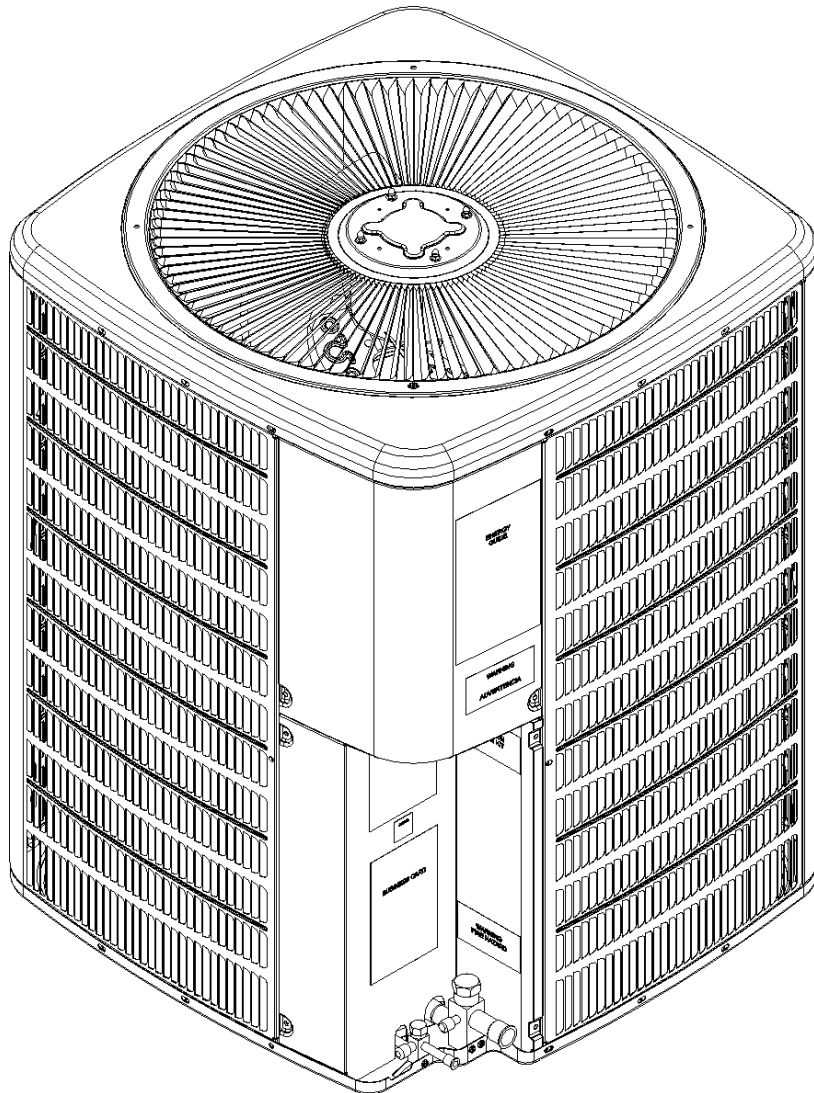


REPAIR PARTS

GSC13

GSC130181BB
GSC130181DA
GSC130181FA
GSC130241DB
GSC130241EA
GSC130241FA
GSC130301DB
GSC130301EA
GSC130361FB
GSC130361GA
GSC130363BB
GSC130421BB
GSC130481BB
GSC130483BB
GSC130601CB
GSC130603BB



This manual is to be used by qualified technicians only.

RP-652

© 2009 Goodman Manufacturing Company, L.P. ♦ 5151 San Felipe, Suite 500 ♦ Houston, TX 77056

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 9

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:

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:

Expanded Model Nomenclature

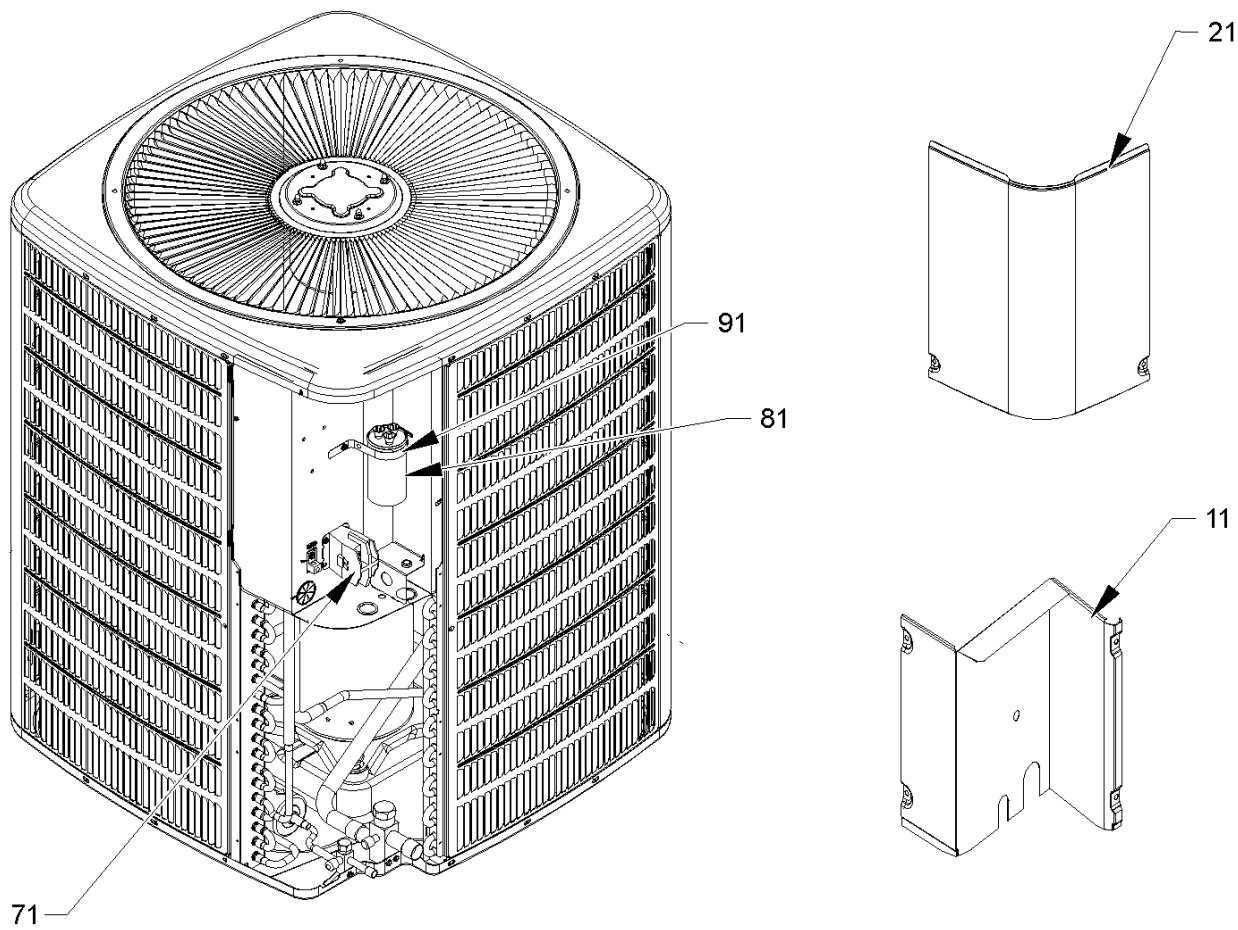
0131M00266	1/8 HP 8 PL PSC MOTOR (M1, M2, M4, M5, M7, M8)
730049-2001-10	BRISTOL COMPRESSOR (M10)
730030-2001-10S	BRISTOL COMPRESSOR (M5)
730027-2001-10S	BRISTOL COMPRESSOR (M2, M3)
CAP050350440RSS	CAPACITOR 5/35/440V (M1, M2, M3, M4, M5, M6, M9)
CAP050000370VAS	CAPACITOR 5/370V (M11, M14, M16)
CAP050400440RTS	CAPACITOR 5/40/440V (M7, M8, M10)
CAP050550440RTS	CAPACITOR 5/55/440V (M12, M13)
CAP050600440RTS	CAPACITOR 5/60/440V (M15)
ZR25K5PFV130	COMP, 25300, 208/230/60/1 (M8)
ZR21K5PFV130	COMP,21000,208/230/60/1 (M6)
ZR42K5TF5800	COMP,40600,208/230/60/3 (M14)
CR14K7PFV970	COMPRESSOR 14100, 208/230/60/1 (M1)
CR18K7PFV930	COMPRESSOR 17500, 208/230/60/1 (M4)
CR23K7PFV930	COMPRESSOR 22600, 208/230/60/1 (M7)
CR28K7TF5970	COMPRESSOR 28000, 200/230/60/3 (M11)
CR28K7PFV930	COMPRESSOR 28300, 208/230/60/1 (M9)
ZR38KAPFV830	COMPRESSOR 38000, 208/230/60/1 (M12)
ZR40K3PFV930	COMPRESSOR 40600, 208/230/60/1 (M13)
ZR48K3TF5935	COMPRESSOR 49100, 200/230/60/3 (M16)
ZR48K3PFV935	COMPRESSOR 49800, 208/230/60/1 (M15)
0131M00018PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M12, M13, M14, M15, M16)
0131M00016PS	COND MOTOR 1/6 HP, 1 SP, 8 PL (M9, M10, M11)
CONT2P025024VS	CONTACTOR 25 AMP, 2P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13)
CONT3P025024VS	CONTACTOR 25 AMP, 3P, 24V (M11, M14, M16)
CONT2P030024VS	CONTACTOR 30 AMP, 2P, 24V (M15)
0131M00276	MOTOR, 1/8 HP, ISP, 8PL (M3, M6)

M1 - GSC130181BB
M2 - GSC130181DA
M3 - GSC130181FA
M4 - GSC130241DB
M5 - GSC130241EA
M6 - GSC130241FA
M7 - GSC130301DB
M8 - GSC130301EA
M9 - GSC130361FB
M10 - GSC130361GA
M11 - GSC130363BB
M12 - GSC130421BB
M13 - GSC130481BB
M14 - GSC130483BB
M15 - GSC130601CB
M16 - GSC130603BB

SPECIAL PARTS

0161R00009P	NAMEPLATE
-------------	-----------

Control Cover/Control Box



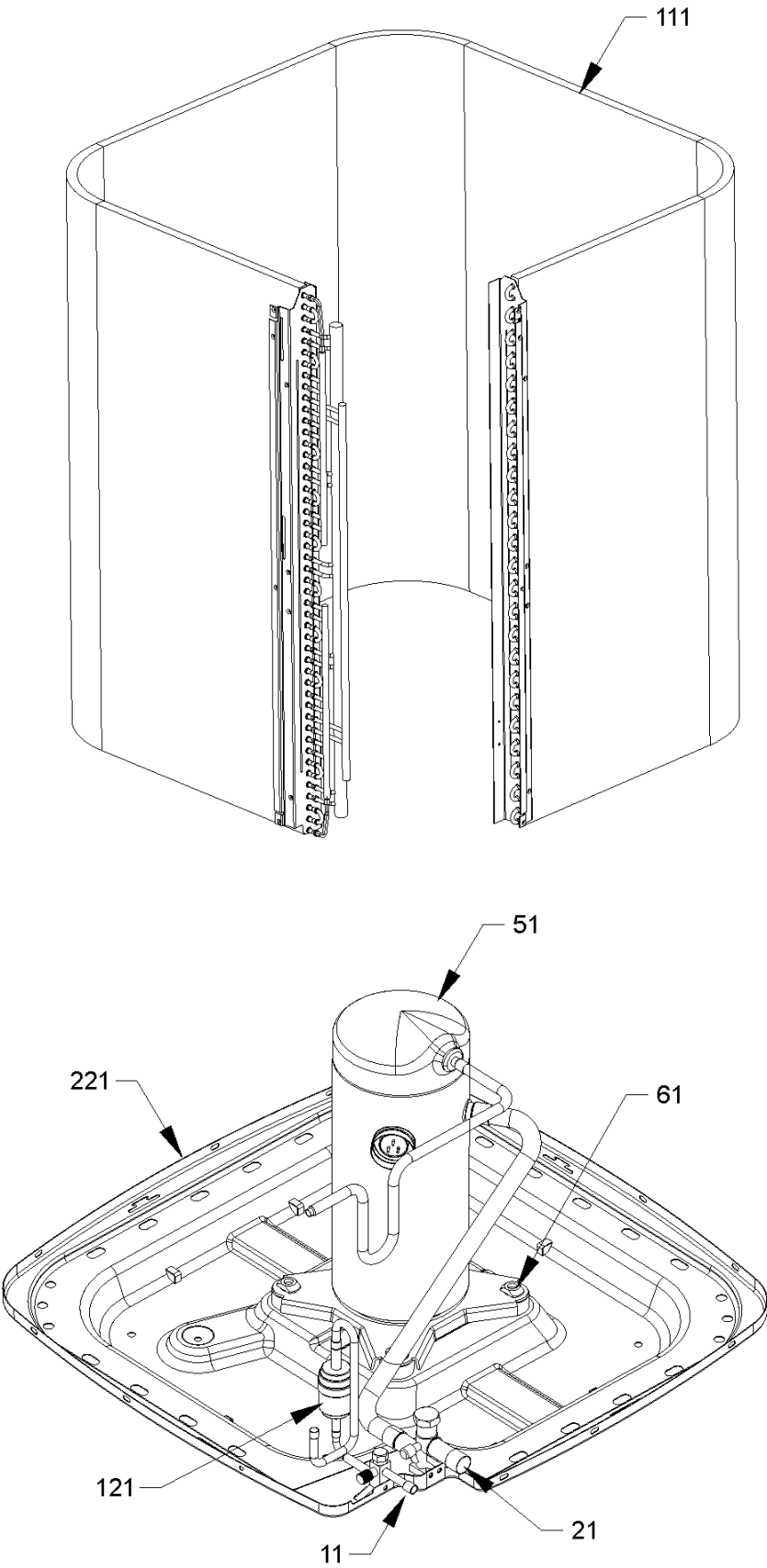
Control Cover/Control Box

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0121R00094PDG	LOWER ACCESS PANEL (M1, M2, M4, M5)	
11	0121R00096PDG	LOWER ACCESS PANEL (M7, M8, M9, M10, M11, M12)	
11	0121R00098PDG	LOWER ACCESS PANEL (M13, M14)	
11	0121R00155PDG	LOWER ACCESS PANEL (M15, M16)	
11	0121R00265PDG	PANEL, LOWER ACCESS (M3, M6)	
21	0121R00053PDG	CONTROL COVER (M1, M2, M4, M5, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16)	
21	0121R00268PDG	COVER, CONTROL, PNT DG (M3, M6)	
21	0272R00636PDG	PANEL, CONTROL C/HP PNT (M11, M14, M16)	
51	730027-2001-10S	BRISTOL COMPRESSOR (M2, M3)	
51	730030-2001-10S	BRISTOL COMPRESSOR (M5)	
51	730049-2001-10	BRISTOL COMPRESSOR (M10)	
71	CONT2P025024VS	CONTACTOR 25 AMP, 2P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M12, M13)	
71	CONT3P025024VS	CONTACTOR 25 AMP, 3P, 24V (M11, M14, M16)	
71	CONT2P030024VS	CONTACTOR 30 AMP, 2P, 24V (M15)	
81	CAP050350440RSS	CAPACITOR 5/35/440V (M1, M2, M3, M4, M5, M6, M9)	
81	CAP050000370VAS	CAPACITOR 5/370V (M11, M14, M16)	
81	CAP050400440RTS	CAPACITOR 5/40/440V (M7, M8, M10)	
81	CAP050550440RTS	CAPACITOR 5/55/440V (M12, M13)	
81	CAP050600440RTS	CAPACITOR 5/60/440V (M15)	
91	4400065	CAPACITOR STRAP	

Expanded Model Nomenclature

M1 - GSC130181BB
M2 - GSC130181DA
M3 - GSC130181FA
M4 - GSC130241DB
M5 - GSC130241EA
M6 - GSC130241FA
M7 - GSC130301DB
M8 - GSC130301EA
M9 - GSC130361FB
M10 - GSC130361GA
M11 - GSC130363BB
M12 - GSC130421BB
M13 - GSC130481BB
M14 - GSC130483BB
M15 - GSC130601CB
M16 - GSC130603BB

Coil/Compressor/Tubing Assembly



Coil/Compressor/Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

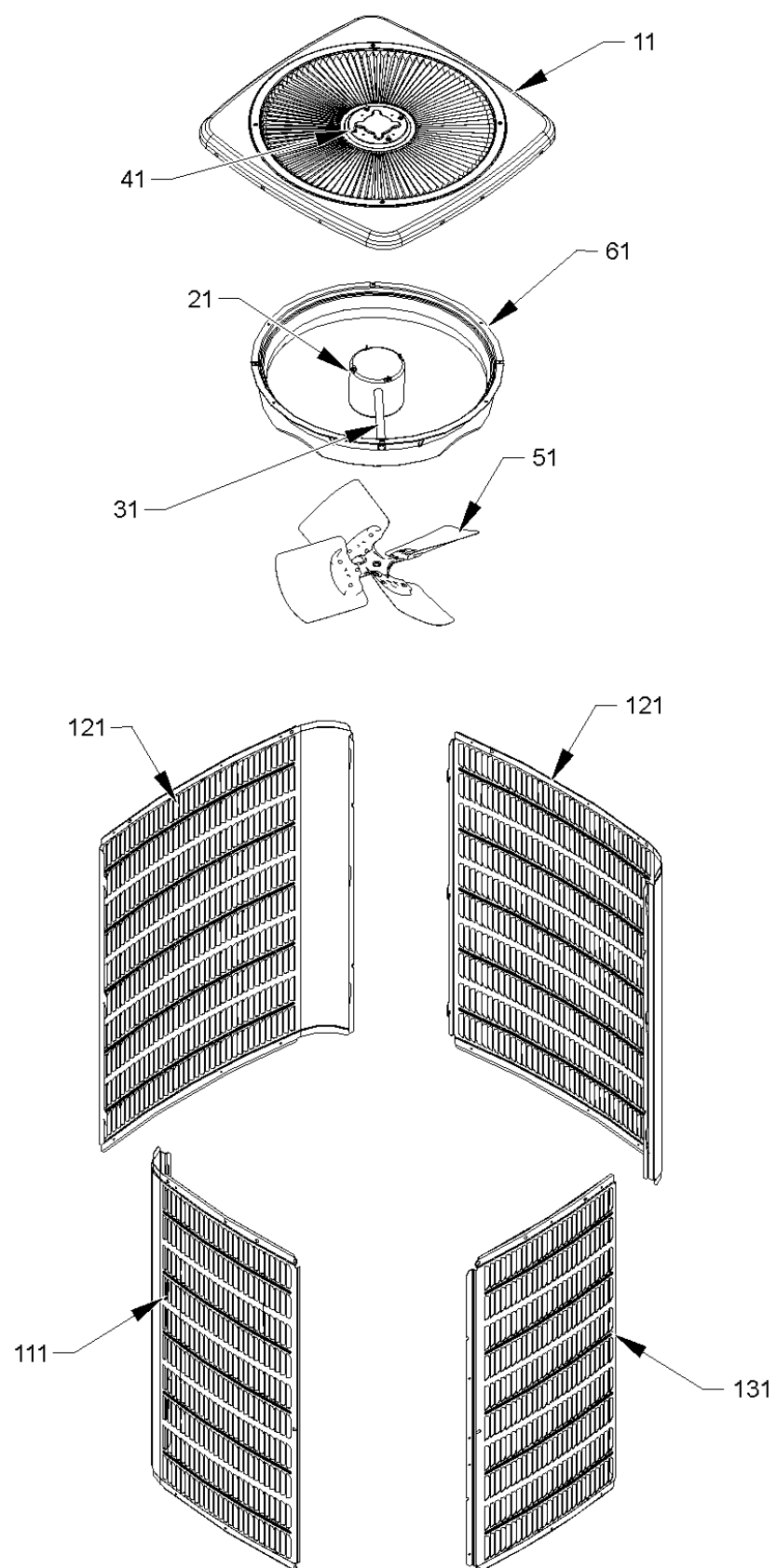
Image 1:

11	B12825171	3/8" SERVICE VALVE
21	0151R00002P	3/4" SERVICE VALVE OPEN LEFT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)
21	0151R00003P	7/8" SERVICE VALVE OPEN LEFT (M12, M13, M14, M15, M16)
41	ZR21K5PFV130	COMP, 21000, 208/230/60/1 (M6)
51	ZR25K5PFV130	COMP, 25300, 208/230/60/1 (M8)
51	ZR42K5TF5800	COMP, 40600, 208/230/60/3 (M14)
51	CR14K7PFV970	COMPRESSOR 14100, 208/230/60/1 (M1)
51	CR18K7PFV930	COMPRESSOR 17500, 208/230/60/1 (M4)
51	CR23K7PFV930	COMPRESSOR 22600, 208/230/60/1 (M7)
51	CR28K7TF5970	COMPRESSOR 28000, 200/230/60/3 (M11)
51	CR28K7PFV930	COMPRESSOR 28300, 208/230/60/1 (M9)
51	ZR38KAPFV830	COMPRESSOR 38000, 208/230/60/1 (M12)
51	ZR40K3PFV930	COMPRESSOR 40600, 208/230/60/1 (M13)
51	ZR48K3TF5935	COMPRESSOR 49100, 200/230/60/3 (M16)
51	ZR48K3PFV935	COMPRESSOR 49800, 208/230/60/1 (M15)
61	B1339530	COMPRESSOR GROMMET (M1, M4, M7, M9, M11)
61	B1339533	COMPRESSOR GROMMET (M2, M3, M5, M6, M8, M10, M12, M13, M14, M15, M16)
111	0201R00177S	TUBING ASSY, COND COIL (M1, M2, M4, M5)
111	0201R00239S	TUBING ASSY, COND COIL (M9, M10, M11)
111	0201R00242S	TUBING ASSY, COND COIL (M13, M14)
111	0201R00250S	TUBING ASSY, COND COIL (M7, M8)
111	0201R00263S	TUBING ASSY, COND COIL (M15, M16)
111	0201R00279S	TUBING ASSY, COND COIL (M12)
121	0162R00009	FILTER DRIER (M3, M6)
221	0121R00005PDG	BASE PAN 26" (M1, M2, M4, M5, M7, M8)
221	0121R00006PDG	BASE PAN 29" (M9, M10, M11, M12, M13, M14, M15, M16)
221	0121R00272PDG	BASE PAN, 23", PNT DG (M3, M6)
NS	0159R00000P	COMPRESSOR SCROLL HARNESS (M6, M8)
NS	0159R00002P	COMPRESSOR SCROLL HARNESS (M12)
NS	B1789886	FLOW CHECK PISTON KIT (M12)
NS	B1789890	FLOW CHECK PISTON KIT (M13, M14)
NS	B1789896	FLOW CHECK PISTON KIT (M15, M16)
NS	B1789855	FLOW CHECK PISTON KIT .055 (M1, M2, M3, M6)
NS	M0221641	TF SHOULDER SCREW (QTY 4)

Expanded Model Nomenclature

M1 - GSC130181BB
M2 - GSC130181DA
M3 - GSC130181FA
M4 - GSC130241DB
M5 - GSC130241EA
M6 - GSC130241FA
M7 - GSC130301DB
M8 - GSC130301EA
M9 - GSC130361FB
M10 - GSC130361GA
M11 - GSC130363BB
M12 - GSC130421BB
M13 - GSC130481BB
M14 - GSC130483BB
M15 - GSC130601CB
M16 - GSC130603BB

Cabinet Top/Side Panels



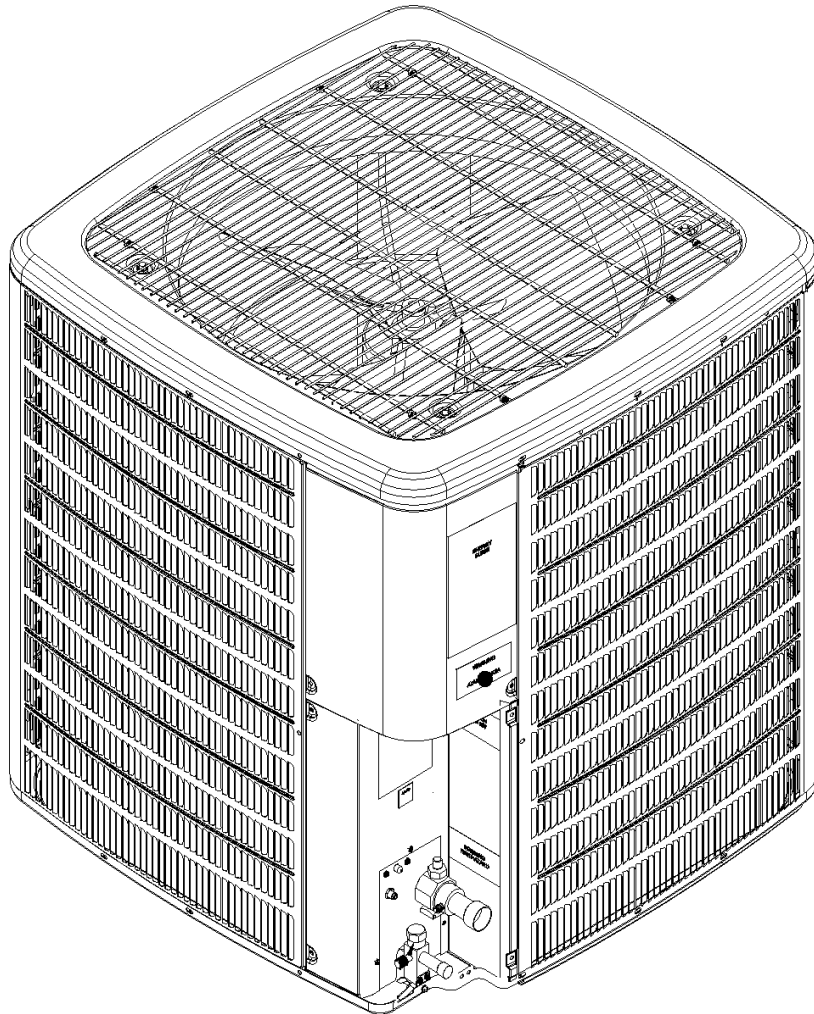
Cabinet Top/Side Panels

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		Expanded Model Nomenclature	
11	0121R00270PDG	PANEL, TOP, PNT DG (M3, M6)	M1 - GSC130181BB
11	0121R00008PDG	TOP PANEL 26" (M1, M2, M4, M5, M7, M8)	M2 - GSC130181DA
11	0121R00010PDG	TOP PANEL 29" (M9, M10, M11, M12, M13, M14, M15, M16)	M3 - GSC130181FA
21	0131M00266	1/8 HP 8 PL PSC MOTOR (M1, M2, M4, M5, M7, M8)	M4 - GSC130241DB
21	0131M00018PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M12, M13, M14, M15, M16)	M5 - GSC130241EA
21	0131M00016PS	COND MOTOR 1/6 HP, 1 SP, 8 PL (M9, M10, M11)	M6 - GSC130241FA
31	0161R00001P	CONDUIT (M1, M2, M4, M5, M7, M8)	M7 - GSC130301DB
31	0161R00002P	CONDUIT (M9, M10, M11, M12, M13, M14, M15, M16)	M8 - GSC130301EA
31	0121R00116S	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M1, M2, M4, M5)	M9 - GSC130361FB
41	0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 4)	M10 - GSC130361GA
51	0150M00018S	FAN BLADE 20" (M5)	M11 - GSC130363BB
51	0150M00012S	FAN BLADE 20" CCW (M1, M2, M4, M7, M8)	M12 - GSC130421BB
51	B1086775S	FAN BLADE 22" (M12, M13, M14)	M13 - GSC130481BB
51	0150M00008S	FAN BLADE 22" TNT2203-25 (M9, M11)	M14 - GSC130483BB
51	0150M00008S	FAN BLADE 22" TNT2203-25 (M10)	M15 - GSC130601CB
51	B1086750S	FAN BLADE 22", 3 BLADE, 24° (M15, M16)	M16 - GSC130603BB
61	0161L00000	VENTURI RING 22" (M9, M10, M11, M12, M13, M14, M15, M16)	
111	0121R00175PDGB	LOUVERED SIDE PANEL (M15, M16)	
111	0121R00102PDGB	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M1, M2, M4, M5)	
111	0121R00125PDGB	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M9, M10, M11, M12)	
111	0121R00127PDGB	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M13, M14)	
111	0121R00171PDGB	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M7, M8)	
121	0121R00109PDGB	LOUVERED SIDE PANEL (M1, M2, M4, M5)	
121	0121R00132PDGB	LOUVERED SIDE PANEL (M9, M10, M11, M12)	
121	0121R00134PDGB	LOUVERED SIDE PANEL (M13, M14)	
121	0121R00172PDGB	LOUVERED SIDE PANEL (M7, M8)	
121	0121R00176PDGB	LOUVERED SIDE PANEL (M15, M16)	
131	0121R00177PDG	LOUVERED SIDE PANEL (M15, M16)	
131	0121R00139PDG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M9, M10, M11, M12)	
131	0121R00141PDG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M13, M14)	
131	0121R00173PDG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M7, M8)	
3011	0131M00276	MOTOR, 1/8 HP, ISP, 8PL (M3, M6)	
3021	0150M00030	FAN BLADE, 18" (M3, M6)	
NS	0161R00009P	NAMEPLATE	
NS	0121R00274PDG	PANEL, LOUVER (M3, M6)	
NS	0121R00280PDG	POST, LOUVER 23_25.2, PNT DG (M3, M6)	

REPAIR PARTS

GSC10

GSC100903AA
GSC100903AB
GSC100903AD
GSC100904AA
GSC100904AB
GSC100904AC
GSC101203AA
GSC101203AB
GSC101203BA
GSC101204AA
GSC101204AB
GSC101204BA



This manual is to be used by qualified technicians only.

This manual replaces RP-363A

© 2009 Goodman Manufacturing Company, L.P. ♦ 5151 San Felipe, Suite 500 ♦ Houston, TX 77056

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 9

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:
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:

CAP200000440RPS	CAPACITOR 20/370V
ZR108KCTF5950	COMPRESSOR 10900, 200/230/60/3 (M7, M8, M9)
ZR108KCTFD950	COMPRESSOR 10900, 460/60/3 (M10, M11, M12)
ZR84KCTF5950	COMPRESSOR 85500, 200/230/60/3 (M1, M2, M3)
ZR84KCTFD950	COMPRESSOR 85500, 460/60/3 (M4, M5, M6)
0131M00040S	COND MOTOR 1 HP, 1 SP, 230V (M1, M2, M3, M7, M8, M9)
0131M00041S	COND MOTOR 1 HP, 1 SP, 460V (M4, M5, M6, M10, M11, M12)
CONT3P040024VS	CONTACTOR 40 AMP, 3P, 24V
B1243732	CRANKCASE HEATER 460V, 75 WATTS (M4, M5, M6, M10, M11, M12)
B1243731	CRANKCASE HEATER 75W, 240V (M1, M2, M3, M7, M8, M9)
B1360721	CUT-OUT SWITCH, HIGH PRESSURE
B1360719	CUT-OUT SWITCH, LOW PRESSURE

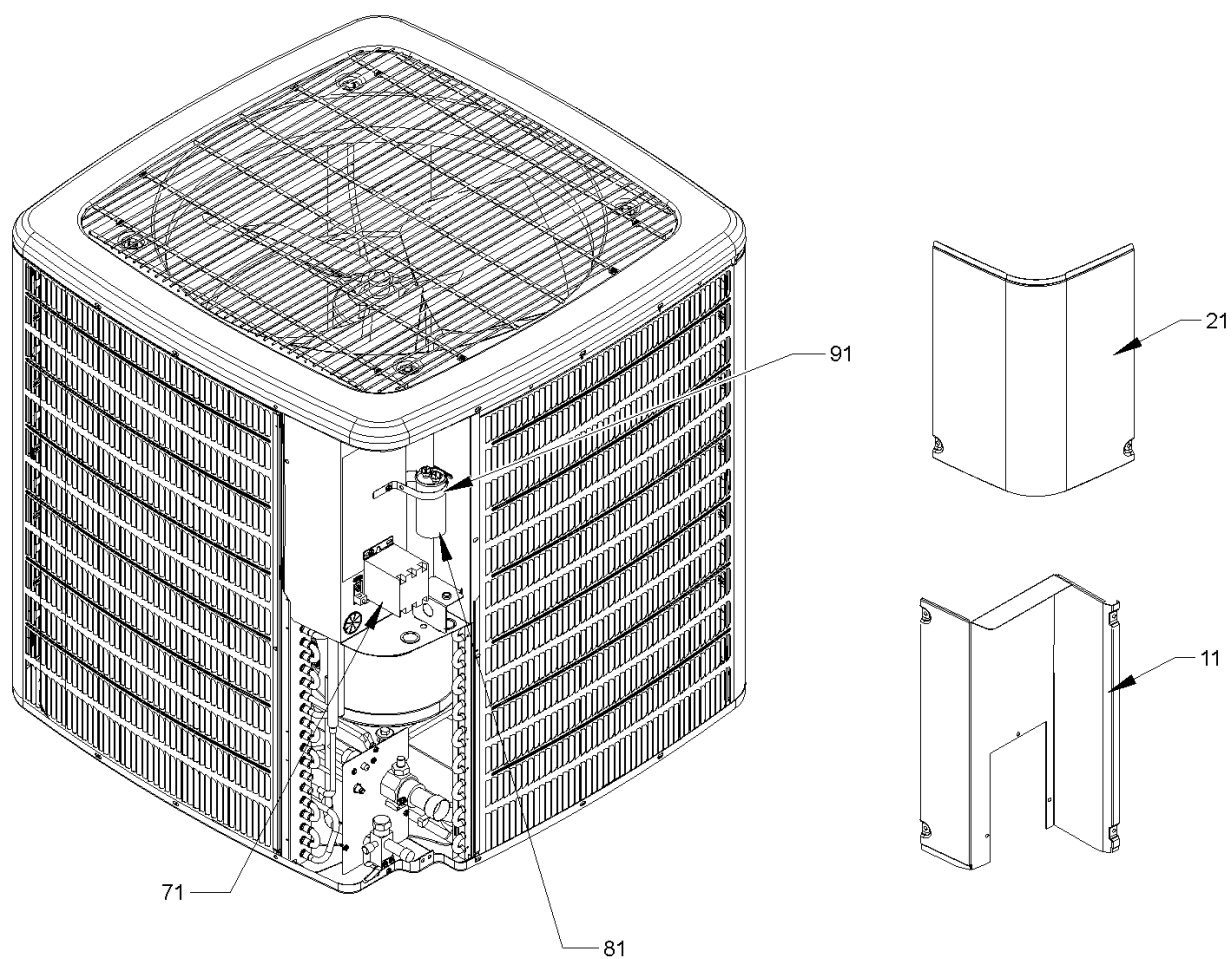
SPECIAL PARTS

0161R00009P NAMEPLATE

Expanded Model Nomenclature

M1 - GSC100903AA
M2 - GSC100903AB
M3 - GSC100903AD
M4 - GSC100904AA
M5 - GSC100904AB
M6 - GSC100904AC
M7 - GSC101203AA
M8 - GSC101203AB
M9 - GSC101203BA
M10 - GSC101204AA
M11 - GSC101204AB
M12 - GSC101204BA

CONTROL COVER/CONTROL BOX



CONTROL COVER/CONTROL BOX

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
----------------------	--------------	----------------------	--------------

Image 1:

11	4400211PDG	LOWER ACCESS PANEL (M1, M2, M3, M4, M5, M6, M9, M12)
11	4400212PDG	LOWER ACCESS PANEL (M7, M8, M10, M11)
21	0121R00053PDG	CONTROL COVER
71	CONT3P040024VS	CONTACTOR 40 AMP, 3P, 24V
81	CAP200000440RPS	CAPACITOR 20/370V
NS	0161R00009P	NAMEPLATE
NS	B1372801	SIGHT GLASS CL90/120

Expanded Model Nomenclature

M1 - GSC100903AA
M2 - GSC100903AB
M3 - GSC100903AD
M4 - GSC100904AA
M5 - GSC100904AB
M6 - GSC100904AC
M7 - GSC101203AA
M8 - GSC101203AB
M9 - GSC101203BA
M10 - GSC101204AA
M11 - GSC101204AB
M12 - GSC101204BA

COMPRESSOR/TUBING ASSEMBLY

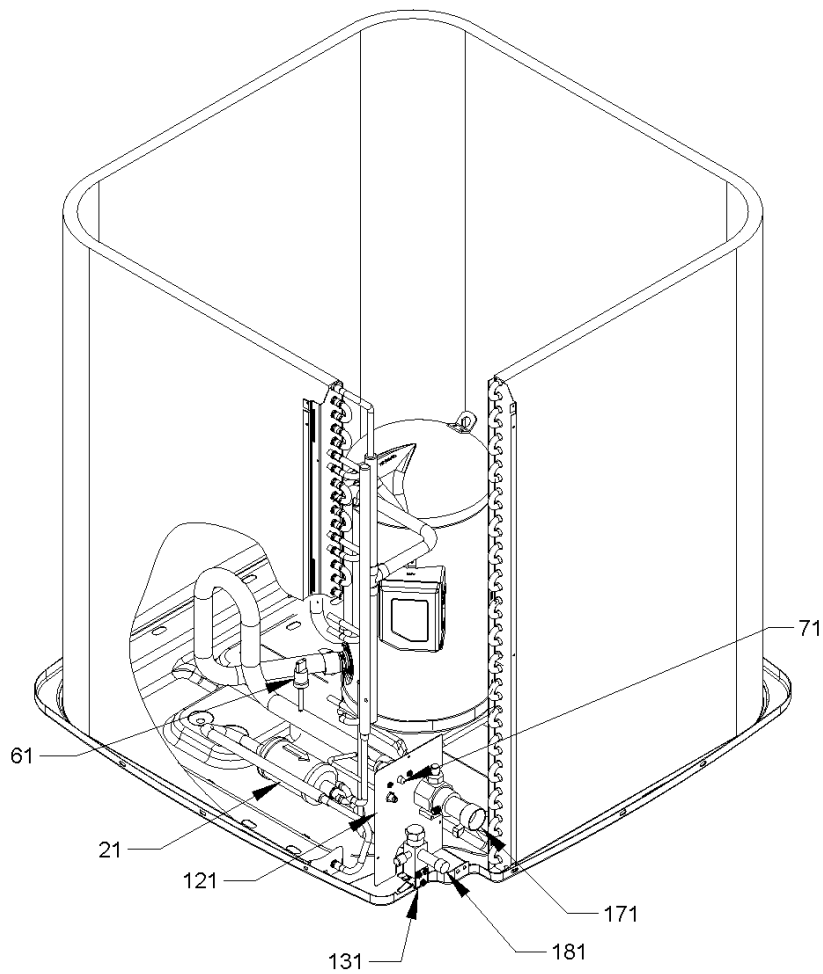


Image 1

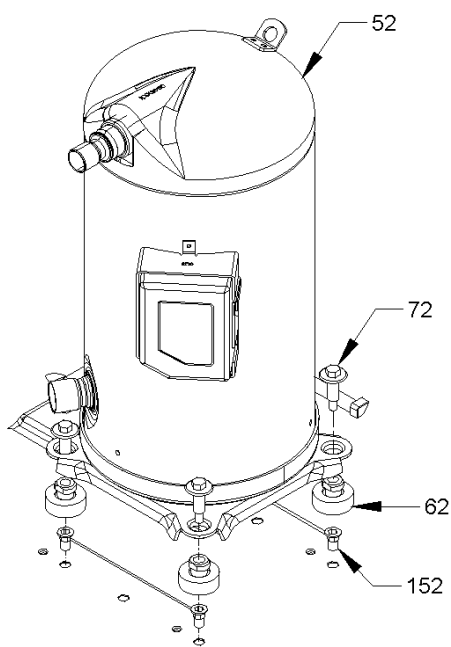
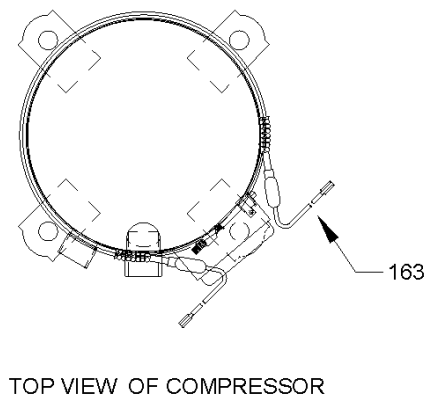


Image 2

Image 3



COMPRESSOR/TUBING ASSEMBLY

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
----------------------	--------------	----------------------	--------------

Image 1:

21	B1219228	FILTER DRIER
61	B1360719	CUT-OUT SWITCH, LOW PRESSURE
71	B1360721	CUT-OUT SWITCH, HIGH PRESSURE
121	4400220PDG	BALL VALVE MOUNTING PANEL (M7, M8, M10, M11)
181	B1282573	5/8" SERVICE VALVE
NS	0121R00007PDG	BASE PAN 35"
NS	0151R00030	BASE VALVE 1 1/8"

Image 2:

52	ZR108KCTF5950	COMPRESSOR 10900, 200/230/60/3 (M7, M8, M9)
52	ZR108KCTFD950	COMPRESSOR 10900, 460/60/3 (M10, M11, M12)
52	ZR84KCTF5950	COMPRESSOR 85500, 200/230/60/3 (M1, M2, M3)
52	ZR84KCTFD950	COMPRESSOR 85500, 460/60/3 (M4, M5, M6)
62	0164M00018	COMPRESSOR GROMMET (QTY 4)
72	B1393740	COMPRESSOR BOLT & SLEEVE (QTY 4)

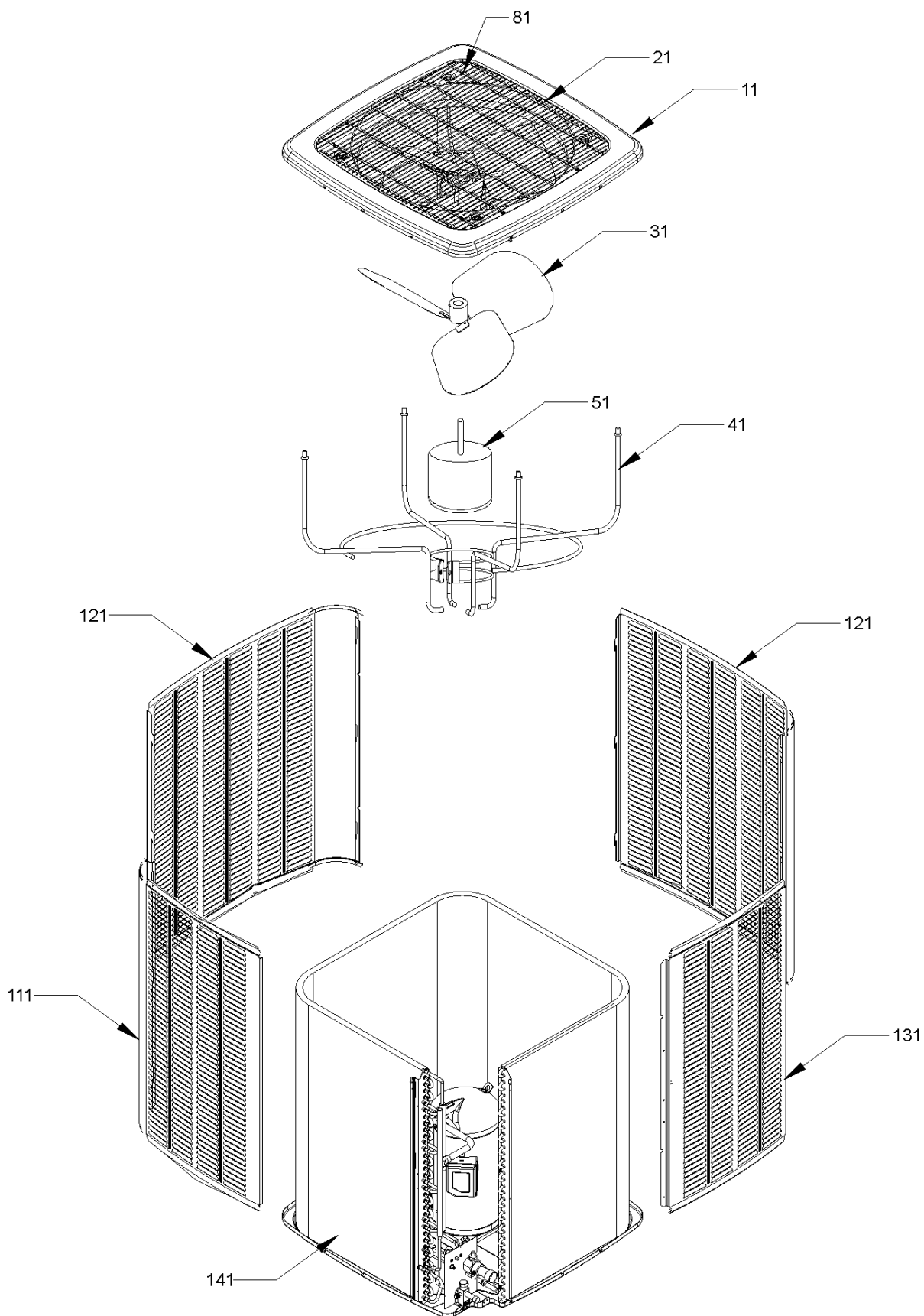
Image 3:

163	B1243732	CRANKCASE HEATER 460V, 75 WATTS (M4, M5, M6, M10, M11, M12)
163	B1243731	CRANKCASE HEATER 75W, 240V (M1, M2, M3, M7, M8, M9)

Expanded Model Nomenclature

M1 - GSC100903AA
M2 - GSC100903AB
M3 - GSC100903AD
M4 - GSC100904AA
M5 - GSC100904AB
M6 - GSC100904AC
M7 - GSC101203AA
M8 - GSC101203AB
M9 - GSC101203BA
M10 - GSC101204AA
M11 - GSC101204AB
M12 - GSC101204BA

COIL/CABINET TOP/SIDE PANELS



COIL/CABINET TOP/SIDE PANELS

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0121R00013PDG	VENTURI TOP PANEL 35"	
21	0152R00003	WIRE GRILL 35"	
31	B1086768	FAN BLADE 26"	
41	0121R00301	BRACKET, MOTOR MOUNTING	
51	0131M00040S	COND MOTOR 1 HP, 1 SP, 230V (M1, M2, M3, M7, M8, M9)	
51	0131M00041S	COND MOTOR 1 HP, 1 SP, 460V (M4, M5, M6, M10, M11, M12)	
81	0163M00003P	SCREW #10 X 1/2, A, SLOT, SR, BLACK (QTY A/R)	
81	B1393530	SCREW HWH, 10 X 1/2, A, YZD, SLOT, SR (QTY A/R)	
111	0121R00044PDGB	LOUVERED SIDE PANEL (M7, M8, M10, M11)	
111	0121R00043PDGB	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M2, M3, M5, M6, M9, M12)	
121	0121R00047PDGBS	LOUVERED SIDE PANEL (M1, M2, M3, M4, M5, M6, M9, M12)	
121	0121R00048PDGB	LOUVERED SIDE PANEL (M7, M8, M11)	
131	0121R00052PDG	LOUVERED SIDE PANEL (M7, M8, M10, M11)	
131	0121R00051PDG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M1, M2, M3, M4, M5, M6, M9, M12)	
141	0201R00079S	TUBING ASSY, COND COIL (M1, M2, M3, M4, M5, M6)	
141	0201R00081S	TUBING ASSY, COND COIL (M7, M8, M10, M11)	

Expanded Model Nomenclature

M1 - GSC100903AA
M2 - GSC100903AB
M3 - GSC100903AD
M4 - GSC100904AA
M5 - GSC100904AB
M6 - GSC100904AC
M7 - GSC101203AA
M8 - GSC101203AB
M9 - GSC101203BA
M10 - GSC101204AA
M11 - GSC101204AB
M12 - GSC101204BA