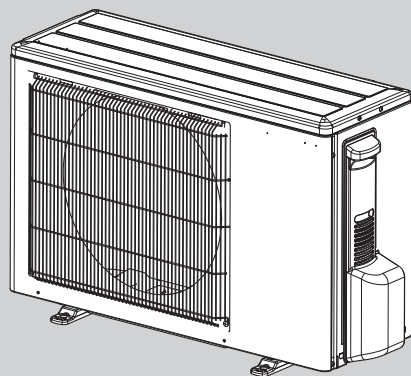


## OUTDOOR UNIT

# PARTS CATALOG


**No. OBB817**  
REVISED EDITION-C

### Models

**MUY-TP35VF** - **E1**, **ET1**, **ER1**, **E2**
**MUY-TP50VF** - **E1**, **ET1**, **ER1**, **E2**
**MUY-TP35VF2** - **E1**
**MUY-TP50VF2** - **E1**


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**SERVICE MANUAL (OBH817)**

### Revision A:

- Some descriptions have been modified.

### Revision B:

- MUY-TP35/50VF - [E1], [E2] have been added.

### Revision C:

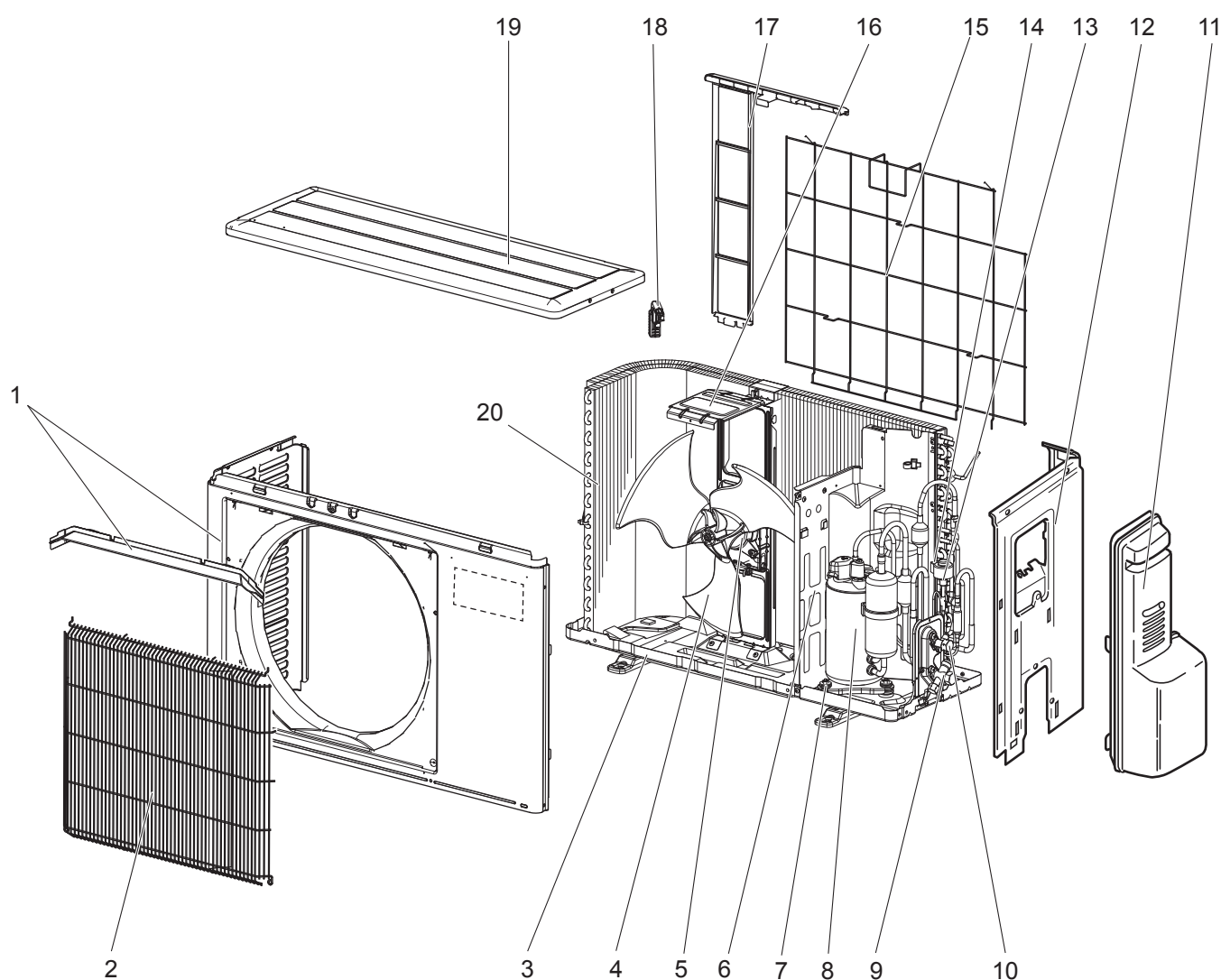
- MUY-TP35/50VF2 - [E1] have been added.

## 1

## SERVICE PARTS LIST

MUY-TP35VF - [E1], [ET1] MUY-TP50VF - [E1], [ET1]

### 1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



## 1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

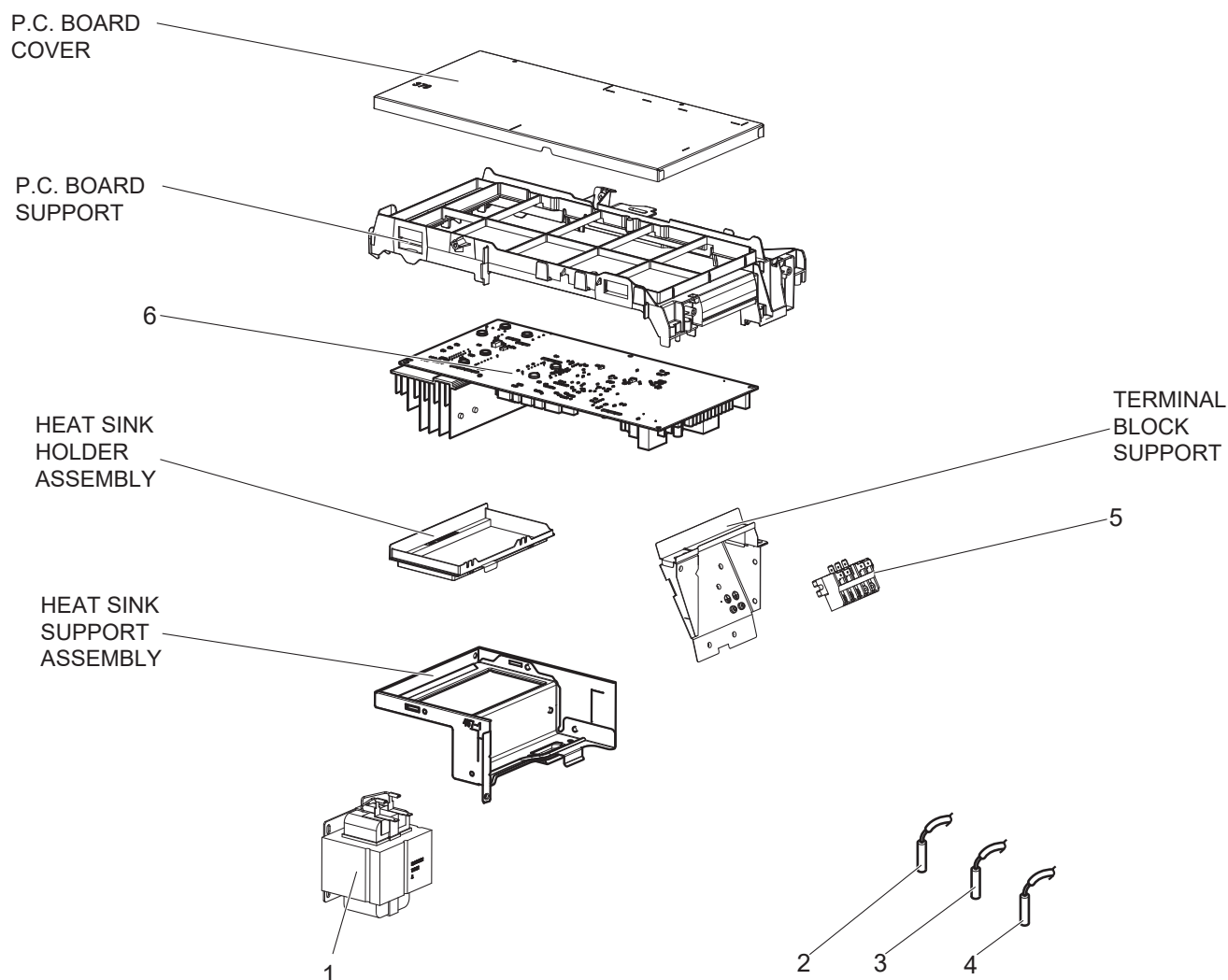
1. The part quantity below indicates the required number of pieces per unit.

2. The circled No. indicates that the part is not shown in the figure.

| No. | Part No.    | Part Name                    | MUY-TP35VF -  | MUY-TP35VF -  | MUY-TP50VF -  | MUY-TP50VF -  | Symbol in Wiring Diagram | Remarks                       |
|-----|-------------|------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 1   | E22 J63 232 | CABINET                      | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          | Includes ice guard            |
| 2   | E22 Y84 521 | GRILLE OUT                   | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 3   | E22 44P 290 | BASE ASSEMBLY                | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 4   | E22 95B 501 | PROPELLER FAN                | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 5   | E22 97B 301 | OUTDOOR FAN MOTOR            | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                | MF                       | RC0J50-□□                     |
| 6   | E22 M11 293 | SEPARATOR                    | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 7   | E22 C34 506 | COMPRESSOR RUBBER SET        | 3                                                                                              | 3                                                                                              | 3                                                                                              | 3                                                                                                |                          | 3 RUBBERS/SET                 |
| 8   | E22 R83 900 | COMPRESSOR                   | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                | MC                       | SVB130FBBMT                   |
| 9   | E22 14A 661 | STOP VALVE ASSEMBLY (GAS)    | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          | ø9.52                         |
| 10  | E22 14F 662 | STOP VALVE ASSEMBLY (LIQUID) | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          | ø6.35                         |
| 11  | E22 M09 245 | SERVICE PANEL ASSEMBLY       | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 12  | E22 G15 233 | BACK PANEL ASSEMBLY          | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          | Not including SPEC NAME PLATE |
| 13  | E22 Y84 640 | EXPANSION VALVE ASSEMBLY     | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 14  | E22 G10 493 | EXPANSION VALVE COIL         | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                | LEV                      |                               |
| 15  | E22 930 525 | CONDENSER WIRE NET           | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 16  | E22 14F 515 | MOTOR SUPPORT                | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 17  | E22 930 523 | CONDENSER NET                | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 18  | E22 M09 079 | THERMO HOLDER (AMBIENT)      | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          | SG02D694H02                   |
| 19  | E22 M09 297 | TOP PANEL ASSEMBLY           | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| 20  | E22 14F 630 | OUTDOOR HEAT EXCHANGER       | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          |                               |
| ⑳   | E22 67X 936 | CAPILLARY TUBE               | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          | ø4.0×ø2.4×240                 |
| ㉑   | E22 527 936 | CAPILLARY TUBE               | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                |                          | ø4.0×ø2.4×100                 |

**MUY-TP35VF - [E1], [ET1] MUY-TP50VF - [E1], [ET1]**

**1-2. OUTDOOR UNIT ELECTRICAL PARTS**



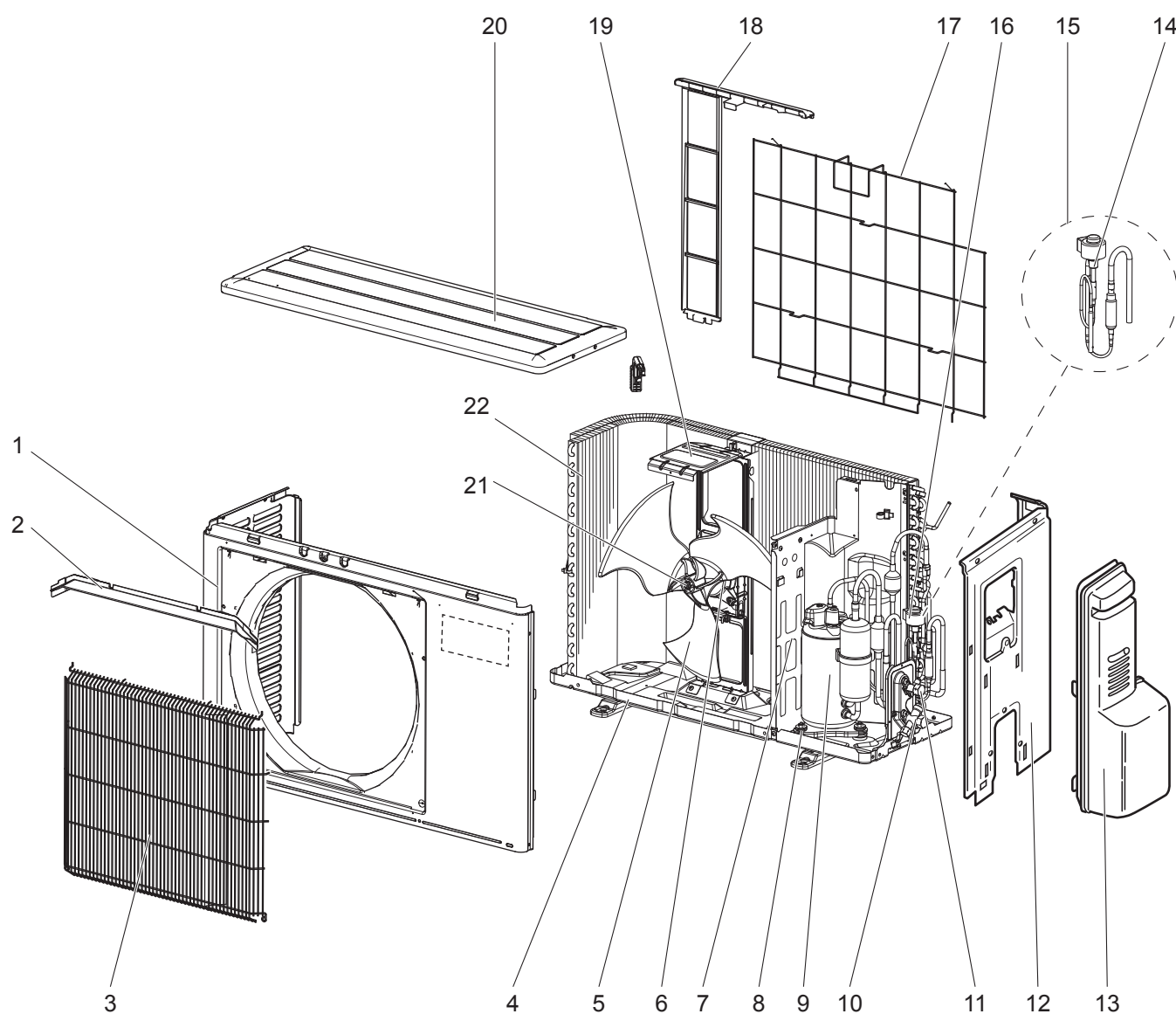
## 1-2. OUTDOOR UNIT ELECTRICAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

| No. | Part No.    | Part Name                                     | MUY-TP35VF -  | MUY-TP35VF -  | MUY-TP50VF -  | MUY-TP50VF -  | Symbol in Wiring Diagram | Remarks         |
|-----|-------------|-----------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------|-----------------|
| 1   | E22 20A 337 | REACTOR                                       | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                | L61                      |                 |
| 2   | E22 E99 306 | THERMISTOR SET                                | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                | RT62                     | DISCHARGE       |
| 3   | E22 D65 308 | AMBIENT TEMPERATURE THERMISTOR                | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                | RT65                     |                 |
| 4   | E22 14F 307 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                | RT68                     |                 |
| 5   | E22 N87 374 | TERMINAL BLOCK                                | 1                                                                                              | 1                                                                                              | 1                                                                                              | 1                                                                                                | TB1                      | 5P (S1, S2, S3) |
| 6   | E22 88P 451 | INVERTER P.C. BOARD                           | 1                                                                                              | 1                                                                                              |                                                                                                |                                                                                                  |                          |                 |
| 6   | E22 89P 451 | INVERTER P.C. BOARD                           |                                                                                                |                                                                                                | 1                                                                                              | 1                                                                                                |                          |                 |

MUY-TP35VF - [ER1], [E2] MUY-TP50VF - [ER1], [E2]

### 1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



### 1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

2. The circled No. indicates that the part is not shown in the figure.

| No. | Part No.    | Part Name                    | MUY-TP35VF - <span style="border: 1px solid black; padding: 0 2px;">E1</span> | MUY-TP35VF - <span style="border: 1px solid black; padding: 0 2px;">E2</span> | MUY-TP50VF - <span style="border: 1px solid black; padding: 0 2px;">E1</span> | MUY-TP50VF - <span style="border: 1px solid black; padding: 0 2px;">E2</span> | Symbol in Wiring Diagram | Remarks                                                           |
|-----|-------------|------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------|
| 1   | E22 J63 232 | CABINET                      | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 2   | E22 J63 531 | ICE GUARD                    | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 3   | E22 Y84 521 | GRILLE OUT                   | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 4   | E22 44P 290 | BASE ASSEMBLY                | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 5   | E22 95B 501 | PROPELLER FAN                | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 6   | E22 97B 301 | OUTDOOR FAN MOTOR            | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             | MF                       | RC0J50-□□                                                         |
| 7   | E22 M11 293 | SEPARATOR                    | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 8   | E22 C34 506 | COMPRESSOR RUBBER SET        | 3                                                                             | 3                                                                             | 3                                                                             | 3                                                                             |                          | 3 RUBBERS/SET                                                     |
| 9   | E22 46W 900 | COMPRESSOR                   | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             | MC                       | SVB130FBBMT                                                       |
| 10  | E22 14A 661 | STOP VALVE ASSEMBLY (GAS)    | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          | ø9.52                                                             |
| 11  | E22 14F 662 | STOP VALVE ASSEMBLY (LIQUID) | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          | ø6.35                                                             |
| 12  | E22 G15 233 | BACK PANEL ASSEMBLY          | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          | Not including SPEC NAME PLATE                                     |
| 13  | E22 M09 245 | SERVICE PANEL ASSEMBLY       | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 14  | E22 Y84 640 | EXPANSION VALVE              | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          | LEV body                                                          |
| 15  | E22 67X 645 | EXPANSION VALVE ASSEMBLY     | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          | Includes LEV body, capillary tubes (ø4.0×ø2.4×100, ø4.0×ø2.4×240) |
| 16  | E22 G10 493 | EXPANSION VALVE COIL         | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             | LEV                      |                                                                   |
| 17  | E22 930 525 | CONDENSER WIRE NET           | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 18  | E22 930 523 | CONDENSER NET                | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 19  | E22 14F 515 | MOTOR SUPPORT                | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 20  | E22 M09 297 | TOP PANEL ASSEMBLY           | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 21  | E27 L05 508 | PROPELLER FAN NUT            | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| 22  | E22 14F 630 | OUTDOOR HEAT EXCHANGER       | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          |                                                                   |
| ②③  | E22 67X 936 | CAPILLARY TUBE               | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          | ø4.0×ø2.4×240                                                     |
| ②④  | E22 527 936 | CAPILLARY TUBE               | 1                                                                             | 1                                                                             | 1                                                                             | 1                                                                             |                          | ø4.0×ø2.4×100                                                     |

**MUY-TP35VF - [ER1], [E2] MUY-TP50VF - [ER1], [E2]**

**1-4. OUTDOOR UNIT ELECTRICAL PARTS**

P.C. BOARD  
COVER

P.C. BOARD  
SUPPORT

7

HEAT SINK  
HOLDER  
ASSEMBLY

HEAT SINK  
SUPPORT  
ASSEMBLY

TERMINAL  
BLOCK  
SUPPORT

6

1

2

3

4

5

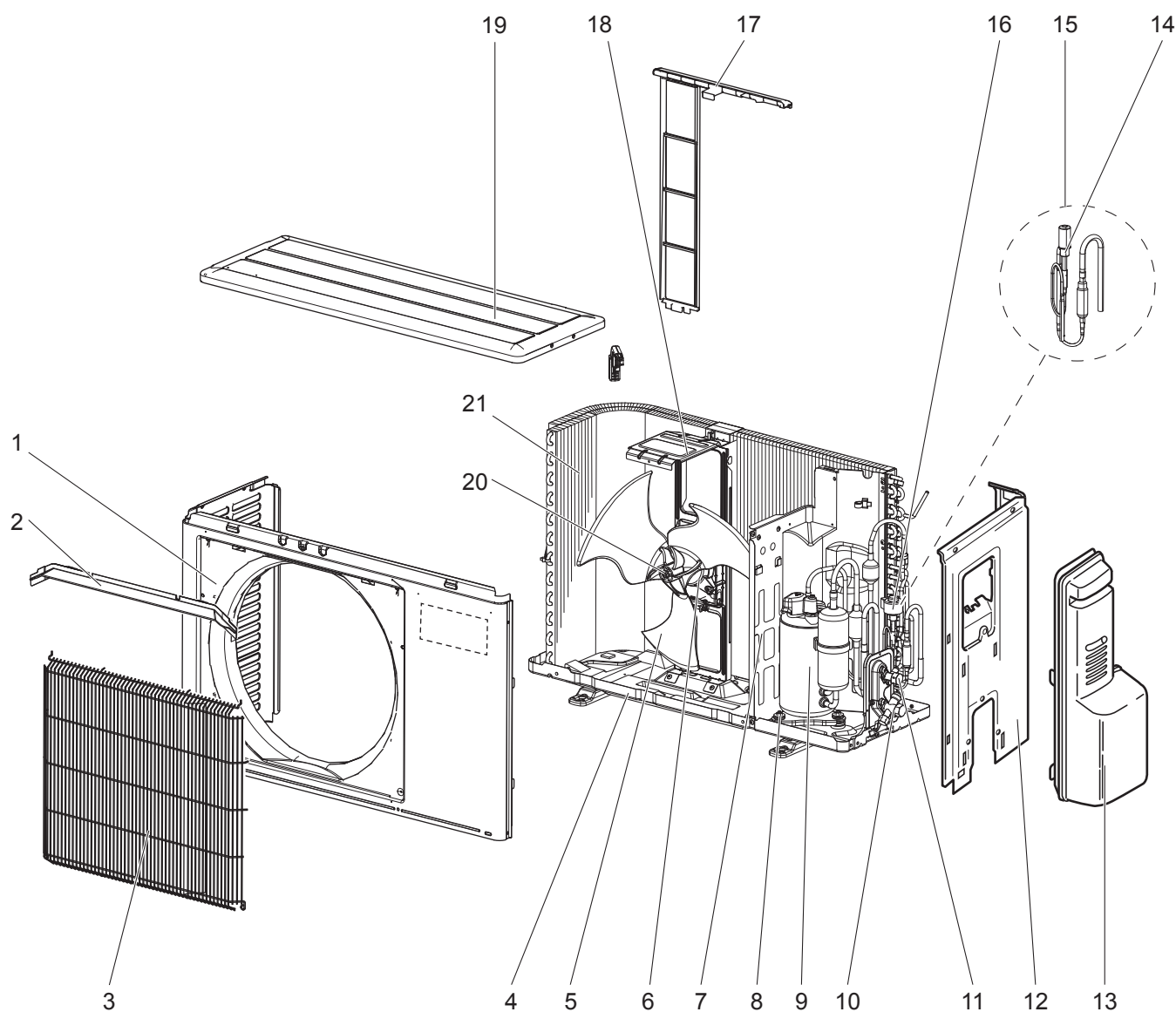
## 1-4. OUTDOOR UNIT ELECTRICAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

| No. | Part No.    | Part Name                                     | MUY-TP35VF - <input type="checkbox"/> E1 | MUY-TP35VF - <input type="checkbox"/> E2 | MUY-TP50VF - <input type="checkbox"/> E1 | MUY-TP50VF - <input type="checkbox"/> E2 | Symbol in Wiring Diagram | Remarks                     |
|-----|-------------|-----------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|--------------------------|-----------------------------|
| 1   | E22 20A 337 | REACTOR                                       | 1                                        | 1                                        | 1                                        | 1                                        | L61                      |                             |
| 2   | E22 E99 306 | DISCHARGE TEMPERATURE THERMISTOR              | 1                                        | 1                                        | 1                                        | 1                                        | RT62                     |                             |
| 3   | E22 D65 308 | AMBIENT TEMPERATURE THERMISTOR                | 1                                        | 1                                        | 1                                        | 1                                        | RT65                     |                             |
| 4   | E22 14F 307 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR | 1                                        | 1                                        | 1                                        | 1                                        | RT68                     |                             |
| 5   | E22 41X 381 | COMPRESSOR PROTECTOR                          | 1                                        | 1                                        | 1                                        | 1                                        | 26C                      |                             |
| 6   | E22 67X 374 | TERMINAL BLOCK                                | 1                                        | 1                                        | 1                                        | 1                                        | TB1                      | 5P (S1, S2, S3)             |
| 7   | E22 67X 451 | INVERTER P.C. BOARD                           | 1                                        | 1                                        |                                          |                                          |                          | Includes HEAT SINK and RT64 |
| 7   | E22 68X 451 | INVERTER P.C. BOARD                           |                                          |                                          | 1                                        | 1                                        |                          | Includes HEAT SINK and RT64 |

MUY-TP35VF2 - E1 MUY-TP50VF2 - E1

## 1-5. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



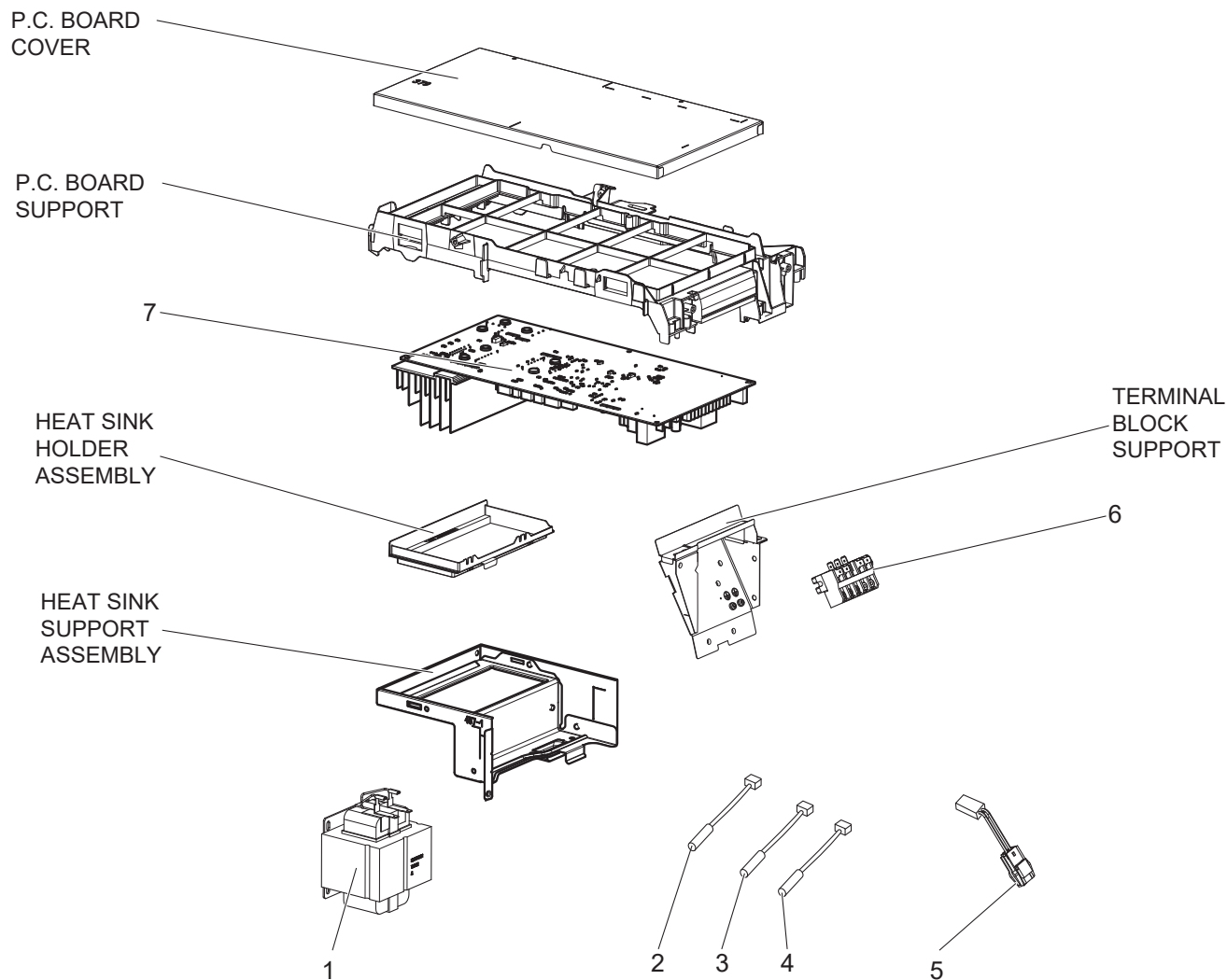
## 1-5. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

2. The circled No. indicates that the part is not shown in the figure.

| No. | Part No.    | Part Name                    | MUY-TP35VF2 -  | MUY-TP50VF2 -  | Symbol in Wiring Diagram | Remarks                                                           |
|-----|-------------|------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------|
| 1   | E22 J63 232 | CABINET                      | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 2   | E22 J63 531 | ICE GUARD                    | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 3   | E22 Y84 521 | GRILLE OUT                   | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 4   | E22 0Z5 290 | BASE ASSEMBLY                | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 5   | E22 95B 501 | PROPELLER FAN                | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 6   | E22 97B 301 | OUTDOOR FAN MOTOR            | 1                                                                                               | 1                                                                                                 | MF                       | RC0J50-□□                                                         |
| 7   | E22 M11 293 | SEPARATOR                    | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 8   | E22 C34 506 | COMPRESSOR RUBBER SET        | 3                                                                                               | 3                                                                                                 |                          | 3 RUBBERS/SET                                                     |
| 9   | E22 46W 900 | COMPRESSOR                   | 1                                                                                               | 1                                                                                                 | MC                       | SVB130FBBMT                                                       |
| 10  | E22 14A 661 | STOP VALVE ASSEMBLY (GAS)    | 1                                                                                               | 1                                                                                                 |                          | ø9.52                                                             |
| 11  | E22 14F 662 | STOP VALVE ASSEMBLY (LIQUID) | 1                                                                                               | 1                                                                                                 |                          | ø6.35                                                             |
| 12  | E22 G15 233 | BACK PANEL ASSEMBLY          | 1                                                                                               | 1                                                                                                 |                          | Not including SPEC NAME PLATE                                     |
| 13  | E22 M09 245 | SERVICE PANEL ASSEMBLY       | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 14  | E22 Y84 640 | EXPANSION VALVE              | 1                                                                                               | 1                                                                                                 |                          | LEV body                                                          |
| 15  | E22 67X 645 | EXPANSION VALVE ASSEMBLY     | 1                                                                                               | 1                                                                                                 |                          | Includes LEV body, capillary tubes (ø4.0×ø2.4×100, ø4.0×ø2.4×240) |
| 16  | E22 G10 493 | EXPANSION VALVE COIL         | 1                                                                                               | 1                                                                                                 | LEV                      |                                                                   |
| 17  | E22 930 523 | CONDENSER NET                | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 18  | E22 14F 515 | MOTOR SUPPORT                | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 19  | E22 L85 297 | TOP PANEL ASSEMBLY           | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 20  | E27 L05 508 | PROPELLER FAN NUT            | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 21  | E22 14F 630 | OUTDOOR HEAT EXCHANGER       | 1                                                                                               | 1                                                                                                 |                          |                                                                   |
| 22  | E22 67X 936 | CAPILLARY TUBE               | 1                                                                                               | 1                                                                                                 |                          | ø4.0×ø2.4×240                                                     |
| 23  | E22 7Z4 936 | CAPILLARY TUBE               | 1                                                                                               | 1                                                                                                 |                          | ø4.0×ø2.4×100                                                     |

**MUY-TP35VF2 - E1 MUY-TP50VF2 - E1**  
**1-6. OUTDOOR UNIT ELECTRICAL PARTS**



## 1-6. OUTDOOR UNIT ELECTRICAL PARTS

1. The part quantity below indicates the required number of pieces per unit.

| No. | Part No.    | Part Name                                     | MUY-TP35VF2 - <input type="checkbox"/> E1 | MUY-TP50VF2 - <input type="checkbox"/> E1 | Symbol<br>in Wiring<br>Diagram | Remarks                        |
|-----|-------------|-----------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------|
| 1   | E22 G11 337 | REACTOR                                       | 1                                         | 1                                         | L61                            |                                |
| 2   | E22 E99 306 | DISCHARGE TEMPERATURE THERMISTOR              | 1                                         | 1                                         | RT62                           |                                |
| 3   | E22 D65 308 | AMBIENT TEMPERATURE THERMISTOR                | 1                                         | 1                                         | RT65                           |                                |
| 4   | E22 14F 307 | OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR | 1                                         | 1                                         | RT68                           |                                |
| 5   | E22 41X 381 | COMPRESSOR PROTECTOR                          | 1                                         | 1                                         | 26C                            |                                |
| 6   | E22 7Z4 374 | TERMINAL BLOCK                                | 1                                         | 1                                         | TB1                            | 5P (S1, S2, S3)                |
| 7   | E22 7Z4 451 | INVERTER P.C. BOARD                           | 1                                         |                                           |                                | Includes HEAT SINK<br>and RT64 |
| 7   | E22 7Z5 451 | INVERTER P.C. BOARD                           |                                           | 1                                         |                                | Includes HEAT SINK<br>and RT64 |

# **mitsubishi electric corporation**

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Made in Japan

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