

FRESH MASTER HANDBOOK

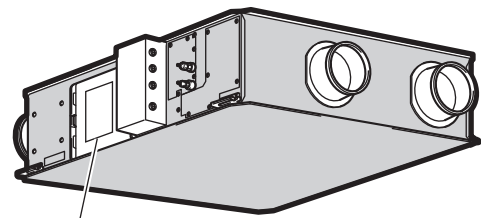
MODELS

GUF-100RD₃ **1**

GUF-100RD₃ **2**

GUF-100RD₃ **3**

GUF-100RD₃ **4**



Nameplate

Humidifier function is not available.

Warning:











Repair work must be performed by the manufacturer, its service agent or a similarly qualified person in order to avoid hazards.

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1. Safety precautions

- Please be sure to read the following precautions thoroughly before commencing with the maintenance work, and conduct the inspection and repair of the product in a safe manner.
- The types and levels of danger that may arise if the product is handled incorrectly are described by using the warning symbols shown below.

 Warning		Incorrect handling of the product may result in serious injury or death.	
<p>◇ Electric shock</p> <p>If you must inspect the circuitry while the power is on, do not touch the live parts.</p> <p>(Failure to heed this warning may result in electric shock.)</p> <div style="text-align: right;">  <p>Caution against electric shock</p> </div>	<p>◇ Turn off the power supply</p> <p>Be sure to shut off the ground fault circuit interrupter before disassembling the unit for repair.</p> <p>(Failure to heed this warning may result in electric shock.)</p> <div style="text-align: right;">  <p>Be sure to follow this instruction.</p> </div>		
<p>◇ Modification is prohibited</p> <p>Do not modify the unit.</p> <p>(Failure to heed this warning may result in electric shock, fire and/or bodily injury.)</p> <div style="text-align: right;">  <p>Prohibited</p> </div>	<p>◇ Use proper parts and tools</p> <p>For repair, be sure to use the parts listed in the service parts list of the applicable model and use the proper tools.</p> <p>(Failure to heed this warning may result in electric shock, fire and/or bodily injury.)</p> <div style="text-align: right;">  <p>Be sure to follow this instruction.</p> </div>		
<p>◇ Do not mix anything other than the specified coolant of the same type used in the outdoor unit.</p> <p>Do not charge any coolant different from the coolant used in the outdoor unit.</p> <p>(Failure to heed this warning may cause the pressure inside the freezing cycle to become abnormally high, leading to bodily injury or other damage.)</p> <div style="text-align: right;">  <p>Prohibited</p> </div>	<p>◇ Proper electric work</p> <p>Use the electric wires designated for electric work, and conduct electric work in accordance with the "Electric Installation Engineering Standard", the "Indoor Wiring Regulations", and the Installation Work Guide.</p> <p>(Incomplete connection or wiring installation may result in electric shock and/or fire.)</p> <div style="text-align: right;">  <p>Be sure to follow this instruction.</p> </div>		
<p>◇ Toxic gas generation</p> <ul style="list-style-type: none"> • Be careful that the coolant (R407C, R410A, R22) does not leak in a flammable environment. • Conduct welding operation in an open room. • If the coolant gas leaks, open the windows while servicing. • Be sure to completely repair the leak. Close the service valve if the repair work is temporarily suspended. <p>(If the coolant gas comes into contact with flames such as open fire, sparks and a heater, it may generate toxic gas.)</p> <div style="text-align: right;">  <p>Be sure to follow this instruction.</p> </div>	<p>◇ Replace damaged and/or degraded parts</p> <p>Be sure to replace the power-supply cord and lead wires in the event that they are damaged and/or degraded.</p> <p>(Failure to heed this warning may result in electric shock and/or fire.)</p> <div style="text-align: right;">  <p>Be sure to follow this instruction.</p> </div>		
	<p>◇ Check insulation</p> <p>Be sure to measure the insulation resistance once the repair work is complete, and turn on the power supply after verifying that an insulation resistance of at least 10MΩ is obtained.</p> <p>(If an insulation problem exists, it may result in electric shock.)</p> <div style="text-align: right;">  <p>Be sure to follow this instruction.</p> </div>		



Caution

Incorrect handling of the product may result in serious injury or damage to properties including buildings and equipment.

◇ Caution for bodily injury

Do not conduct any work at a location where you do not have a sure footing.

(Failure to heed this caution may result in a fall.)



Prohibited

◇ Wear gloves

Wear gloves when conducting work.

(Failure to heed this caution may result in injury to your hands from sharp metal or other edges.)



Be sure to follow this instruction.

◇ Prevent water leakage

- Before removing any of the water-related parts, completely drain the residual water from the piping.
- After the repair is complete, be sure to check the drainage of the indoor unit and that no water leaks from any of the piping connections.

(Water leakage may cause buildings to soil, leading to secondary failure of other parts.)

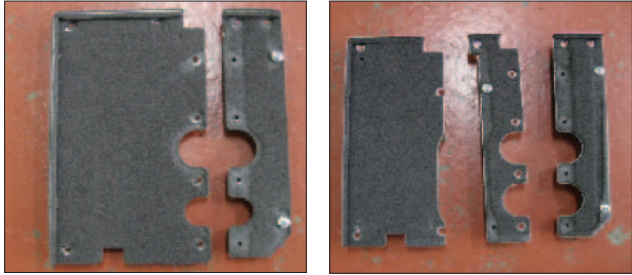


Be sure to follow this instruction.

Request for repair

- Inspect the grounding, and repair it if incomplete. Make sure that a ground fault circuit interrupter or an over-load protection device is being installed. If not, recommend the dealer to install one.
- Make sure that the product operates properly upon completion of repair. Clean the product as well as the surrounding area, and then notify the customer of the completion of repair.

2. Modifications

Model	Comparative model	Modified parts
GUF-100RD ₃ ①	GUF-100RD ₃	Lossnay core material (Change to new parts)
GUF-100RD ₃ ②	GUF-100RD ₃ ①	Circuit board (Change to new parts)
GUF-100RD ₃ ③	GUF-100RD ₃ ②	Drain pan (Unavailable as a service part)
GUF-100RD ₃ ④	GUF-100RD ₃ ③	Heat exchanger's cover (Use the appropriate cover type (previous/latest))
		
		(Previous) (Latest)

3. Specifications

Model	Power supply (V)	Frequency (Hz)	Current (A)	Power consumption (W)	Air volume		External air load heat processing capability (kw)		Noise (dB)	Weight (kg)	Equivalent indoor unit capability
					m³/h	L/S	Cooling capability	Heating capability			
GUF-100RD3 ① GUF-100RD3 ② GUF-100RD3 ③ GUF-100RD3 ④	Single-phase 220-240	50	2.20	480-505	1,000	278	10.81 (3.49)	13.00 (4.70)	38-39	92	P63

- The values given in the table for the noise level reflect the levels measured at a position 1.5 meters immediately below the unit in an anechoic chamber.
- The noise at the air outlets (at a 45° angle, 1.5 meters in front) is about 5-6 dB (A) higher than the values given in the table.
- The above values apply during Lossnay ventilation when the fan speed is set to high speed.
- * Capability in () is heat recovery capability by Lossnay core.

Cooling/Heating capability indicates the maximum value at operation under the following condition.

Cooling: Indoor: 27°C DB/19.5°C WB Outdoor: 35°C DB/24°C WB
 Heating: Indoor: 21°C DB/14.6°C WB Outdoor: 7°C DB/6°C WB

4. Outside dimensions

GUF-100RD3 ①, GUF-100RD3 ②, GUF-100RD3 ③, GUF-100RD3 ④

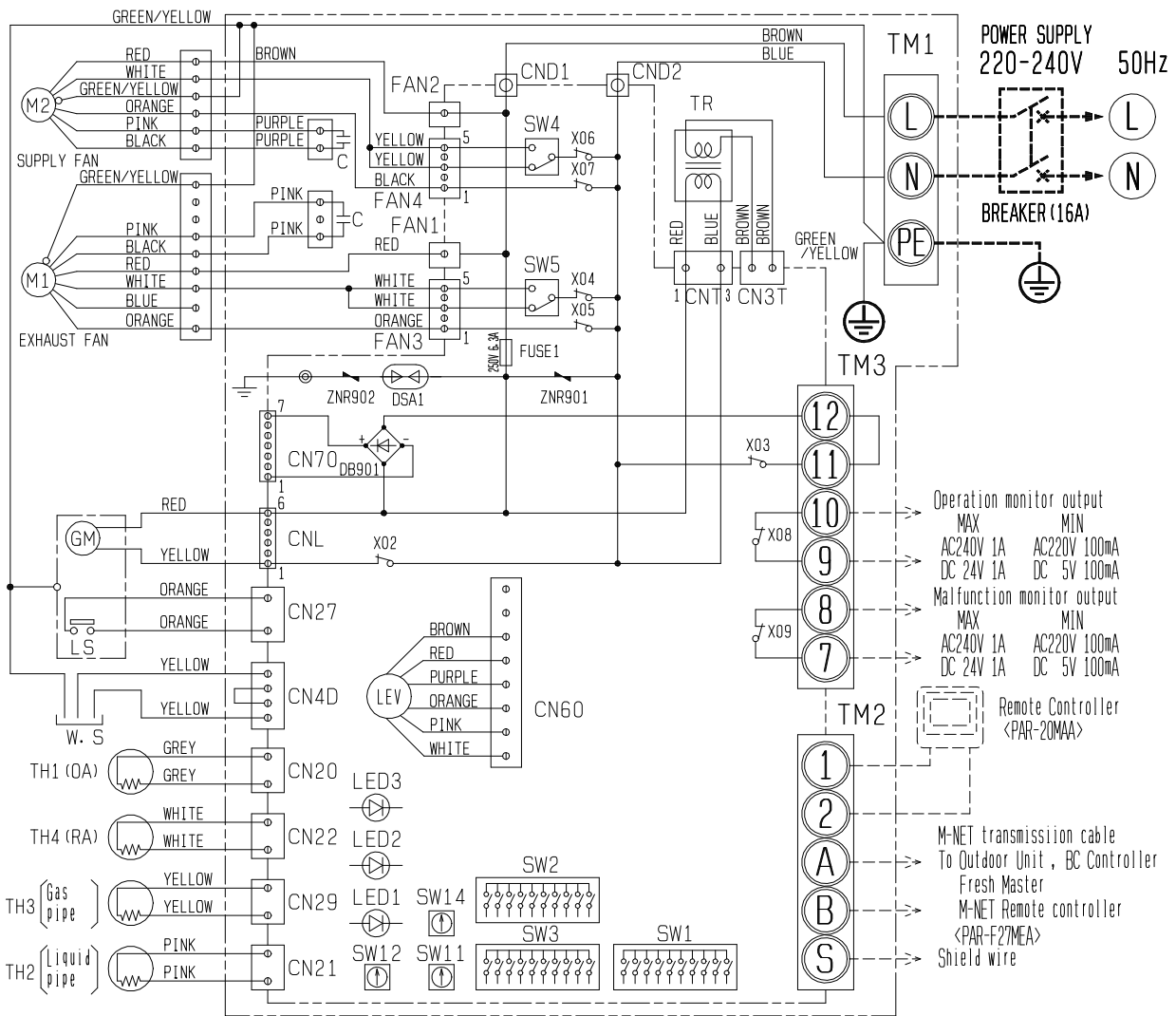
The technical drawings illustrate the unit's structure and components. The front view shows air flow paths: EA (Exhaust air) exiting through an exhaust fan, RA (Return air) entering through a damper plate, and SA (Supply air) exiting through an air supply fan. It also shows outdoor air (OA) intake and a maintenance cover. The side view details the heat recovery unit (Lossnay core), high efficiency filter (optional), heat exchanger, and water intake (S). The top view shows the ceiling suspension fixture, control box, and various pipe connections (gas pipe U, liquid pipe V) and a drain discharge hole (VP25 connection). Dimensions A through V are indicated for external size, suspension pitch, duct connection, and duct pitch.

Model	External dimension			Ceiling suspension fixture pitch			Duct connection flange			Duct pitch				Humidification			Inspection opening	Flare		
	A	B	C	D	E	F	Nominal diameter	G	H	J	K	L	M	N	P	Q	S	T	U	V
GUF-100RD3 ① GUF-100RD3 ② GUF-100RD3 ③ GUF-100RD3 ④	1580	1231	398	1465	1271	16	250	199	242	258	920	460	670	149	361	169	280	600	ø15.88	ø9.52

Unit (mm)

5. Electrical wiring diagram

GUF-100RD3 ①, GUF-100RD3 ②, GUF-100RD3 ③, GUF-100RD3 ④



- NOTE
1. TM1, TM2, TM3 shown in dotted lines are field work.
 2. Be sure to connect the grounding wire.
 3. Breakers should be provided by the customer.
 4. MARK Ⓞ : indicates terminal block, Ⓢ : connector
 Ⓢ : board insertion connector or fastening connector of control board.

■Warning
 Before obtaining access to terminals, all supply circuits must be disconnected.

■Symbol explanation

Symbol	Name	Symbol	Name	Symbol	Name
M1	Fan motor(exhaust)	TM1	Terminal block(power supply)	1,2	Remote controller terminal
M2	Fan motor(supply)	TM2	Terminal block(transmission)	A, B	M-NET transmission terminal
C	Capacitor	TM3	Terminal block(humidistat, monitor)	S	Shield
W. S	Water sensor	SW1	Switch(capacity code setting)	CND1, CND2	Connector(power supply)
TH1	Thermistor(outdoor air temp. detection)	SW2	Switch(function selection)	X02-X09	Relay
TH2	Thermistor(pipe temp. detection/liquid)	SW3	Switch(function selection)	TR	Transformer
TH3	Thermistor(pipe temp. detection/gas)	SW4	Switch	GM	Damper motor
TH4	Thermistor(room air temp. detection)	SW5	Switch	LS	Limit switch
LEV	Electronic linear expansion valve	SW11	Switch(1st digit address set)	LED1	Power supply monitor
		SW12	Switch(2nd digit address set)	LED2	MA remote controller
		SW14	Switch(branch NO. set)	LED3	Power supply monitor
					M-NET Power supply monitor

6. Overhaul procedure

■ Work precautions

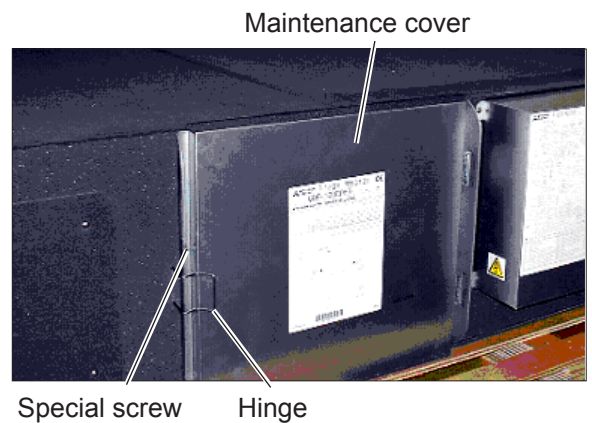
- When touching the electric components such as circuit boards and fan motors, do not touch the components for more than 5 minutes after power-off, and then start working.
- When servicing, always keep proper footing.
- When servicing, make sure that the power cord is pulled out of the outlet, or the ground fault circuit interrupter is off if no mains connector is built in the product, so as no electrical shock or injury to occur. Pay sufficient attention when working on the product.
- Always connect the power wire properly.
- After completing repairs, check that the unit operates properly.
- Always wear gloves when servicing.

(1) Turning Power Off

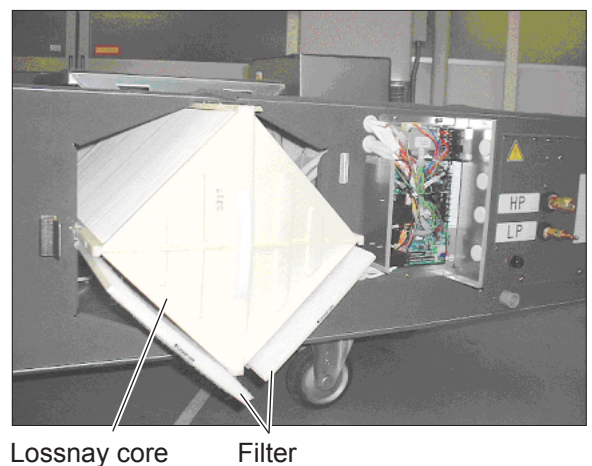
- ① Shut down the unit.
- ② Turn off the ground fault circuit interrupter on the distribution board.

(2) Fan Section

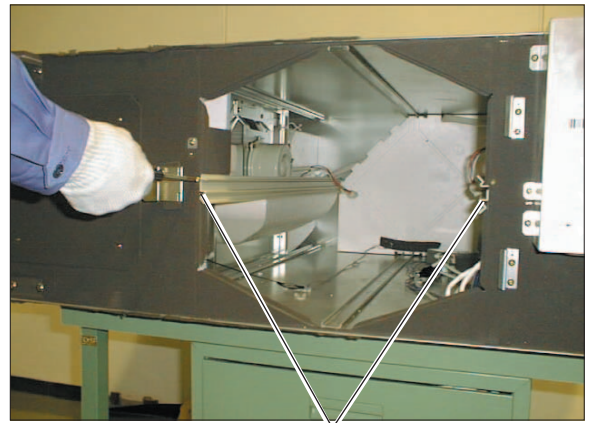
- ① Remove the cover fixing special screw.
- ② Pull back the hinge. Open the maintenance cover and lift it off of the fix piece.



- ③ Remove the filters from the unit.
- ④ Remove the Lossnay cores from the unit.



- ⑤ Remove the screws from the core guides, and remove the core guides.



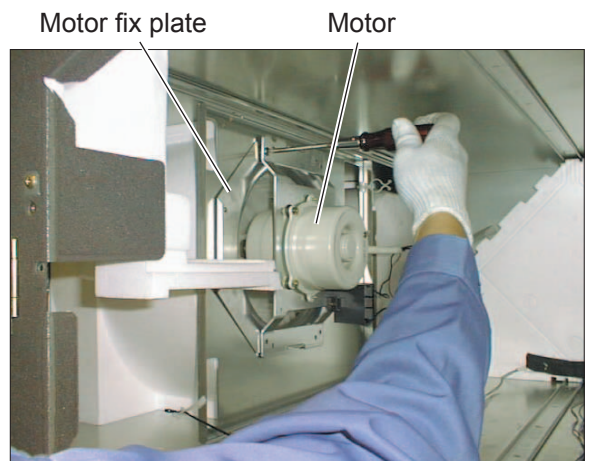
Core guide

- ⑥ Remove the separators from the fan parts.
⑦ Disconnect the connections for the motor lead wire.



Separator

- ⑧ Remove the screws from the motor fix plate.



Motor fix plate

Motor

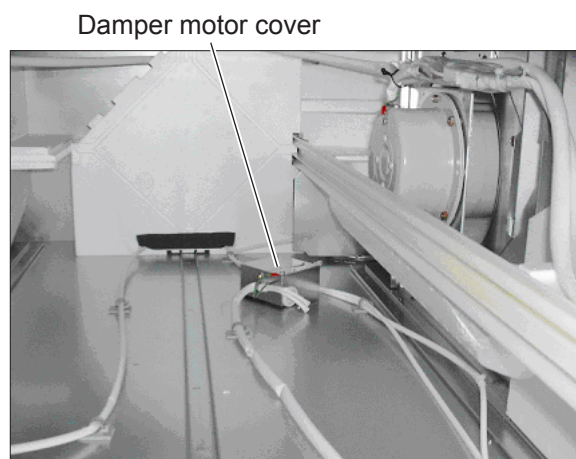
- ⑨ Remove the fan assembly.



Fan assembly

(3) Damper Motor Section

- ① Remove the two screws out from the damper motor cover.

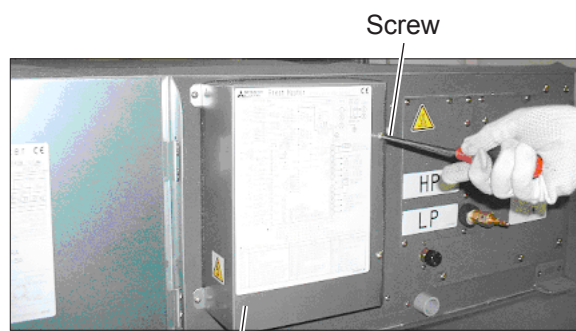


- ② Take the damper motor out of the cover.



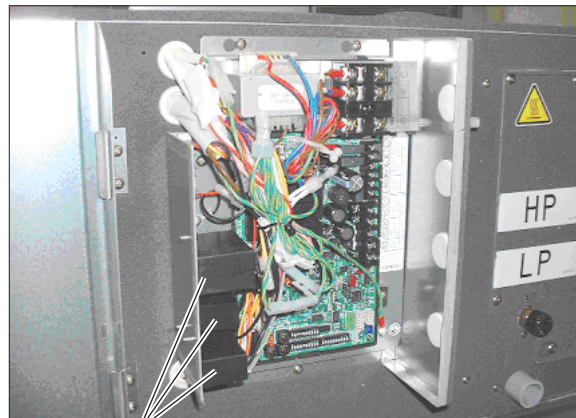
(4) Circuit Board Section

- ① Remove the four screws from the control cover.



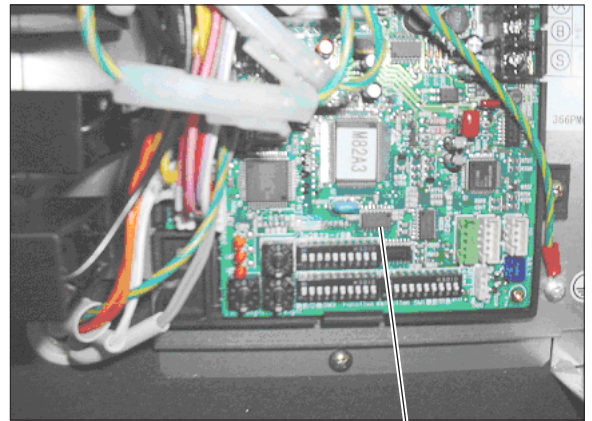
Control cover

- ② Remove the three screws from the capacitors.



Capacitor

- ③ Remove all lead wires connected to the circuit board.
- ④ Take the circuit board out.



Circuit board

(5) Humidifier Section

* Humidifier function is not available. This product is not equipped with the humidifying elements.

- ① Remove the seven screws to remove the humidifier cover.



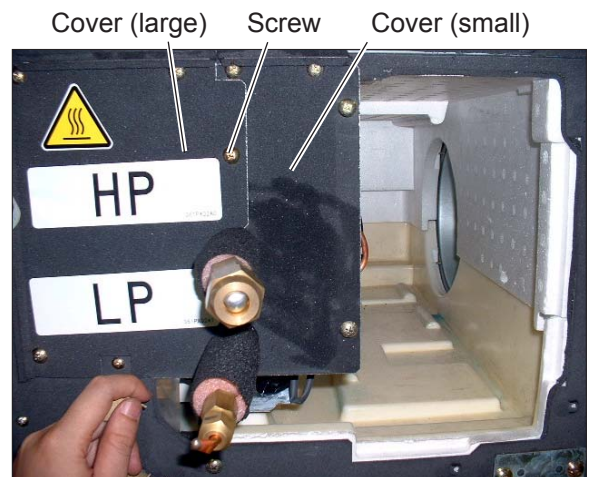
- ② Remove the humidifier cover (IN).



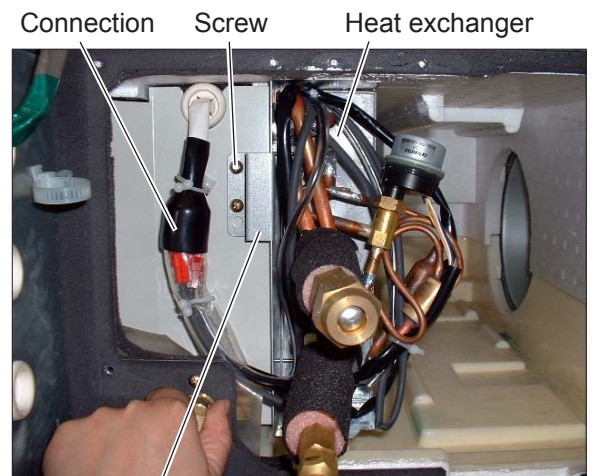
(6) Water Sensor Section

* This product is not equipped with the solenoid valve and the water supply pipe.

- ① Remove the 11 screws to remove the cover (large) and cover (small).

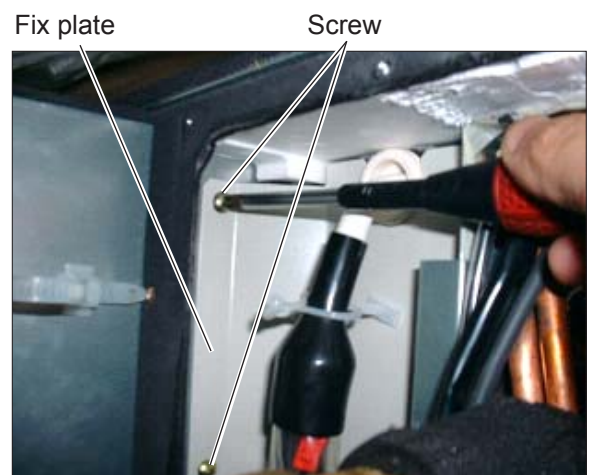


- ② Disconnect the connections for the thermistor lead wires and linear expansion valve lead wire.
- ③ Remove the two screws to remove the heat exchanger fixing plate.
- ④ Remove the heat exchanger from the unit.

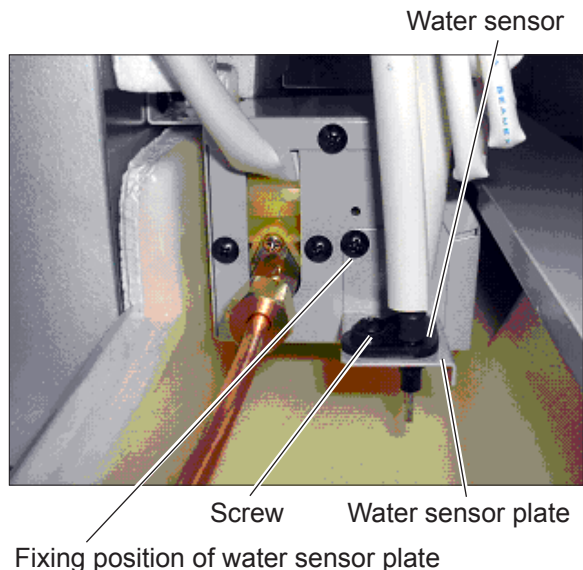


Heat exchanger fixing plate

- ⑤ Remove the two screws to remove the fix plate.



⑥ Remove the screws to remove the water sensors.



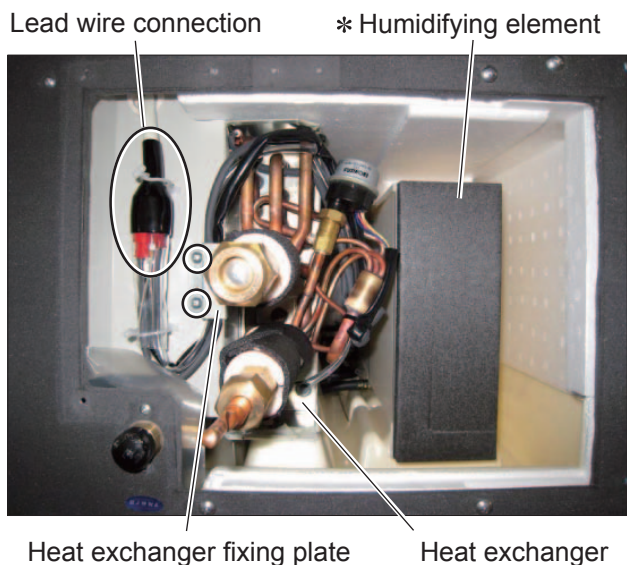
Except for GUF-100RD₃ [4]

* When replacing the heat exchanger, replace the covers (large, and small) with the supplied maintenance covers (side, left, and right) as follows.

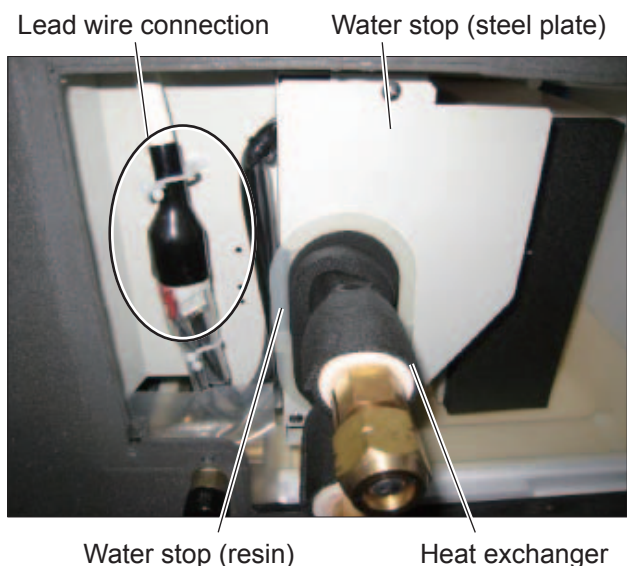
(7) Heat Exchanger (for coolant) Section

- ① Remove the covers (large, and small) and the humidifier cover. Then, remove the humidifier cover (IN).
- ② Disconnect the lead wire connections from the heat exchanger.
(Lead wire for the linear expansion valve (LEV), and lead wires for the thermistors of liquid and gas pipes)
- ③ Remove the screws (two PTT screws 4x8: ○). Remove the heat exchanger fixing plate, and then replace the heat exchanger.

* Humidifier function is not available. This product is not equipped with the humidifying elements.



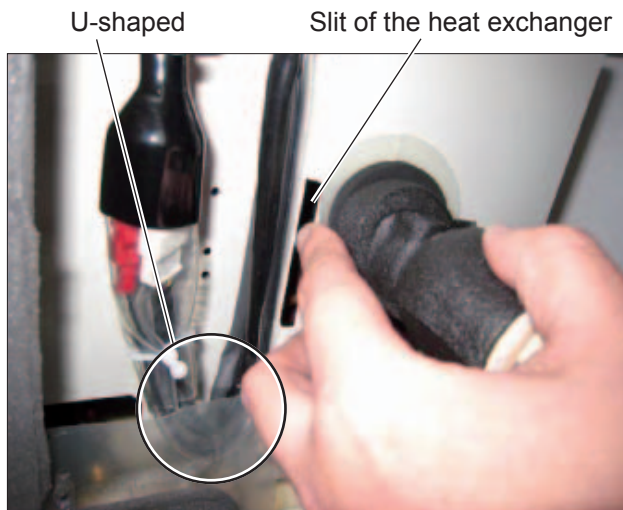
- ④ After inserting the new heat exchanger in the unit, connect the lead wire connections for the linear expansion valve (LEV), and for the thermistors of liquid and gas pipes (removed as shown in (7) ②).



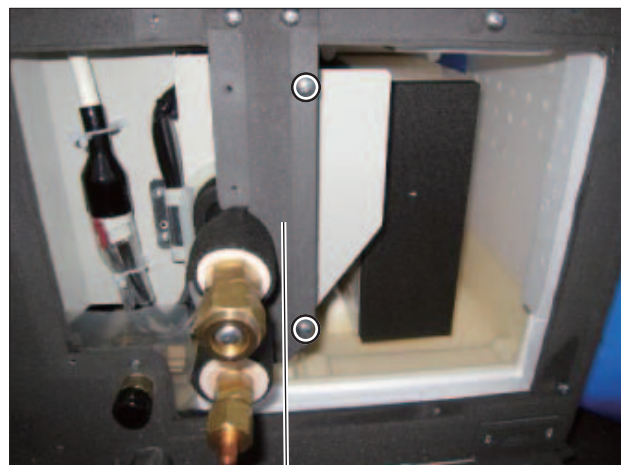
- ⑤ Hold the water stop (resin) with your fingers, and hold the lead wires by the heat exchanger fixing plate (removed as shown in (7) ③). Hook the heat exchanger fixing plate on the slit of the heat exchanger. Tighten the screws (two PTT screws 4x8), and secure the heat exchanger to the unit. Set the lead wires u-shaped as shown in the following picture, and secure the lead wires with the lead clips so as not to move the lead wires toward the maintenance cover side.

Assembly precaution

If the lead wires are not secured, condensed water may run down the read wires, and result in water leak.

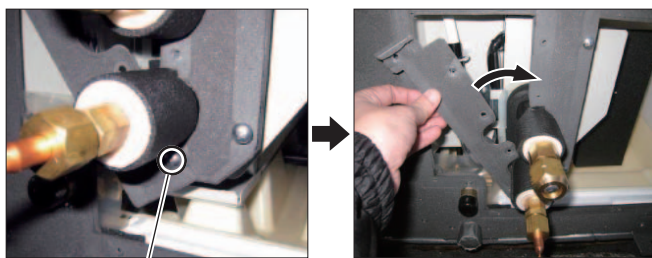


- ⑥ Tighten the screws (two PTT screws 5x10: ○) to attach the maintenance cover (right).

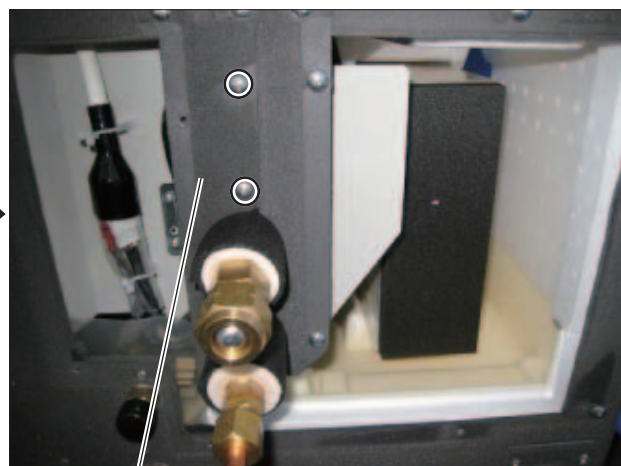


Maintenance cover (right)

- ⑦ Tighten the screws (Five PTT screws 5x10: ○) to attach the maintenance cover (left).



Tighten tentatively this screw first.



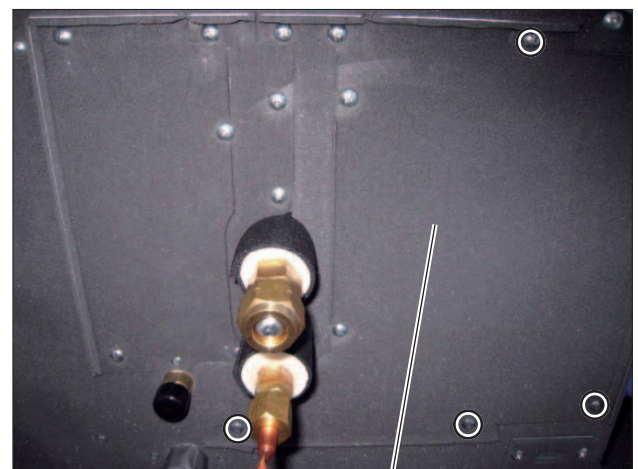
Maintenance cover (left)

- ⑧ Tighten the screws (four PTT screws 5x10: ○) to attach the maintenance cover (side).
- ⑨ Attach the humidifier cover (IN).



Humidifier cover (IN)

- ⑩ Tighten the screws (Seven PTT screws 5x10: ○) to attach the humidifier cover.





Humidifier cover

* When assembling

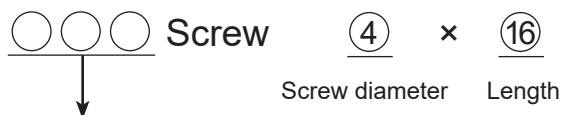
- When reassembling the unit, assemble it in the reverse order of disassembly.
- Always make sure that the unit works properly when reassembled.

7. Parts catalog

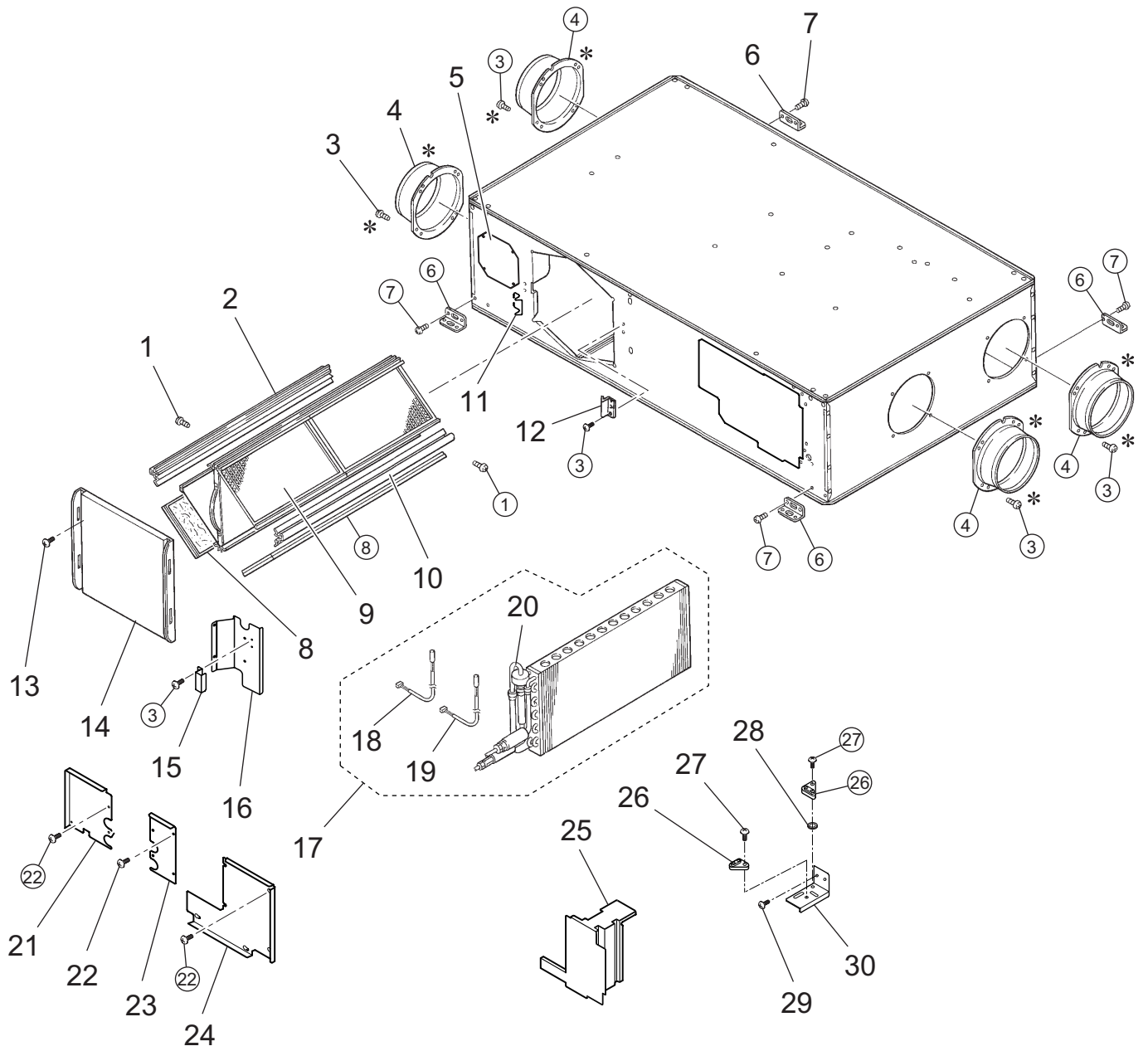
Please note the following when using the parts catalog.

1. When ordering parts, the part number, part name, and the number of parts are required.
2. It may take time for you to receive the parts. Make an inquiry about a rush order.
3. Specifications may be subject to change without notice.
4. Parts marked with  and  are critical for safety.
5. To maintain safety and performance, use the parts specified in the parts catalog.
6. The numbers that are circled in the exploded view are the same as the reference number for the part being indicated.
7. When replacing the parts to which the nameplate is attached, remove the nameplate and attach it to the new parts.

Description of screw abbreviations



Abbreviation	Description
PC screw	Cross recess flat head machine screw
PRC screw	Cross recess oval head machine screw
PP screw	Cross recess pan head machine screw
SW · PP screw	Cross recess pan head screw with spring washer
PPT screw	Cross recess tapping screw
PCT screw	Cross recess flat head tapping screw
PTT screw	Cross recess truss head tapping screw
PT screw	Cross recess truss head machine screw
SET screw	Slotted head stop screw
SQ · SET screw	Square head stop screw
P · SET screw	Pan head stop screw
PMT screw	Primer truss head screw
HS · SET screw	Hexagon head stop screw
P · R · W screw	Cross recess round wood screw
P · C · W screw	Cross recess flat head wood screw
P · R · C · W screw	Cross recess round and flat wood screw
R · W screw	Slotted round wood screw
PW · PP screw	Cross recess pan head screw with small washer
SW-PW · PP screw	Cross recess pan head machine screw with spring washer and flat washer

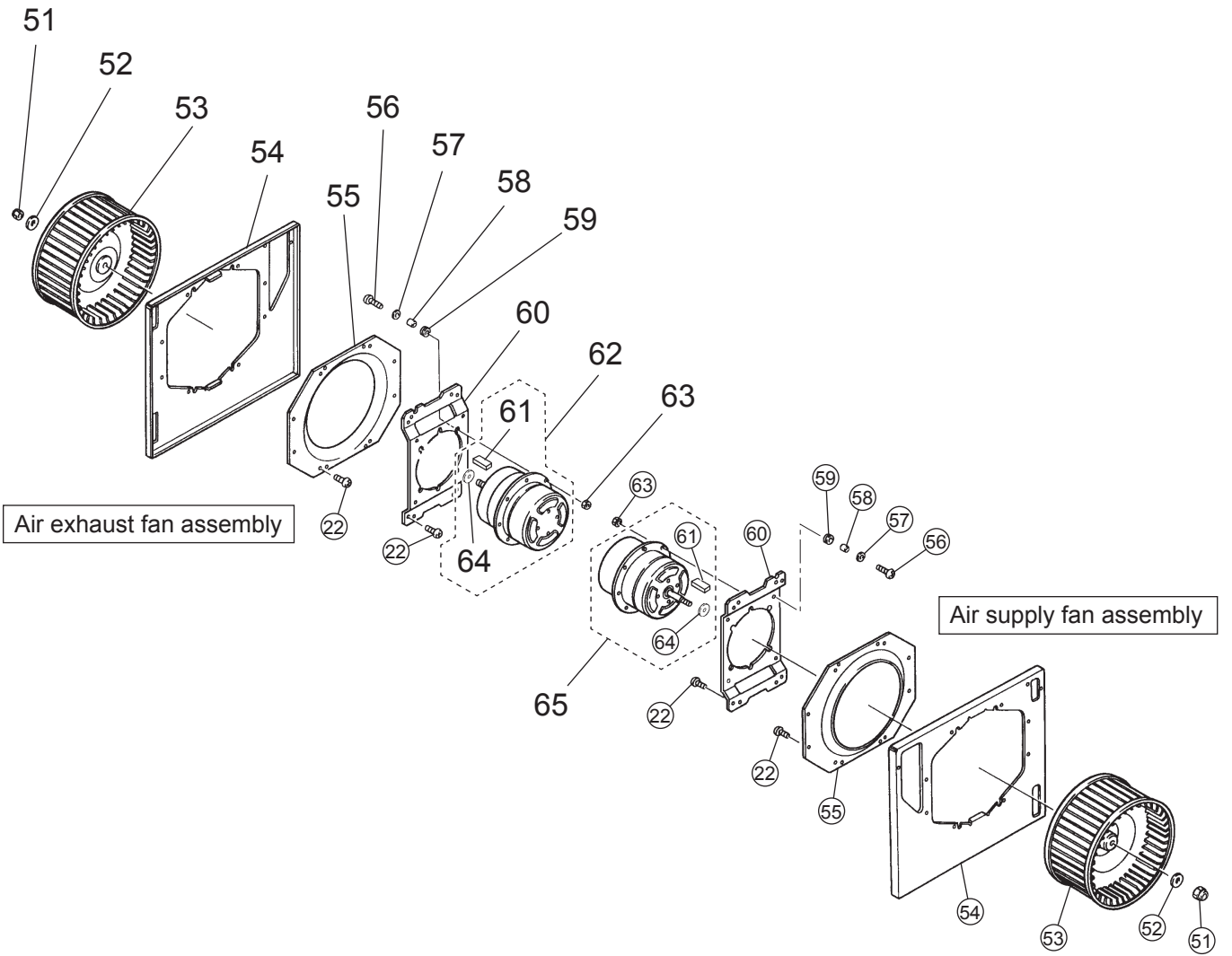


* shows accessory parts.

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No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4×12	H00 000 488	2		
2	Core guide	R50 219 381	1		
3	PTT screw 4×8	H00 000 487	83		
4	Flange	R50 430 609	4		
5	Cover	R50 543 704	2		
6	Hanger	R50 054 383	4		
7	PT screw 6×12	H00 000 244	16		
8	Filter	Y50 063 718	2	▲	
9	Lossnay core	R50 481 710	2	▲	
10	Core guide	R50 481 381	1		
11	Hinge	R50 466 344	1		
12	Fix piece	Y50 029 712	2		
13	Spl screw 4×11	M34 074 017	1		
14	Maint. cover	R50 265 707	1		
15	Fix piece	R50 429 700	1		
16	Fix plate	R50 430 695	1		
17	Heat exchanger	R50 473 699	1	▲	For coolant
18	Thermistor	R40 632 936	1	▲	For the gas pipe
19	Thermistor	R40 647 340	1	▲	For the liquid pipe
20	Expansion valve	R50 474 737	1	▲	
21	Cover (large)	R50 430 691	1		
22	PTT screw 5×10	H00 189 007	34		
23	Cover (small)	R50 430 692	1		
24	H. elem. cover	R50 430 694	1		
25	H. elem. cover	R50 430 486	1		
26	Water sensor	M45 280 707	2	▲	
27	Spl screw 4×12	M35 282 045	2		
28	Special washer	K81 602 035	1		
29	PTT screw 4×8	H00 260 045	5		
30	Fix plate	Y55 007 692	1		

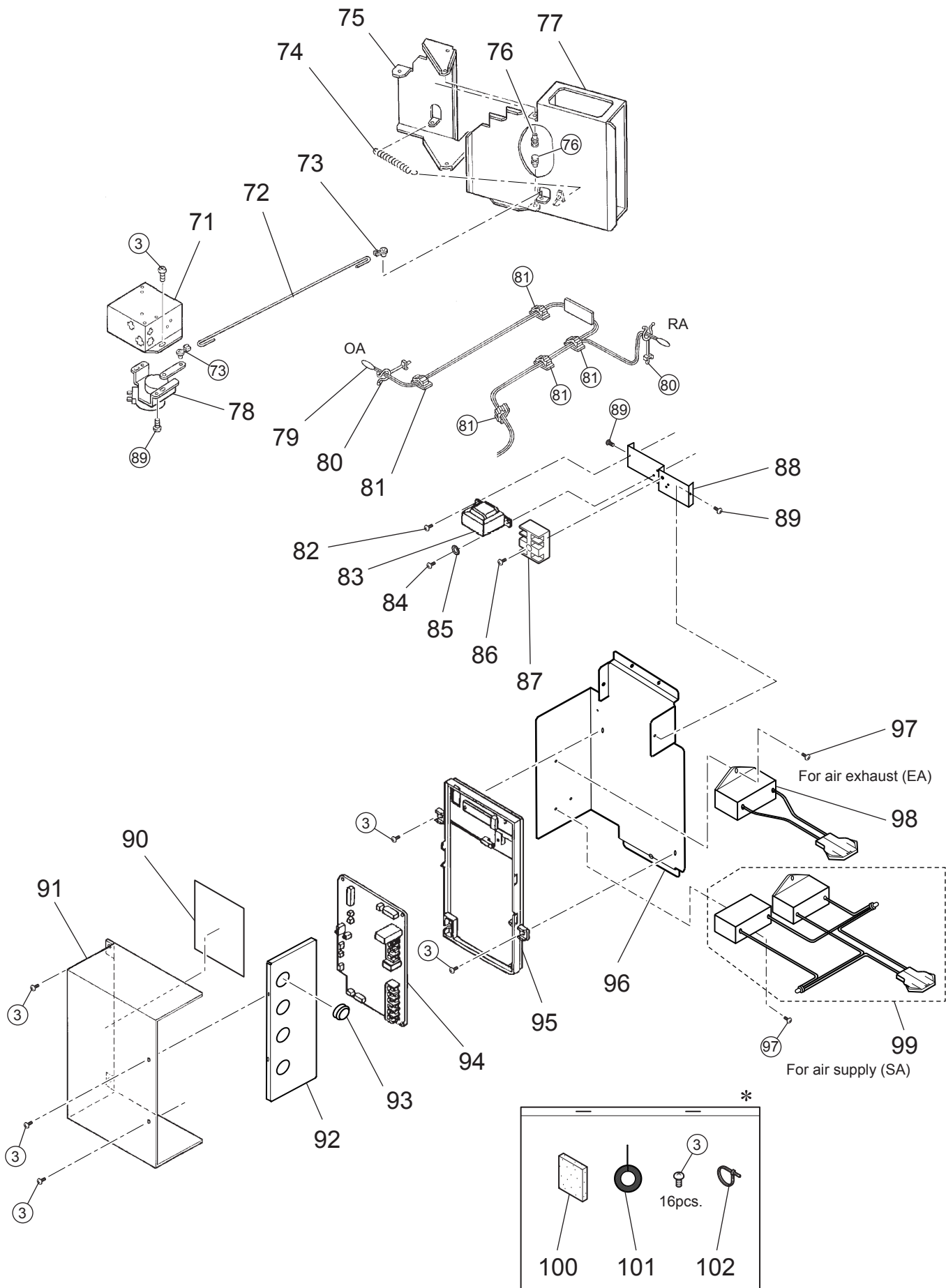
Since the production of this model has already been discontinued, the above service parts cannot be supplied.



GUF-100RD3 1

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
51	Spl nut (12)	R50 218 067	2		Left-handed φ245
52	Washer (12)	K83 466 113	2		
53	Centrifugal fan	R50 479 480	2	▲	
54	Fan base	R50 480 707	2		
55	Inlet ring	R50 264 711	2		
56	PT screw 6×20	H00 157 008	8		
57	Spl washer (6)	M34 043 080	8		
58	Spacer	R50 000 095	8		
59	Bush	Y50 033 226	8		
60	Motor fix plate	R50 218 712	2		
61	Key	Y50 033 104	2		5×5×11.5
62	Motor	Y55 008 453	1	▲	
63	Nut (6)	H00 061 050	8		φ17.5
64	Special washer	K83 195 080	2		
65	Motor	Y55 004 451	1	▲	

Since the production of this model has already been discontinued, the above service parts cannot be supplied.

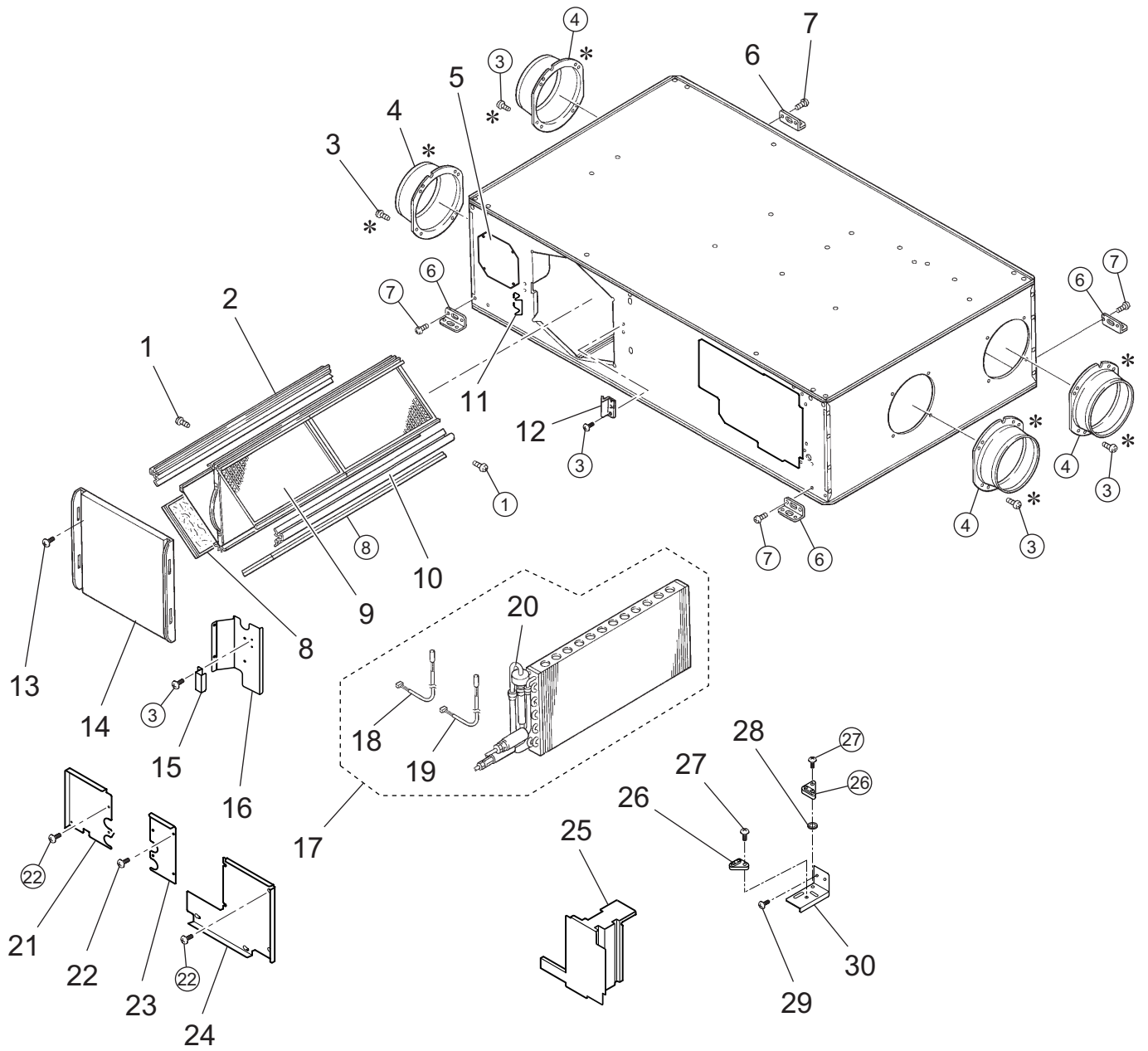


* shows accessory parts.

GUF-100RD3 1

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
71	Motor cover	Y50 061 693	1		
72	Rod	R50 265 150	1		
73	Special bush	R50 054 225	2		
74	Pull spring	R50 074 156	1		
75	Damper support	R50 473 715	1		
76	Special bush	M31 234 089	2		
77	Damper	R50 473 716	1		
78	Damper motor	Y50 061 260	1	▲	AC220·240V
79	Thermistor	Y55 004 215	1	▲	
80	Cord clamber	D41 093 224	2		
81	Cord clip	R50 399 224	8		
82	PT screw 4×8	H00 000 349	1		
83	Transformer	Y55 001 217	1	▲	
84	PT screw 4×8 BS	H00 011 008	5		
85	Lock washer (4)	H00 013 076	5		
86	PPT screw 4×20	H00 141 005	1		
87	Terminal block	Y50 150 242	1	▲	3P
88	TB fix plate	R50 429 701	1		
89	PTT screw 4×6	H00 312 007	6		
90	Wiring diagram	Y55 009 367	1		
91	Control cover	R50 429 693	1		
92	Side plate	R50 430 693	1		
93	Cord bush	R50 351 225	4		
94	Circuit board	R50 472 171	1	▲	FU-M05-D1
95	PCB fix plate	R50 327 730	1		
96	PCB fix plate	R50 429 695	1		
97	PTT screw 4×10	H00 000 332	7		
98	Capacitor	Y55 008 235	1	▲	7.0μF·440VAC
99	Capacitor (2)	Y55 008 236	1	▲	4.5μF·440VAC
100	Separator	R50 530 699	2		
101	Separator	R50 530 700	2		
102	Cord band	R50 530 228	6		

Since the production of this model has already been discontinued, the above service parts cannot be supplied.



* shows accessory parts.

GUF-100RD3 ②

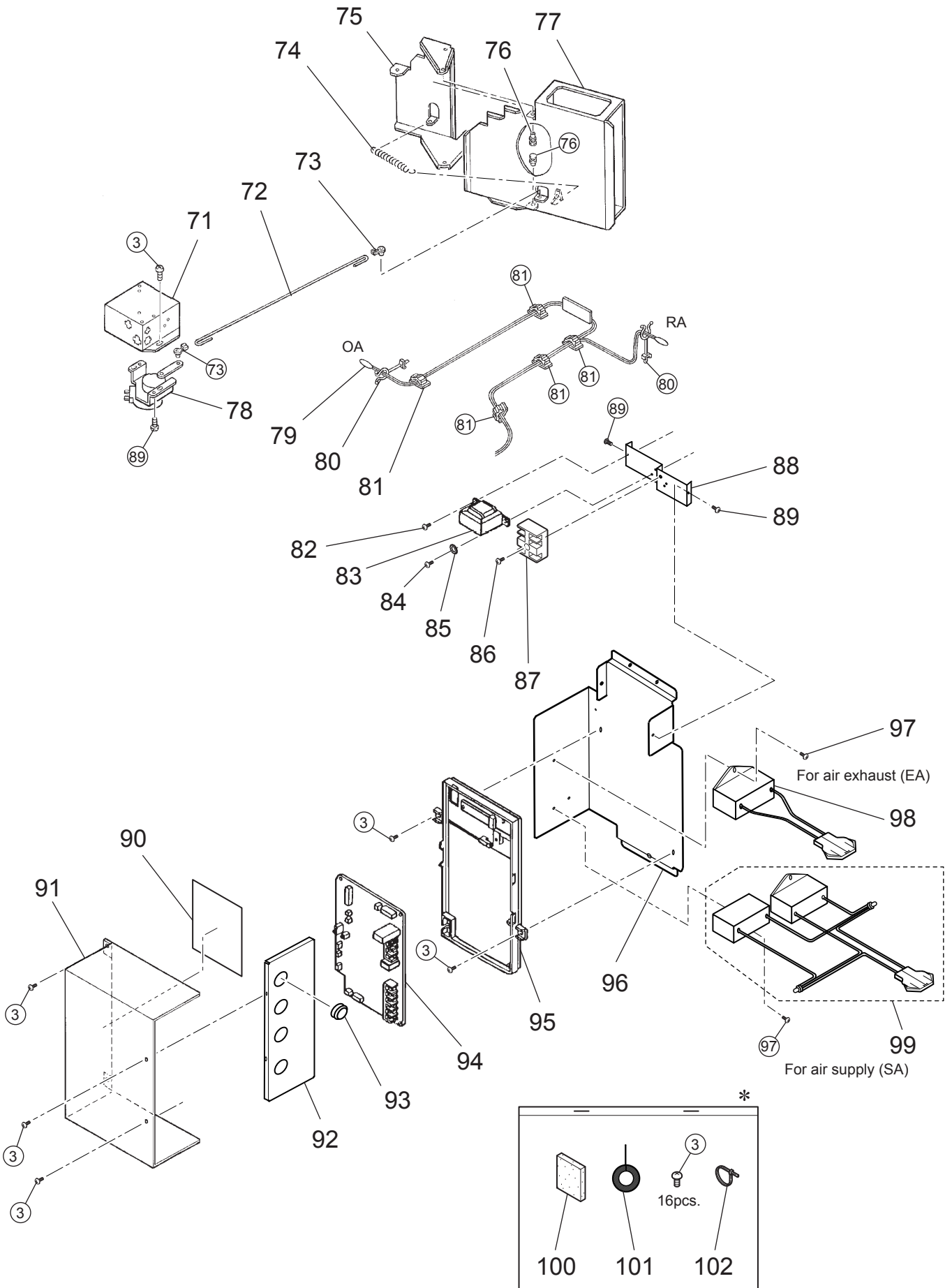
No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4×12	H00 000 488	2		
2	Core guide	R50 219 381	1		
3	PTT screw 4×8	H00 000 487	83		
4	Flange	R50 430 609	4		
5	Cover	R50 543 704	2		
6	Hanger	R50 054 383	4		
7	PT screw 6×12	H00 000 244	16		
8	Filter	Y50 063 718	2	▲	
9	Lossnay core	R50 481 710	2	▲	
10	Core guide	R50 481 381	1		
11	Hinge	R50 466 344	1		
12	Fix piece	Y50 029 712	2		
13	Spl screw 4×11	M34 074 017	1		
14	Maint. cover	R50 265 707	1		
15	Fix piece	R50 429 700	1		
16	Fix plate	R50 430 695	1		
17	Heat exchanger	R50 473 699	1	▲	For coolant
18	Thermistor	R40 632 936	1	▲	For the gas pipe
19	Thermistor	R40 647 340	1	▲	For the liquid pipe
20	Expansion valve	R50 474 737	1	▲	
21	Cover (large)	R50 430 691	1		
22	PTT screw 5×10	H00 189 007	34		
23	Cover (small)	R50 430 692	1		
24	H. elem. cover	R50 430 694	1		
25	H. elem. cover	R50 430 486	1		
26	Water sensor	M45 280 707	2	▲	
27	Spl screw 4×12	M35 282 045	2		
28	Special washer	K81 602 035	1		
29	PTT screw 4×8	H00 260 045	5		
30	Fix plate	Y55 007 692	1		

Since the production of this model has already been discontinued, the above service parts cannot be supplied.

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No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
51	Spl nut (12)	R50 218 067	2		Left-handed φ245
52	Washer (12)	K83 466 113	2		
53	Centrifugal fan	R50 479 480	2	▲	
54	Fan base	R50 480 707	2		
55	Inlet ring	R50 264 711	2		
56	PT screw 6×20	H00 157 008	8		
57	Spl washer (6)	M34 043 080	8		
58	Spacer	R50 000 095	8		
59	Bush	Y50 033 226	8		
60	Motor fix plate	R50 218 712	2		
61	Key	Y50 033 104	2		5×5×11.5
62	Motor	Y55 008 453	1	▲	
63	Nut (6)	H00 061 050	8		φ17.5
64	Special washer	K83 195 080	2		
65	Motor	Y55 004 451	1	▲	

Since the production of this model has already been discontinued, the above service parts cannot be supplied.

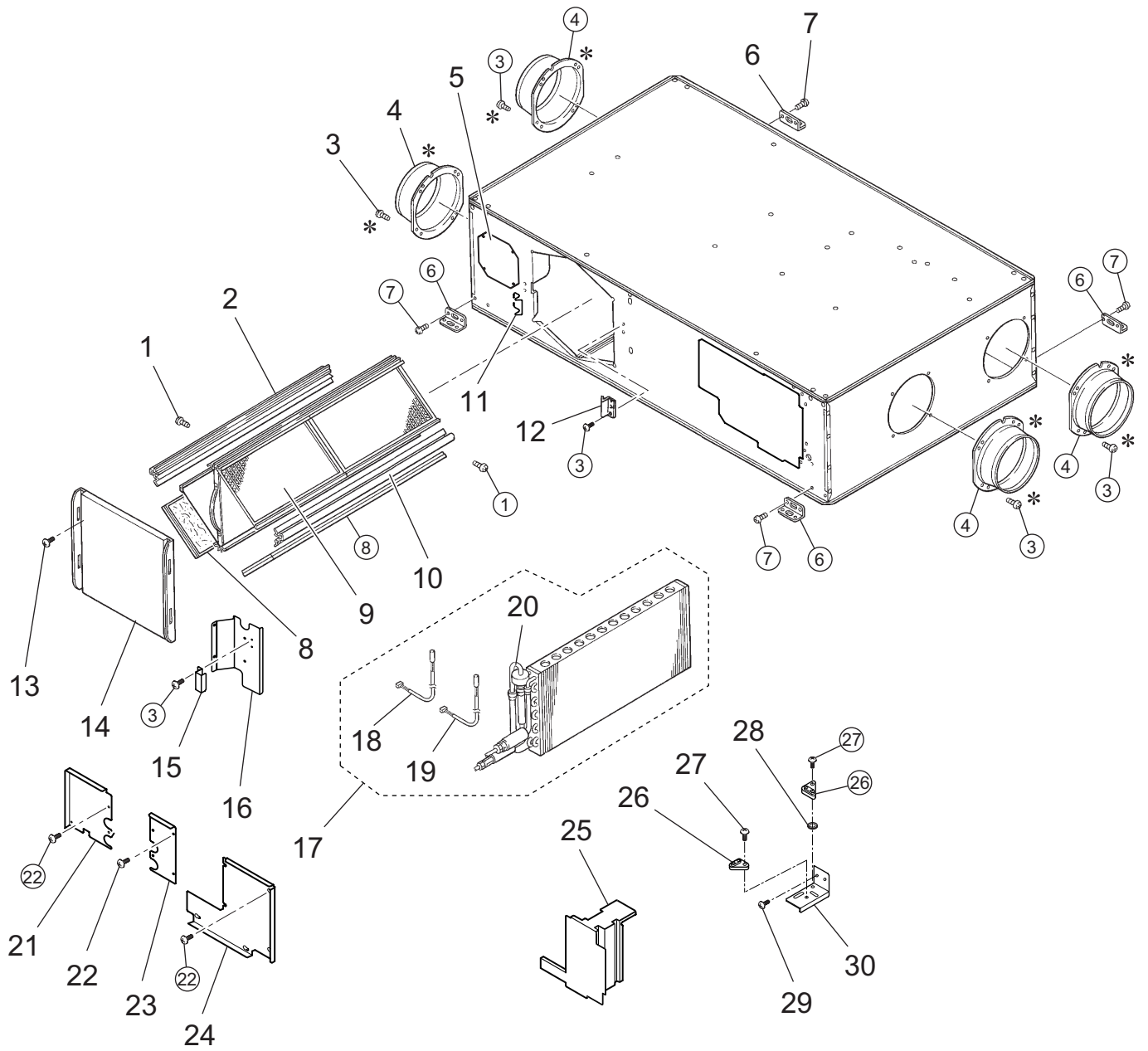


* shows accessory parts.

GUF-100RD3 ²

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
71	Motor cover	Y50 061 693	1		
72	Rod	R50 265 150	1		
73	Special bush	R50 054 225	2		
74	Pull spring	R50 074 156	1		
75	Damper support	R50 473 715	1		
76	Special bush	M31 234 089	2		
77	Damper	R50 473 716	1		
78	Damper motor	Y50 061 260	1	▲	AC220·240V
79	Thermistor	Y55 004 215	1	▲	
80	Cord clammer	D41 093 224	2		
81	Cord clip	R50 399 224	8		
82	PT screw 4×8	H00 000 349	1		
83	Transformer	Y55 001 217	1	▲	
84	PT screw 4×8 BS	H00 011 008	5		
85	Lock washer (4)	H00 013 076	5		
86	PPT screw 4×20	H00 141 005	1		
87	Terminal block	Y50 150 242	1	▲	3P
88	TB fix plate	R50 429 701	1		
89	PTT screw 4×6	H00 312 007	6		
90	Wiring diagram	Y55 009 367	1		
91	Control cover	R50 429 693	1		
92	Side plate	R50 430 693	1		
93	Cord bush	R50 351 225	4		
94	Circuit board	R50 472 171	1	▲	FU-M05-D1
95	PCB fix plate	R50 327 730	1		
96	PCB fix plate	R50 429 695	1		
97	PTT screw 4×10	H00 000 332	7		
98	Capacitor	Y55 008 235	1	▲	7.0μF·440VAC
99	Capacitor (2)	Y55 008 236	1	▲	4.5μF·440VAC
100	Separator	R50 530 699	2		
101	Separator	R50 530 700	2		
102	Cord band	R50 530 228	6		

Since the production of this model has already been discontinued, the above service parts cannot be supplied.



* shows accessory parts.

GUF-100RD3

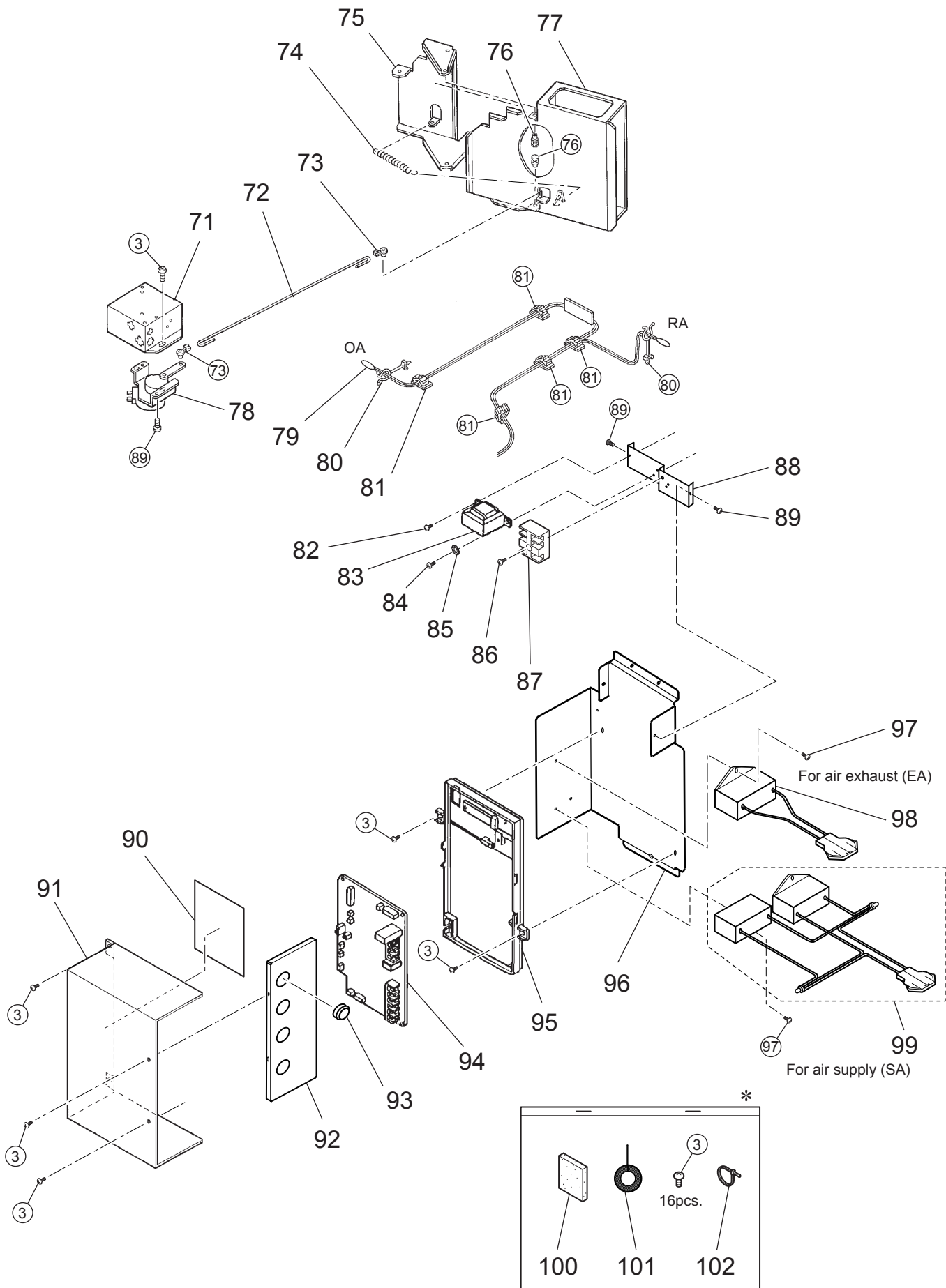
No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4×12	H00 000 488	2		
2	Core guide	R50 219 381	1		
3	PTT screw 4×8	H00 000 487	83		
4	Flange	R50 430 609	4		
5	Cover	R50 543 704	2		
6	Hanger	R50 054 383	4		
7	PT screw 6×12	H00 000 244	16		
8	Filter	Y50 063 718	2	▲	
9	Lossnay core	R50 481 710	2	▲	
10	Core guide	R50 481 381	1		
11	Hinge	R50 466 344	1		
12	Fix piece	Y50 029 712	2		
13	Spl screw 4×11	M34 074 017	1		
14	Maint. cover	R50 265 707	1		
15	Fix piece	R50 429 700	1		
16	Fix plate	R50 430 695	1		
17	Heat exchanger	R50 473 699	1	▲	For coolant
18	Thermistor	R40 632 936	1	▲	For the gas pipe
19	Thermistor	R40 647 340	1	▲	For the liquid pipe
20	Expansion valve	R50 474 737	1	▲	
21	Cover (large)	R50 430 691	1		
22	PTT screw 5×10	H00 189 007	34		
23	Cover (small)	R50 430 692	1		
24	H. elem. cover	R50 430 694	1		
25	H. elem. cover	R50 430 486	1		
26	Water sensor	M45 280 707	2	▲	
27	Spl screw 4×12	M35 282 045	2		
28	Special washer	K81 602 035	1		
29	PTT screw 4×8	H00 260 045	5		
30	Fix plate	Y55 007 692	1		

Since the production of this model has already been discontinued, the above service parts cannot be supplied.

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No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
51	Spl nut (12)	R50 218 067	2		Left-handed φ245
52	Washer (12)	K83 466 113	2		
53	Centrifugal fan	R50 479 480	2	▲	
54	Fan base	R50 480 707	2		
55	Inlet ring	R50 264 711	2		
56	PT screw 6×20	H00 157 008	8		
57	Spl washer (6)	M34 043 080	8		
58	Spacer	R50 000 095	8		
59	Bush	Y50 033 226	8		
60	Motor fix plate	R50 218 712	2		
61	Key	Y50 033 104	2		5×5×11.5
62	Motor	Y55 008 453	1	▲	
63	Nut (6)	H00 061 050	8		φ17.5
64	Special washer	K83 195 080	2		
65	Motor	Y55 004 451	1	▲	

Since the production of this model has already been discontinued, the above service parts cannot be supplied.



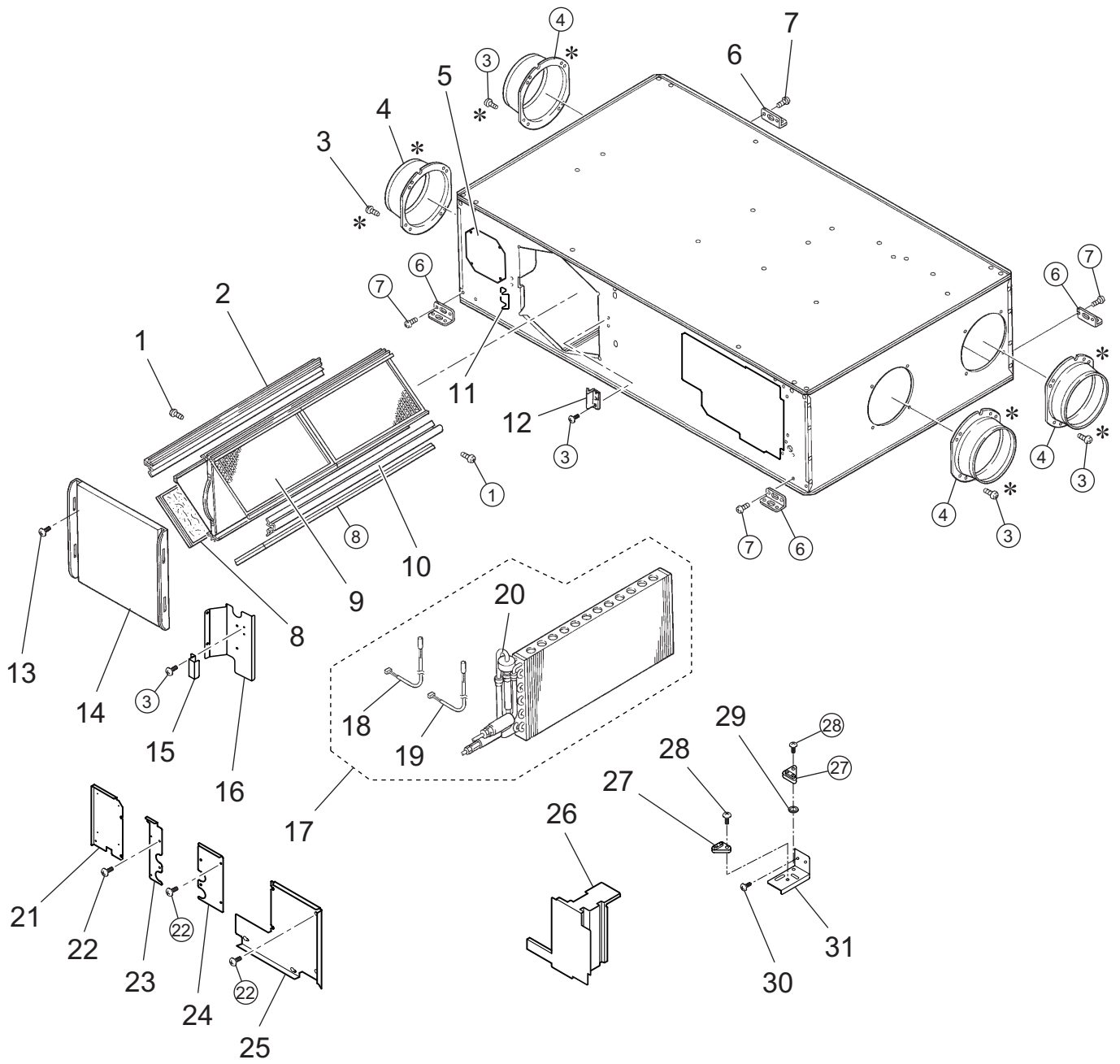
* shows accessory parts.

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No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
71	Motor cover	Y50 061 693	1		
72	Rod	R50 265 150	1		
73	Special bush	R50 054 225	2		
74	Pull spring	R50 074 156	1		
75	Damper support	R50 473 715	1		
76	Special bush	M31 234 089	2		
77	Damper	R50 473 716	1		
78	Damper motor	Y50 061 260	1	▲	AC220·240V
79	Thermistor	Y55 004 215	1	▲	
80	Cord clamber	D41 093 224	2		
81	Cord clip	R50 399 224	8		
82	PT screw 4×8	H00 000 349	1		
83	Transformer	Y55 001 217	1	▲	
84	PT screw 4×8 BS	H00 011 008	5		
85	Lock washer (4)	H00 013 076	5		
86	PPT screw 4×20	H00 141 005	1		
87	Terminal block	Y50 150 242	1	▲	3P
88	TB fix plate	R50 429 701	1		
89	PTT screw 4×6	H00 312 007	6		
90	Wiring diagram	Y55 009 367	1		
91	Control cover	R50 429 693	1		
92	Side plate	R50 430 693	1		
93	Cord bush	R50 351 225	4		
94	Circuit board	R50 472 171	1	▲	FU-M05-D1
95	PCB fix plate	R50 327 730	1		
96	PCB fix plate	R50 429 695	1		
97	PTT screw 4×10	H00 000 332	7		
98	Capacitor	Y55 008 235	1	▲	7.0μF·440VAC
99	Capacitor (2)	Y55 008 236	1	▲	4.5μF·440VAC
100	Separator	R50 530 699	2		
101	Separator	R50 530 700	2		
102	Cord band	R50 530 228	6		

Since the production of this model has already been discontinued, the above service parts cannot be supplied.

Structural parts



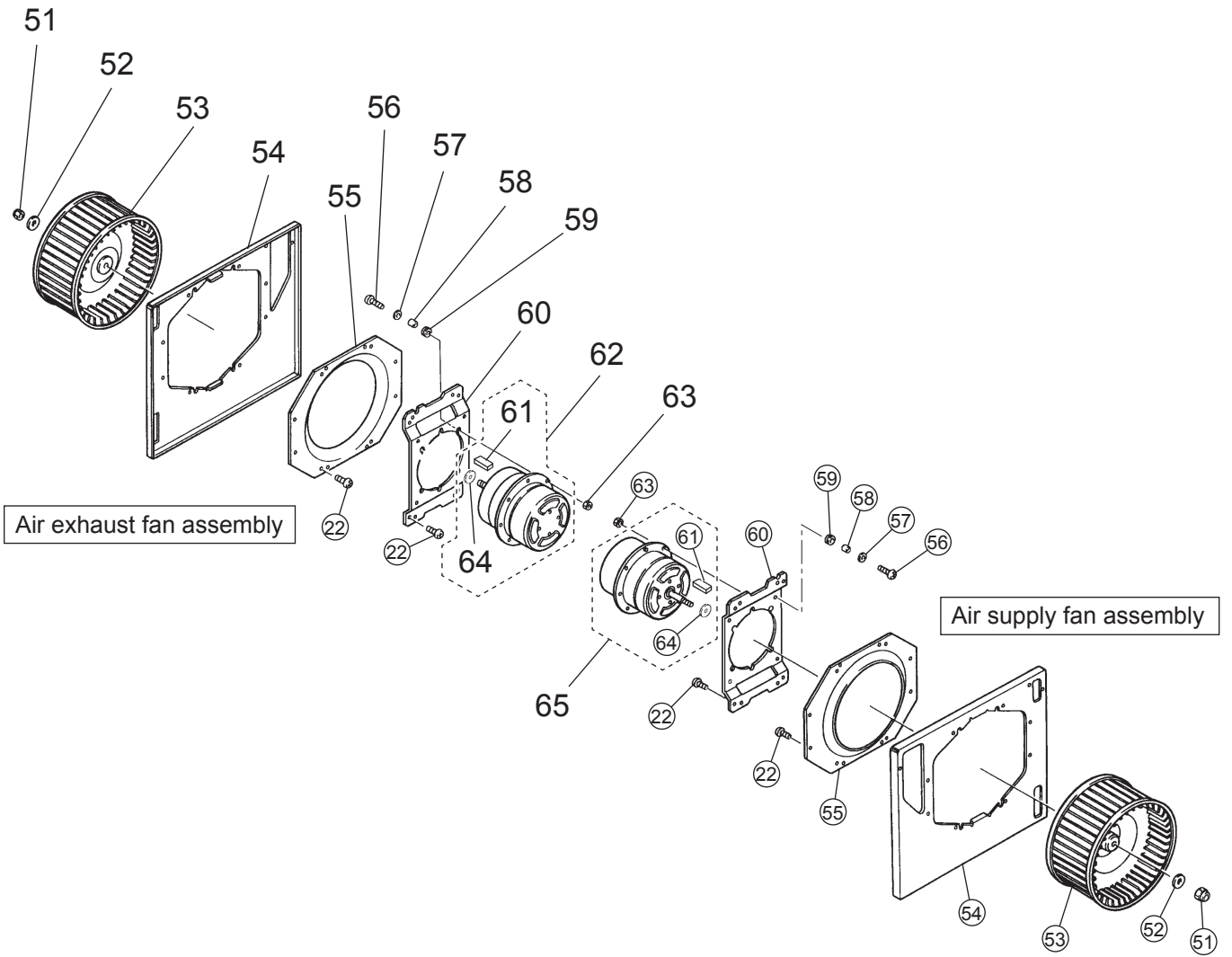
* shows accessory parts.

Structural parts

GUF-100RD3 4

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4x12	Y82 190 008	2		
2	Core guide	Y50 190 384	1		
3	PTT screw 4x8	Y45 650 009	83		
4	Flange	Y50 190 612	4		
5	Cover	Y50 190 745	2		
6	Hanger	Y50 190 380	4		
7	PT screw 6x12	Y50 190 008	16		
8	Filter	Y50 063 718	2	⚠	
9	Lossnay core	Y50 190 761	2	⚠	
10	Core guide	Y50 190 387	1		
11	Hinge	Y50 190 344	1		
12	Fix piece	Y50 029 712	2		
13	Spl screw 4x11	Y50 190 017	1		
14	Maint. cover	Y50 190 708	1		
15	Fix piece	Y50 190 696	1		
16	Fix plate	Y50 190 701	1		
17	Heat exchanger	Y50 190 703	1	⚠	For coolant
18	Thermistor	Y50 190 180	1	⚠	For the gas pipe
19	Thermistor	Y50 190 181	1	⚠	For the liquid pipe
20	Expansion valve	Y50 190 737	1	⚠	
21	Cover (left)	Y50 190 736	1		
22	PTT screw 5x10	Y50 190 012	34		
23	Cover (center)	Y50 190 738	1		
24	Cover (right)	Y50 190 739	1		
25	H. elem. cover	Y50 190 700	1		
26	H. elem. cover	Y50 190 688	1		
27	Water sensor	Y50 190 707	2	⚠	
28	Spl screw 4x12	Y50 190 048	2		
29	Special washer	Y50 190 080	1		
30	PTT screw 4x8	Y50 190 045	5		
31	Fix plate	Y55 007 692	1		

Fan parts

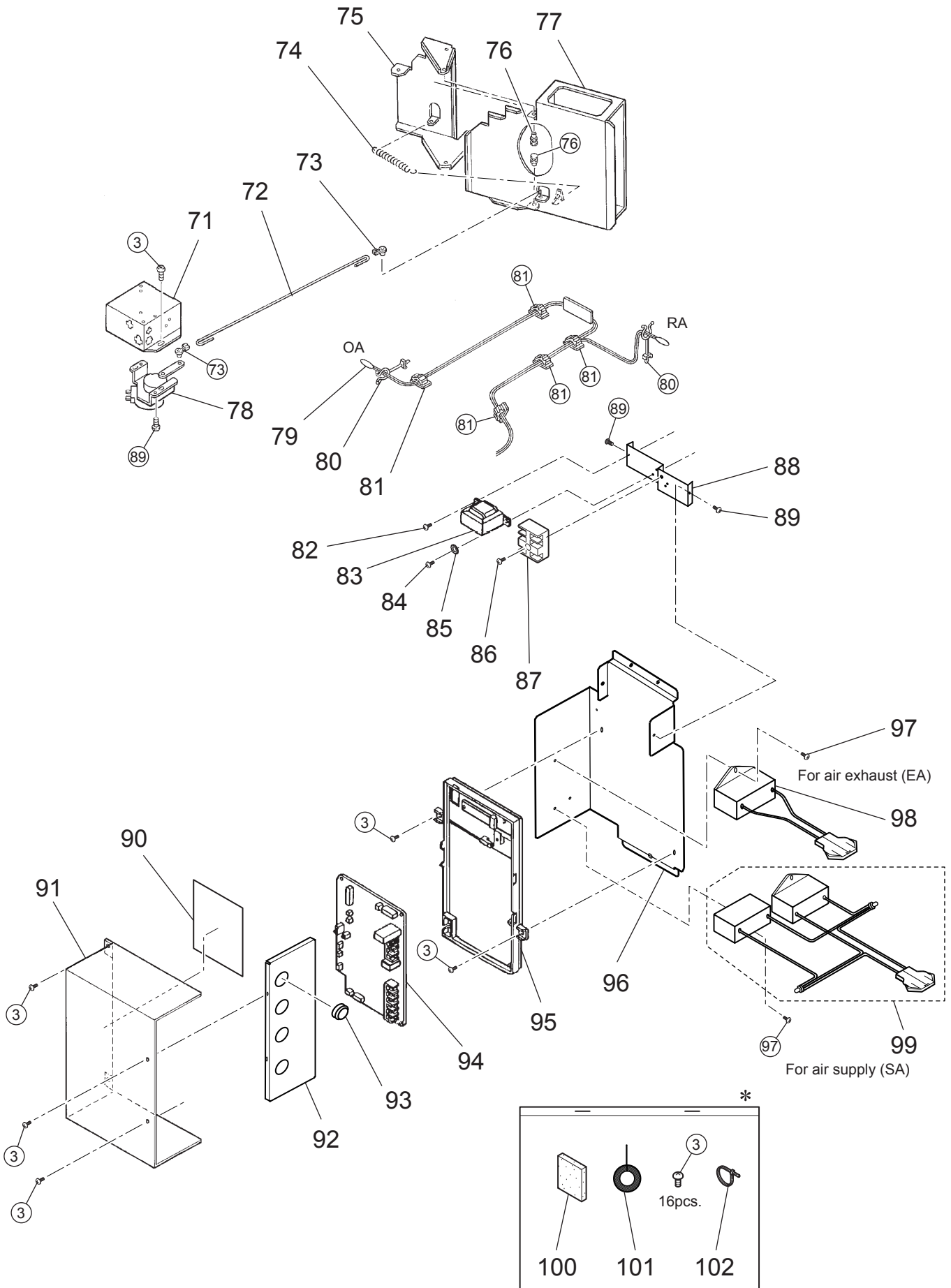


Fan parts

GUF-100RD3 4

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
51	Special nut (M12)	Y50 190 068	2		Left-handed
52	Washer (12)	Y50 190 073	2		
53	Centrifugal fan	Y50 190 481	2	⚠	φ245
54	Fan base	Y50 190 720	2		
55	Inlet ring	Y50 190 711	2		
56	PT screw 6x20	Y50 190 011	8		
57	Spl washer (6)	Y50 190 081	8		
58	Spacer	Y50 190 097	8		
59	Bush	Y50 033 226	8		
60	Motor fix plate	Y50 190 712	2		
61	Key	Y50 033 104	2		5x5x11.5
62	Motor	Y55 008 453	1	⚠	
63	Nut (M6)	Y83 028 052	8		
64	Special washer	Y81 293 080	2		φ17.5
65	Motor	Y55 004 451	1	⚠	

Control parts



* shows accessory parts.

Control parts

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No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
71	Motor cover	Y50 061 693	1		
72	Rod	Y50 190 152	1		
73	Special bush	Y50 190 235	2		
74	Pull spring	Y50 190 157	1		
75	Damper support	Y50 190 717	1		
76	Special bush	Y50 190 232	2		
77	Damper	Y50 190 718	1		
78	Damper motor	Y50 061 260	1	⚠	AC220·240V
79	Thermistor	Y55 004 215	1	⚠	
80	Cord clamper	Y50 190 223	2		
81	Cord clip	Y50 190 241	8		
82	PT screw 4x8	Y45 650 008	1		
83	Transformer	Y55 001 217	1	⚠	
84	PT screw 4x8 BS	Y50 190 010	5		
85	Lock washer (4)	Y45 650 076	5		
86	PPT screw 4x20	Y45 650 010	1		
87	Terminal block	Y50 150 242	1	⚠	3P
88	TB fix plate	Y50 190 698	1		
89	PTT screw 4x6	Y45 650 013	6		
90	Wiring diagram	Y55 009 367	1		
91	Control cover	Y50 190 693	1		
92	Side plate	Y50 190 699	1		
93	Bush	Y50 190 238	4		
94	Circuit board	Y50 190 171	1	⚠	
95	PCB fix plate	Y50 190 709	1		
96	PCB fix plate	Y50 190 694	1		
97	PTT screw 4x10	Y82 190 007	7		
98	Capacitor	Y55 008 235	1	⚠	7.0μF·440VAC
99	Capacitor (2)	Y55 008 236	1	⚠	4.5μF·440VAC
100	Heat insulator	Y50 190 734	2		
101	Heat insulator	Y50 190 735	2		
102	Cord band	Y50 190 243	6		