

REPAIR PARTS

MSH***E21MC Remote Outdoor Heat Pump

MSH123E21MCAA

MSH183E21MCAA

MSH243E21MCAA



This manual is to be used by qualified technicians only.

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Important Information

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Views shown are for parts illustrations only, not servicing procedures

Text Codes:

AR - As Required

NA - Not Available

NS - Not Shown

00000000 - See Note

QTY - Quantity Example (QTY 3) (If Quantity not shown, Quantity = 1)

M - Model Example (M1) (If M Code not shown, then part is used on all Models)

Expanded Model Nomenclature:

Example

M1 - Model#1

M2 - Model#2

M3 - Model#3

Goodman Manufacturing Company, L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Goodman Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

For assistance within the U.S.A. contact:

Homeowner Support

Goodman Manufacturing Company, L.P.

19001 Kermier Road

Waller, Texas 77484

877-254-4729-Telephone

713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division

Goodman Manufacturing Company, L.P.

19001 Kermier Road

Waller, Texas 77484

713-861-2500-Telephone

713-863-2382-Facsimile

NOTE: To order parts contact Branch 198, 288 or 214

Functional Parts

Part

No: Description:

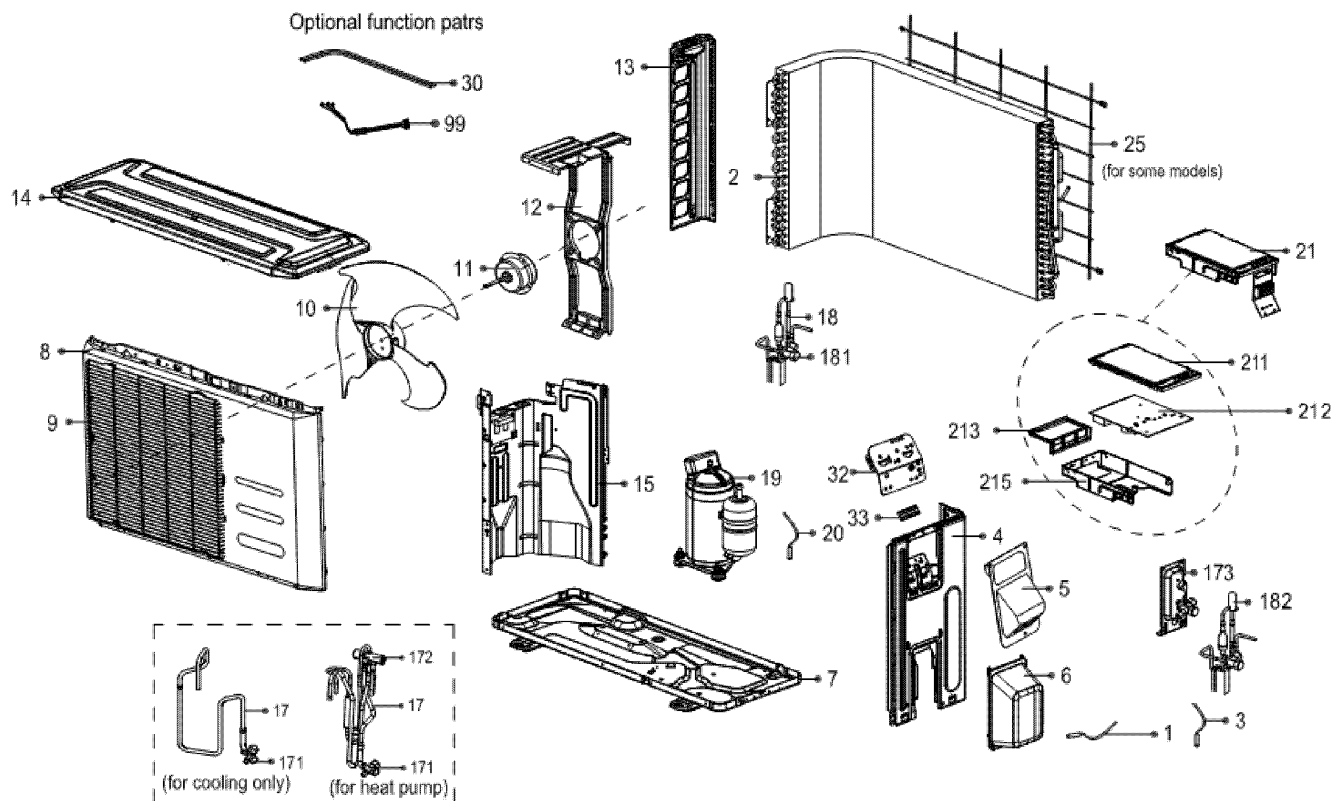
15500216000028	4-way Valve (M1)
15500216000026	4-way Valve (M2)
15500216000361	4-ways valve (M3)
12100105000181	Axial fan (M2)
12100105000051	Axial fan (M1)
12100105000084	Axial fan (M3)
11002015000247	Brushless DC Motor (M3)
11002015000397	Brushless DC Motor (M2)
11002015000041	Brushless DC Motor (M1)
17402001000119	Crankcase electric heater (M3)
11103020000006	DC Inverter Rotary Compressor (M2)
11103020000479	DC Inverter Rotary Compressor (M1)
15500213000265	Electronic expansion valve (M3)
11103020000179	Inverter Controlled Rotary Compressor (M3)
15500208000028	Liquid valve (M1, M2)
15500204000021	Low Pressure Valve (M3)
15500204000058	Low Pressure Valve (M1)
17400306000053	Reactor (M2)
17400306000058	Reactor (M3)
11201007002020	Room Temperature Sensor (M1, M2)
11201007000039	Room Temperature Sensor (M3)
15500204000025	Stop valve (M3)
15500204000046	Stop valve (M2)
12222000004782	Terminal board (M2)

Expanded Model Nomenclature

M1 - MSH123E21MCAA
M2 - MSH183E21MCAA
M3 - MSH243E21MCAA

MSH123E21MC

MSH123E21MC



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Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
1	11201007002020	Room Temperature Sensor (M1)	
2	15822000003520	Condenser assembly (M1)	
3	11201007000136	Pipe temperature sensor assembly (M1)	
4	12222000005745	Right clapboard assembly (M1)	
5	12222000005102	Big handle (M1)	
6	12122000007150	Water Collecting Cover (M1)	
7	12222000005062	Chassis assembly (M1)	
8	12222000004463	Front panel (M1)	
9	12222000007424	Air outlet grille (M1)	
10	12100105000051	Axial fan (M1)	
11	11002015000041	Brushless DC Motor (M1)	
12	12222000002154	Supporter assembly of fan motor (M1)	
13	12222000008484	Left supporter (M1)	
14	12222000002451	Top cover assembly (M1)	
15	12222000003984	Separator Assembly (M1)	
17	15422000004933	4-Ways valve assembly (M1)	
18	15422000004932	High-Voltage valve Assembly (M1)	
19	11103020000479	DC Inverter Rotary Compressor (M1)	
20	11201007000005	Discharge temperature sensor assembly (M1)	
21	17222000A16228	Electronic control box assembly (M1)	
24	15111600A00110	Connecting flexible hose assembly (M1)	
25	12222000003622	Rear Net (M1)	
30	17402002000042	Electrical Heating Tube (M1)	
32	12222000002259	Terminal Installing Plate (M1)	
33	17400401000075	Wire holder (M1)	
99	17401203000802	Connection cable assembly of compressor (M1)	
171	15500204000058	Low Pressure Valve (M1)	
172	15500216000028	4-way Valve (M1)	
173	12222000002571	Installing plate for valves (M1)	
181	15500208000028	Liquid valve (M1)	
182	15500213000047	Electric expansive valve assembly (M1)	
211	12222000001455	Electric Installing Box Cover (M1)	
212	17122000A13487	Outdoor main control board assembly (M1)	
213	12122000006913	Installation board for E-parts (M1)	
215	12222000001311	Electric Installing Box Subassembly (M1)	

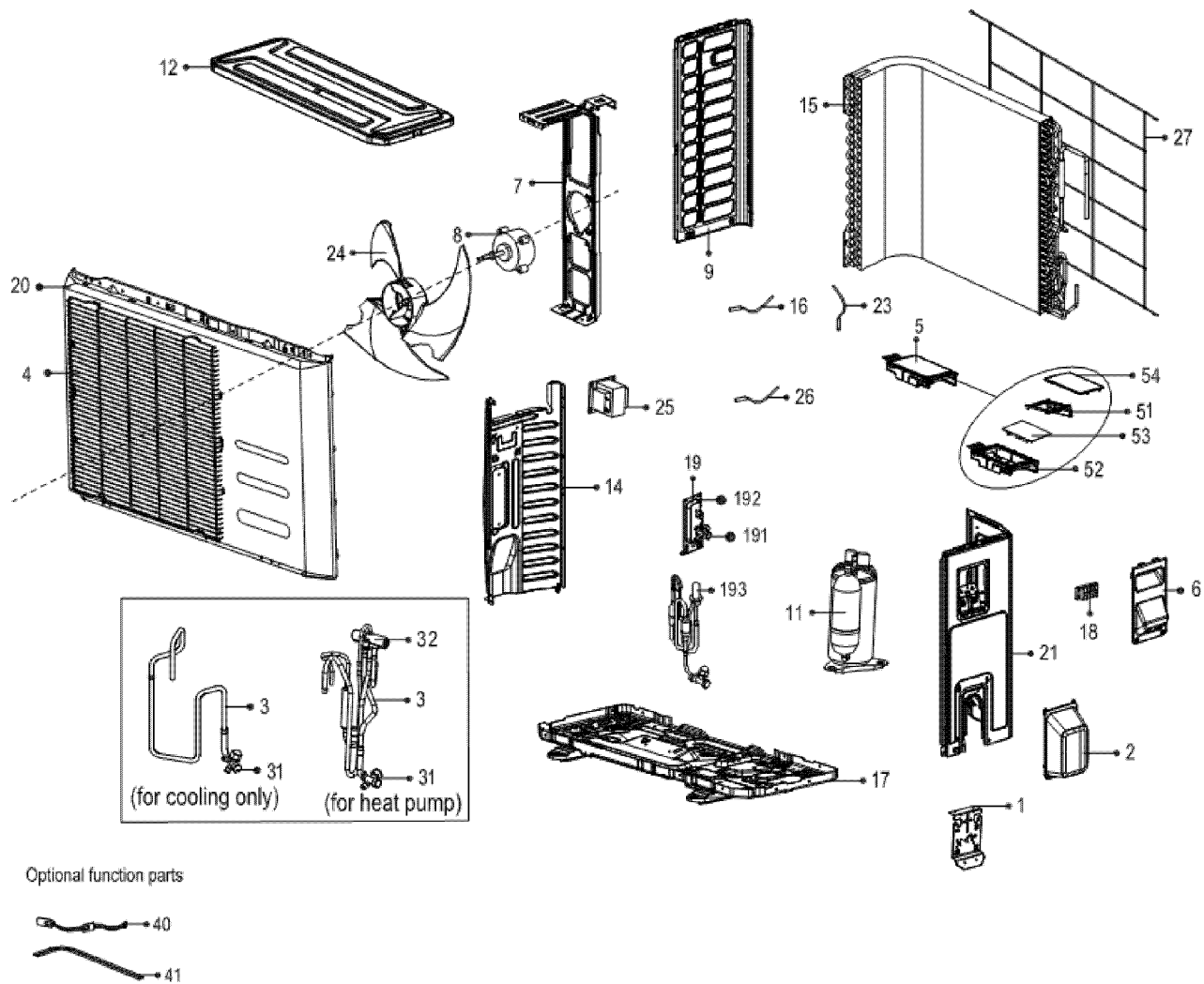
Expanded Model Nomenclature

M1 - MSH123E21MCAA
M2 - MSH183E21MCAA
M3 - MSH243E21MCAA

NOTE: To order parts contact Branch 198, 288 or 214

MSH183E21MC

MSH183E21MC



MSH183E21MC

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

1	12222000004782	Terminal board (M2)
2	12122000007150	Water Collecting Cover (M2)
3	15422000004873	4-way valve assembly (M2)
4	12222000007425	Air outlet grille (M2)
5	17222000A15869	Electronic control box assembly (M2)
6	12222000005102	Big handle (M2)
7	12222000004884	Supporter assembly of fan motor (M2)
8	11002015000397	Brushless DC Motor (M2)
9	12222000004831	Left side plate assembly (M2)
11	11103020000006	DC Inverter Rotary Compressor (M2)
12	12222000004835	Top cover assembly (M2)
14	12222000004784	Partition board assembly (M2)
15	15822000003619	Condenser Assembly (M2)
16	11201007002020	Room Temperature Sensor (M2)
17	12222000A01111	Chassis assembly (M2)
18	17400401000075	Wire holder (M2)
19	15422000004952	Liquid valve assembly (M2)
20	12222000006304	Front panel (M2)
21	12222000004830	Right side plate (M2)
23	11201007000069	Pipe temperature sensor assembly (M2)
24	12100105000181	Axial fan (M2)
25	17400306000053	Reactor (M2)
26	11201007000005	Discharge temperature sensor assembly (M2)
27	12222000004833	Rear net (M2)
31	15500204000046	Stop valve (M2)
32	15500216000026	4-way Valve (M2)
40	17402001000008	Electric heating strip of compressor (M2)
41	17402002000043	Electrical Heating Tube (M2)
51	12122000014683	Supporting Plate (M2)
52	12222000004827	Cover of electronic control box (M2)
53	17122000A13189	Outdoor main control board assembly (M2)
54	12122000006856	Electric Installing Box Subassembly (M2)
99	17401203000939	Connection cable assembly of compressor (M2)
191	15500208000028	Liquid valve (M2)
192	12222000002571	Installing plate for valves (M2)
193	15500213000047	Electric expansive valve assembly (M2)

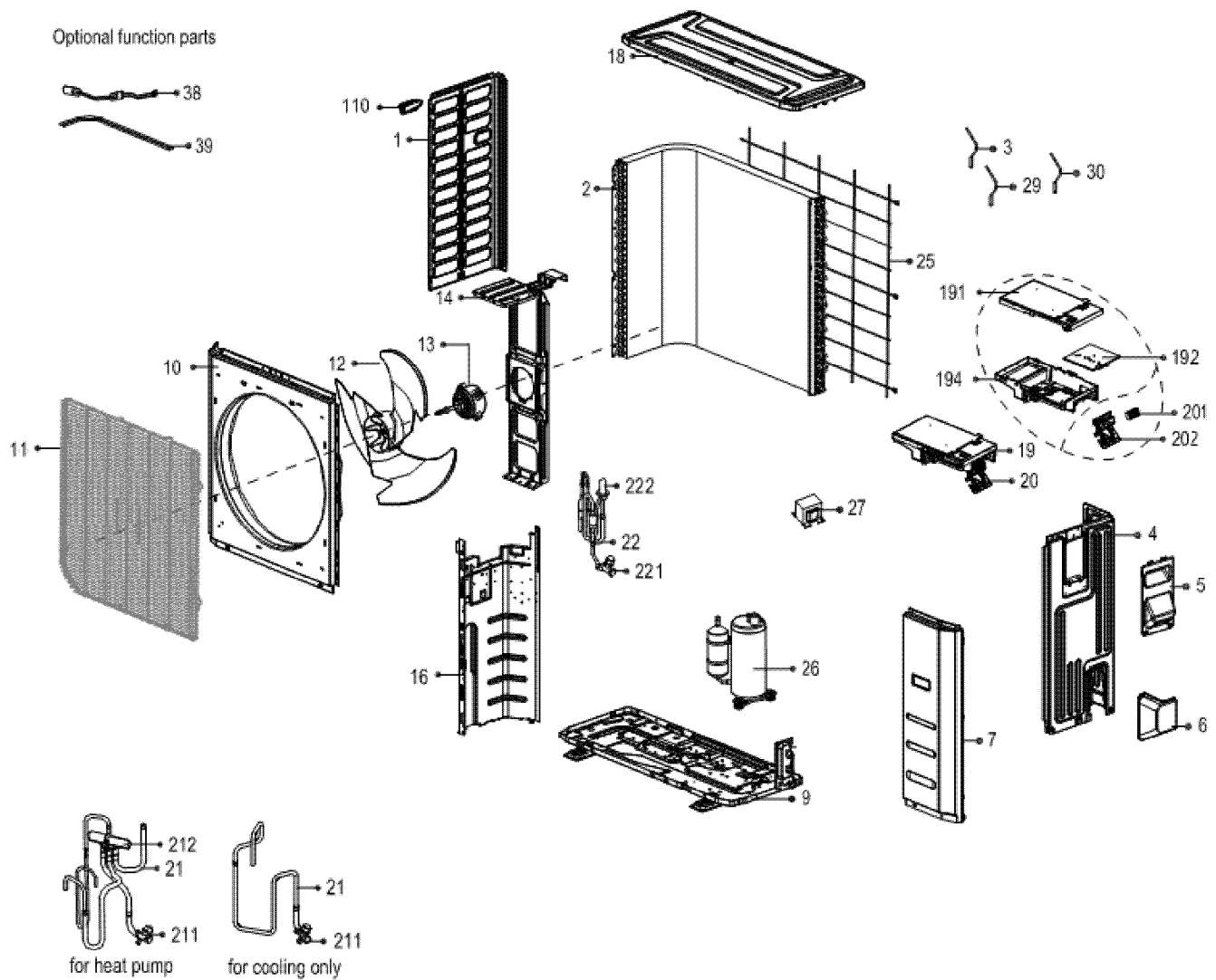
Expanded Model Nomenclature

M1 - MSH123E21MCAA
M2 - MSH183E21MCAA
M3 - MSH243E21MCAA

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MSH243E21MC

MSH243E21MC



MSH243E21MC

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
1	12222000006665	Left side plate assembly of cabinet (M3)	
2	15822000005296	Condenser Assembly (M3)	
3	11201007000136	Pipe temperature sensor assembly (M3)	
4	12222000006664	Rear right clapboard assembly (M3)	
5	12222000004019	Big Handle (M3)	
6	12122200002695	Water Collecting Cover (M3)	
7	12222500A00135	Front right clapboard assembly (M3)	
9	12222000004018	Chassis assembly (M3)	
10	12222000A01431	Front panel (M3)	
11	12222000007904	Air outlet grille (M3)	
12	12100105000084	Axial fan (M3)	
13	11002015000247	Brushless DC Motor (M3)	
14	12222000005162	Holder for fan motor assembly (M3)	
16	12222200001158	Separator Assembly (M3)	
18	12222500000587	Topcap assembly (M3)	
19	17222000A15868	Electronic control box assembly (M3)	
20	17222000014908	Terminal Block Sub of Elec Control Box (M3)	
21	15422000005608	4-ways valve assembly (M3)	
22	15422000008653	Liquid valve Assembly (M3)	
25	12222000006604	Rear net (M3)	
26	11103020000179	Inverter Controlled Rotary Compressor (M3)	
27	17400306000058	Reactor (M3)	
29	11201007000157	Discharge temperature sensor assembly (M3)	
30	11201007000039	Room Temperature Sensor (M3)	
38	17402001000119	Crankcase electric heater (M3)	
39	17402002000043	Electrical Heating Tube (M3)	
99	17401203000909	Connection cable assembly of compressor (M3)	
110	12100701000033	Small handle (M3)	
191	12122200002713	Electric Installing Box Cover Subassembly (M3)	
192	17122000A13187	Outdoor main control board assembly (M3)	
194	12122200002717	Electric Installing Box Subassembly (M3)	
201	17400401000037	Wire holder (M3)	
202	12222200001476	Wiring terminal installing plate (M3)	
211	15500204000025	Stop valve (M3)	
212	15500216000361	4-ways valve (M3)	
221	15500204000021	Low Pressure Valve (M3)	
222	15500213000265	Electronic expansion valve (M3)	
223	12222200002110	Installation plate for valves (M3)	

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