

GSC10 Remote Condensing Unit

GSC100903AA

GSC100903AB

GSC100903AC

GSC100903AD

GSC100903AE

GSC100904AA

GSC100904AB

GSC100904AC

GSC100904AD

GSC101203AA

GSC101203AB

GSC101203BA

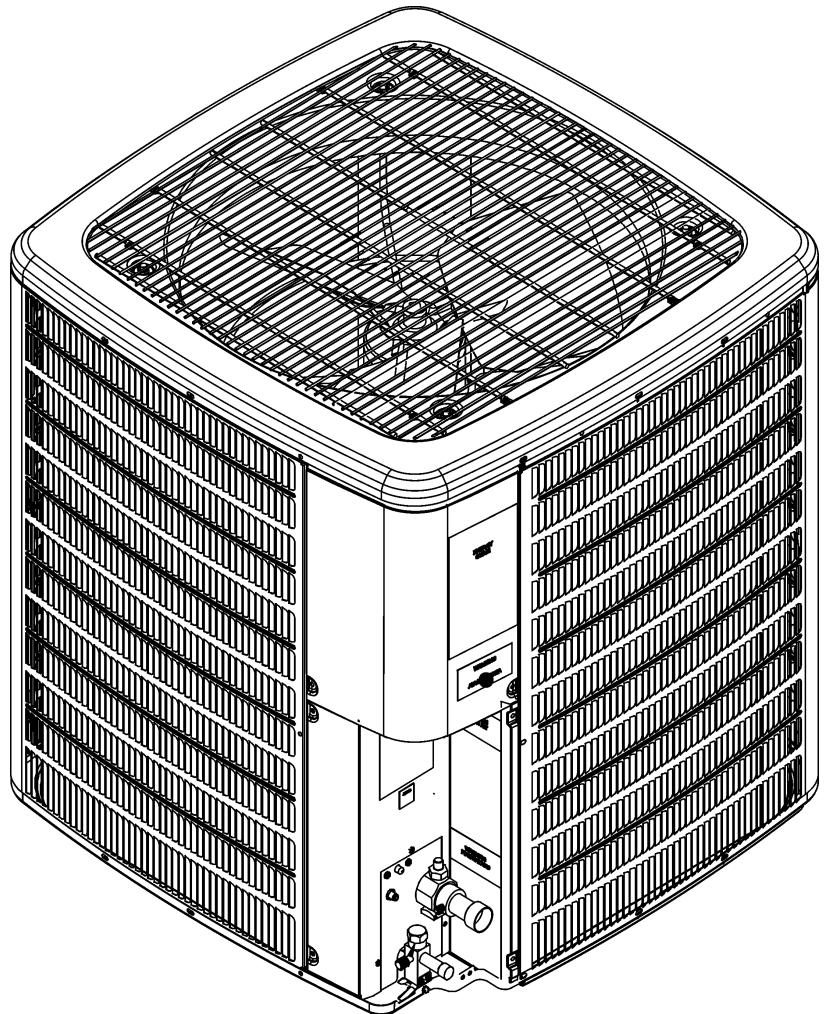
GSC101203BB

GSC101204AA

GSC101204AB

GSC101204BA

GSC101204BB



This manual is to be used by qualified technicians only.

This manual replaces RP-363E.

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Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 9

Views shown are for parts illustrations only, not servicing procedures

Rev E: New Compressor with Oil Change from Mineral to POE

Rev F: Additional models updated with new compressor with oil change

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:**

0151R00030	1 1/8" SERVICE VALVE (M10, M11, M14, M15)
B1282573	BASE VALVE 5/8" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15)
CAP200000440RPP	CAP, 20 MFD/440V/ RD
ZR108KCTF5250	COMP,10900,200/230/60/3 (M10, M11, M12)
ZR108KCETF5250	COMP,10900,200/230/60/3 (M13)
ZR108KCTFD250	COMP,10900,460/60/3 (M14, M16)
ZR108KCETFD250	COMP,10900,460/60/3 (M15, M17)
ZR84KCTFD250	COMP,85500,460/60/3 (M6, M8)
ZR84KCETF5250	COMP,85500/200/230/60/3 (M2, M3, M5)
ZR84KCETFD250	COMP,85500460/60/3 (M7, M9)
ZR84KCTF5250	COMPRESSOR 85500, 200/230/60/3 (M1, M4)
0131M00040	COND MOTOR 1 HP, 1 SP, 230V (M1, M2, M3, M4, M5, M10, M11, M12, M13)
0131M00041	COND MOTOR 1 HP, 1 SP, 460V (M6, M7, M8, M9, M14, M15, M16, M17)
CONT3P040024V	CONTACTOR 40 AMP, 3P, 24V
B1243732	CRANKCASE HEATER 460V, 75 WATTS (M6, M7, M8, M9, M14, M15, M16, M17)
0163L00062	CRANKCASE HEATER 75W, 240V (M1, M2, M3, M4, M5, M10, M11, M12, M13)
B1360721	CUT-OUT SWITCH, HIGH PRESSURE
0130R00058	CUT-OUT SWITCH, LOW PRESSURE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15)
B1086768	FAN BLADE 26"

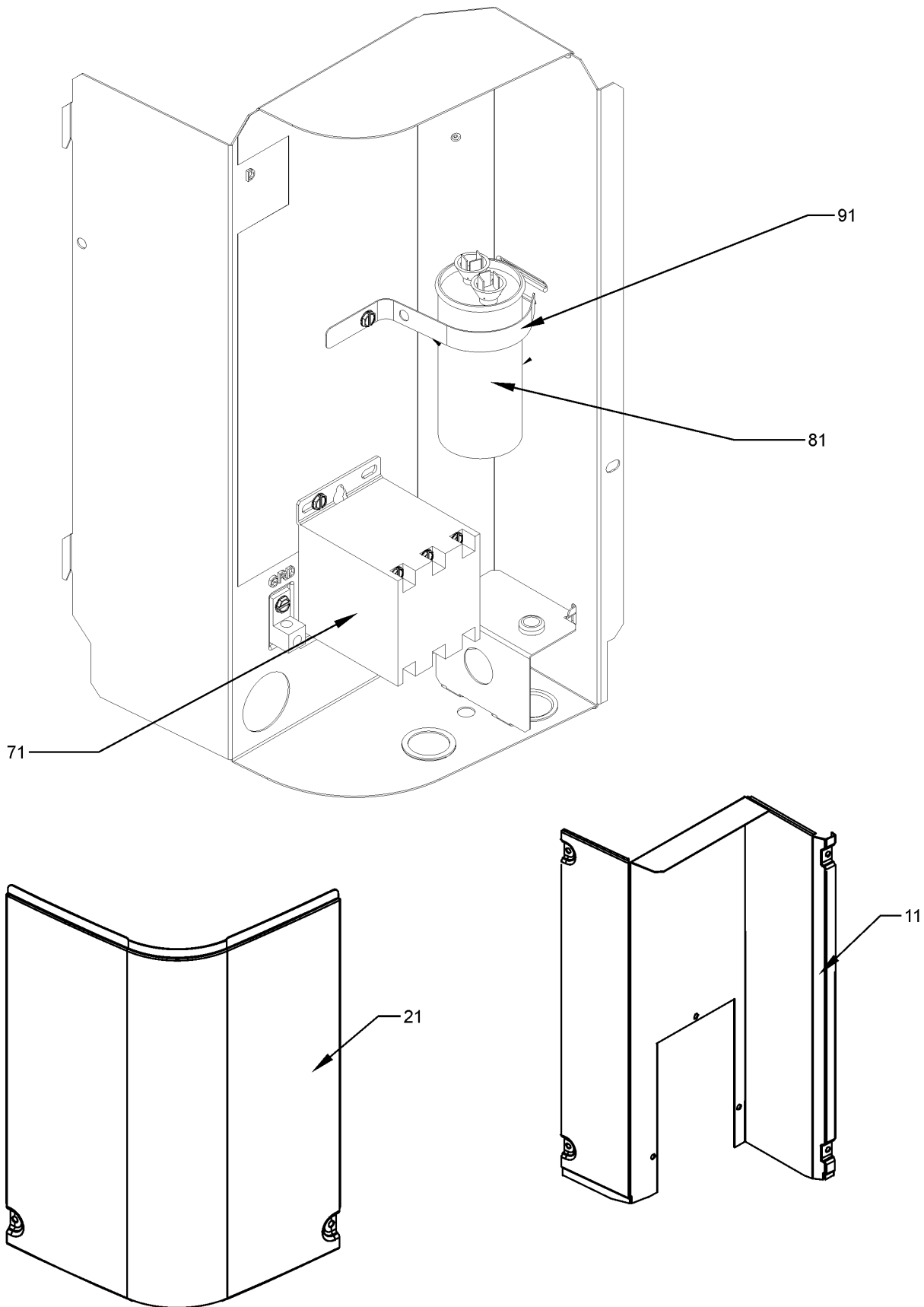
SPECIAL PARTS

0161R00009P NAMEPLATE

Expanded Model Nomenclature

M1 - GSC100903AA
M2 - GSC100903AB
M3 - GSC100903AC
M4 - GSC100903AD
M5 - GSC100903AE
M6 - GSC100904AA
M7 - GSC100904AB
M8 - GSC100904AC
M9 - GSC100904AD
M10 - GSC101203AA
M11 - GSC101203AB
M12 - GSC101203BA
M13 - GSC101203BB
M14 - GSC101204AA
M15 - GSC101204AB
M16 - GSC101204BA
M17 - GSC101204BB

Control Box Assy



Control Box Assy

Ref. Part

No: No: Description:

Ref. Part

No: No: Description:

Image 1:

11	0121R00330PDG	LOWER ACCESS PANEL (M3, M4, M5, M8, M9, M12, M13, M16, M17)
11	4400211PDG	LOWER ACCESS PANEL (M1, M2, M6, M7)
11	4400212PDG	LOWER ACCESS PANEL (M10, M11, M14, M15)
21	0121R00053PDG	CONTROL COVER (M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M15, M16, M17)
21	4400064PDG	CONTROL COVER (M1, M6, M10, M14)
71	CONT3P040024V	CONTACTOR 40 AMP, 3P, 24V
81	CAP200000440RPP	CAP, 20 MFD/440V/ RD
91	4400065	CAPACITOR STRAP
NS	0161R00009P	NAMEPLATE
NS	B1372801	SIGHT GLASS CL90/120

Expanded Model Nomenclature

M1 - GSC100903AA
M2 - GSC100903AB
M3 - GSC100903AC
M4 - GSC100903AD
M5 - GSC100903AE
M6 - GSC100904AA
M7 - GSC100904AB
M8 - GSC100904AC
M9 - GSC100904AD
M10 - GSC101203AA
M11 - GSC101203AB
M12 - GSC101203BA
M13 - GSC101203BB
M14 - GSC101204AA
M15 - GSC101204AB
M16 - GSC101204BA
M17 - GSC101204BB

Compressor / Tubing Assy

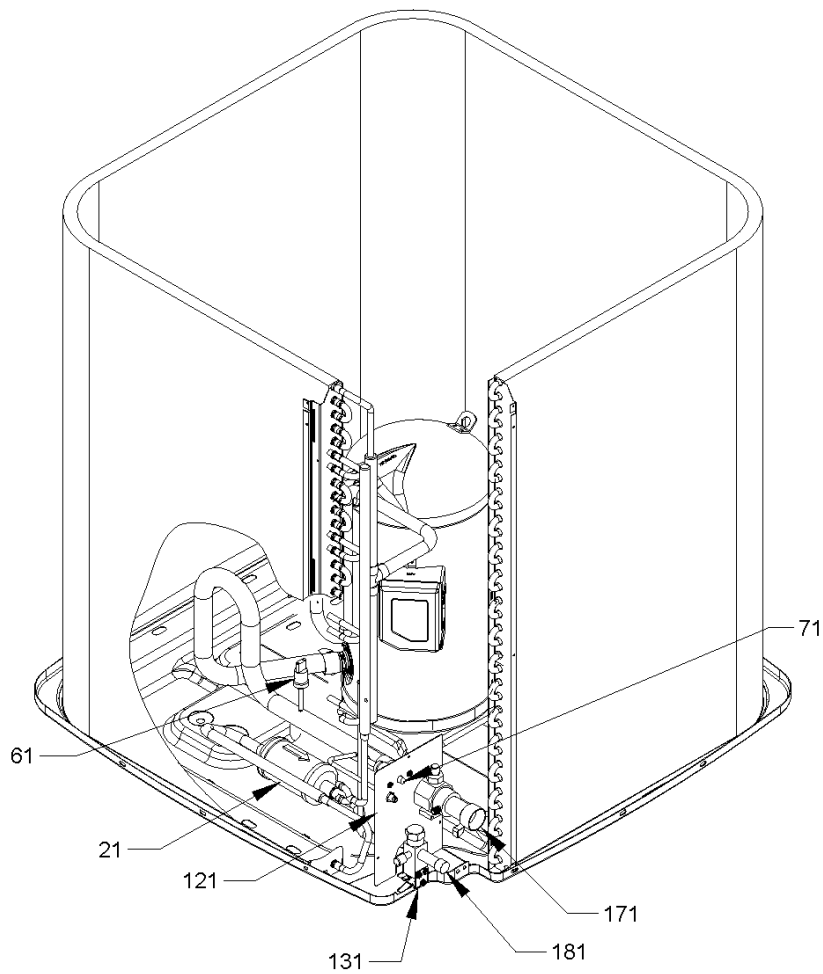


Image 1

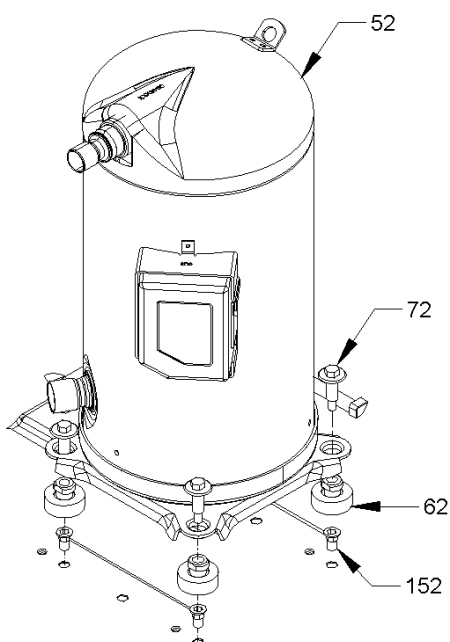
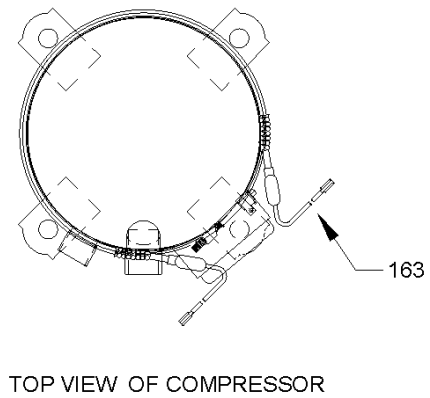


Image 2

Image 3



TOP VIEW OF COMPRESSOR

Compressor / Tubing Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

21	B1219228	FILTER DRIER
61	0130R00058	CUT-OUT SWITCH, LOW PRESSURE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15)
71	B1360721	CUT-OUT SWITCH, HIGH PRESSURE
121	0121R00300PDG	BALL VALVE MOUNTING PANEL (M1, M2, M3, M4, M5, M6, M7, M8, M9, M12, M13, M16, M17)
121	4400220PDG	BALL VALVE MOUNTING PANEL (M10, M11, M14, M15)
131	0121R00007PDG	BASE PAN 35" (M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M15, M16, M17)
131	4400012PDG	BASE PAN 35" (M1, M6, M10, M14)
171	0151R00030	1 1/8" SERVICE VALVE (M10, M11, M14, M15)
181	B1282573	BASE VALVE 5/8" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15)

Image 2:

52	ZR108KCETF5250	COMP,10900,200/230/60/3 (M13)
52	ZR108KCTF5250	COMP,10900,200/230/60/3 (M10, M11, M12)
52	ZR108KCETFD250	COMP,10900,460/60/3 (M15, M17)
52	ZR108KCTFD250	COMP,10900,460/60/3 (M14, M16)
52	ZR84KCTFD250	COMP,85500,460/60/3 (M6, M8)
52	ZR84KCETF5250	COMP,85500/200/230/60/3 (M2, M3, M5)
52	ZR84KCETFD250	COMP,85500,460/60/3 (M7, M9)
52	ZR84KCTF5250	COMPRESSOR 85500, 200/230/60/3 (M1, M4)
62	0164M00018	COMPRESSOR GROMMET (QTY 4)
72	B1393740	COMPRESSOR BOLT & SLEEVE (QTY 4)
152	B1393027	HEX NUT INSERT 5/16-18 (QTY 4)

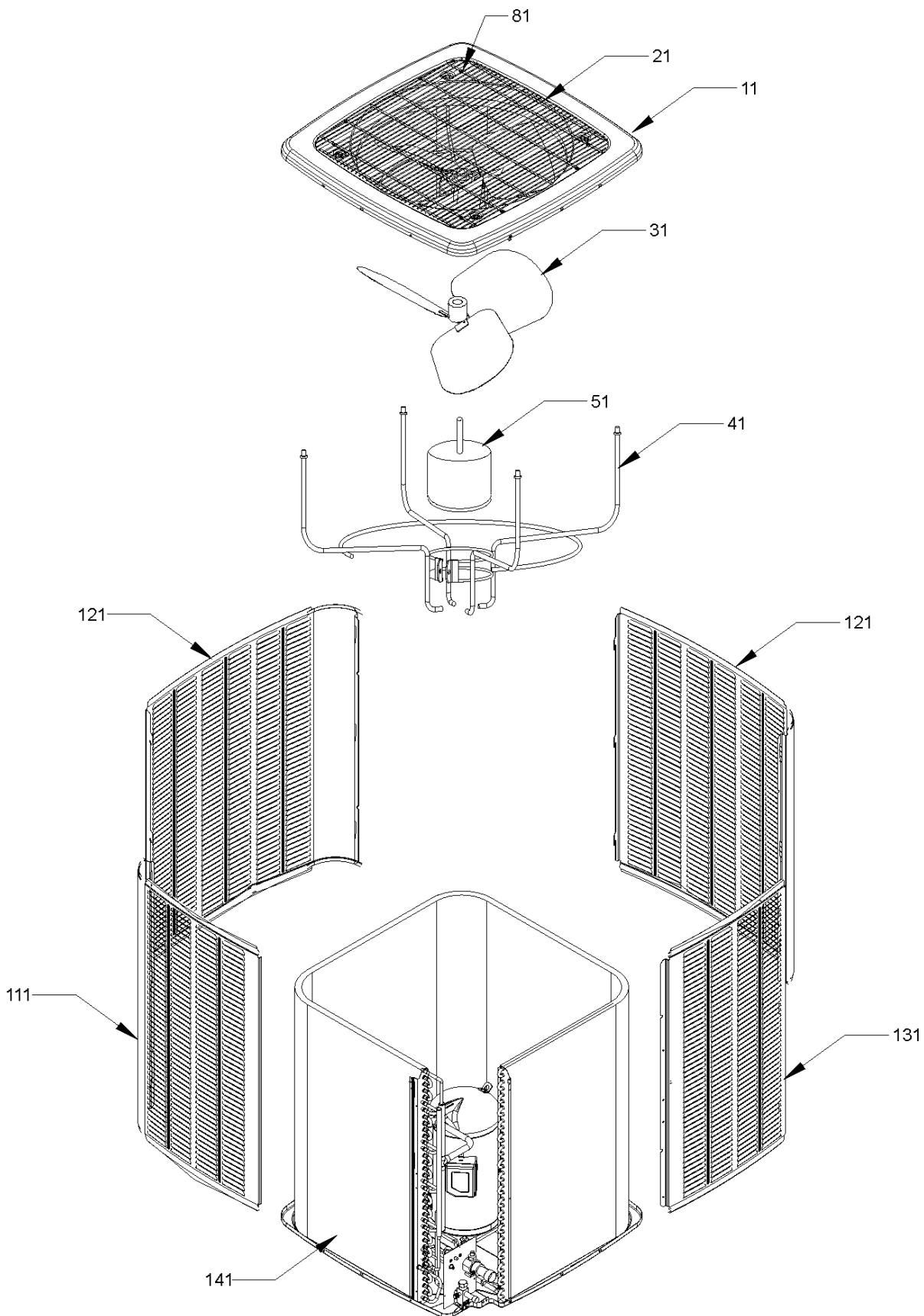
Image 3:

163	B1243732	CRANKCASE HEATER 460V, 75 WATTS (M6, M7, M8, M9, M14, M15, M16, M17)
163	0163L00062	CRANKCASE HEATER 75W, 240V (M1, M2, M3, M4, M5, M10, M11, M12, M13)

Expanded Model Nomenclature

M1 - GSC100903AA
M2 - GSC100903AB
M3 - GSC100903AC
M4 - GSC100903AD
M5 - GSC100903AE
M6 - GSC100904AA
M7 - GSC100904AB
M8 - GSC100904AC
M9 - GSC100904AD
M10 - GSC101203AA
M11 - GSC101203AB
M12 - GSC101203BA
M13 - GSC101203BB
M14 - GSC101204AA
M15 - GSC101204AB
M16 - GSC101204BA
M17 - GSC101204BB

Cabinet Top & Side Panels / Cond Coil



Cabinet Top & Side Panels / Cond Coil

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	4400094PDG	PANEL, TOP, VENTURI 35", PNT (M1, M6, M10, M14)
11	0121R00013PDG	VENTURI TOP PANEL 35" (M2, M3, M4, M5, M7, M8, M9, M11, M12, M13, M15, M16, M17)
21	0152R00013	WIRE GRILL 35"
31	B1086768	FAN BLADE 26"
41	0121R00301	BRACKET, MOTOR MOUNTING
51	0131M00040	COND MOTOR 1 HP, 1 SP, 230V (M1, M2, M3, M4, M5, M10, M11, M12, M13)
51	0131M00041	COND MOTOR 1 HP, 1 SP, 460V (M6, M7, M8, M9, M14, M15, M16, M17)
81	0163M00003P	SCREW #10 X 1/2, A, SLOT, SR, BLACK (QTY 2)
111	0121R00044PDGB	LOUVERED SIDE PANEL (M11, M15)
111	0121R00043PDGB	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M2, M3, M4, M5, M7, M8, M9, M12, M13, M16, M17)
111	4400138PDG	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M1, M6)
111	4400183PDG	LOUVERED SIDE PANEL [LT OF CNTL PNL] (M10, M14)
121	0121R00047PDGB	LOUVERED SIDE PANEL (M2, M3, M4, M5, M7, M8, M9, M12, M13, M16, M17)
121	0121R00048PDGB	LOUVERED SIDE PANEL (M11, M15)
121	4400140PDG	LOUVERED SIDE PANEL (M1, M6)
121	4400190PDG	LOUVERED SIDE PANEL (M10, M14)
131	0121R00052PDG	LOUVERED SIDE PANEL (M11, M15)
131	0121R00051PDG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M2, M3, M4, M5, M7, M8, M9, M12, M13, M16, M17)
131	4400142PDG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M1, M6)
131	4400197PDG	LOUVERED SIDE PANEL [RT OF CNTL PNL] (M10, M14)
141	0201R00079	TUBING ASSY, COND COIL (M1, M2, M3, M4, M5, M6, M7, M8, M9)
141	0201R00081	TUBING ASSY, COND COIL (M10, M11, M14, M15)
141	0201R00377	TUBING ASSY, COND COIL (M12, M13, M16, M17)
NS	B1393024	SCREW HWH,10 X 1/2, A, YZD, SLOT, SR (QTY 4)
NS	B1393804	SCREW HWH,10 X 1/2, A, YZD, SLOT, SR

Expanded Model Nomenclature

M1 - GSC100903AA
M2 - GSC100903AB
M3 - GSC100903AC
M4 - GSC100903AD
M5 - GSC100903AE
M6 - GSC100904AA
M7 - GSC100904AB
M8 - GSC100904AC
M9 - GSC100904AD
M10 - GSC101203AA
M11 - GSC101203AB
M12 - GSC101203BA
M13 - GSC101203BB
M14 - GSC101204AA
M15 - GSC101204AB
M16 - GSC101204BA
M17 - GSC101204BB