

Revision C:

- Parts numbers of thermistors have been corrected.

Please void OB287 REVISED EDITION-B.

OUTDOOR UNIT

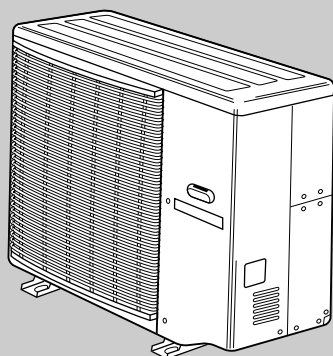
No. OB287
REVISED EDITION-C

SERVICE MANUAL

Models

MXZ-24UV - **E1**

MXZ-24UV - **E2**



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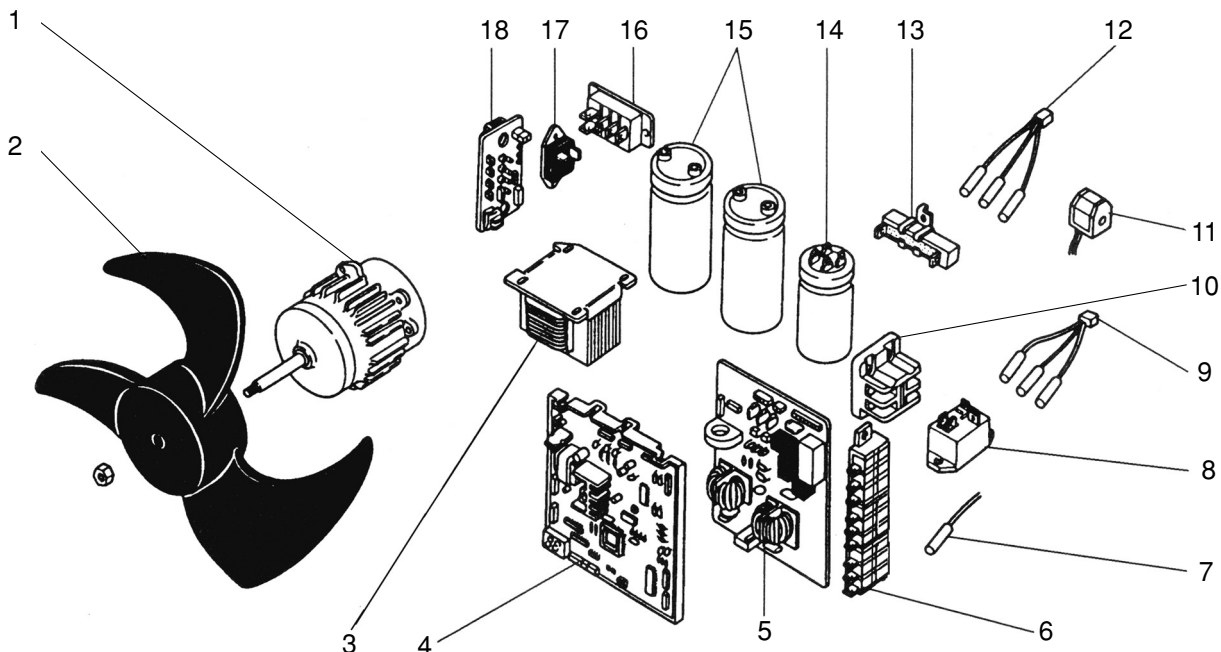
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This manual describes technical data of the outdoor unit.
For the indoor unit, refer to the service manuals No. OB229, OB227, OB252, OB212, OB239 and OC165.

14-1. OUTDOOR UNIT FUNCTIONAL PARTS

MXZ-24UV -E1

MXZ-24UV -E2



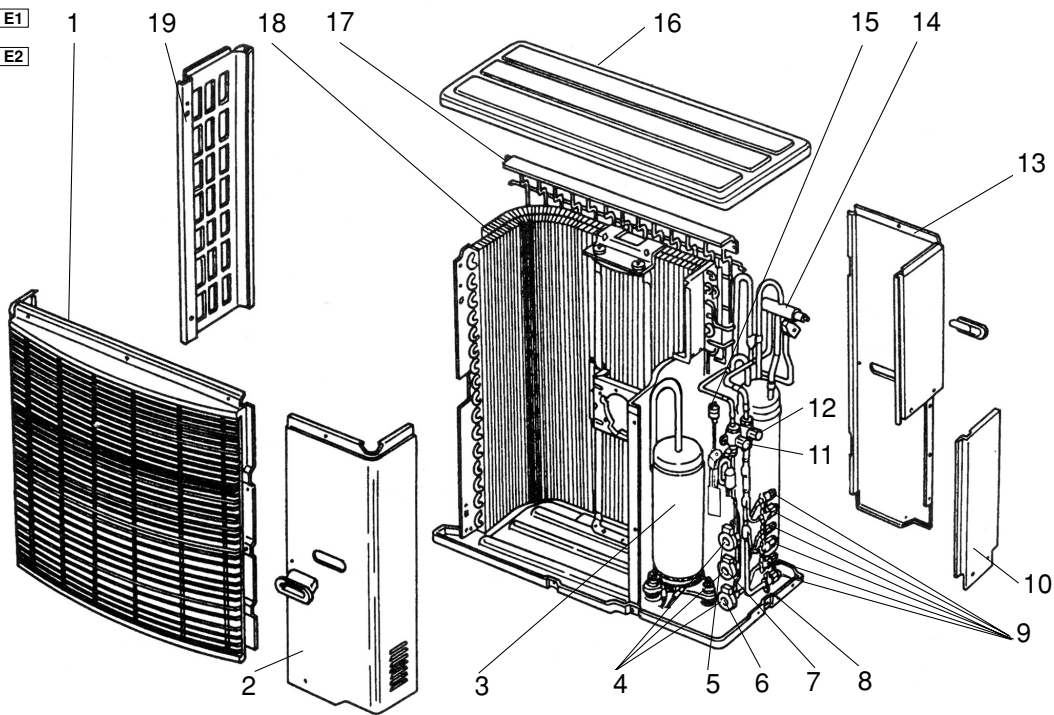
Part numbers that are circled are not shown in the illustration.

No.	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty / unit		Remarks
				MXZ-24UV-E1	MXZ-24UV-E2	
1	T2W E40 301	OUTDOOR FAN MOTOR	MF61	1	1	RA6V60 - □□
2	M21 17A 501	PROPELLER FAN		1	1	
3	M21 17E 337	REACTOR	L	1	1	
4	T2W E89 451	ELECTRONIC CONTROL P.C. BOARD		1	1	
5	T2W E79 424	NOISE FILTER P.C. BOARD		1		
	T2W G01 424	NOISE FILTER P.C. BOARD			1	
6	T2W E58 376	TERMINAL BLOCK	TB2, 3, 4	3	3	
7	M21 42A 308	FIN TEMPERATURE THERMISTOR	RT65	1	1	
8	M21 42A 340	RELAY	X64	1	1	
9	M21 AS2 308	THERMISTOR SET	RT61, 62, 63	1	1	EVAPORATION DISCHARGE, DEFROST
10	T2W E65 375	TERMINAL BLOCK	TB1	1	1	
11	T2W E70 398	R. V. COIL	21S4	1	1	
12	T2W E88 307	GAS PIPE TEMPERATURE THERMISTOR	RT66,67,68	1	1	A,B,C
13	M21 17A 362	RESISTOR	R	1		10Ω
	T2W G01 362	RESISTOR	R		1	20Ω
14	T2W E40 357	POWER FACTOR CAPACITOR	C61	1	1	220μF 400V
15	T2W E40 356	SMOOTHING CAPACITOR	C62,C63	2	2	2500μF 400V
16	M21 17A 443	DIODE MODULE	DS61	1	1	
17	M21 17A 447	DIODE STACK	DS62	1	1	
18	T2W E40 452	I.P.M P.C. BOARD		1	1	
①9	T2W E40 441	RELAY P.C. BOARD		1	1	
②0	T2W E66 382	FUSE	F801,F911	2	2	1A
②1	T2W E89 313	FUSE&VARISTOR	F912,NR63		1	3.15A
②2	M21 370 378	TERMINAL BLOCK	TB5	1		

14-2. OUTDOOR UNIT STRUCTURAL PARTS

MXZ-24UV -**E1**

MXZ-24UV -**E2**



Part numbers that are circled are not shown in the illustration.

No.	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty / unit		Remarks
				MXZ-24UV- E1	MXZ-24UV- E2	
1	M21 AS2 232	FRONT PANEL		1		
2	M21 17A 245	SERVICE PANEL		1		
3	T92 500 800	COMPRESSOR	MC	1		THV247FBA
4	M21 90V 646	EXPANSION VALVE		3		
5	T2W E70 653	EXPANSION VALVE COIL	LEV C	1		C room
	T2W E95 653	LEV COIL		1		
	T2W E95 655	EXPANSION VALVE		1		
6	T2W E70 651	EXPANSION VALVE COIL	LEV A	1		A room
	T2W E95 651	LEV COIL		1		
	T2W E95 655	EXPANSION VALVE		1		
7	T2W E70 652	EXPANSION VALVE COIL	LEV B	1		B room
	T2W E95 652	LEV COIL		1		
	T2W E95 655	EXPANSION VALVE		1		
8	T2W E79 290	BASE ASSEMBLY		1		
9	M21 42E 644	UNION		1		1/2,3/8,1/4 SET
10	T2W E40 247	PIPE COVER		1		
11	M21 AN8 667	BALL VALVE 3/8		1		
12	M21 HG1 667	BALL VALVE 5/8		1		
13	T2W E70 248	REAR PANEL		1		
14	M21 48A 961	4-WAY VALVE		1		
15	T2W E79 646	HIGH PRESSURE SWITCH	63H1	1		2.75MPa(28kg/cm ²)
16	M21 17A 297	TOP PANEL		1		
17	T2W E40 523	REAR GUARD		1		
18	M21 42E 630	HEAT EXCHANGER		1		
19	M21 17A 249	SIDE PANEL		1		
20	T2W E40 646	HIGH PRESSURE SWITCH	63H2	1		3.43MPa(35kg/cm ²)
21	M21 986 936	CAPILLARY TUBE		3		φ4.0×φ2.4×400
22	M21 LV0 936	CAPILLARY TUBE SET		3		φ3.0×φ2.0×200
23	T2W E59 936	CAPILLARY TUBE		1		φ2.5×φ0.6×1000
24	T2W E70 936	CAPILLARY TUBE		1		φ2.0×φ0.6×750

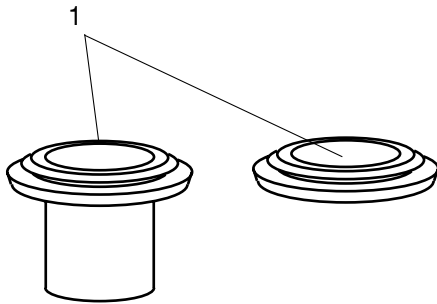
When servicing, cut the tube to the proper length as shown in the REFRIGERANT SYSTEM DIAGRAM.
See page 11.



14-3. ACCESSORY PARTS

MXZ-24UV - **E1**

MXZ-24UV - **E2**



No.	Parts No.	Parts Name	Symbol in Wiring Diagram	Q'ty / unit	Remarks
				MXZ-24UV - E1 MXZ-24UV - E2	
1	T2W E59 704	DRAIN SOCKET ASSEMBLY		1	DRAIN SOCKET ×1 DRAIN CAP ×2

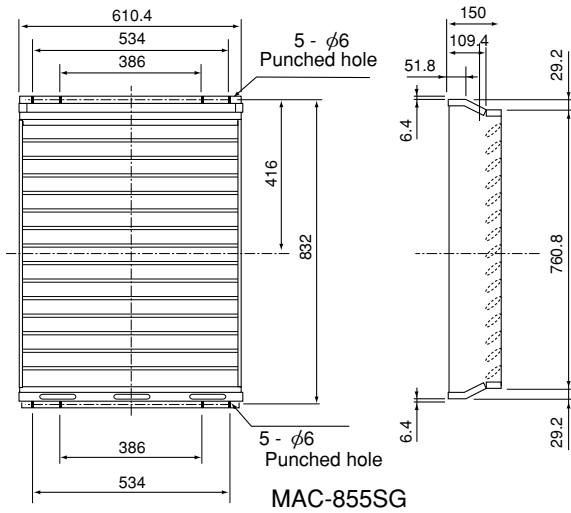
15-1. DIFFERENT-DIAMETER PIPE

MXZ-24UV	Model name	Connected pipes diameter (mm)
For different-diameter pipes	MAC-454JP	$\phi 9.52$ — $\phi 12.7$ (3/8) (1/2)
	MAC-455JP	$\phi 12.7$ — $\phi 9.52$ (1/2) (3/8)
	MAC-456JP	$\phi 12.7$ — $\phi 15.88$ (1/2) (5/8)

15-2. OUTLET GUIDE

Changes air discharge direction.

Applied unit	Model name	Model code
MXZ-24UV	MAC-855SG	51H-855





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