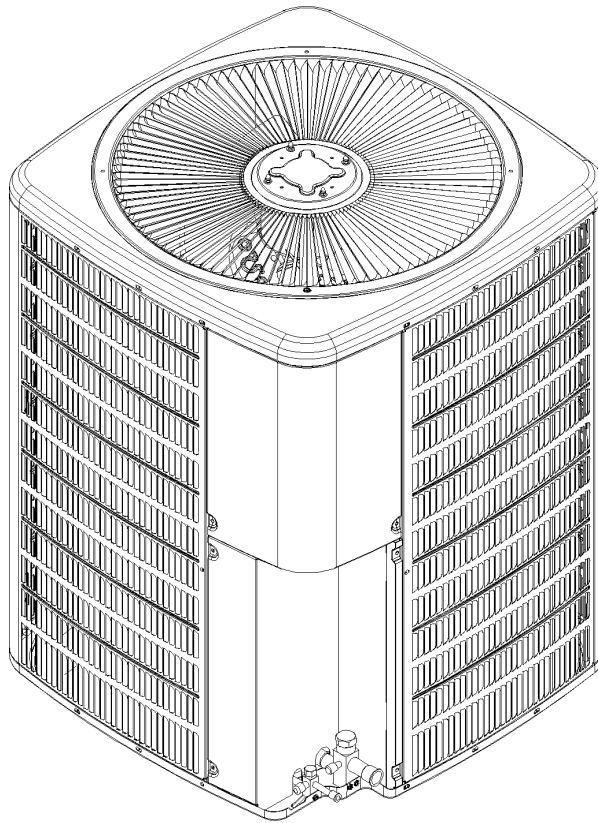


REPAIR PARTS

GSH 13 SEER Remote Heat Pump Units

GSH130181AA
GSH130191AA
GSH130241AA
GSH130251AA
GSH130301AA
GSH130311AA
GSH130361AA
GSH130363AA
GSH130421AA
GSH130481AA
GSH130483AA
GSH130484AA
GSH130601AA
GSH130603AA
GSH130604AA



Goodman Manufacturing Company, L.P.
2550 North Loop West, Suite 400
Houston Texas 77092

www.goodmanmfg.com www.amana-hac.com

RP-355G
April 2007

Important Information

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Functional Parts List	3 - 4
Illustration and Parts	6 - 13

Views shown are for parts illustrations only, not servicing procedures

Rev. G: Corrected service coil part numbers.

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:

Consumer Affairs Department

Goodman Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

877-254-4729-Telephone

713-863-2382-Facsimile

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

International Division

Goodman Manufacturing Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No:

Description:

		CONT1P030024V	CONTACTOR 30 AMP, 1P, 24V (M7, M9, M10)
B1226207	ACCUMULATOR (M7, M8, M9, M10, M11, M12, M13, M14, M15)	B1360305	CONTACTOR 40 AMP, 240V (M13)
B1226206	ACCUMULATOR (M1, M2, M3, M4, M5, M6)	B1370803	DEFROST THERMOSTAT
1362203	ASSY, SERVICE COIL (M7, M8)	B1226008S	DEFROST TIMER (M12, M13, M14, M15)
1362200	ASSY, SERVICE COIL (M2)	B1789868	FLOW CHECK PISTON KIT (M5)
0201R00066S	ASSY, SERVICE COIL (M6)	B1789865	FLOW CHECK PISTON KIT (M6)
0201R00058S	ASSY, SERVICE COIL (M4)	B1789893	FLOW CHECK PISTON KIT (M13, M14, M15)
0201R00053S	ASSY, SERVICE COIL (M14, M15)	B1789884	FLOW CHECK PISTON KIT (M10, M11, M12)
1362206	ASSY, SERVICE COIL (M13)	B1789873	FLOW CHECK PISTON KIT (M7, M8)
0201R00070S	ASSY, SERVICE COIL (M9)	B1789861	FLOW CHECK PISTON KIT (M3, M4)
1362202	ASSY, SERVICE COIL (M5)	B1789852	FLOW CHECK PISTON KIT (M1, M2)
1362207	ASSY, SERVICE COIL (M3)	B1789882	FLOW CHECK PISTON KIT (M9)
1362200	ASSY, SERVICE COIL (M1)	0162M00032	FLOWRATOR-3 ST TUBE .046 (M4)
0201R00068S	ASSY, SERVICE COIL (M10, M11, M12)	0162M00013P	FLOWRATOR-4 ST TUBE .039 (M1, M2)
B1219204	BI-FLOW FILTER DRIER, STEEL	0162M00015P	FLOWRATOR-4 ST TUBE .049 (M5, M6)
B1226008S	BOARD, DEFROST CONTROL (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)	0162M00014P	FLOWRATOR-6 ST TUBE .043 (M3)
CAP050300370RS	CAPACITOR 5/30/370V (M2, M3)	0162M00016P	FLOWRATOR-6 ST TUBE .055 (M7, M8)
CAP050350370RS	CAPACITOR 5/35/370V (M1, M4, M6)	0162M00017P	FLOWRATOR-6 ST TUBE .062 (M9)
CAP050350440RS	CAPACITOR 5/35/440V (M7)	0162M00018P	FLOWRATOR-8 ST TUBE .065 (M10, M11, M12)
CAP050000370VA	CAPACITOR 5/370 (M8, M11, M12, M14, M15)	0162M00037	FLOWRATOR-8 ST TUBE .071 .188 (M14, M15)
CAP050400370RS	CAPACITOR 5/40/370V (M5)	0162M00038	FLOWRATOR-8 ST TUBE .076 .188 (M13)
CAP050500370RT	CAPACITOR 5/50/370V (M9)	B1360719	LOW PRESSURE SWITCH
CAP050550370RT	CAPACITOR 5/55/370V (M10)	0131M00014PS	MOTOR 1/4 HP, 8 PL, 1 SP (M7, M8, M9, M10, M11)
CAP050800370RT	CAPACITOR 5/80/370V (M13)	0131M00022S	MOTOR 1/4 HP, 8 PL, 460V (M12)
CR14K7PFV970	COMPRESSOR 14100, 208/230/60/1 (M1)	0131M00012PS	MOTOR 1/6 HP, 8 PL, 1 SP (M13, M14)
ZR16K4PFV930	COMPRESSOR 16500, 208/230/60/1 (M2)	0131M00016PS	MOTOR 1/6 HP, 8 PL, 1 SP (M1, M2, M3, M4, M5, M6)
CR19K7PFV970	COMPRESSOR 19300, 208/230/60/1 (M3)	0131M00023S	MOTOR 1/6 HP, 8 PL, 460V (M15)
ZR22K4PFV930	COMPRESSOR 22000, 208/230/60/1 (M4)	B1219301	MUFFLER 1/2 X 1/2 (M1, M3, M5, M7, M8)
ZR24K4PFV930	COMPRESSOR 24000, 208/230/60/1 (M6)	B1227317S	REVERSING VALVE (M7, M8, M9, M10, M11, M12, M13, M14, M15)
CR24K7PFV970	COMPRESSOR 24300, 208/230/60/1 (M5)	B1227316S	REVERSING VALVE (M5, M6)
CR28K7TF5970	COMPRESSOR 28000, 200/230/60/3 (M8)	B1227315S	REVERSING VALVE (M1, M2, M3, M4)
CR28K7PFV970	COMPRESSOR 28300, 208/230/60/1 (M7)	B1225022S	SOLENOID COIL
ZR36K3PFV930	COMPRESSOR 36900, 208/230/60/1 (M9)	B1787000	VALVE CORE
ZR40K3PFV930	COMPRESSOR 40600, 208/230/60/1 (M10)	0151R00002P	VALVE, SERVICE 3/4" OPEN LEFT (M1, M2, M3, M4, M5, M6)
ZR40K3TF5930	COMPRESSOR 40600, 208/230/60/3 (M11)	B12825171	VALVE, SERVICE 3/8" OPEN
ZR40K3TFD930	COMPRESSOR 40600, 460/60/3 (M12)	0151R00003P	VALVE, SERVICE 7/8" OPEN LEFT (M7, M8, M9, M10, M11, M12, M13, M14, M15)
ZR52K3PFV930	COMPRESSOR 52000, 208/230/60/1 (M13)		
ZR54K3TF5930	COMPRESSOR 54200, 200/230/60/3 (M14)		
ZR54K3TFD930	COMPRESSOR 54500, 460/60/3 (M15)		
B1360321	CONTACTOR 25 AMP, 125 LRA, 1P, 277V (M1, M2, M3, M4, M5, M6)		
CONT3P025024V	CONTACTOR 25 AMP, 3P, 24V (M8, M11)		
B1360315	CONTACTOR 25 AMP, 3P, 24V (M12, M14, M15)		

Functional Parts

Part No:	Description:
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SPECIAL PARTS

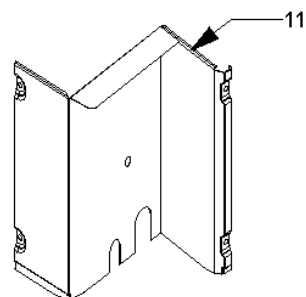
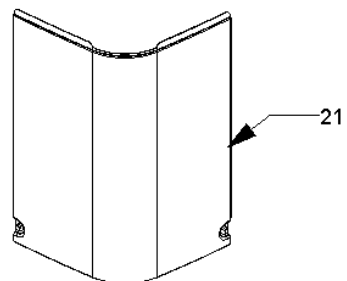
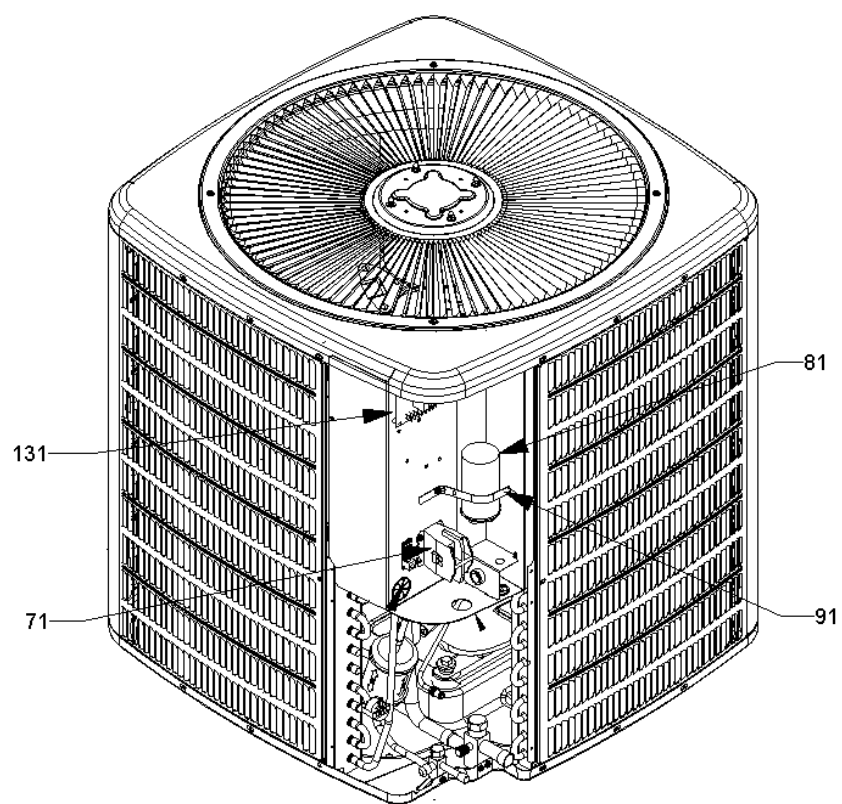
IO-259D	INSTALLATION INSTRUCTIONS
0161R00009P	NAMEPLATE
RP-355G	REPAIR PARTS MANUAL

Expanded Model Nomenclature

M1 - GSH130181AA
M2 - GSH130191AA
M3 - GSH130241AA
M4 - GSH130251AA
M5 - GSH130301AA
M6 - GSH130311AA
M7 - GSH130361AA
M8 - GSH130363AA
M9 - GSH130421AA
M10 - GSH130481AA
M11 - GSH130483AA
M12 - GSH130484AA
M13 - GSH130601AA
M14 - GSH130603AA
M15 - GSH130604AA

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Control Cover/ Control Box



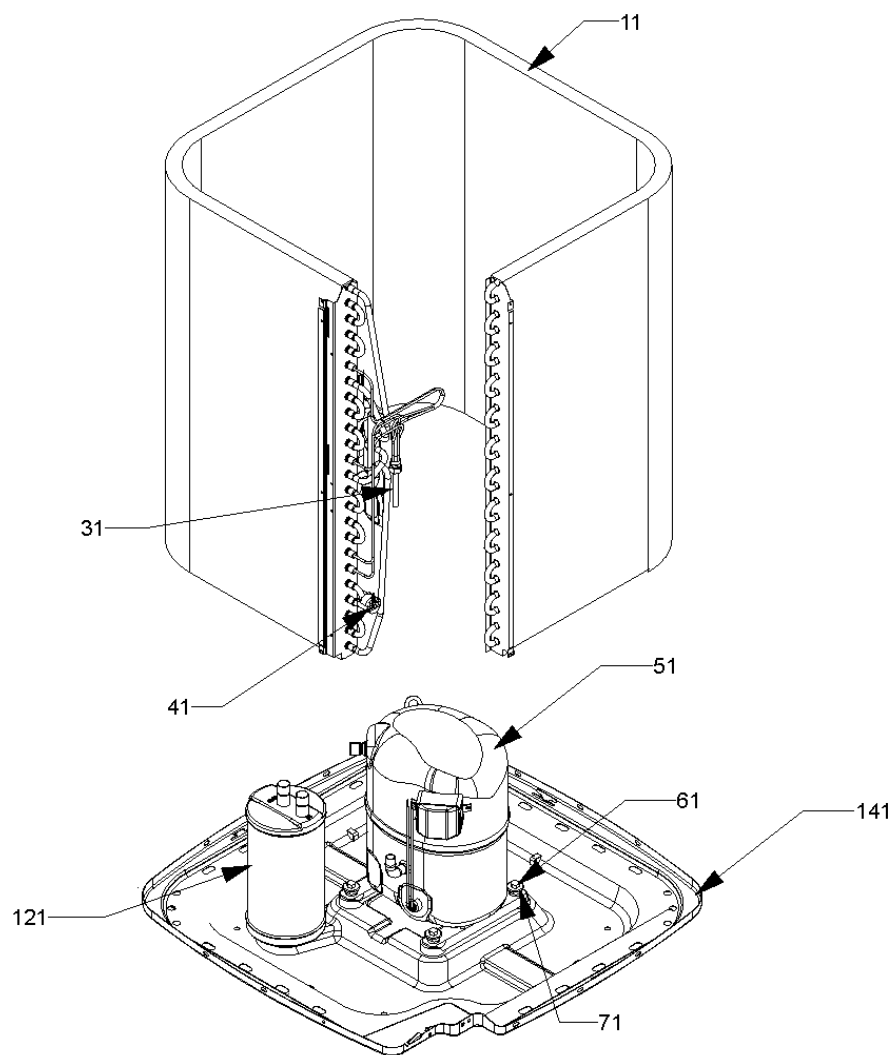
Control Cover/ Control Box

Ref Part No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	4400201PDG	PANEL, LOWER ACCESS (M1, M2, M4, M9)	
11	4400202PDG	PANEL, LOWER ACCESS (M5, M6, M10, M11, M12, M13, M14, M15)	
11	4400203PDG	PANEL, LOWER ACCESS (M3)	
11	4400205PDG	PANEL, LOWER ACCESS (M7, M8)	
21	0121R00053PDG	CONTROL COVER	
71	B1360321	CONTACTOR 25 AMP, 125 LRA, 1P, 277V (M1, M2, M3, M4, M5, M6)	
71	B1360315	CONTACTOR 25 AMP, 3P, 24V (M12, M14, M15)	
71	CONT3P025024V	CONTACTOR 25 AMP, 3P, 24V (M8, M11)	
71	CONT1P030024V	CONTACTOR 30 AMP, 1P, 24V (M7, M9, M10)	
71	B1360305	CONTACTOR 40 AMP, 240V (M13)	
81	CAP050300370RS	CAPACITOR 5/30/370V (M2, M3)	
81	CAP050350370RS	CAPACITOR 5/35/370V (M1, M4, M6)	
81	CAP050350440RS	CAPACITOR 5/35/440V (M7)	
81	CAP050000370VA	CAPACITOR 5/370 (M8, M11, M12, M14, M15)	
81	CAP050400370RS	CAPACITOR 5/40/370V (M5)	
81	CAP050500370RT	CAPACITOR 5/50/370V (M9)	
81	CAP050550370RT	CAPACITOR 5/55/370V (M10)	
81	CAP050800370RT	CAPACITOR 5/80/370V (M13)	
91	4400065	CAPACITOR STRAP (M1, M2, M3, M4, M5, M6, M7, M9, M10, M13)	
91	4400066	CAPACITOR STRAP (M8, M11, M12, M14, M15)	
131	B1226008S	BOARD, DEFROST CONTROL (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)	
131	B1226008S	DEFROST TIMER (M12, M13, M14, M15)	
NS	0161R00009P	NAMEPLATE	

Expanded Model Nomenclature

M1 - GSH130181AA
M2 - GSH130191AA
M3 - GSH130241AA
M4 - GSH130251AA
M5 - GSH130301AA
M6 - GSH130311AA
M7 - GSH130361AA
M8 - GSH130363AA
M9 - GSH130421AA
M10 - GSH130481AA
M11 - GSH130483AA
M12 - GSH130484AA
M13 - GSH130601AA
M14 - GSH130603AA
M15 - GSH130604AA

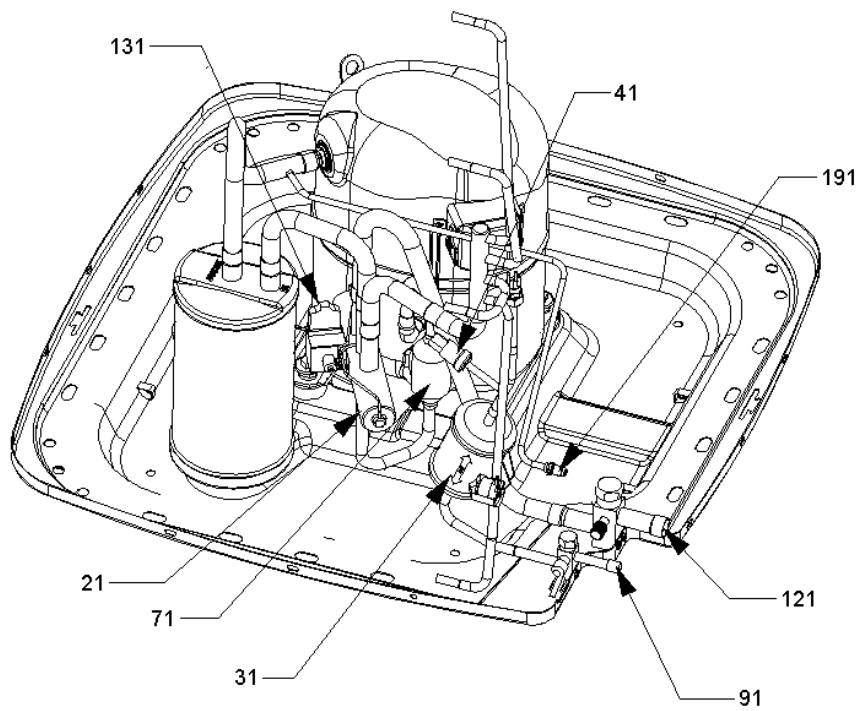
Basepan/Compressor/Coil Assembly



Basepan/Compressor/Coil Assembly

Ref Part No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		Expanded Model Nomenclature	
11	0201R00053S	ASSY, SERVICE COIL (M14, M15)	M1 - GSH130181AA
11	0201R00058S	ASSY, SERVICE COIL (M4)	M2 - GSH130191AA
11	0201R00066S	ASSY, SERVICE COIL (M6)	M3 - GSH130241AA
11	0201R00068S	ASSY, SERVICE COIL (M10, M11, M12)	M4 - GSH130251AA
11	0201R00070S	ASSY, SERVICE COIL (M9)	M5 - GSH130301AA
11	1362200	ASSY, SERVICE COIL (M2)	M6 - GSH130311AA
11	1362200	ASSY, SERVICE COIL (M1)	M7 - GSH130361AA
11	1362202	ASSY, SERVICE COIL (M5)	M8 - GSH130363AA
11	1362203	ASSY, SERVICE COIL (M7, M8)	M9 - GSH130421AA
11	1362206	ASSY, SERVICE COIL (M13)	M10 - GSH130481AA
11	1362207	ASSY, SERVICE COIL (M3)	M11 - GSH130483AA
31	0162M00032	FLOWRATOR-3 ST TUBE .046 (M4)	M12 - GSH130484AA
31	0162M00013P	FLOWRATOR-4 ST TUBE .039 (M1, M2)	M13 - GSH130601AA
31	0162M00015P	FLOWRATOR-4 ST TUBE .049 (M5, M6)	M14 - GSH130603AA
31	0162M00014P	FLOWRATOR-6 ST TUBE .043 (M3)	M15 - GSH130604AA
31	0162M00016P	FLOWRATOR-6 ST TUBE .055 (M7, M8)	
31	0162M00017P	FLOWRATOR-6 ST TUBE .062 (M9)	
31	0162M00018P	FLOWRATOR-8 ST TUBE .065 (M10, M11, M12)	
31	0162M00037	FLOWRATOR-8 ST TUBE .071 .188 (M14, M15)	
31	0162M00038	FLOWRATOR-8 ST TUBE .076 .188 (M13)	
41	B1370803	DEFROST THERMOSTAT	
51	CR14K7PFV970	COMPRESSOR 14100, 208/230/60/1 (M1)	
51	ZR16K4PFV930	COMPRESSOR 16500, 208/230/60/1 (M2)	
51	CR19K7PFV970	COMPRESSOR 19300, 208/230/60/1 (M3)	
51	ZR22K4PFV930	COMPRESSOR 22000, 208/230/60/1 (M4)	
51	ZR24K4PFV930	COMPRESSOR 24000, 208/230/60/1 (M6)	
51	CR24K7PFV970	COMPRESSOR 24300, 208/230/60/1 (M5)	
51	CR28K7TF5970	COMPRESSOR 28000, 200/230/60/3 (M8)	
51	CR28K7PFV970	COMPRESSOR 28300, 208/230/60/1 (M7)	
51	ZR36K3PFV930	COMPRESSOR 36900, 208/230/60/1 (M9)	
51	ZR40K3PFV930	COMPRESSOR 40600, 208/230/60/1 (M10)	
51	ZR40K3TF5930	COMPRESSOR 40600, 208/230/60/3 (M11)	
51	ZR40K3TFD930	COMPRESSOR 40600, 460/60/3 (M12)	
51	ZR52K3PFV930	COMPRESSOR 52000, 208/230/60/1 (M13)	
51	ZR54K3TF5930	COMPRESSOR 54200, 200/230/60/3 (M14)	
51	ZR54K3TFD930	COMPRESSOR 54500, 460/60/3 (M15)	
61	M0221641	SCREW-SHOULDER TF (QTY 4)	
71	B1339530	COMPRESSOR GROMMET (M1, M3, M5, M7, M8)	
71	B1339533	COMPRESSOR GROMMET (M2, M4, M6, M9, M10, M11, M12, M13, M14, M15)	
121	B1226206	ACCUMULATOR (M1, M2, M3, M4, M5, M6)	
121	B1226207	ACCUMULATOR (M7, M8, M9, M10, M11, M12, M13, M14, M15)	
141	0121R00006PDG	BASE PAN 29" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	
141	0121R00007PDG	BASE PAN, 35" (M13, M14, M15)	

Tubing Assembly



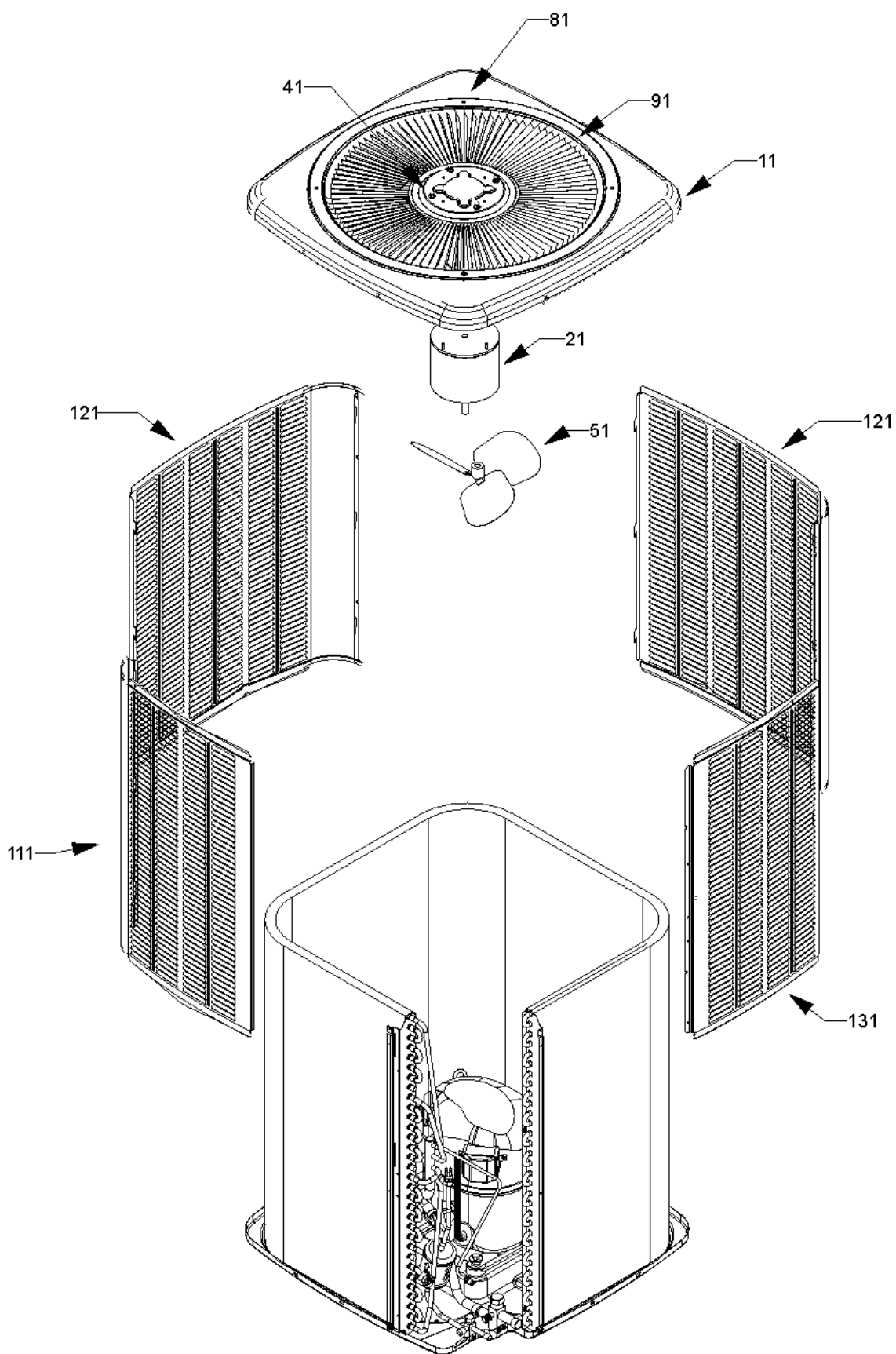
Tubing Assembly

Ref Part No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
21	B1227315S		REVERSING VALVE (M1, M2, M3, M4)
21	B1227316S		REVERSING VALVE (M5, M6)
21	B1227317S		REVERSING VALVE (M7, M8, M9, M10, M11, M12, M13, M14, M15)
31	B1219204		BI-FLOW FILTER DRIER, STEEL
51	B1360719		LOW PRESSURE SWITCH
71	B1219301		MUFFLER 1/2 X 1/2 (M1, M3, M5, M7, M8)
91	B12825171		VALVE, SERVICE 3/8" OPEN
121	0151R00002P		VALVE, SERVICE 3/4" OPEN LEFT (M1, M2, M3, M4, M5, M6)
121	0151R00003P		VALVE, SERVICE 7/8" OPEN LEFT (M7, M8, M9, M10, M11, M12, M13, M14, M15)
131	B1225020		SOLENOID COIL CORD W/1/4"TERMINAL
191	B1787000		VALVE CORE
NS	B1789852		FLOW CHECK PISTON KIT (M1, M2)
NS	B1789861		FLOW CHECK PISTON KIT (M3, M4)
NS	B1789865		FLOW CHECK PISTON KIT (M6)
NS	B1789868		FLOW CHECK PISTON KIT (M5)
NS	B1789873		FLOW CHECK PISTON KIT (M7, M8)
NS	B1789882		FLOW CHECK PISTON KIT (M9)
NS	B1789884		FLOW CHECK PISTON KIT (M10, M11, M12)
NS	B1789893		FLOW CHECK PISTON KIT (M13, M14, M15)
NS	B1225022S		SOLENOID COIL

Expanded Model Nomenclature

M1 - GSH130181AA
M2 - GSH130191AA
M3 - GSH130241AA
M4 - GSH130251AA
M5 - GSH130301AA
M6 - GSH130311AA
M7 - GSH130361AA
M8 - GSH130363AA
M9 - GSH130421AA
M10 - GSH130481AA
M11 - GSH130483AA
M12 - GSH130484AA
M13 - GSH130601AA
M14 - GSH130603AA
M15 - GSH130604AA

Cabinet Top/Side Panels



Cabinet Top/Side Panels

Ref Part No:	Description:	Ref. Part No:	Description:
<i>Image 1:</i>		Expanded Model Nomenclature	
11	0121R00010PDG	PANEL, LOUVER TOP (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	M1 - GSH130181AA
11	0121R00012PDG	PANEL, LOUVER TOP 35" (M13, M14, M15)	M2 - GSH130191AA
21	0131M00014PS	MOTOR 1/4 HP, 8 PL, 1 SP (M7, M8, M9, M10, M11)	M3 - GSH130241AA
21	0131M00022S	MOTOR 1/4 HP, 8 PL, 460V (M12)	M4 - GSH130251AA
21	0131M00012PS	MOTOR 1/6 HP, 8 PL, 1 SP (M13, M14)	M5 - GSH130301AA
21	0131M00016PS	MOTOR 1/6 HP, 8 PL, 1 SP (M1, M2, M3, M4, M5, M6)	M6 - GSH130311AA
21	0131M00023S	MOTOR 1/6 HP, 8 PL, 460V (M15)	M7 - GSH130361AA
41	B1783803	ACORN NUT (QTY 4)	M8 - GSH130363AA
51	B1086775S	FAN BLADE (M2, M3, M4, M5, M6)	M9 - GSH130421AA
51	0150M00002PS	FAN BLADE 22" (M1)	M10 - GSH130481AA
51	10625738S	FAN BLADE 26" ALUM CCW (M13, M14, M15)	M11 - GSH130483AA
51	B1086764S	FAN BLADE TYPE 2 (M7, M8, M9, M12)	M12 - GSH130484AA
51	B1086765S	FAN BLADE TYPE 3 (M10, M11)	M13 - GSH130601AA
81	B1393021	HEX NUT	M14 - GSH130603AA
81	B1393530	SCREW, HWH, 10X1/2, A, YZD, SLOT, SR (QTY 4)	M15 - GSH130604AA
91	0161R00006P	VENTURI RING 29" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	
91	0161R00007P	VENTURI RING 35" (M13, M14, M15)	
111	0121R00024PDG	PANEL, LOUVER SIDE (M1, M2, M4, M9)	
111	0121R00025PDG	PANEL, LOUVER SIDE (M5, M6, M10, M11, M12)	
111	0121R00026PDG	PANEL, LOUVER SIDE (M3)	
111	0121R00027PDG	PANEL, LOUVER SIDE (M7, M8)	
111	0121R00042PDG	PANEL, LOUVER SIDE (M13, M14, M15)	
121	0121R00030PDG	PANEL, LOUVER SIDE (M1, M2, M4, M9)	
121	0121R00031PDG	PANEL, LOUVER SIDE (M5, M6, M10, M11, M12)	
121	0121R00032PDG	PANEL, LOUVER SIDE (M3)	
121	0121R00033PDG	PANEL, LOUVER SIDE (M7, M8)	
121	0121R00046PDG	PANEL, LOUVER SIDE (M13, M14, M15)	
131	0121R00036PDG	PANEL, LOUVER SIDE (M1, M2, M4, M9)	
131	0121R00037PDG	PANEL, LOUVER SIDE (M5, M6, M10, M11, M12)	
131	0121R00038PDG	PANEL, LOUVER SIDE (M3)	
131	0121R00039PDG	PANEL, LOUVER SIDE (M7, M8)	
131	0121R00050PDG	PANEL, LOUVER SIDE (M13, M14, M15)	
NS	0161R00002P	CONDUIT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)	
NS	0161R00004P	CONDUIT (M13, M14, M15)	