MITSUBISHI ELECTRIC

SPLIT-TYPE AIR CONDITIONERS

Revision C:
- **MUZ-HM09/12/15/18NA-U2** and **MUZ-HM09/12/15/18/24NAH-U1** have been added.

OBB747 REVISED EDITION-B is void.

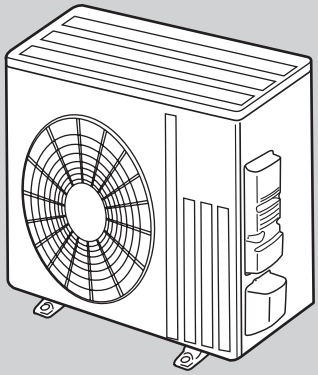
OUTDOOR UNIT

No. OBB747
REVISED EDITION-C

PARTS CATALOG

Models

MUZ-HM09NA - U1, U2, U8
MUZ-HM09NA2 - U1, U8
MUZ-HM09NAH - U1
MUZ-HM12NA - U1, U2, U8
MUZ-HM12NA2 - U1, U8
MUZ-HM12NAH - U1
MUZ-HM15NA - U1, U2
MUZ-HM15NA2 - U1
MUZ-HM15NAH - U1
MUZ-HM18NA - U1, U2
MUZ-HM18NA2 - U1
MUZ-HM18NAH - U1
MUZ-HM24NA - U1
MUZ-HM24NA2 - U1
MUZ-HM24NAH - U1



MUZ-HM24NA

CONTENTS

1. SERVICE PARTS LIST ····· 2
2. OPTIONAL PARTS ····· 14

SERVICE MANUAL (OBH747)

Revision A:
• **MUZ-HM09/12NA-**U8**, MUZ-HM09/12NA2-**U8**, MUZ-HM15/18NA-**U1**, MUZ-HM15/18NA2-**U1 and **MUZ-HM24NA2-**U1 have been added.

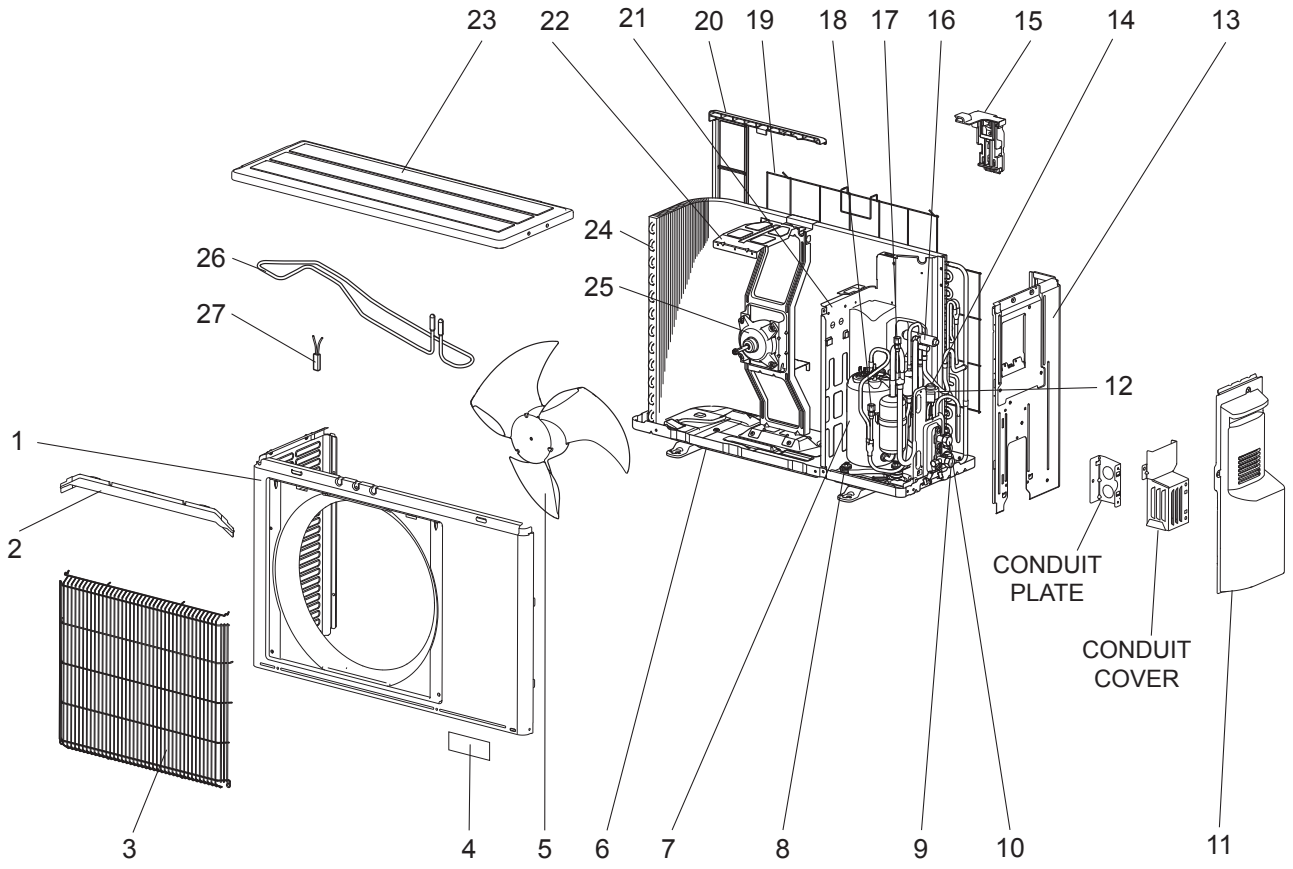
Revision B:
• **MUZ-HM09/12NA-**U1 and **MUZ-HM09/12NA2-**U1 have been added.

Revision C:
• **MUZ-HM09/12/15/18NA-**U2 and **MUZ-HM09/12/15/18/24NAH-**U1 have been added.

1 SERVICE PARTS LIST

MUZ-HM09NA - U1**,** U2 **MUZ-HM09NA2 -** U1 **MUZ-HM09NAH -** U1
MUZ-HM12NA - U1, U2 **MUZ-HM12NA2 -** U1 **MUZ-HM12NAH -** U1

1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



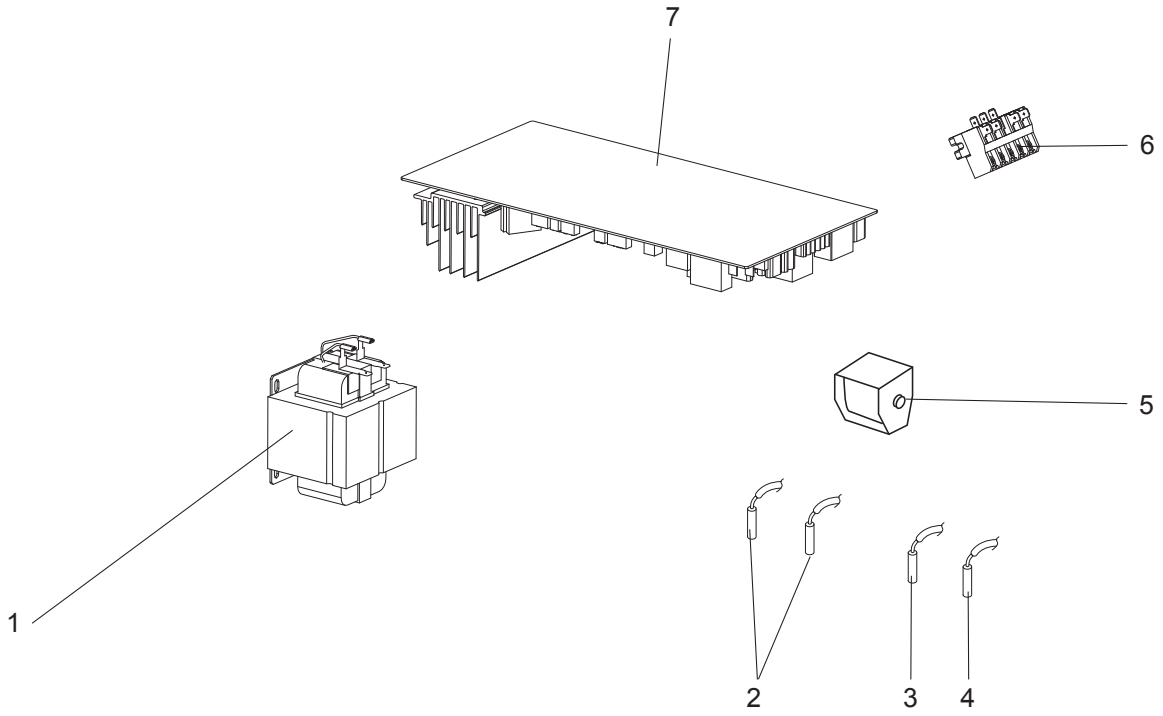
1-1. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

Part number that is circled is not shown in the illustration.

No.	Part No.	Part name	Symbol in Wiring Diagram	Q'ty/unit								Remarks
				MUZ-HM								
				09NA - U1	09NA2 - U1	09NA - U2	09NAH - U1	12NA - U1	12NA2 - U1	12NA - U2	12NAH - U1	
1	U01 A01 232	CABINET		1	1	1	1	1	1	1	1	
2	U01 A01 531	ICE GUARD		1	1	1	1	1	1	1	1	
3	U01 A01 521	GRILLE		1	1			1	1			
	U01 A02 521					1	1			1	1	
4	U01 M01 987	LOGO LABEL (MITSUBISHI)				1	1			1	1	
5	U01 A01 501	PROPELLER FAN		1	1	1	1	1	1	1	1	
6	U01 A02 290	BASE		1	1	1		1	1	1		
	U01 A01 290						1				1	
7	U01 A03 900	COMPRESSOR (KNB073FRVMC)	MC	1	1			1	1			KNB073FRVMC
	U01 A07 900	COMPRESSOR (KNB073FRXMC)				1	1			1	1	KNB073FRXMC
8	U01 A01 506	COMP. RUBBER SET		3	3	3	3	3	3	3	3	3RUBBERS/SET
9	U01 A01 661	STOP VALVE (GAS)		1	1	1	1	1	1	1	1	ø3/8 (ø9.52)
10	U01 A01 662	STOP VALVE (LIQUID)		1	1	1	1	1	1	1	1	ø1/4 (ø6.35)
11	U01 A01 245	SERVICE PANEL		1	1	1	1	1	1	1	1	
12	U01 A01 493	EXPANSION VALVE COIL	LEV	1	1	1	1	1	1	1	1	
13	U01 A01 233	BACK PANEL		1	1	1	1	1	1	1	1	
14	U01 A01 640	EXPANSION VALVE		1	1			1	1			
	U01 001 401					1	1			1	1	
15	U01 A03 079	THERMO HOLDER		1	1	1	1	1	1	1	1	
16	U01 A03 961	4-WAY VALVE		1	1			1	1			
	U01 A04 961					1	1			1	1	
17	U01 A01 641	SERVICE PORT (L)		1	1	1	1	1	1	1	1	1PC/SET
18	U01 A02 641	SERVICE PORT (H)		1	1	1	1	1	1	1	1	
19	U01 A02 525	CONDENSER WIRE NET		1	1	1	1	1	1	1	1	
20	U01 A03 525	CONDENSER NET		1	1	1	1	1	1	1	1	
21	U01 A03 293	SEPARATOR		1	1			1	1			
	U01 A06 293					1				1		
	U01 A07 293						1				1	
22	U01 A02 515	MOTOR SUPPORT		1	1	1	1	1	1	1	1	
23	U01 A01 297	TOP PANEL		1	1	1	1	1	1	1	1	
24	U01 A02 630	OUTDOOR HEAT EXCHANGER		1	1			1	1			
	U01 A06 630					1	1			1	1	
25	U01 A01 301	OUTDOOR FAN MOTOR	MF	1	1			1	1			RC0J55-□□
	U01 A03 301					1	1			1	1	
26	U01 A01 526	DEFROST HEATER	H				1				1	
27	U01 A01 381	HEATER PROTECTOR	26H				1				1	
㉘	U01 A05 936	CAPILLARY TUBE		1	1	1	1	1	1	1	1	O.D. 0.118 × I.D. 0.055 × 10-1/4 (ø3.0 × ø1.4 × 260)

MUZ-HM09NA - U1 , U2 MUZ-HM09NA2 - U1 MUZ-HM09NAH - U1
MUZ-HM12NA - U1 , U2 MUZ-HM12NA2 - U1 MUZ-HM12NAH - U1

1-2. OUTDOOR UNIT ELECTRICAL PARTS

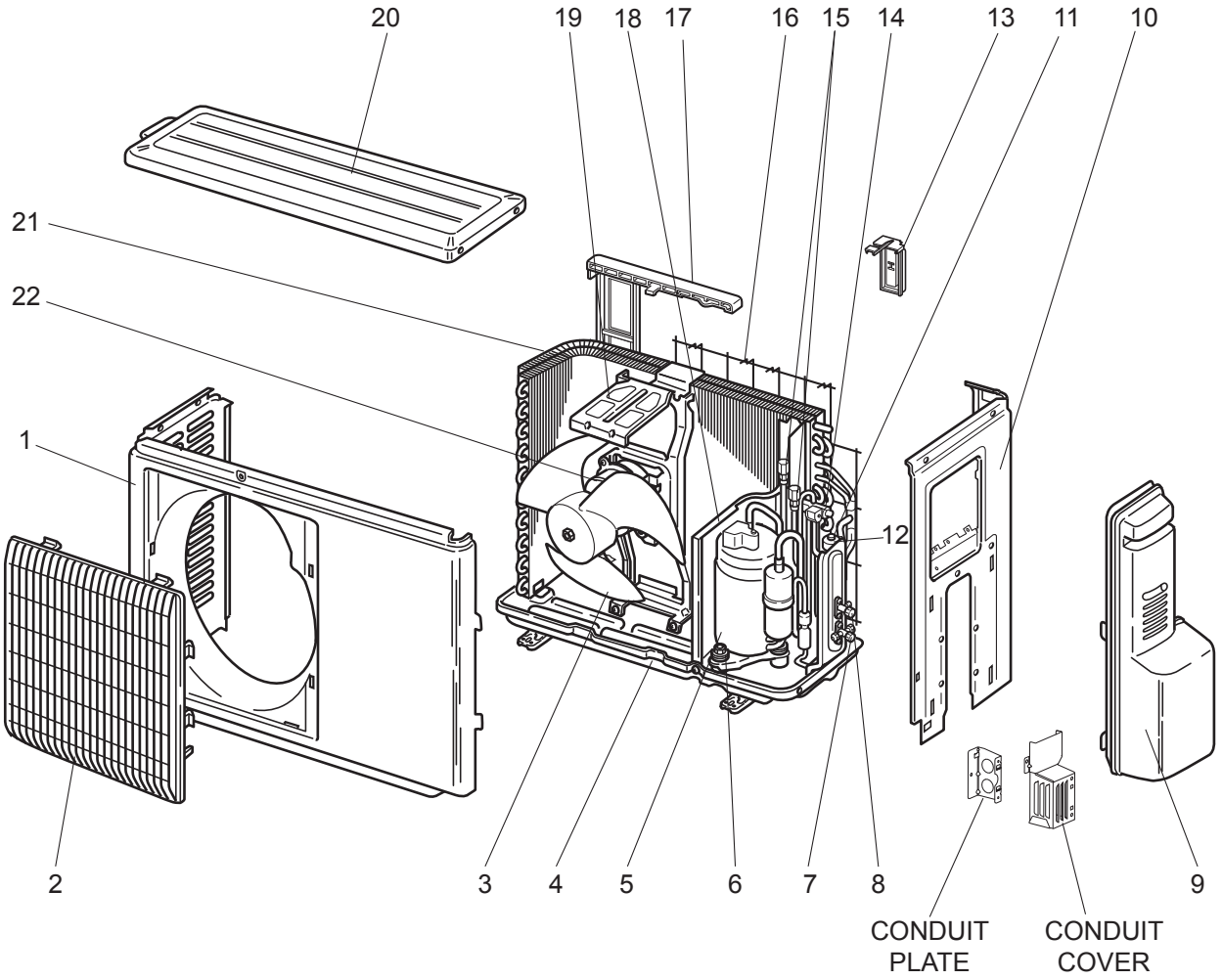


1-2. OUTDOOR UNIT ELECTRICAL PARTS

No.	Part No.	Part name	Symbol in Wiring Diagram	Q'ty/unit								Remarks
				MUZ-HM								
				09NA - U1	09NA2 - U1	09NA - U2	09NAH - U1	12NA - U1	12NA2 - U1	12NA - U2	12NAH - U1	
1	U01 A02 337	REACTOR	L61	1	1	1	1	1	1	1	1	
2	U01 A01 306	THERMISTOR SET	RT61, RT62	1	1	1	1	1	1	1	1	DEFROST, DISCHARGE
3	U01 A03 308	AMBIENT TEMPERATURE THERMISTOR	RT65	1	1	1	1	1	1	1	1	
4	U01 A02 307	OUTDOOR HEAT EXC. TEMP. THERMISTOR	RT68	1	1			1	1			
	U01 A05 307					1	1			1	1	
5	U01 A01 490	R.V. COIL	21S4	1	1			1	1			
	U01 A03 490					1	1			1	1	
6	U01 A01 374	TERMINAL BLOCK	TB	1	1	1	1	1	1	1	1	5P
7	U01 A23 451	INVERTER P.C. BOARD		1	1							Including heat sink and RT64
	U01 A24 451							1	1			
	U01 A36 451					1	1					
	U01 A37 451									1	1	

MUZ-HM09NA - U8 MUZ-HM09NA2 - U8
MUZ-HM12NA - U8 MUZ-HM12NA2 - U8

1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS



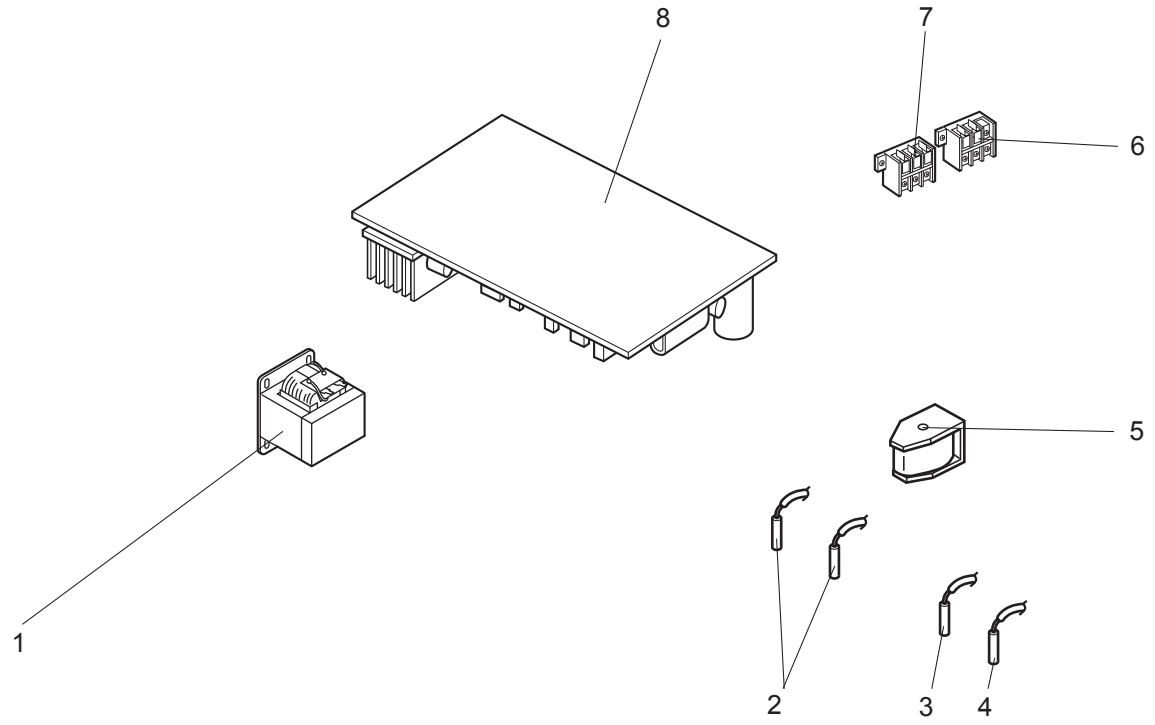
1-3. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

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

No.	Part No.	Part name	Symbol in Wiring Diagram	Q'ty/unit				Remarks
				MUZ-HM				
				09NA - U8	09NA2 - U8	12NA - U8	12NA2 - U8	
1	E12 927 232	CABINET		1	1	1	1	
2	E12 927 521	GRILLE		1	1	1	1	
3	E12 927 501	PROPELLER FAN		1	1	1	1	
4	E12 A82 290	BASE		1	1	1	1	
5	E12 E79 900	COMPRESSOR	MC	1	1			KNB073FQDHC
	E12 E80 900	COMPRESSOR	MC			1	1	KNB092FQAHC
6	E12 065 506	COMPRESSOR RUBBER SET		3	3	3	3	3RUBBERS/SET
7	E12 A54 661	STOP VALVE (GAS)		1	1	1	1	ø3/8 (ø9.52)
8	E12 T95 662	STOP VALVE (LIQUID)		1	1			ø1/4 (ø6.35)
	E12 927 662	STOP VALVE (LIQUID)				1	1	ø1/4 (ø6.35)
9	E12 A49 245	SERVICE PANEL		1	1	1	1	
10	E12 E79 233	BACK PANEL		1	1	1	1	
11	E12 927 640	EXPANSION VALVE		1	1	1	1	
12	E12 927 493	EXPANSION VALVE COIL	LEV	1	1	1	1	
13	E12 928 079	THERMO HOLDER		1	1			
	E12 930 079	THERMO HOLDER				1	1	
14	E12 A54 961	4-WAY VALVE		1	1	1	1	
15	E12 E79 641	SERVICE PORT		2	2	2	2	1PC/SET
16	E12 928 523	CONDENSER NET		1	1			
	E12 930 523	CONDENSER NET				1	1	
17	E12 928 525	CONDENSER WIRE NET		1	1			
	E12 930 525	CONDENSER WIRE NET				1	1	
18	E12 D69 293	SEPARATOR		1	1			
	E12 C34 293	SEPARATOR				1	1	
19	E12 929 515	MOTOR SUPPORT				1	1	
	E12 927 515	MOTOR SUPPORT		1	1			
20	E12 927 297	TOP PANEL		1	1	1	1	
21	E12 Y08 630	OUTDOOR HEAT EXCHANGER		1	1			
	E12 Y10 630	OUTDOOR HEAT EXCHANGER				1	1	
22	E12 E79 301	OUTDOOR FAN MOTOR	MF	1	1	1	1	RC0J55-□□
㉓	E12 927 937	CAPILLARY TUBE		1	1	1	1	O.D. 0.118 × I.D. 0.079 × 9-7/16 (ø3.0 × ø2.0 × 240)
㉔	E12 735 936	CAPILLARY TUBE				2	2	O.D. 0.118 × I.D. 0.071 × 23-5/8 (ø3.0 × ø1.8 × 600)

MUZ-HM09NA - U8 MUZ-HM09NA2 - U8
MUZ-HM12NA - U8 MUZ-HM12NA2 - U8

1-4. OUTDOOR UNIT ELECTRICAL PARTS

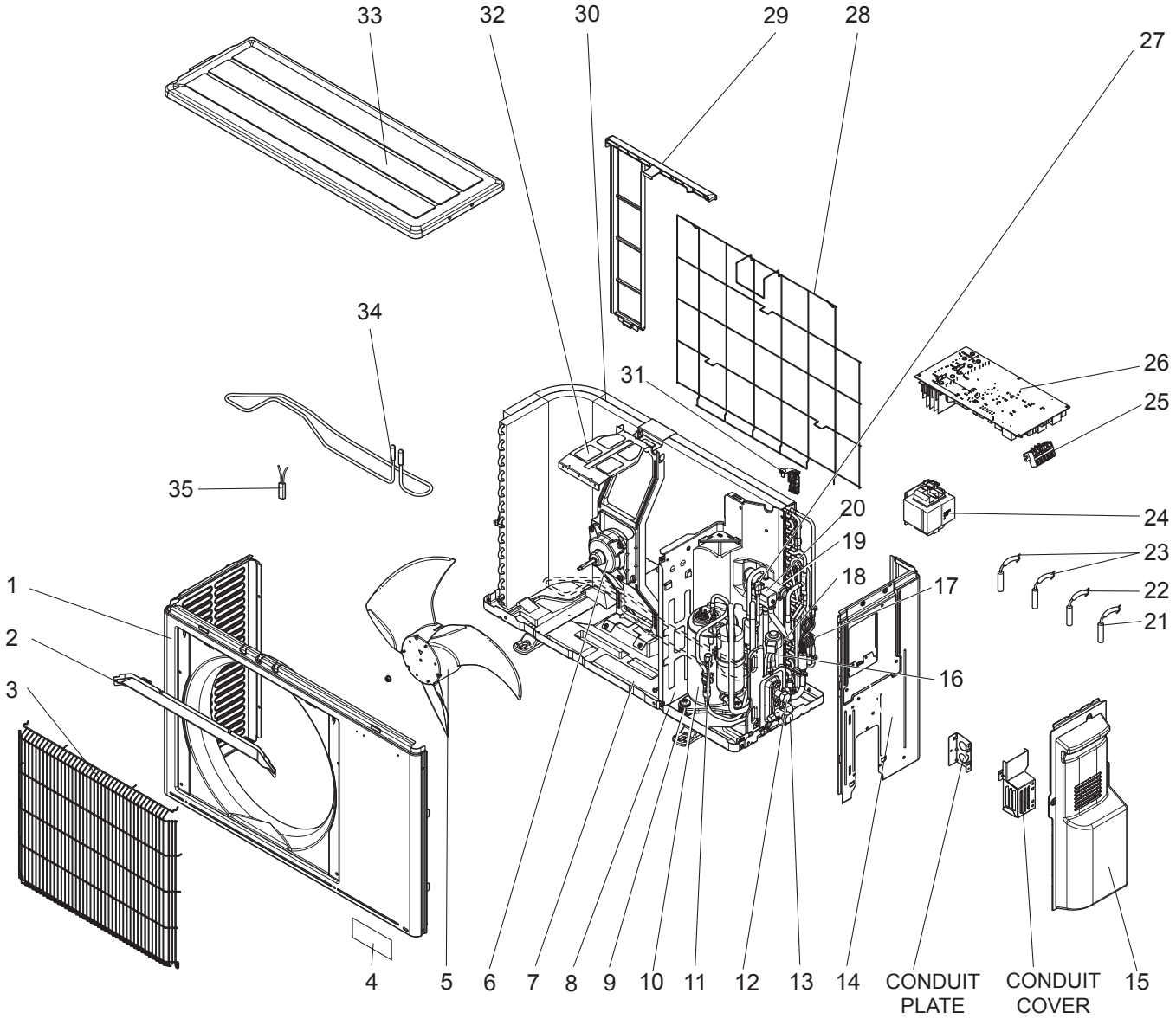


1-4. OUTDOOR UNIT ELECTRICAL PARTS

No.	Part No.	Part name	Symbol in Wiring Diagram	Q'ty/unit				Remarks
				MUZ-HM				
				09NA - U8	09NA2 - U8	12NA - U8	12NA2 - U8	
1	E12 G10 337	REACTOR	L61	1	1			
	E12 838 337	REACTOR	L61			1	1	
2	E12 C34 306	THERMISTOR SET	RT61, RT62	1	1	1	1	DEFROST, DISCHARGE
3	E12 927 308	AMBIENT TEMPERATURE THERMISTOR	RT65	1	1	1	1	
4	E12 C34 307	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	RT68	1	1	1	1	
5	E12 C85 490	R.V. COIL	21S4	1	1	1	1	
6	E12 A53 374	TERMINAL BLOCK	TB1	1	1	1	1	2P
7	E12 927 374	TERMINAL BLOCK	TB2	1	1	1	1	3P
8	E12 N38 451	INVERTER P.C. BOARD		1	1			Including heat sink and RT64
	E12 N39 451	INVERTER P.C. BOARD				1	1	

MUZ-HM15NA - U1 , U2 MUZ-HM15NA2 - U1 MUZ-HM15NAH - U1
MUZ-HM18NA - U1 , U2 MUZ-HM18NA2 - U1 MUZ-HM18NAH - U1

1-5. OUTDOOR UNIT STRUCTURAL PARTS, ELECTRICAL PARTS AND FUNCTIONAL PARTS



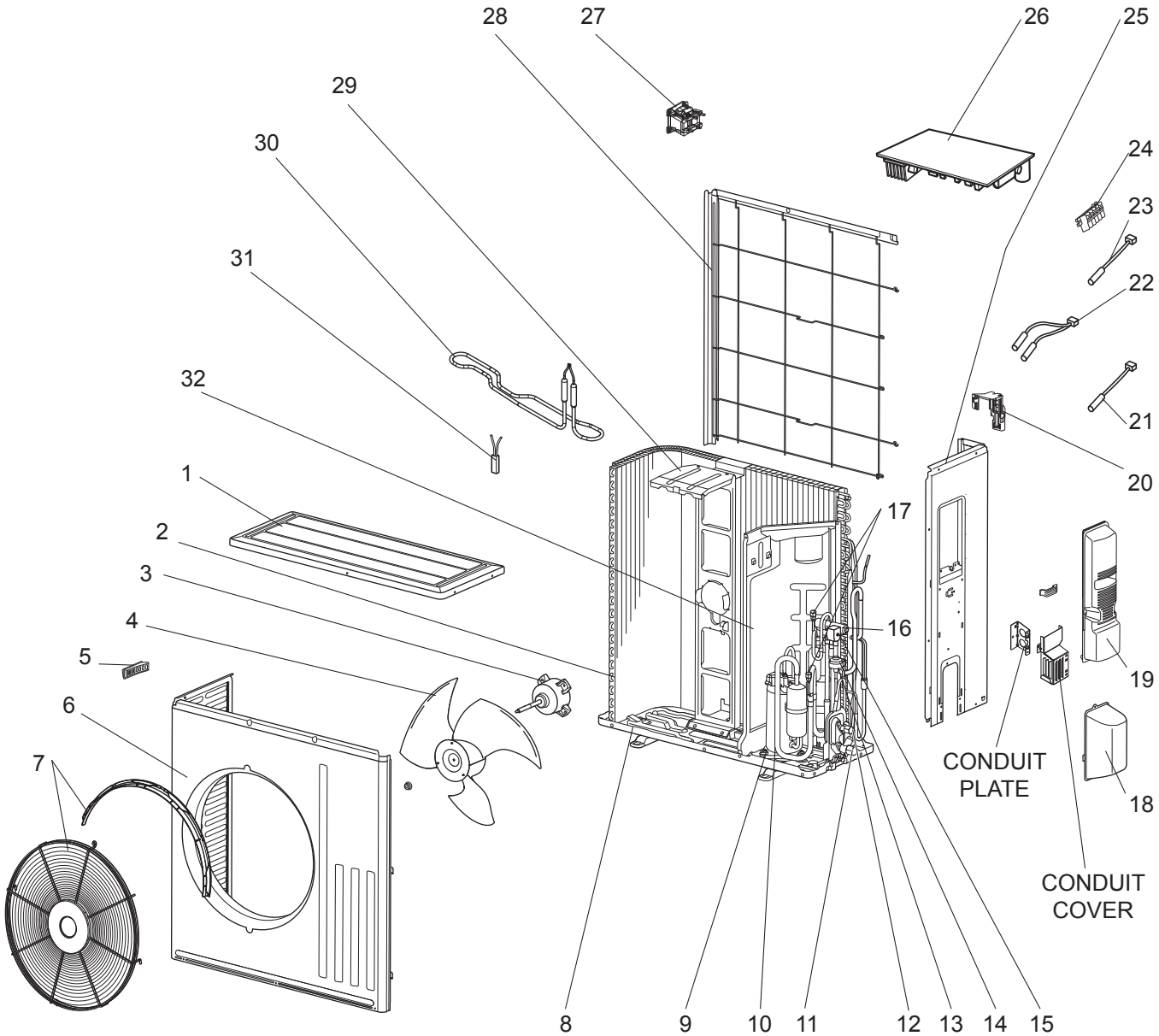
1-5. OUTDOOR UNIT STRUCTURAL PARTS AND FUNCTIONAL PARTS

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

No.	Part No.	Part Name	Symbol in Wiring Diagram	Q'ty/unit MUZ-HM								Remarks
				15NA - U1	15NA2 - U1	15NA - U2	15NAH - U1	18NA - U1	18NA2 - U1	18NA - U2	18NAH - U1	
1	U01 A01 232	CABINET		1	1	1	1	1	1	1	1	
2	U01 A01 531	ICE GUARD		1	1	1	1	1	1	1	1	
3	U01 A01 521	GRILLE		1	1			1	1			
	U01 A02 521					1	1			1	1	
4	U01 M01 987	LOGO LABEL (MITSUBISHI)				1	1			1	1	
5	U01 A01 501	PROPELLER FAN		1	1	1	1	1	1	1	1	
6	U01 A01 301	OUTDOOR FAN MOTOR	MF	1	1			1	1			RC0J55-□□
	U01 A03 301					1	1			1	1	
7	U01 A02 290	BASE		1	1	1		1	1	1		
	U01 A01 290						1				1	
8	U01 A08 293	SEPARATOR		1	1	1		1	1	1		
	U01 A09 293						1				1	
9	U01 A01 506	COMP. RUBBER SET		3	3	3	3	3	3	3	3	3 RUBBERS/SET
10	U01 A04 900	COMPRESSOR (SNB130FQBMT)	MC	1	1	1	1	1	1	1	1	SNB130FQBMT
11	U01 A01 641	SERVICE PORT (L)		1	1	1	1	1	1	1	1	
12	U01 A01 662	STOP VALVE (LIQ)		1	1	1	1	1	1	1	1	ø1/4 (ø6.35)
13	U01 A02 661	STOP VALVE (GAS)		1	1	1	1	1	1	1	1	ø1/2 (ø12.7)
14	U01 A01 233	BACK PANEL		1	1	1	1	1	1	1	1	
15	U01 A01 245	SERVICE PANEL		1	1	1	1	1	1	1	1	
16	U01 A01 640	EXPANSION VALVE		1	1			1	1			
	U01 001 401					1	1			1	1	
17	U01 A01 936	CAPILLARY TUBE		4	4	4	4	4	4	4	4	O.D. 0.118 × I.D. 0.079 × 8-9/32 (ø3.0 × ø2.0 × 210)
18	U01 A01 493	EXPANSION VALVE COIL	LEV	1	1	1	1	1	1	1	1	
19	U01 A01 961	4-WAY VALVE		1	1	1	1	1	1	1	1	
20	U01 A01 490	R.V. COIL	21S4	1	1	1	1	1	1	1	1	
21	U01 A03 308	AMBIENT TEMPERATURE THERMISTOR	RT65	1	1	1	1	1	1	1	1	
22	U01 A02 307	OUTDOOR HEAT EXC. TEMP. THERMISTOR	RT68	1	1	1	1	1	1	1	1	
23	U01 A01 306	THERMISTOR SET	RT61, RT62	1	1	1	1	1	1	1	1	DEFROST,DISCHARGE TEMPERATURE
24	U01 A01 337	REACTOR	L61	1	1	1	1	1	1	1	1	
25	U01 A01 374	TERMINAL BLOCK	TB	1	1	1	1	1	1	1	1	5 P
26	U01 A16 451	INVERTER P.C. BOARD		1	1							Including heat sink and RT64
	U01 A17 451							1	1			
	U01 A38 451					1	1					
	U01 A39 451									1	1	
27	U01 A02 641	SERVICE PORT (H)		1	1	1	1	1	1	1	1	
28	U01 A01 525	CONDENSER WIRE NET		1	1	1	1	1	1	1	1	
29	U01 A01 523	CONDENSER NET		1	1	1	1	1	1	1	1	
30	U01 A01 630	OUTDOOR HEAT EXCHANGER		1	1	1	1	1	1	1	1	
31	U01 A02 079	THERMO HOLDER		1	1	1	1	1	1	1	1	
32	U01 A01 515	MOTOR SUPPORT		1	1	1	1	1	1	1	1	
33	U01 A01 297	TOP PANEL		1	1	1	1	1	1	1	1	
34	U01 A01 526	DEFROST HEATER	H				1				1	
35	U01 A01 381	HEATER PROTECTOR	26H				1				1	
(36)	U01 A02 936	CAPILLARY TUBE		1	1	1	1	1	1	1	1	O.D. 0.157 × I.D. 0.094 × 9-7/16 (ø4.0 × ø2.4 × 240)

MUZ-HM24NA MUZ-HM24NA2 MUZ-HM24NAH

1-6. OUTDOOR UNIT STRUCTURAL PARTS, ELECTRICAL PARTS AND FUNCTIONAL PARTS



1-6. OUTDOOR UNIT STRUCTURAL PARTS, ELECTRICAL PARTS AND FUNCTIONAL PARTS

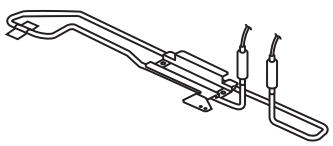
Part numbers that are circled are not shown in the illustration.

No.	Part No.	Part Name	Symbol in Wiring Diagram	Q'ty/unit			Remarks
				MUZ-HM			
				24NA- U1	24NA2- U1	24NAH- U1	
1	E12 L87 297	TOP PANEL		1	1	1	
2	E12 N94 630	OUTDOOR HEAT EXCHANGER		1	1	1	
3	E12 N87 301	OUTDOOR FAN MOTOR	MF	1	1	1	RC0J77-□□
4	E12 F28 501	PROPELLER FAN		1	1	1	
5	E12 817 009	HANDLE		1	1	1	
6	E12 N94 232	CABINET		1	1	1	
7	E12 L87 521	FAN GUARD		1	1	1	Including ice guard
8	E12 F28 290	BASE		1	1		
	E12 H25 290					1	
9	E12 C34 506	COMPRESSOR RUBBER SET		3	3	3	3 RUBBERS/SET
10	E12 N94 900	COMPRESSOR	MC	1	1	1	SNB130FQBMT
11	E12 F76 661	STOP VALVE (GAS)		1	1	1	ø5/8 (ø15.88)
12	E12 F29 662	STOP VALVE (LIQUID)		1	1	1	ø3/8 (ø9.52)
13	E12 851 640	EXPANSION VALVE		1	1	1	
14	E12 F28 493	EXPANSION VALVE COIL	LEV	1	1	1	
15	E12 N91 490	R.V. COIL	21S4	1	1	1	
16	E12 A56 961	4-WAY VALVE		1	1	1	
17	E12 E79 641	SERVICE PORT		2	2	2	
18	E12 F28 650	VALVE COVER		1	1	1	
19	E12 N94 245	SERVICE PANEL		1	1	1	
20	E12 F28 079	THERMO HOLDER		1	1	1	
21	E12 G16 309	AMBIENT TEMPERATURE THERMISTOR	RT65	1	1	1	
22	E12 G16 308	THERMISTOR SET	RT61, RT62	1	1	1	DEFROST, DISCHARGE TEMPERATURE
23	E12 G16 307	OUTDOOR HEAT EXCHANGER TEMPERATURE THERMISTOR	RT68	1	1	1	
24	E12 L85 374	TERMINAL BLOCK	TB	1	1	1	5 P
25	E12 N94 233	BACK PANEL		1	1	1	
26	E12 N93 451	INVERTER P.C. BOARD		1	1	1	Including heat sink and RT64
27	E12 H21 337	REACTOR	L61	1	1	1	
28	E12 L87 523	CONDENSER NET		1	1	1	
29	E12 F28 515	MOTOR SUPPORT		1	1	1	
30	E12 39F 526	DEFROST HEATER				1	
31	E12 J52 381	HEATER PROTECTOR				1	
32	E17 M63 293	SEPARATOR				1	
㉝	E12 262 936	CAPILLARY TUBE		1	1	1	O.D. 0.157 × I.D. 0.094 × 7-7/8 (ø4.0 × ø2.4 × 200)
㉞	E12 838 936	CAPILLARY TUBE		4	4	4	O.D. 0.118 × I.D. 0.079 × 7-7/8 (ø3.0 × ø2.0 × 200)
㉟	E12 527 936	CAPILLARY TUBE		1	1	1	O.D. 0.157 × I.D. 0.094 × 3-15/16 (ø4.0 × ø2.4 × 100)

2 OPTIONAL PARTS

2-1. DEFROST HEATER

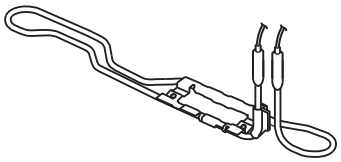
Model	Parts No.
MUZ-HM09NA **MUZ-HM09NA2** **MUZ-HM12NA** **MUZ-HM12NA2** **MUZ-HM15NA** **MUZ-HM15NA2** **MUZ-HM18NA** **MUZ-HM18NA2**	**MAC-640BH-U**



Components

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

Model	Parts No.
MUZ-HM24NA **MUZ-HM24NA2**	**MAC-642BH-U1**



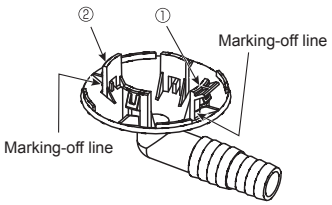
Components

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-HM09NA **MUZ-HM09NA2** **MUZ-HM12NA** **MUZ-HM12NA2** **MUZ-HM15NA** **MUZ-HM15NA2** **MUZ-HM18NA** **MUZ-HM18NA2** **MUZ-HM24NA** **MUZ-HM24NA2**	**MAC-860DS**



Installing a Drain Socket

For Φ 1-5/8 (Φ 42) hole

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

MITSUBISHI ELECTRIC CORPORATION

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Published: Dec. 2015. No. OBB747
Made in Japan

Specifications are subject to change without notice.