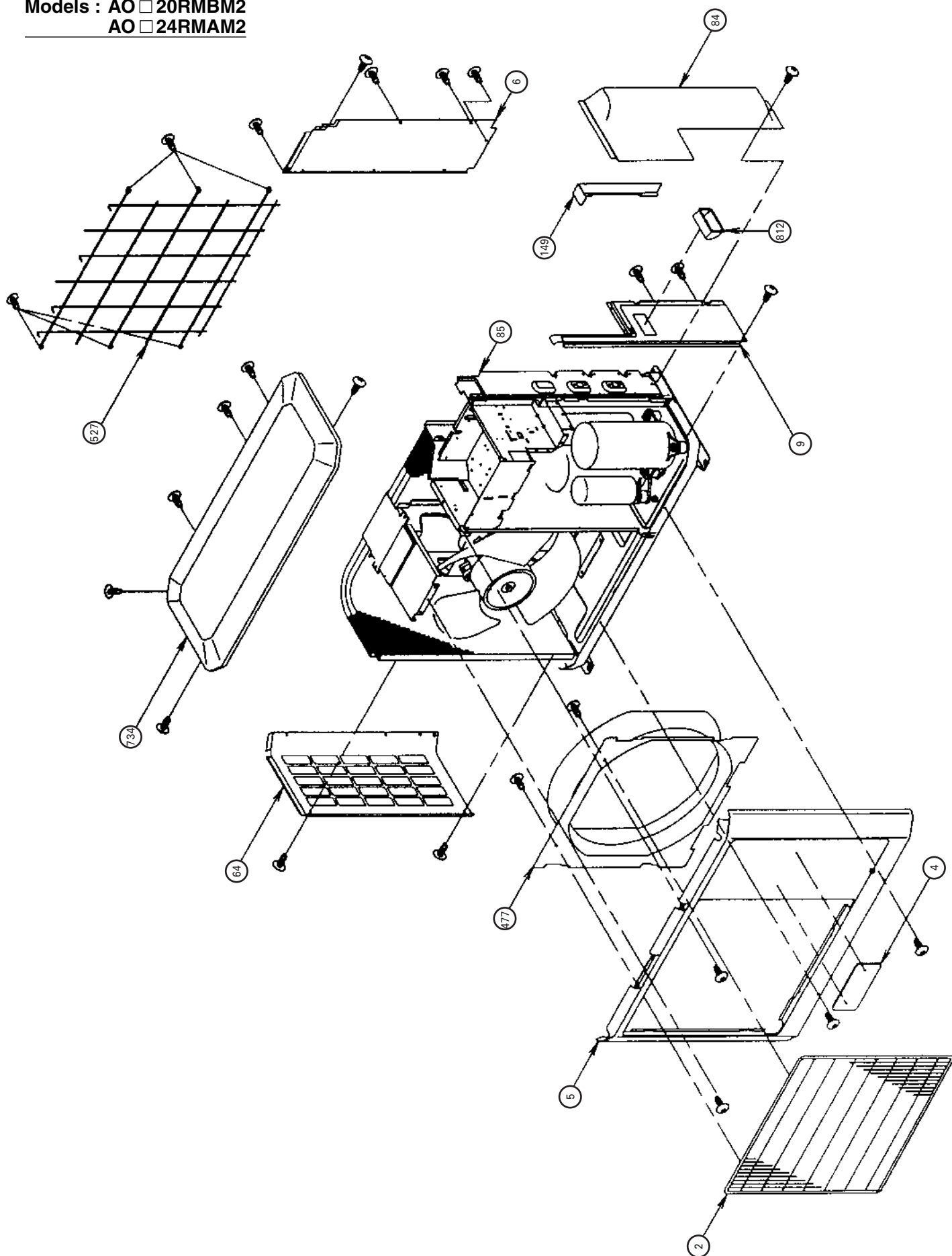
**Model : AU □ 12RMA**



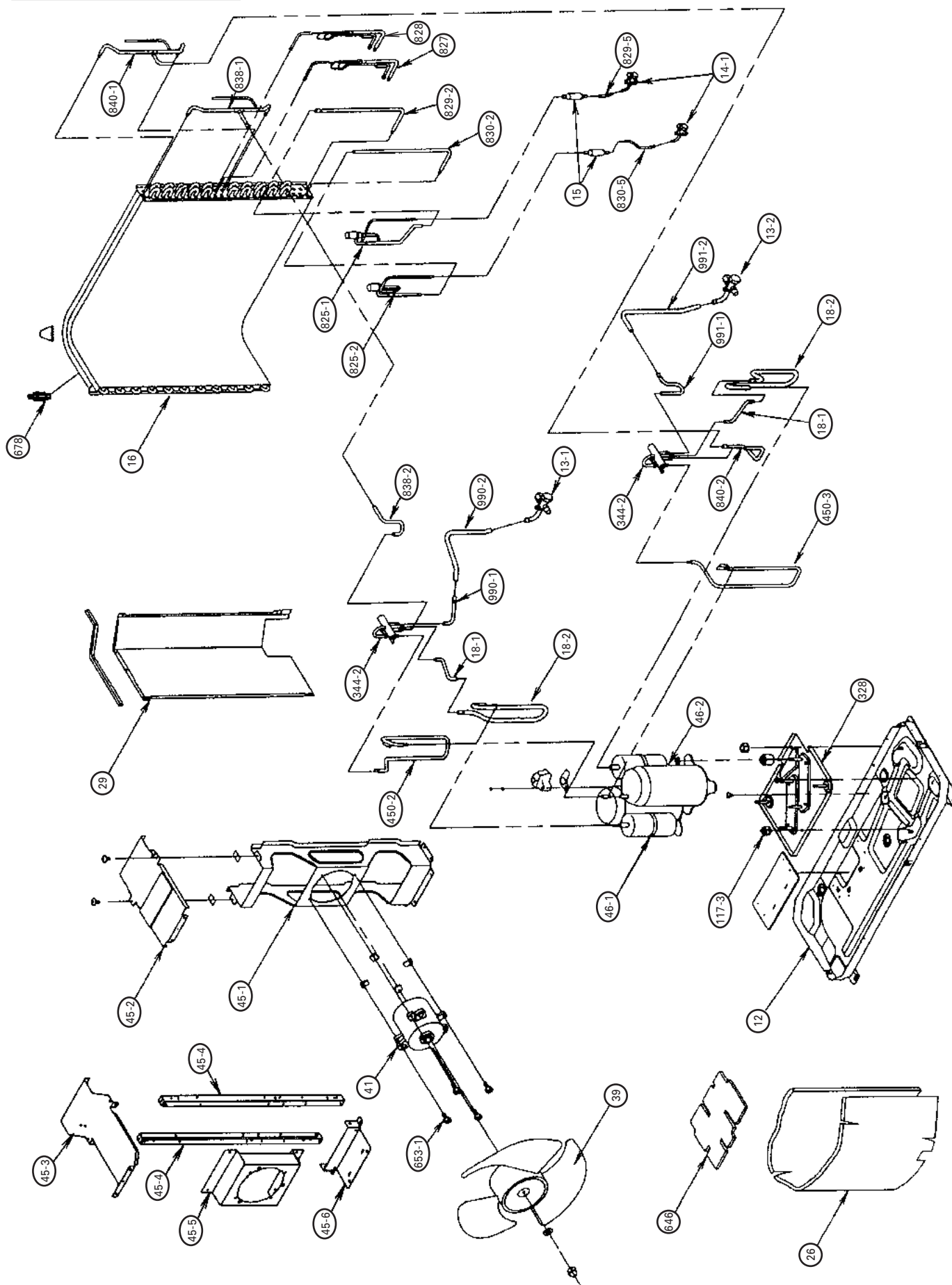
**Model : UTG-UDYA-W**



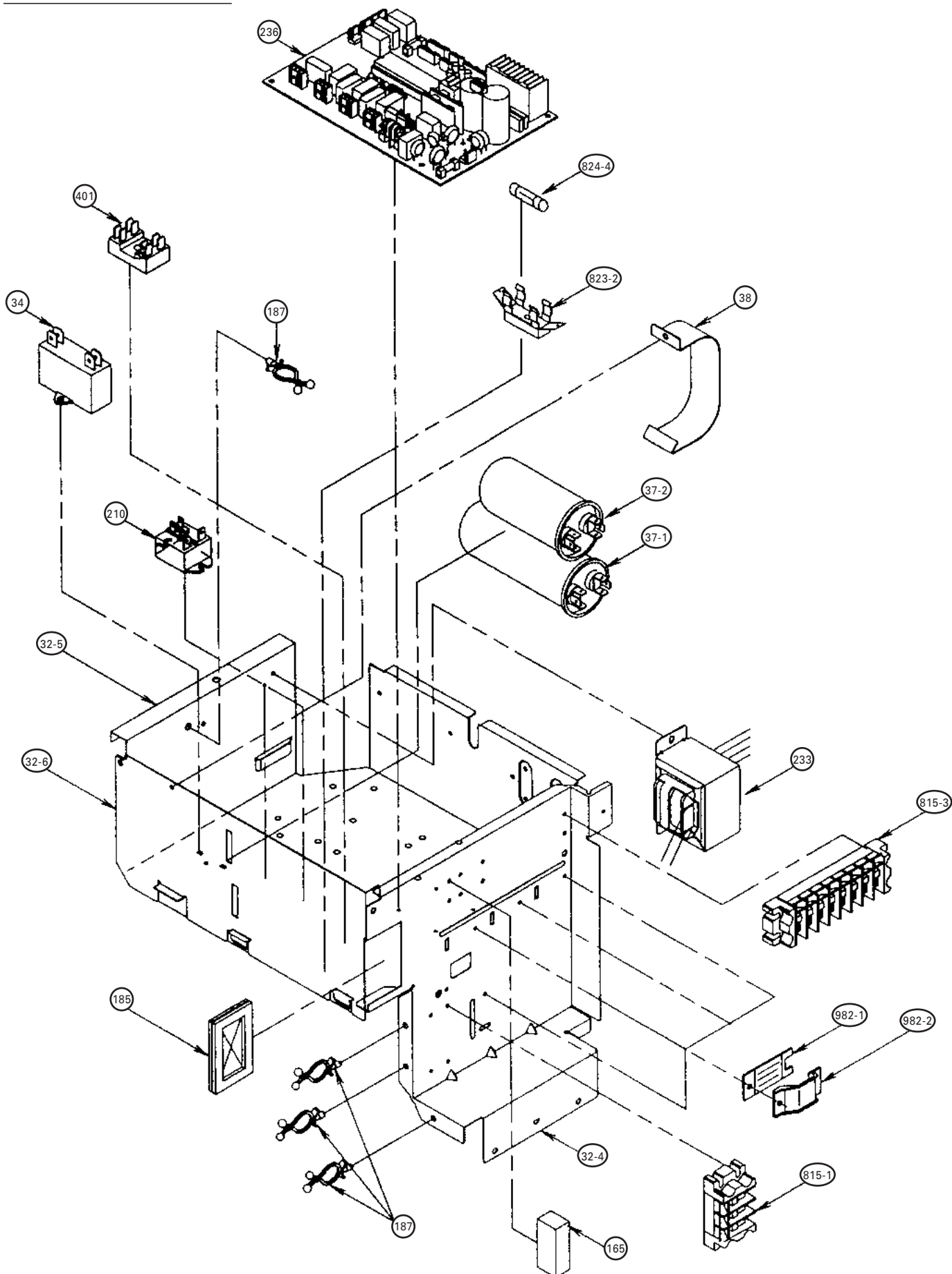
Models : AO □ 20RMBM2  
 AO □ 24RMAM2



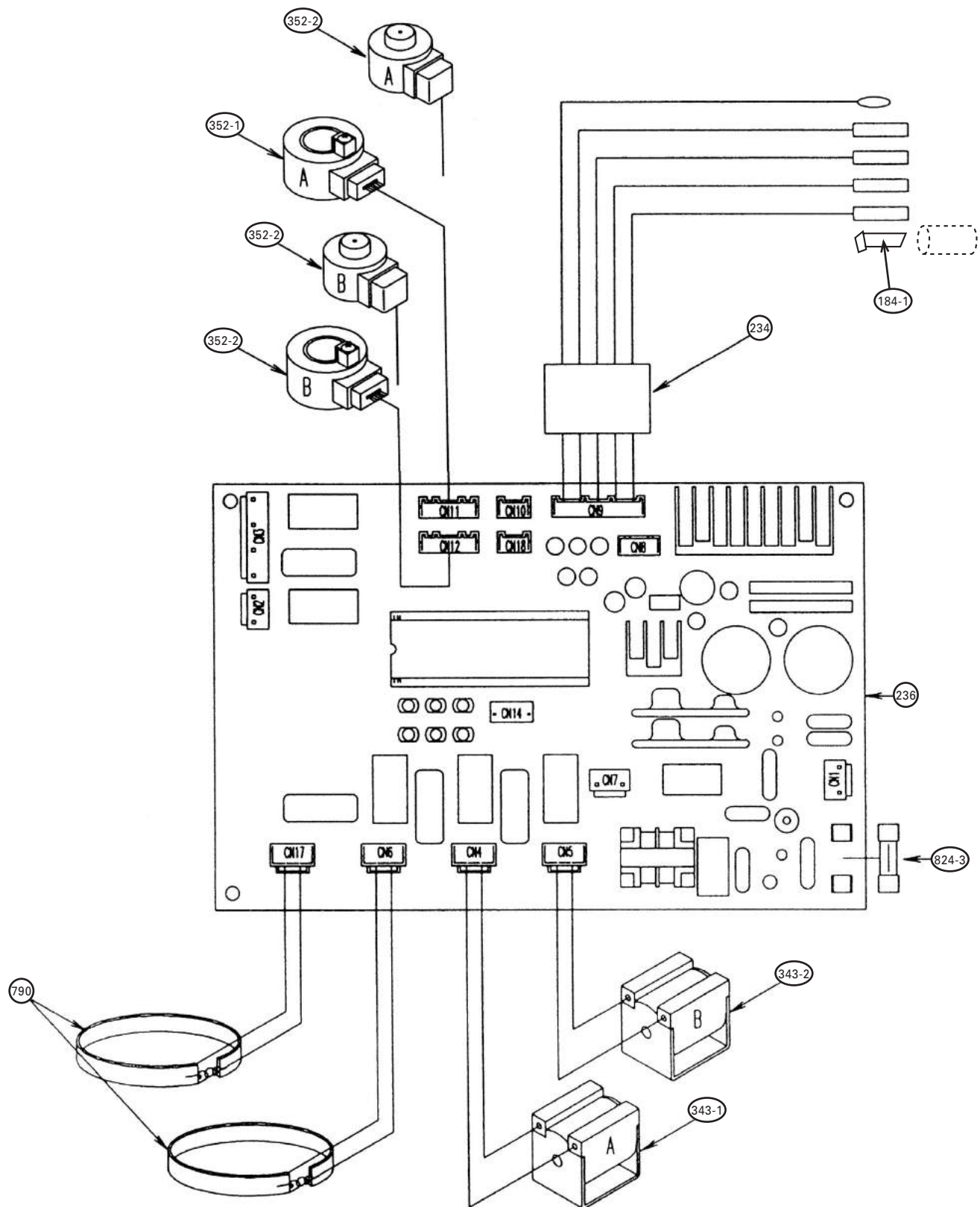
Models : AO □ 20RMBM2  
AO □ 24RMAM2



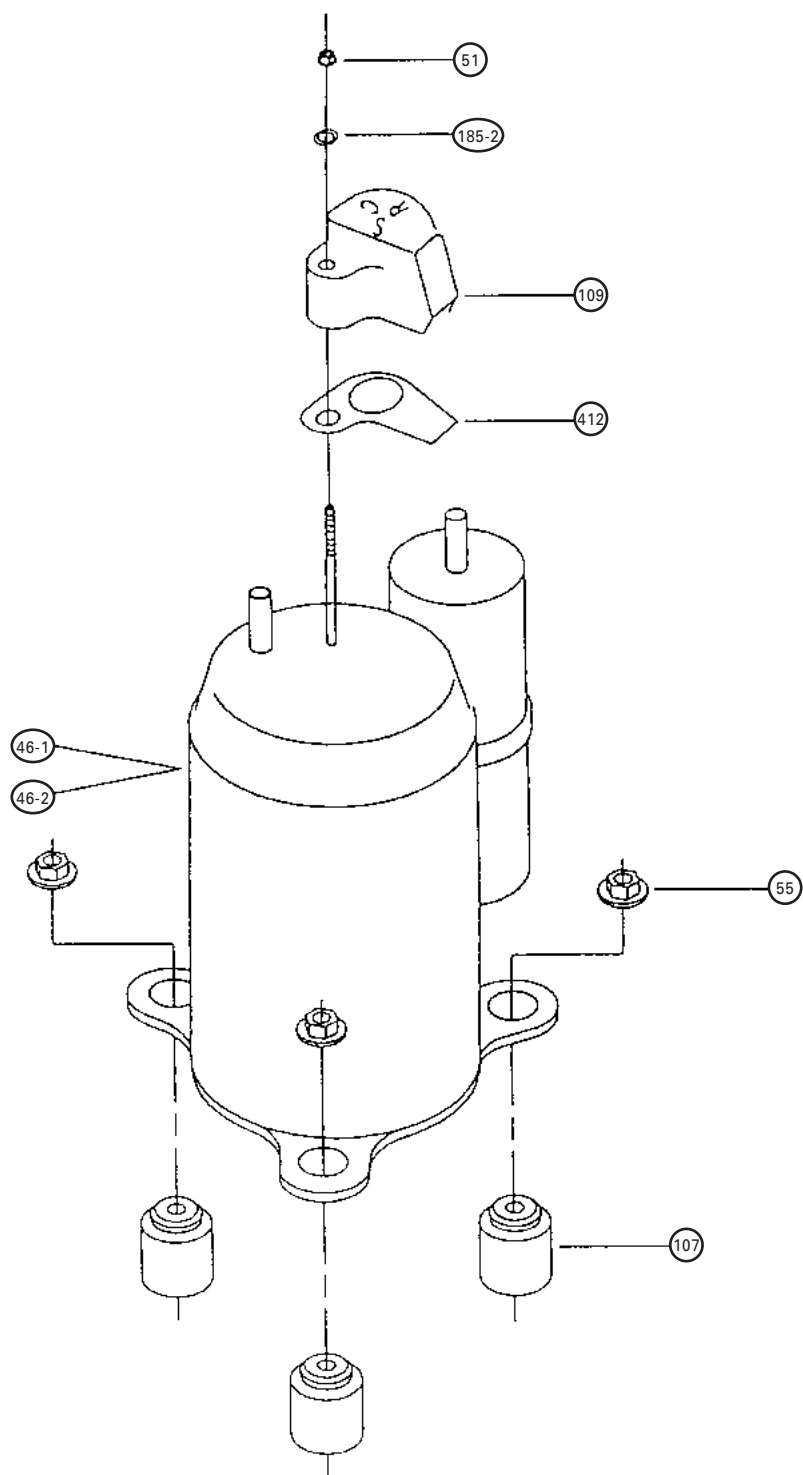
Models : AO □ 20RMBM2  
 AO □ 24RMAM2



Models : AO □ 20RMBM2  
 AO □ 24RMAM2



Models : AO □ 20RMBM2  
AO □ 24RMAM2



# PARTS LIST

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

## INDOOR UNIT [ASY12RMACW, ASY7RMACW, ASH12RMACW, ASH7RMACW]

| Ref.<br>No. | Description                | Part No.     |              |              |              | Ord. |
|-------------|----------------------------|--------------|--------------|--------------|--------------|------|
|             |                            | ASY12RMACW   | ASY7RMACW    | ASH12RMACW   | ASH7RMACW    | Q'ty |
| 28          | Blower Cover               | —            | 9306462000   | —            | 9306462000   |      |
| 63          | Front Panel Assy           | 9305656097   | 9305656097   | 9305656066   | 9305656066   |      |
| 65          | Flow Control Panel         | 9305443017   | 9305443017   | 9305443017   | 9305443017   |      |
| 69          | Louver-A                   | 9305415014   | 9305415014   | 9305415014   | 9305415014   |      |
| 74          | Filter                     | 9305444014   | 9305444014   | 9305444014   | 9305444014   |      |
| 108         | Base                       | 9309755017   | 9309755017   | 9309755017   | 9309755017   |      |
| 109         | Casing                     | 9305411016   | 9305411016   | 9305411016   | 9305411016   |      |
| 109         | Casing Assy                | 9357736068   | 9357736068   | 9357736068   | 9357736068   |      |
| 122         | Shaft Holder-B             | 9303066010   | 9303066010   | 9303066010   | 9303066010   |      |
| 127         | Drain Hose Assy            | 9305550029   | 9305550029   | 9305550029   | 9305550029   |      |
| 146         | Evaporator Assy            | 9308555014   | 9362971003   | 9308555014   | 9362971003   |      |
| 151         | Control Box                | 9305448036   | 9305448036   | 9305448036   | 9305448036   |      |
| 158         | Connecting Pipe Assy       | 9307073007   | 9357750002   | 9307073007   | 9357750002   |      |
| 164         | Fan Motor Assy-In          | 9600917015   | 9600917015   | 9600917015   | 9600917015   |      |
| 169         | Crossflow Fan Assy         | 9307836015   | 9307836015   | 9307836015   | 9307836015   |      |
| 178         | Motor Cushion-B            | 9306274009   | 9306274009   | 9306274009   | 9306274009   |      |
| 184         | Thermostat Spring          | 313104262701 | 313104262701 | 313104262701 | 313104262701 |      |
| 185         | Wire Clamp                 | 9305940004   | 9305940004   | 9305940004   | 9305940004   |      |
| 195         | Clamp SKB-100              | 313361275805 | 313361275805 | 313361275805 | 313361275805 |      |
| 196-2       | Clamp SKB-150              | 313035356905 | 313035356905 | 313035356905 | 313035356905 |      |
| 233         | Power Transformer          | 9702015022   | 9702015022   | 9702015022   | 9702015022   |      |
| 236         | Controller PCB Assy        | 9702342029   | 9702342029   | 9702342029   | 9702342029   |      |
| 240         | Remote Control Unit        | 9307113055   | 9307113055   | 9307113055   | 9307113055   |      |
| 281         | Clamp Metal (Pipe)         | 9306192006   | 9306192006   | 9306192006   | 9306192006   |      |
| 282         | Wall Cap-B (Accessory)     | 313714296205 | 313714296205 | 313714296205 | 313714296205 |      |
| 323         | Louver-B                   | 9305597017   | 9305597017   | 9305597017   | 9305597017   |      |
| 385         | Indicator PCB Assy         | 9701364213   | 9701364213   | 9701364213   | 9701364213   |      |
| 401         | Wall Hock Bracket          | 9304358008   | 9304358008   | 9304358008   | 9304358008   |      |
| 440         | Flow Control Panel-U       | 9306173036   | 9306173036   | 9306173012   | 9306173012   |      |
| 652-1       | Thermistor Holder Pipe     | 313714262805 | 313714262805 | 313714262805 | 313714262805 |      |
| 687         | Earth Terminal             | 9306483005   | 9306483005   | 9306483005   | 9306483005   |      |
| 743         | Remote Control Holder Case | 9305642014   | 9305642014   | 9305642014   | 9305642014   |      |
| 759         | Intake Grille              | 9305995028   | 9305995028   | 9305441044   | 9305441044   |      |
| 761         | Side Cover-R               | 9305996025   | 9305996025   | 9305996018   | 9305996018   |      |
| 762         | Side Cover-L               | 9305437054   | 9305437054   | 9305437047   | 9305437047   |      |
| 764         | Drain Cap Assy             | 9304150008   | 9304150008   | 9304150008   | 9304150008   |      |
| 767-1       | Bottom Cover-A             | 9309801011   | 9309801011   | 9309801011   | 9309801011   |      |
| 767-2       | Bottom Cover-B             | 9309802018   | 9309802018   | 9309802018   | 9309802018   |      |
| 780         | Key Top (Slide Switch)     | 9303526002   | 9303526002   | 9303526002   | 9303526002   |      |
| 815         | Terminal-3P                | 9701955046   | 9701955046   | 9701955046   | 9701955046   |      |
| 850         | Window (Receiver)          | 9305439010   | 9305439010   | 9305439010   | 9305439010   |      |
| 872         | Indicator Case             | 9305978014   | 9305978014   | 9305978014   | 9305978014   |      |
| 873         | Lamp Cover                 | 9305451012   | 9305451012   | 9305451012   | 9305451012   |      |
| 874         | Control Box Cover          | 9305977017   | 9305977017   | 9305977017   | 9305977017   |      |
| 875         | Power Supply PCB Assy      | 9702704025   | 9702704025   | 9702704025   | 9702704025   |      |
| 876-1       | Step Motor                 | 9900030018   | 9900030018   | 9900030018   | 9900030018   |      |
| 932         | Outlet Cover               | 9305414017   | 9305414017   | 9305414017   | 9305414017   |      |
| 960         | Diffuser Assy              | 9306013011   | 9306013011   | 9306013011   | 9306013011   |      |
| 961         | Guard Clamp                | 9306332013   | 9306332013   | 9306332013   | 9306332013   |      |
| 962-1       | Guard Holder-L             | 9305753017   | 9305753017   | 9305753017   | 9305753017   |      |
| 962-2       | Guard Holder-R             | 9305752010   | 9305752010   | 9305752010   | 9305752010   |      |
| 963         | Fan Guard                  | 9305751013   | 9305751013   | 9305751013   | 9305751013   |      |
| 973         | Gear Assy (w/Step Motor)   | 9310820018   | 9310820018   | 9310820018   | 9310820018   |      |
| 974         | Joint (Louver)             | 9305416011   | 9305416011   | 9305416011   | 9305416011   |      |
| 976         | Window (Indicator)         | 9305440016   | 9305440016   | 9305440016   | 9305440016   |      |

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**INDOOR UNIT [AU □ 12RMA]**

| Ref. No. | Description              | Part No.     | Order Q'ty | Ref. No. | Description                | Part No.     | Order Q'ty |
|----------|--------------------------|--------------|------------|----------|----------------------------|--------------|------------|
| 64       | Capacitor (Fan Motor)    | 9704305046   |            | 467      | Drain Port                 | 313005415658 |            |
| 67       | Rubber (Vibration-proof) | 9361279001   |            | 468      | Special Nut-A (Large)      | 313005446653 |            |
| 117-3    | Special Washer M6        | 313306391007 |            | 469      | Special Nut-B (Small)      | 313005446759 |            |
| 127      | Drain Hose               | 9359659013   |            | 470      | Separate Wall-B            | 9359648000   |            |
| 138      | Special Wall-A           | 9359647003   |            | 474      | Turbo Fan                  | 9359658009   |            |
| 146      | Evaporator Assy          | 9360009012   |            | 475      | Turbo Fan Rubber           | 313005445054 |            |
| 147      | Inlet Pipe (Eva. ) Assy  | 9360010018   |            | 476-1    | Special Nut M8             | 313005360755 |            |
| 160      | Drain Pan                | 9359651000   |            | 476-2    | Special Washer             | 301801185049 |            |
| 164      | Fan Motor Assy-In        | 9601040019   |            | 476-3    | Special Washer             | 9359954002   |            |
| 184-1    | Thermo. Spring-A         | 313728262708 |            | 478      | Sensor M. Bracket          | 9359654001   |            |
| 185      | Rubber Bushing           | 313005066051 |            | 479      | Float Switch               | 313005416154 |            |
| 187      | Clamp No. 1219           | 313361271706 |            | 482      | Pump Unit                  | 9359974000   |            |
| 223      | Control Box              | 9359661016   |            | 484      | Hanger Metal               | 9359644002   |            |
| 232      | Outlet Pipe (Eva. ) Assy | 9360011015   |            | 488      | Drain Pan Plug             | 9359653004   |            |
| 234      | Thermistor Assy-Room     | 9703299032   |            | 495      | Clamp No. 2U46             | 9352715006   |            |
| 235      | Thermistor Assy-Pipe     | 9703297014   |            | 514      | Control Box Cover          | 9359662006   |            |
| 236      | Controller PCB Assy      | 9703019012   |            | 628      | Locking Spacer-B           | 313005446558 |            |
| 240      | Remote Control Unit      | 9359913030   |            | 652-1    | Thermistor Holder Pipe     | 313806262805 |            |
| 244      | Pipe Cover               | 9359646006   |            | 743      | Remote Control Holder Case | 9359955016   |            |
| 287      | Cap (Power)              | 9352173011   |            | 797      | Separate Wall-C            | 9359649007   |            |
| 301      | Clamp NK-2N              | 313985355201 |            | 798      | Pump Hook Bracket          | 9359650003   |            |
| 313      | Hooking Wire             | 9359983002   |            | 815      | Terminal-3P                | 9358660027   |            |
| 338      | Motor Fixture            | 9359656005   |            | 824-3    | Fuse                       | 0600222512   |            |
| 381      | Locking Spacer           | 313209391506 |            | 834      | Wire Cover                 | 9359878001   |            |
| 395      | Supporter (Eva. )        | 9359669005   |            | 835      | Cushion-A (For Pump)       | 9352211003   |            |
| 399      | Air Duct                 | 9359660002   |            | 836      | Cushion-B (For Pump)       | 9356084016   |            |
| 411      | Supporter-A              | 9359655008   |            | 875      | Filter PCB Assy            | 9702219017   |            |
| 430      | Clamp NK-7N              | 313095365602 |            | 964      | Flare Nut-A                | 313996239804 |            |
| 457      | Drain Pan Support        | 9359652007   |            | 965      | Flare Nut-B                | 9351062019   |            |
| 462      | Top Cover Plate          | 9359642015   |            | 967-2    | Bonnet-B                   | 9301858006   |            |
| 464      | Body-A                   | 9359643005   |            | 989-1    | Cord Clamp-A               | 9359822011   |            |
| 465      | Body-B                   | 9359645009   |            | 989-2    | Cord Clamp-B               | 9359823018   |            |

**GRILLE ASSY**

| Ref. No. | Description          | Part No.               |                        | Ord. Q'ty | Ref. No. | Description        | Part No.               |                        | Ord. Q'ty |
|----------|----------------------|------------------------|------------------------|-----------|----------|--------------------|------------------------|------------------------|-----------|
|          |                      | AUY12RMA<br>UTG-UDYA-W | AUG12RMA<br>UTG-UDGA-W |           |          |                    | AUY12RMA<br>UTG-UDYA-W | AUG12RMA<br>UTG-UDGA-W |           |
| 93       | Filter               | 9359632009             | 9359632009             |           | 694      | Cam Gear           | 9359628002             | 9359628002             |           |
| 165      | Motor Cover          | 9359623014             | 9359623014             |           | 700      | Panel              | 9359619017             | 9359619017             |           |
| 196      | Clamp SKB-150        | 313035356905           | 313035356905           |           | 705      | Louver             | 9359624011             | 9359624011             |           |
| 226      | Motor Gear           | 9359629009             | 9359629009             |           | 710      | Intake Grille      | 9359631019             | 9359631019             |           |
| 385      | Indicator PCB Assy   | 9702224011             | 9702224011             |           | 711-1    | Filter Clamp-A     | 9359634003             | 9359634003             |           |
| 392      | Cover-A              | 9359622017             | 9359622017             |           | 711-2    | Filter Clamp-B     | 9359635000             | 9359635000             |           |
| 416      | Insulation (Panel)-A | 9359620006             | 9359620006             |           | 758      | Decoration Plate-A | 9360039019             | 9360039026             |           |
| 417      | Insulation (Panel)-B | 9359621003             | 9359621003             |           | 763      | Receiver Cover     | 9359630005             | 9359630005             |           |
| 690      | Joint-A              | 9359626008             | 9359626008             |           | 776      | Grille Stopper     | 9359633013             | 9359633013             |           |
| 691      | Joint-B              | 9359627005             | 9359627005             |           | 777      | Grille Hook        | 9359761006             | 9359761006             |           |
| 692      | Joint Shaft          | 9359625001             | 9359625001             |           | 876-2    | Step Motor         | 9360307019             | 9360307019             |           |

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**OUTDOOR UNIT [AO □ 20RMBM2]**

| Ref. No. | Description                 | Part No.     | Order Q'ty | Ref. No. | Description                  | Part No.     | Order Q'ty |
|----------|-----------------------------|--------------|------------|----------|------------------------------|--------------|------------|
| 2        | Fan Cover                   | 9359808015   |            | 210      | Main Relay                   | 9356781007   |            |
| 4        | Emblem "FUJITSU"            | 9359836018   |            | 233      | Power Transformer            | 9701156016   |            |
| 4        | Emblem "GENERAL"            | 313791088308 |            | 234      | Thermistor Assy              | 9900123017   |            |
| 5        | Cabinet-A, Painted          | 9359797043   |            | 236      | Controller PCB Assy          | 9702766016   |            |
| 6        | Cabinet-C, Painted          | 9359825029   |            | 328      | Compressor Plate Assy        | 9359830016   |            |
| 9        | Cabinet-B, Painted          | 9359824022   |            | 343-1    | Solenoid Coil-A              | 9970023033   |            |
| 12       | Base Assy, Painted          | 9359813019   |            | 343-2    | Solenoid Coil-B              | 9970023026   |            |
| 13-1     | 3-Way Valve                 | 9360946003   |            | 344-2    | 4-Way Valve                  | 9970010019   |            |
| 13-2     | 3-Way Valve                 | 9360945006   |            | 352-1    | Expansion Coil-A             | 9970021015   |            |
| 14-2     | 2-Way Valve                 | 9361510005   |            | 352-2    | Expansion Coil-B             | 9970021022   |            |
| 15       | Dryer Assy                  | 313523082505 |            | 401      | Terminal-2P                  | 9701971015   |            |
| 16       | Condenser Assy              | 9361459007   |            | 412      | Terminal Gasket (For Comp. ) | 9358077009   |            |
| 18-1     | Suction Pipe-A1             | 9363561005   |            | 450-2    | Discharge Pipe-A1 Assy       | 9363557008   |            |
| 18-2     | Suction Pipe-A2             | 9363562002   |            | 450-3    | Discharge Pipe-B1 Assy       | 9363563009   |            |
| 26       | Compressor Cover            | 9363532005   |            | 477      | Bellmouth                    | 9359809012   |            |
| 29       | Separate Wall               | 9359805014   |            | 527      | Protective Net               | 9359845010   |            |
| 32-4     | Control Box Metal-D         | 9361247000   |            | 646      | Compressor Cover             | 9363533002   |            |
| 32-5     | Control Box Metal-E         | 9361248007   |            | 653-1    | Bolt (Fan Motor Fixing)      | 0700156014   |            |
| 32-6     | Control Box Metal-F         | 9361249004   |            | 678      | Bracket (Thermistor)         | 313557406106 |            |
| 34       | Capacitor (Fan Motor)       | 9703306051   |            | 734      | Top Plate, Painted           | 9359799023   |            |
| 37-1     | Running Capacitor           | 9704436139   |            | 790      | Belt Heater                  | 9361140141   |            |
| 37-2     | Running Capacitor           | 9704436016   |            | 812      | Grip                         | 9352157004   |            |
| 38       | Clamp Metal (Capacitor)     | 9352123009   |            | 815-1    | Terminal-3P                  | 9358660027   |            |
| 39       | Propeller Fan               | 9359837015   |            | 815-3    | Terminal-8P                  | 9358660119   |            |
| 41       | Fan Motor Induction-Out     | 9600832011   |            | 823-2    | Fuse Holder                  | 0500063024   |            |
| 45-1     | Motor Bracket               | 9359802013   |            | 824-3    | Fuse (3.15A-250V)            | 0600222512   |            |
| 45-2     | Motor Bracket-Top           | 9359803010   |            | 824-4    | Fuse (5A-250V)               | 0600222529   |            |
| 45-3     | Motor Bracket-A             | 9369627002   |            | 825      | Expansion Valve              | 9970020018   |            |
| 45-4     | Motor Bracket-B             | 9371439013   |            | 825-1    | Expansion Valve-A Assy       | 9360921041   |            |
| 45-5     | Motor Bracket-C             | 9369629006   |            | 825-2    | Expansion Valve-B Assy       | 9360822048   |            |
| 45-6     | Motor Bracket-D             | 9369630002   |            | 827      | Capillary-A Assy             | 9360814029   |            |
| 46-1     | Compressor Assy             | 9361463004   |            | 828      | Capillary-B Assy             | 9360815026   |            |
| 46-2     | Compressor Assy             | 9361462007   |            | 829-2    | Joint Pipe-A2                | 9363535006   |            |
| 51       | Special Nut (For Comp. )    | 9358079003   |            | 829-5    | Joint Pipe-A5                | 9361484009   |            |
| 55       | Special Nut M8 (For Comp. ) | 9355091008   |            | 830-2    | Joint Pipe-B2                | 9363536003   |            |
| 64       | Cabinet-Left, Painted       | 9359840046   |            | 830-5    | Joint Pipe-B5                | 9362549003   |            |
| 84       | Valve Cover                 | 9359834014   |            | 838-1    | Inlet Pipe-A Assy            | 9360832029   |            |
| 85       | Valve Plate Assy, Painted   | 9361251021   |            | 838-2    | Inlet Pipe-A1                | 9363559002   |            |
| 107      | Rubber Seat (For Comp. )    | 9358080009   |            | 840-1    | Inlet Pipe-B Assy            | 9360833037   |            |
| 109      | Terminal Cover (For Comp. ) | 9358076002   |            | 840-2    | Inlet Pipe-B1                | 9363566000   |            |
| 117-3    | Hex. Nut                    | 301721180114 |            | 982-1    | Cord Clamp                   | 9356857009   |            |
| 149      | Water Seal Plate            | 9359841029   |            | 982-2    | Cord Clamp-B                 | 9356858006   |            |
| 165      | Surge Absorber              | 9702968014   |            | 990-1    | Connecting Pipe-A1           | 9363560008   |            |
| 184-1    | Thermo. Spring-A            | 313728262708 |            | 990-2    | Connecting Pipe-A2           | 9363550009   |            |
| 185      | Rubber Bushing              | 313005066051 |            | 991-1    | Connecting Pipe-B1           | 9363567007   |            |
| 185-2    | Rubber Washer (For Comp. )  | 9358078006   |            | 991-2    | Connecting Pipe-B2           | 9371418056   |            |
| 187      | Clamp No. 1219              | 313361271706 |            |          |                              |              |            |

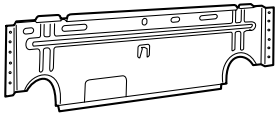
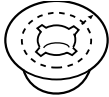
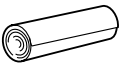
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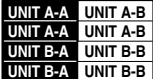
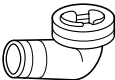
| Ref. No. | Description                 | Part No.     | Order Q'ty | Ref. No. | Description                  | Part No.     | Order Q'ty |
|----------|-----------------------------|--------------|------------|----------|------------------------------|--------------|------------|
| 2        | Fan Cover                   | 9359808015   |            | 187      | Clamp No. 1219               | 313361271706 |            |
| 4        | Emblem "FUJITSU"            | 9359836018   |            | 210      | Main Relay                   | 9356781007   |            |
| 4        | Emblem "GENERAL"            | 313791088308 |            | 233      | Power Transformer            | 9701156016   |            |
| 5        | Cabinet-A, Painted          | 9359797043   |            | 234      | Thermistor Assy              | 9900123017   |            |
| 6        | Cabinet-C, Painted          | 9359825029   |            | 236      | Controller PCB Assy          | 9703272011   |            |
| 9        | Cabinet-B, Painted          | 9359824022   |            | 328      | Compressor Plate Assy        | 9359830016   |            |
| 12       | Base Assy, Painted          | 9359813019   |            | 343-1    | Solenoid Coil-A              | 9970023033   |            |
| 13-2     | 3-Way Valve                 | 9360946003   |            | 343-2    | Solenoid Coil-B              | 9970023026   |            |
| 14-1     | 2-Way Valve                 | 9361510005   |            | 344-2    | 4-Way Valve                  | 9970010019   |            |
| 15       | Dryer Assy                  | 313523082505 |            | 352-1    | Expansion Coil-A             | 9361514003   |            |
| 16       | Condenser Assy              | 9363534009   |            | 352-2    | Expansion Coil-B             | 9361516007   |            |
| 18-1     | Suction Pipe-A1             | 9363561005   |            | 401      | Terminal-2P                  | 9701971015   |            |
| 18-2     | Suction Pipe-A2             | 9363562002   |            | 412      | Terminal Gasket (For Comp. ) | 9358077009   |            |
| 26       | Compressor Cover            | 9363532005   |            | 450-2    | Discharge Pipe-A1 Assy       | 9363557008   |            |
| 29       | Separate Wall               | 9359805014   |            | 450-3    | Discharge Pipe-B1 Assy       | 9363563009   |            |
| 32-4     | Control Box Metal-D         | 9361247000   |            | 477      | Bellmouth                    | 9359809012   |            |
| 32-5     | Control Box Metal-E         | 9361248007   |            | 527      | Protective Net               | 9359845010   |            |
| 32-6     | Control Box Metal-F         | 9361249004   |            | 646      | Compressor Cover             | 9363533002   |            |
| 34       | Capacitor (Fan Motor)       | 9704305015   |            | 653-1    | Bolt (Fan Motor Fixing)      | 0700156014   |            |
| 37-1     | Running Capacitor           | 9704436139   |            | 678      | Bracket (Thermistor)         | 313557406106 |            |
| 37-2     | Running Capacitor           | 9704436139   |            | 734      | Top Plate, Painted           | 9359799023   |            |
| 38       | Clamp Metal (Capacitor)     | 9352123009   |            | 790      | Belt Heater                  | 9361140141   |            |
| 39       | Propeller Fan               | 9359837015   |            | 812      | Grip                         | 9352157004   |            |
| 41       | Fan Motor Induction-Out     | 9600832011   |            | 815-1    | Terminal-3P                  | 9358660027   |            |
| 45-1     | Motor Bracket               | 9359802013   |            | 815-3    | Terminal-8P                  | 9358660119   |            |
| 45-2     | Motor Bracket-Top           | 9359803010   |            | 823-2    | Fuse Holder                  | 0500063024   |            |
| 45-3     | Motor Bracket-A             | 9369627002   |            | 824-4    | Fuse (5A-250V)               | 0600222529   |            |
| 45-4     | Motor Bracket-B             | 9371439013   |            | 825-1    | Expansion Valve-A Assy       | 9360821027   |            |
| 45-5     | Motor Bracket-C             | 9369629006   |            | 825-2    | Expansion Valve-B Assy       | 9360822024   |            |
| 45-6     | Motor Bracket-D             | 9369630002   |            | 827      | Capillary-A Assy             | 9360814050   |            |
| 46-1     | Compressor Assy             | 9361463004   |            | 829-2    | Joint Pipe-A2                | 9363535006   |            |
| 46-2     | Compressor Assy             | 9361463004   |            | 829-5    | Joint Pipe-A5                | 9361484009   |            |
| 51       | Special Nut (For Comp. )    | 9358079003   |            | 830-2    | Joint Pipe-B2                | 9363536003   |            |
| 55       | Special Nut M8 (For Comp. ) | 9355091008   |            | 830-5    | Joint Pipe-B5                | 9362549003   |            |
| 64       | Cabinet-Left, Painted       | 9359840046   |            | 838-1    | Inlet Pipe-A Assy            | 9360832016   |            |
| 84       | Valve Cover                 | 9359834014   |            | 838-2    | Inlet Pipe-A1                | 9363559002   |            |
| 85       | Valve Plate Assy, Painted   | 9361251021   |            | 840-1    | Inlet Pipe-B Assy            | 9360833013   |            |
| 107      | Rubber Seat (For Comp. )    | 9358080009   |            | 840-2    | Inlet Pipe-B1                | 9363566000   |            |
| 109      | Terminal Cover (For Comp. ) | 9358076002   |            | 982-1    | Cord Clamp                   | 9356857009   |            |
| 117-3    | Hex. Nut                    | 301721180114 |            | 982-2    | Cord Clamp-B                 | 9356858006   |            |
| 149      | Water Seal Plate            | 9359841029   |            | 990-1    | Connecting Pipe-A1           | 9363560008   |            |
| 165      | Surge Absorber              | 9702968014   |            | 990-2    | Connecting Pipe-A2           | 9363550009   |            |
| 184-1    | Thermo. Spring-A            | 313728262708 |            | 991-1    | Connecting Pipe-B1           | 9363567007   |            |
| 185      | Rubber Bushing              | 313005066051 |            | 991-2    | Connecting Pipe-B2           | 9363551006   |            |
| 185-2    | Rubber Washer (For Comp. )  | 9358078006   |            |          |                              |              |            |

## STANDARD ACCESSORIES

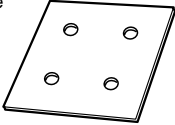
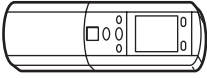
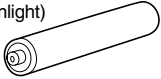
### INDOOR UNIT ACCESSORIES (Wall Mounted type)

| Name and Shape                                                                                                            | Q'ty  | Part No.                                |
|---------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------|
| Wall hook bracket<br>                    | 1     | 9304358008                              |
| Wall cap-B<br>                           | 1     | 313714296205                            |
| Remote control unit<br>                  | 1     | 12R, 7R model<br>9307113055<br>(AR-DB5) |
| Battery (penlight)<br>                   | 1 set | 0600185534                              |
| Remote control unit holder<br>          | 1     | 9305642014                              |
| Cloth tape<br>                         | 1     | 9308117007                              |
| Tapping screw (big)<br>(ø4 x 20)<br>   | 8     | 301141164200                            |
| Tapping screw (small)<br>(ø3 x 12)<br> | 2     | 0700019036                              |

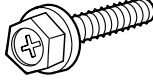
### OUTDOOR UNIT ACCESSORIES

| Name and Shape                                                                                        | Q'ty | Part No.     |
|-------------------------------------------------------------------------------------------------------|------|--------------|
| Cable mark<br>     | 1    | 9352786006   |
| Binder<br>         | 2    | 312300787605 |
| Putty<br>          | 1    | 303020200114 |
| Hexagon wrench<br> | 1    | 9351228019   |
| Drain pipe<br>     | 1    | 9303029015   |
| Drain cap<br>      | 2    | 313166024302 |

### INDOOR UNIT ACCESSORIES (Cassette type)

| Name and Shape                                                                                                       | Q'ty  | Part No.               |
|----------------------------------------------------------------------------------------------------------------------|-------|------------------------|
| Coupler heat insulation<br>         | 2     | 9350716029             |
|                                                                                                                      |       | 9352766015             |
| Special nut A<br>(large flange)<br> | 4     | 313005446653           |
| Special nut B<br>(small flange)<br> | 4     | 313005446759           |
| Template<br>                        | 1     | 9360256003             |
| Remote control unit<br>             | 1     | 9359913030<br>(AR-DL3) |
| Battery (penlight)<br>            | 2 set | 0600185534             |
| Remote control unit holder<br>    | 1     | 9359955016             |
| Tapping screw<br>(ø3 x 12)<br>    | 3     | 301141533125           |

### GRILLE ASSY ACCESSORIES

| Name and Shape                                                                                                    | Q'ty | Part No.     |
|-------------------------------------------------------------------------------------------------------------------|------|--------------|
| Bolt<br>                       | 4    | 9360120021   |
| Washer<br>                     | 4    | 301801155020 |
| Spring washer<br>              | 4    | 301821150218 |
| Blower cover<br>insulation<br> | 2    | 9360047007   |

