

Revision A:

• MUZ-HX09/12NL-**U1** have been added.

OBB953 is void.

OUTDOOR UNIT

PARTS CATALOG



No. OBB953
REVISED EDITION-A

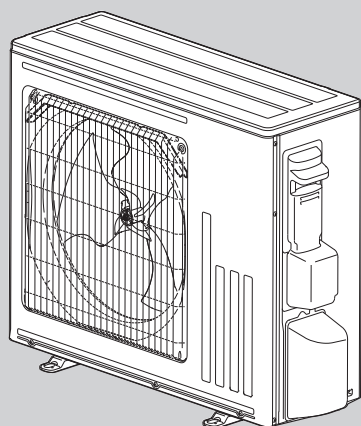
Models

MUZ-HX09NL - **U1**

MUZ-HX12NL - **U1**

MUZ-HX18NL - **U1**

MUZ-HX24NL - **U1**



MUZ-HX18NL

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SERVICE MANUAL (OBH953)

Revision A:

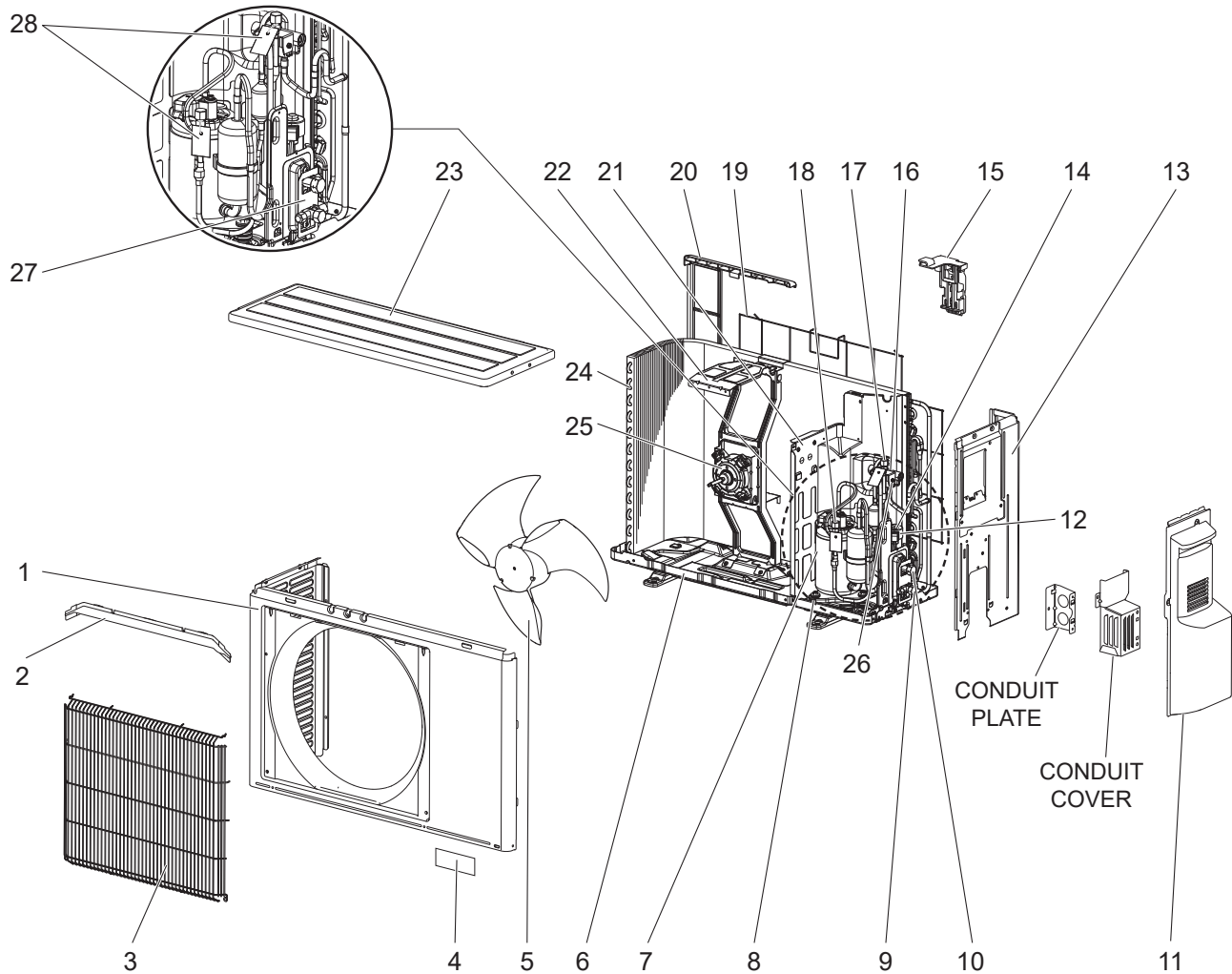
• MUZ-HX09/12NL- have been added.

1**SERVICE PARTS LIST**

MUZ-HX09NL MUZ-HX12NL

1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

NOTE: Always attach the red labels to the specified locations.



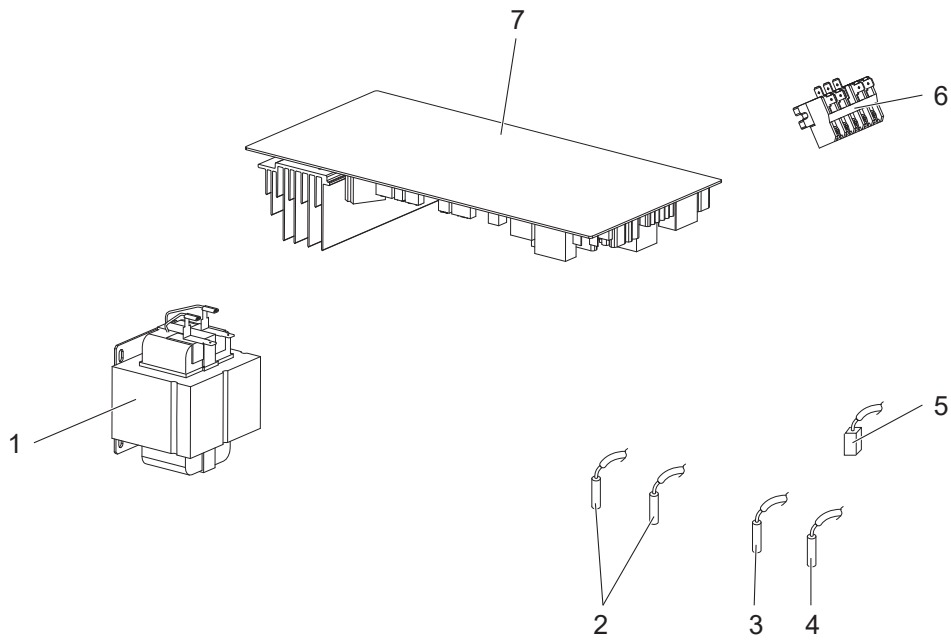
1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

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	MUZ-HX09NL - [U1]	MUZ-HX12NL - [U1]	Symbol in Wiring Diagram	Remarks
1	U01 A05 232	CABINET	1			
1	U01 A06 232	CABINET		1		
2	U01 A01 531	ICE GUARD	1	1		
3	U01 A03 521	GRILLE (OUT)	1	1		
4	U01 M01 987	LOGO LABEL (MITSUBISHI)	1	1		
5	U01 A01 501	PROPELLER FAN	1	1		
6	U01 A02 290	BASE	1	1		
7	U01 A18 900	COMPRESSOR (KRB073FATMC)	1		MC	KRB073FATMC
7	U01 A17 900	COMPRESSOR (SRB140FQHMC)		1	MC	SRB140FQHMC
8	U01 A01 506	COMPRESSOR RUBBER SET	3	3		3 RUBBERS/SET
9	U01 A10 661	STOP VALVE (GAS)	1	1		ø3/8 (ø9.52)
10	U01 A12 661	STOP VALVE (LIQUID)	1	1		ø1/4 (ø6.35)
11	U01 A03 245	SERVICE PANEL	1	1		
12	U01 A08 493	EXPANSION VALVE COIL	1	1	LEV	
13	U01 A01 233	BACK PANEL	1	1		
14	U01 A07 401	EXPANSION VALVE	1			
14	U01 A08 401	EXPANSION VALVE		1		
15	U01 A03 079	THERMO HOLDER	1			for RT65
15	U01 A02 079	THERMO HOLDER		1		for RT65
16	U01 A07 961	4-WAY VALVE	1			
16	U01 A06 961	4-WAY VALVE		1		
17	U01 A02 641	SERVICE PORT (L)	1	1		Suction pipe
18	U01 A02 641	SERVICE PORT (H)	1	1		Discharge pipe
19	U01 A02 525	CONDENSER WIRE NET	1			
19	U01 A01 525	CONDENSER WIRE NET		1		
20	U01 A03 525	CONDENSER NET	1			
20	U01 A01 523	CONDENSER NET		1		
21	U01 A14 293	SEPARATOR	1			
21	U01 A10 293	SEPARATOR		1		
22	U01 A04 515	MOTOR SUPPORT	1			
22	U01 A01 515	MOTOR SUPPORT		1		
23	U01 A01 297	TOP PANEL	1	1		
24	U01 A08 630	OUTDOOR HEAT EXCHANGER	1			
24	U01 A10 630	OUTDOOR HEAT EXCHANGER		1		
25	U01 A03 301	OUTDOOR FAN MOTOR	1	1	MF	
26	U01 A03 490	R.V. COIL	1	1	21S4	
27	U01 010 987	RED LABEL	1	1		
28	U01 011 987	RED LABEL	2	2		
②9	U01 A07 936	CAPILLARY TUBE	1			O.D. 0.118 × I.D. 0.079 × 9-7/16 (ø3.0 × ø2.0 × 240)
③0	U01 A02 936	CAPILLARY TUBE		1		O.D. 0.157 × I.D. 0.094 × 9-7/16 (ø4.0 × ø2.4 × 240)
③1	U01 A01 936	CAPILLARY TUBE		4		O.D. 0.118 × I.D. 0.079 × 8-9/32 (ø3.0 × ø2.0 × 210)

MUZ-HX09NL MUZ-HX12NL
1-2. OUTDOOR UNIT ELECTRICAL PARTS



1-2. OUTDOOR UNIT ELECTRICAL PARTS

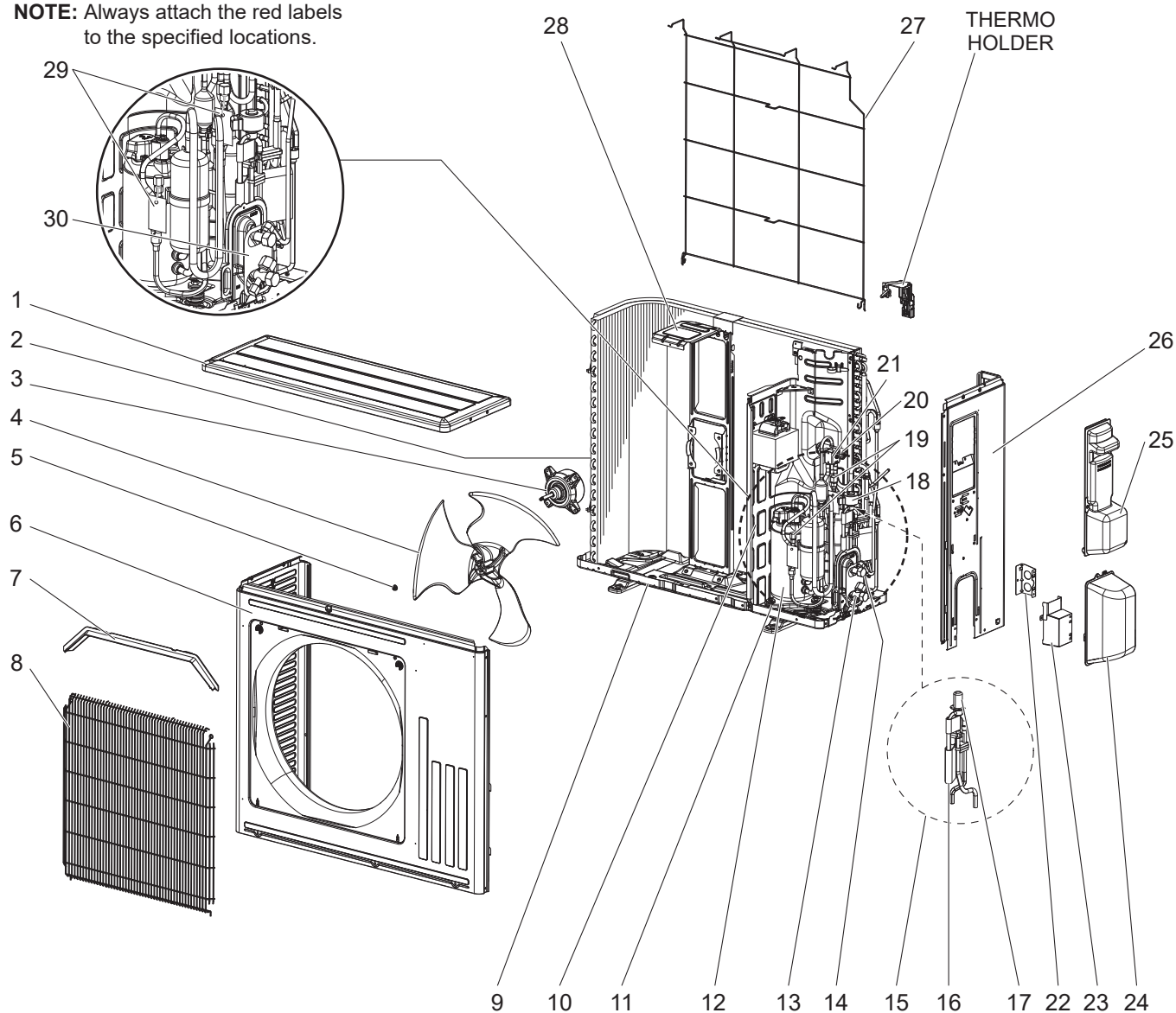
1. The part quantity below indicates the required number of pieces per unit.

No.	Part No.	Part Name	MUZ-HX09NL - ☐ U1	MUZ-HX12NL - ☐ U1	Symbol in Wiring Diagram	Remarks
1	U01 A02 337	REACTOR	1		L61	
1	U01 A01 337	REACTOR		1	L61	
2	U01 A01 306	THERMISTOR SET	1	1	RT61, RT62	DEFROST, DISCHARGE TEMPERATURE
3	U01 A03 308	AMBIENT TEMPERATURE THERMISTOR	1	1	RT65	
4	U01 A02 307	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	1	1	RT68	
5	U01 A20 900	COMPRESSOR PROTECTOR	1	1	26C	
6	U01 A08 374	TERMINAL BLOCK	1	1	TB	5 P
7	U01 A94 451	INVERTER P.C. BOARD	1			Includes heat sink and RT64
7	U01 A95 451	INVERTER P.C. BOARD		1		Includes heat sink and RT64

MUZ-HX18NL

1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

NOTE: Always attach the red labels to the specified locations.



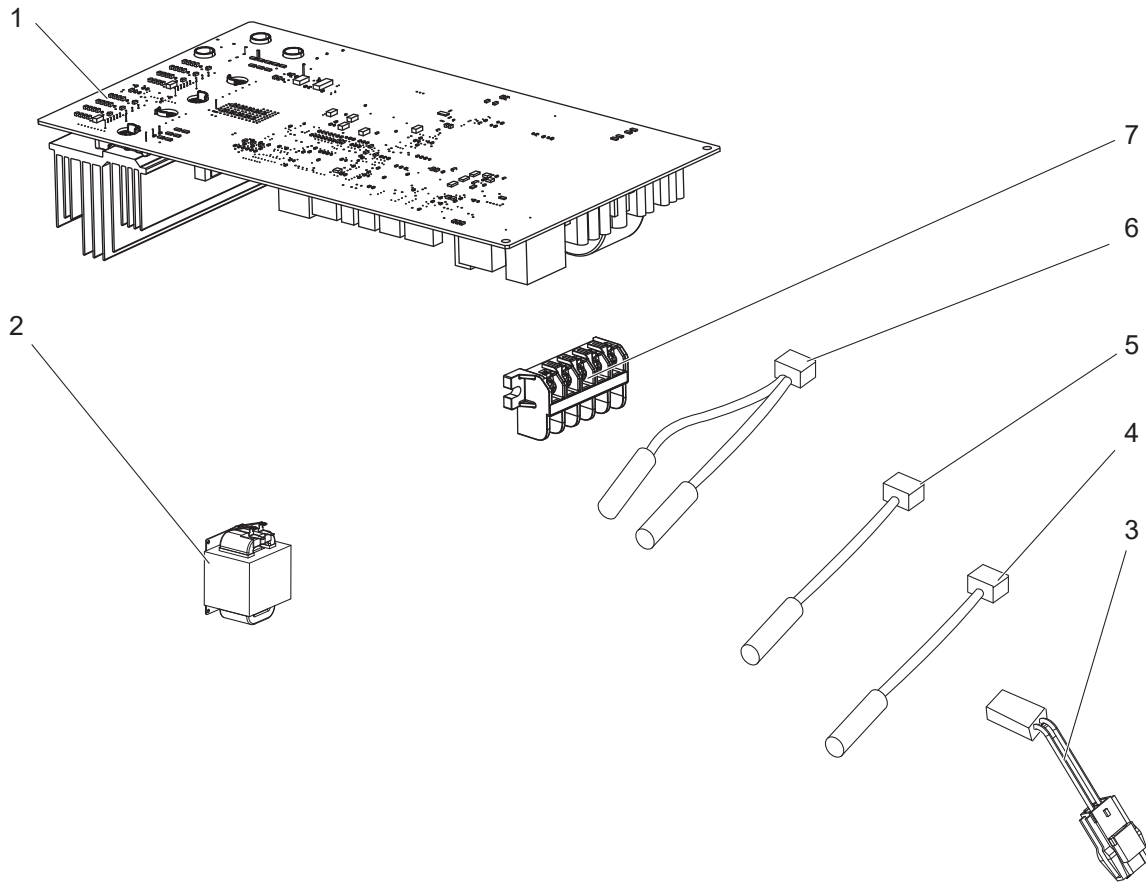
1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

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

No.	Part No.	Part Name	MUZ-HX18NL - [U1]	Symbol in Wiring Diagram	Remarks [Drawing No.]
1	E22 Y86 297	TOP PANEL	1		
2	E22 7C9 630	OUTDOOR HEAT EXCHANGER	1		
3	E22 7C9 301	OUTDOOR FAN MOTOR	1	MF	
4	E22 Y86 501	PROPELLER FAN	1		
5	E27 L05 508	PROPELLER FAN NUT	1		
6	E22 8H1 232	CABINET	1		
7	E22 Y86 531	ICE GUARD	1		
8	E22 Y86 521	GRILLE (OUT)	1		
9	E22 44P 290	BASE	1		
10	E22 3A2 293	SEPARATOR	1		
11	E22 C34 506	COMPRESSOR RUBBER SET	3		3 RUBBERS/SET
12	E22 9H3 900	COMPRESSOR	1	MC	SRB140FQHMT
13	E22 8E3 661	STOP VALVE (GAS)	1		1/2 (ø12.7)
14	E22 8E3 662	STOP VALVE (LIQUID)	1		1/4 (ø6.35)
15	E22 8E3 645	EXPANSION VALVE ASSEMBLY	1		Includes LEV body and capillary tube O.D. 0.157 × I.D. 0.094 × 9-7/16 (ø4.0 × ø2.4 × 240)
16	E22 8E3 936	CAPILLARY TUBE	1		O.D. 0.157 × I.D. 0.094 × 9-7/16 (ø4.0 × ø2.4 × 240)
17	E22 8E3 640	EXPANSION VALVE	1		
18	E22 83Y 493	EXPANSION VALVE COIL	1	LEV	
19	E22 L85 641	SERVICE PORT	2		
20	E22 75R 961	4-WAY VALVE	1		
21	E22 75R 490	R.V. COIL	1	21S4	
22	E22 29F 978	CONDUIT PLATE	1		
23	E22 7C9 979	CONDUIT COVER	1		
24	E22 Y86 650	VALVE COVER	1		
25	E22 7C9 245	SERVICE PANEL	1		
26	E22 8H1 233	BACK PANEL (OUT)	1		
27	E22 Y86 525	CONDENSER WIRE NET	1		
28	E22 Y86 515	MOTOR SUPPORT	1		
29	—	RED LABEL	2		[JU79C067H01] For SERVICE PORT
30	—	RED LABEL	1		[JU79C062H02] For STOP VALVE

MUZ-HX18NL

1-4. OUTDOOR UNIT ELECTRICAL PARTS



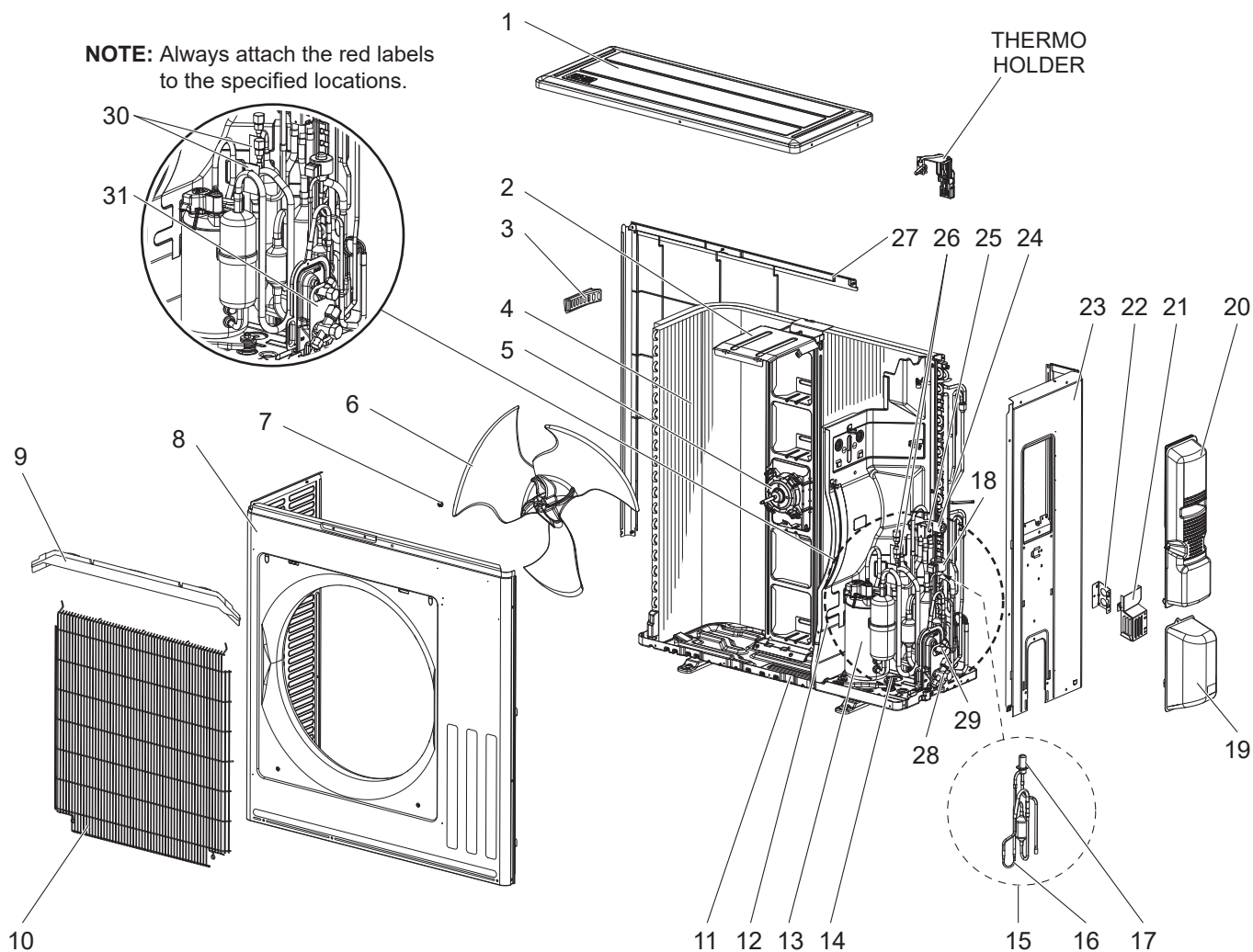
1-4. OUTDOOR UNIT ELECTRICAL PARTS

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

No.	Part No.	Part Name	MUZ-HX18NL - U1	Symbol in Wiring Diagram	Remarks
1	E22 8H1 451	INVERTER P.C. BOARD	1		Includes heat sink and RT64
2	E22 N94 337	REACTOR	1	L61	
3	E22 41X 381	COMPRESSOR PROTECTOR	1	26C	
4	E22 Y86 309	AMBIENT TEMPERATURE THERMISTOR	1	RT65	
5	E22 C34 307	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	1	RT68	
6	E22 Y86 306	THERMISTOR SET	1	RT61, RT62	DEFROST, DISCHARGE TEMPERATURE combined type
7	E22 9H2 374	TERMINAL BLOCK	1	TB1	5 P

MUZ-HX24NL

1-5. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



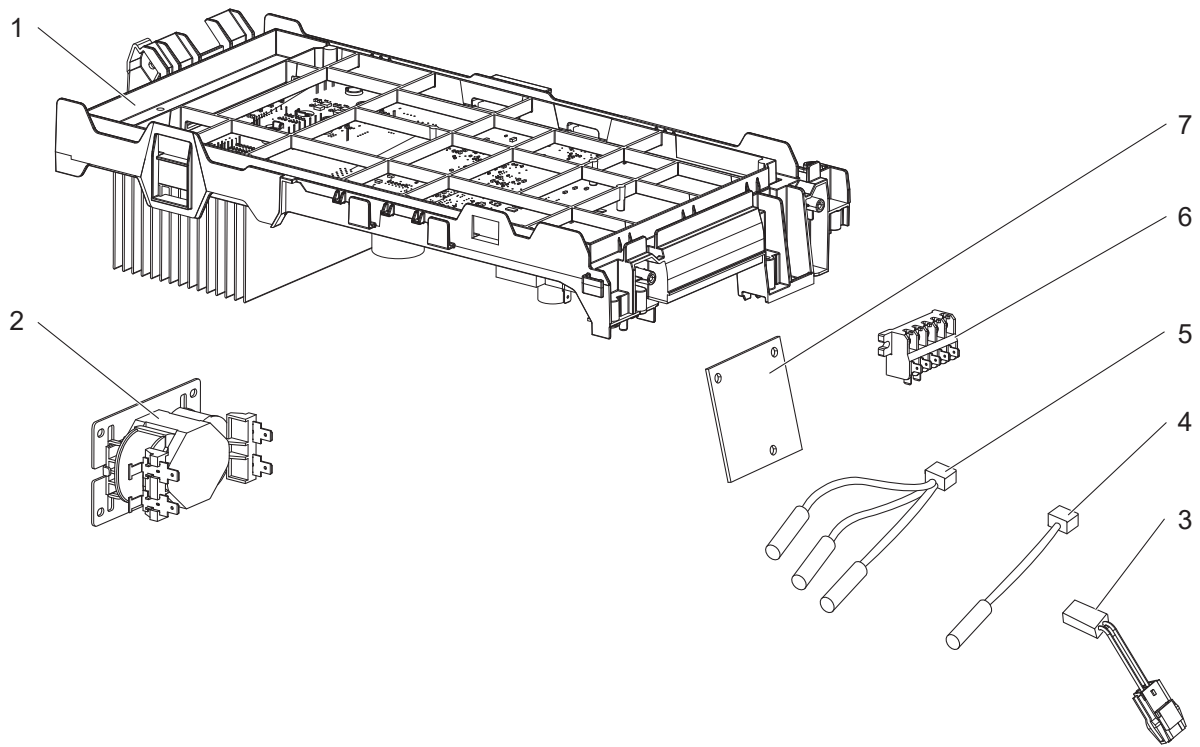
1-5. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

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

No.	Part No.	Part Name	MUZ-HX24NL - [U1]	Symbol in Wiring Diagram	Remarks [Drawing No.]
1	E22 L87 297	TOP PANEL	1		
2	E22 8F7 515	MOTOR SUPPORT	1		
3	E22 817 009	HANDLE	1		
4	E22 7H3 630	OUTDOOR HEAT EXCHANGER	1		
5	E22 3D5 301	OUTDOOR FAN MOTOR	1	MF	
6	E22 91F 501	PROPELLER FAN	1		
7	E27 L05 508	PROPELLER FAN NUT	1		
8	E22 7H3 232	CABINET	1		
9	E22 33N 531	ICE GUARD	1		
10	E22 91F 521	GRILLE (OUT)	1		
11	E22 52V 290	BASE	1		
12	E22 7H3 293	SEPARATOR	1		
13	E22 7H3 900	COMPRESSOR	1	MC	SRB172FQHMT
14	E22 C34 506	COMPRESSOR RUBBER SET	3		3 RUBBERS/SET
15	E22 7H3 645	EXPANSION VALVE ASSEMBLY	1		Includes LEV body, capillary tube O.D. 0.157 × I.D. 0.094 × 3-15/16 (ø4.0 × ø2.4 × 100), muffler
16	E27 Y91 936	CAPILLARY TUBE	1		O.D. 0.157 × I.D. 0.094 × 3-15/16 (ø4.0 × ø2.4 × 100)
17	E22 9H5 640	EXPANSION VALVE	1		
18	E22 9H5 493	EXPANSION VALVE COIL	1	LEV	
19	E22 Y86 650	VALVE COVER	1		
20	E22 91F 245	SERVICE PANEL	1		
21	E22 43F 979	CONDUIT COVER	1		
22	E22 29F 978	CONDUIT PLATE	1		
23	E22 33N 233	BACK PANEL (OUT)	1		
24	E22 75R 961	4-WAY VALVE	1		
25	E22 9H5 490	R.V. COIL	1	21S4	
26	E22 L85 641	SERVICE PORT	2		
27	E22 3D5 523	CONDENSER NET	1		
28	E22 33N 661	STOP VALVE(GAS)	1		ø1/2 (ø12.7)
29	E22 33N 662	STOP VALVE(LIQUID)	1		ø1/4 (ø6.35)
30	—	RED LABEL	2		[JU79C067H01] FOR SERVICE PORT
31	—	RED LABEL	1		[JU79C062H02] FOR STOP VALVE

MUZ-HX24NL

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.

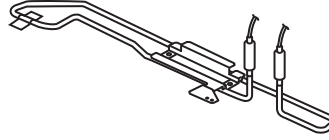
No.	Part No.	Part Name	MUZ-HX24NL - U1	Symbol in Wiring Diagram	Remarks
1	E22 8H2 451	INVERTER P.C. BOARD	1		Includes PB support, heat sink and RT64
2	E22 R84 337	REACTOR	1	L	
3	E22 42X 381	COMPRESSOR PROTECTOR	1	26C	
4	E22 29F 309	AMBIENT TEMPERATURE THERMISTOR	1	RT65	
5	E22 49P 306	THERMISTOR SET	1	RT61, RT62, RT68	DEFROST, DISCHARGE TEMPERATURE, OUTDOOR HEAT EXCHANGER TEMPERATURE
6	E22 52V 374	TERMINAL BLOCK	1	TB1	5 P
7	E22 88R 382	FUSE P.C. BOARD	1	F65, F66	T6.3AL250V

2

OPTIONAL PARTS

2-1. DEFROST HEATER

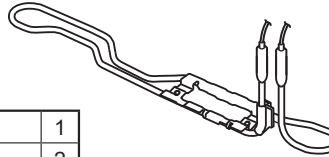
Model	Parts No.
MUZ-HX09NL MUZ-HX12NL MUZ-HX18NL	MAC-650BH - U



Components

① Defrost heater	1	④ Self drilling screw	2
② Aluminum tape	1	⑤ Cable clamp	1
③ Heater support	1	⑥ Insulation	1

Model	Parts No.
MUZ-HX24NL	MAC-660BH - U



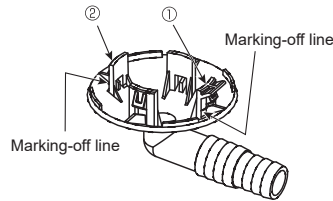
Components

① Defrost heater	1	④ Cable clamp	1
② Heater support	1	⑤ Self drilling screw	2
③ Cable tie	1	⑥ Wiring diagram	1

Note: Refer to the installation manual for the installation.

2-2. DRAIN SOCKET

Model	Parts No.
MUZ-HX09NL MUZ-HX12NL MUZ-HX18NL MUZ-HX24NL	MAC-871DS



Installing a Drain Socket

For Φ 1-5/8 (Φ 42) hole

Put the tab ① in the hole first, and then the tab ②.

MITSUBISHI ELECTRIC CORPORATION

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Issued: Apr. 2025. No.OBB953 REVISED EDITION-A

Published: Oct. 2024. No. OBB953

Made in Japan

Specifications are subject to change without notice.