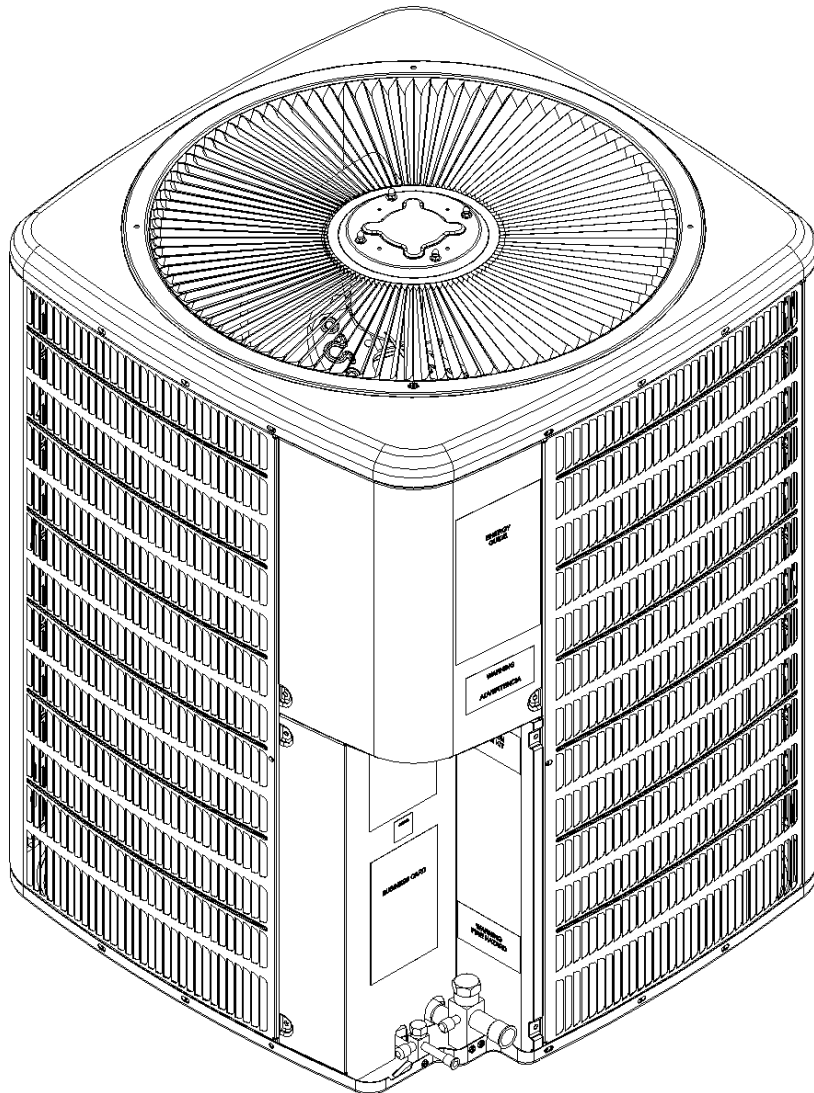


REPAIR PARTS

GSC13 SEER Condenser Unit

GSC130181BB
GSC130181DA
GSC130181FA
GSC130241DB
GSC130241EA
GSC130241FA
GSC130301DB
GSC130301EA
GSC130301EB
GSC130361FB
GSC130361GA
GSC130363BB
GSC130363BC
GSC130421BB
GSC130421CA
GSC130481BB
GSC130481CA
GSC130483BB
GSC130483CA
GSC130484BC
GSC130601CB
GSC130603BB



This manual is to be used by qualified technicians only.

This manual replaces RP-652C.

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Important Information

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Illustration and Parts	4 - 9

Views shown are for parts illustrations only, not servicing procedures.

Rev D: Addition of GSC130481CA and GSC130483CA

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:

0131M00266	1/8 HP 8 PL PSC MOTOR (M1, M2, M4, M5, M7, M8)
B12825171	3/8" SERVICE VALVE
730027-2001-10	BRISTOL COMPRESSOR (M2, M3)
730030-2001-10	BRISTOL COMPRESSOR (M5)
730049-2001-10	BRISTOL COMPRESSOR (M11)
CAP050350440RS	CAPACITOR 5/35/440V (M1, M2, M3, M4, M5, M6, M10)
CAP050000370VA	CAPACITOR 5/370V (M12, M13, M18, M19, M20, M22)
CAP050400440RT	CAPACITOR 5/40/440V (M7, M8, M9)
CAP050450440RT	CAPACITOR 5/45/440V (M11)
CAP050500440RT	CAPACITOR 5/50/440V (M15)
CAP050550440RT	CAPACITOR 5/55/440V (M14, M16, M17)
CAP050600440RT	CAPACITOR 5/60/440V (M21)
ZR25K5PFV100	COMP, 25300, 208/230/60/1 (M8, M9)
ZR32K5PFV130	COMP, 32000, 208/230/60/1 (M15)
ZR38K5PFV130	COMP, 38000, 208/230/60/1 (M17)
ZR21K5PFV100	COMP, 21000, 208/230/60/1 (M6)
CR28K7TF5230	COMP, 28000, 200/230/60/3 (M12)
ZR28K5TF5130	COMP, 28400, 200/230/60/3 (M13)
ZR38K5TF5130	COMP, 38000, 200/230/60/3 (M19)
ZR38K5TFD130	COMP, 38000, 460/60/3 (M20)
ZR42K5TF5100	COMP, 40600, 208/230/60/3 (M18)
CR14K7PFV270	COMPRESSOR 14100, 208/230/60/1 (M1)
CR18K7PFV230	COMPRESSOR 17500, 208/230/60/1 (M4)
CR24K6PFV260	COMPRESSOR 22600, 208/230/60/1 (M7)
CR28K7PFV230	COMPRESSOR 28300, 208/230/60/1 (M10)
ZR38KAPFV130	COMPRESSOR 38000, 208/230/60/1 (M14)
ZR40K3PFV230	COMPRESSOR 40600, 208/230/60/1 (M16)
ZR48K5TF5100	COMPRESSOR 49100, 200/230/60/3 (M22)
ZR48K3PFV235	COMPRESSOR 49800, 208/230/60/1 (M21)
0131M00018P	COND MOTOR 1/4 HP, 1 SP, 6 PL (M13, M14, M15, M16, M17, M18, M19, M21, M22)
0131M00022	COND MOTOR 1/4 HP, 8 PL, 460V (M20)
0131M00060	COND MOTOR 1/6 HP, 1 SP, 8 PL (M10, M11, M12)
0131M00276	COND MOTOR, 1/8 HP, ISP, 6PL (M3, M6)
0131M00294	COND MOTOR, 1/8HP, ISP, 6PL (M9)
CONT1P025024V	CONTACTOR 25 AMP, 1P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15, M16, M17)
CONT3P025024V	CONTACTOR 25 AMP, 3P, 24V (M12, M13, M18, M19, M20, M22)
CONT2P030024V	CONTACTOR 30 AMP, 2P, 24V (M21)
0150M00012	FAN BLADE 20" CCW (M1, M2, M4, M5, M7, M8)
B1086775	FAN BLADE 22" (M14, M15, M16, M17, M18, M19)
0150M00008	FAN BLADE 22" TNT2203-25 (M10, M12, M20)
B1086750	FAN BLADE 22", 3 BLADE, 24" (M13, M21, M22)
B1086764	FAN BLADE TYPE 2 (M11)
0150M00030	FAN BLADE, 18" (M3, M6)
0150M00033	FAN BLADE, 20", 3 BLADE, 24DEG (M9)
0151R00032	VALVE, BASE 3/4" OPEN LEFT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M15)
0151R00033	VALVE, BASE 7/8" OPEN LEFT (M14, M16, M17, M18, M19, M20, M21, M22)

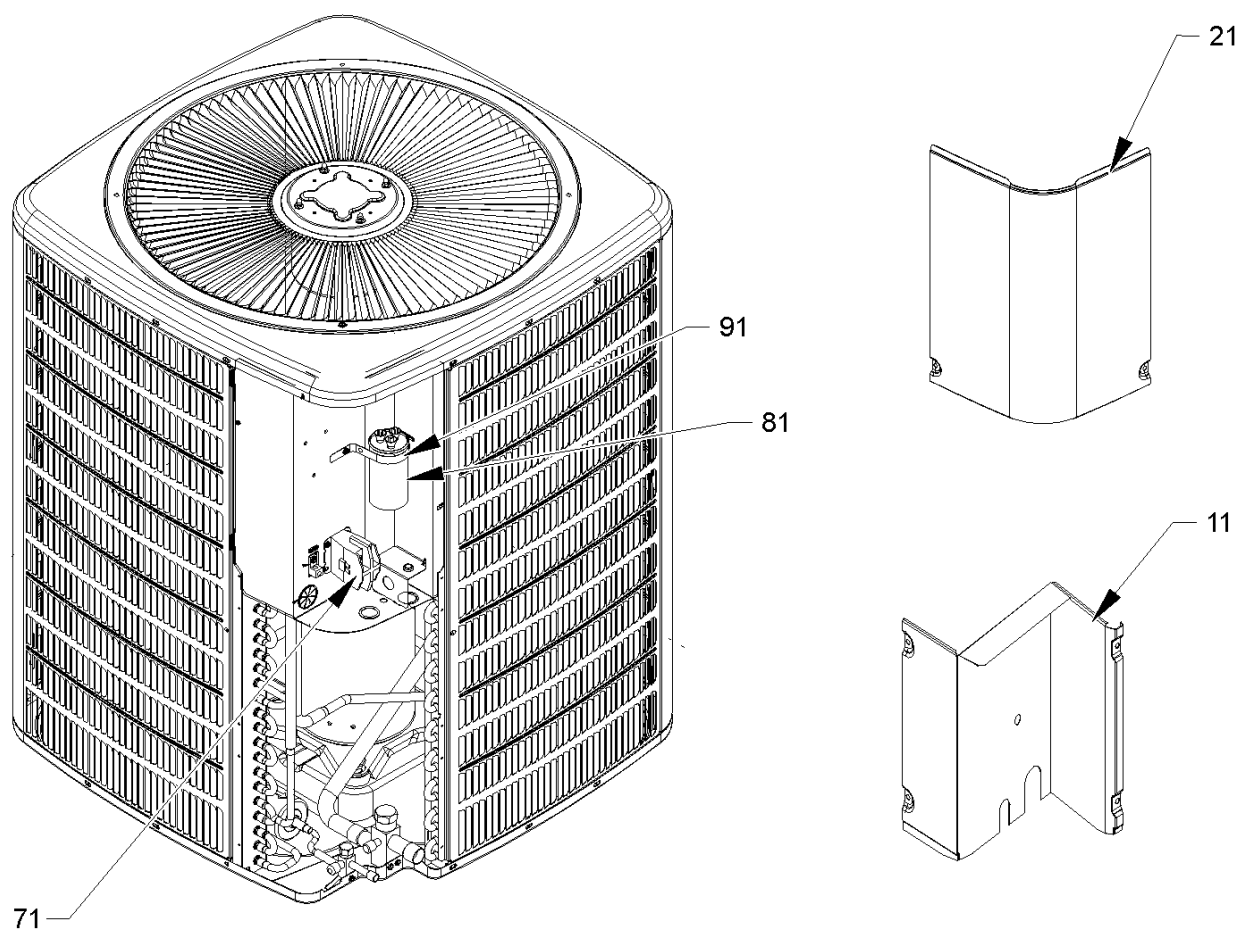
SPECIAL PARTS

B1789855	FLOW CHECK PISTON KIT .055 (M1, M2, M3)
B1789861	FLOW CHECK PISTON KIT .061 (M6)
B1789865	FLOW CHECK PISTON KIT .065 (M9)
B1789871	FLOW CHECK PISTON KIT .071 (M13)
B1789874	FLOW CHECK PISTON KIT .074 (M11, M12)
B1789876	FLOW CHECK PISTON KIT .076 (M15)
B1789882	FLOW CHECK PISTON KIT .082 (M17, M19, M20)
B1789884	FLOW CHECK PISTON KIT .084 (M14)
B1789888	FLOW CHECK PISTON KIT .088 (M16, M18)
B1789893	FLOW CHECK PISTON KIT .093 (M21, M22)

Expanded Model Nomenclature

M1 - GSC130181BB
M2 - GSC130181DA
M3 - GSC130181FA
M4 - GSC130241DB
M5 - GSC130241EA
M6 - GSC130241FA
M7 - GSC130301DB
M8 - GSC130301EA
M9 - GSC130301EB
M10 - GSC130361FB
M11 - GSC130361GA
M12 - GSC130363BB
M13 - GSC130363BC
M14 - GSC130421BB
M15 - GSC130421CA
M16 - GSC130481BB
M17 - GSC130481CA
M18 - GSC130483BB
M19 - GSC130483CA
M20 - GSC130484BC
M21 - GSC130601CB
M22 - GSC130603BB

Control Cover/Control Box



Control Cover/Control Box

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

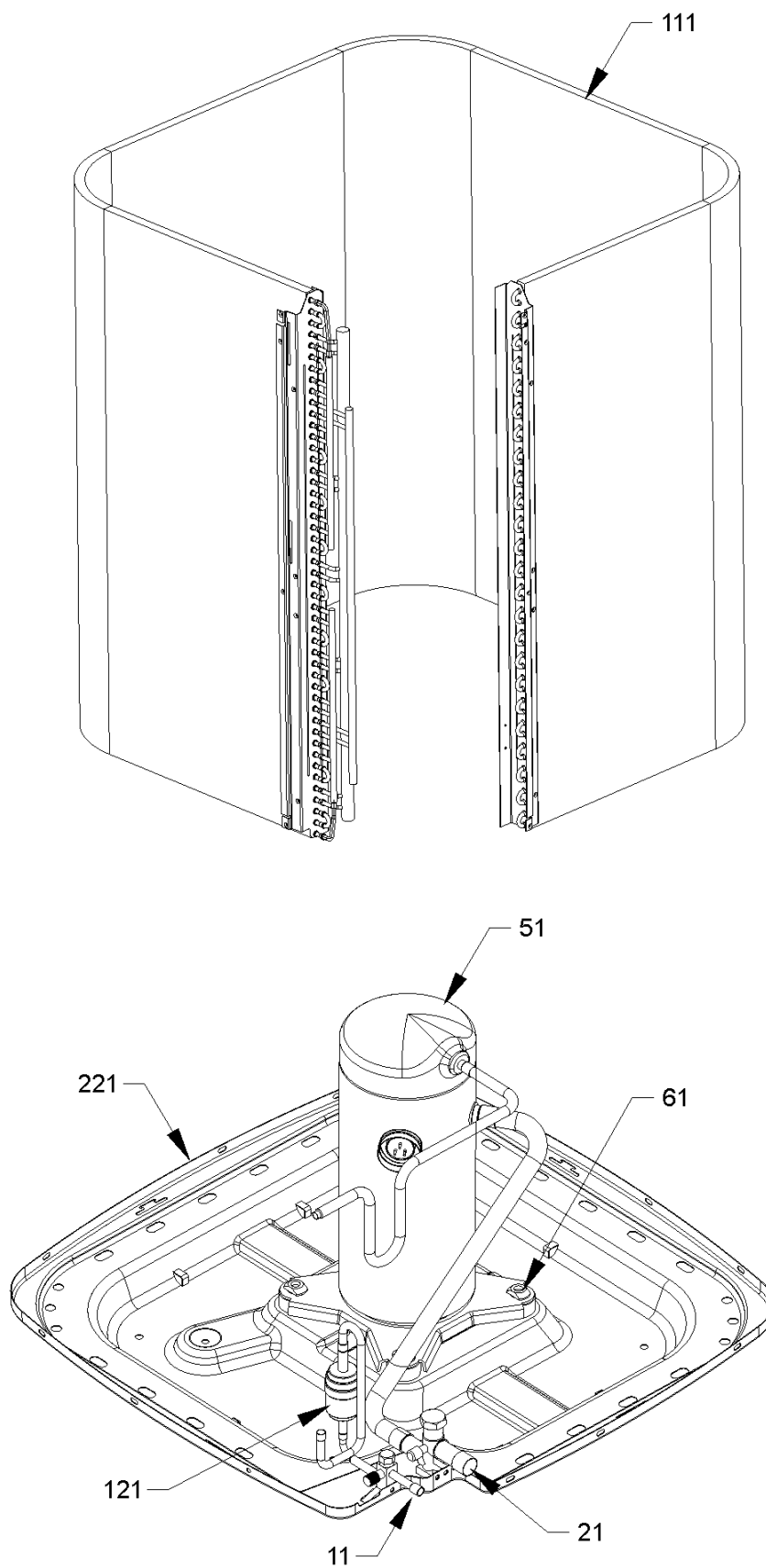
Image 1:

11	0121R00265	LOWER ACCESS PANEL (M3, M6)
11	0121R00316PDG	PANEL, LOWER ACCESS PNT (M21, M22)
11	0121R00319PDG	PANEL, LOWER ACCESS PNT (M16, M17, M18, M19, M20)
11	0121R00322PDG	PANEL, LOWER ACCESS PNT (M7, M8, M9, M10, M11, M12, M13, M14, M15)
11	0121R00326PDG	PANEL, LOWER ACCESS PNT (M1, M2, M4, M5)
21	0121R00053PDG	CONTROL COVER (M1, M2, M4, M5, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)
21	0121R00268PDG	CONTROL COVER (M3, M6)
71	CONT1P025024V	CONTACTOR 25 AMP, 1P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M14, M15, M16, M17)
71	CONT3P025024V	CONTACTOR 25 AMP, 3P, 24V (M12, M13, M18, M19, M20, M22)
71	CONT2P030024V	CONTACTOR 30 AMP, 2P, 24V (M21)
81	CAP050350440RS	CAPACITOR 5/35/440V (M1, M2, M3, M4, M5, M6, M10)
81	CAP050000370VA	CAPACITOR 5/370V (M12, M13, M18, M19, M20, M22)
81	CAP050400440RT	CAPACITOR 5/40/440V (M7, M8, M9)
81	CAP050450440RT	CAPACITOR 5/45/440V (M11)
81	CAP050500440RT	CAPACITOR 5/50/440V (M15)
81	CAP050550440RT	CAPACITOR 5/55/440V (M14, M16, M17)
81	CAP050600440RT	CAPACITOR 5/60/440V (M21)
91	4400065	CAPACITOR STRAP

Expanded Model Nomenclature

M1 - GSC130181BB
M2 - GSC130181DA
M3 - GSC130181FA
M4 - GSC130241DB
M5 - GSC130241EA
M6 - GSC130241FA
M7 - GSC130301DB
M8 - GSC130301EA
M9 - GSC130301EB
M10 - GSC130361FB
M11 - GSC130361GA
M12 - GSC130363BB
M13 - GSC130363BC
M14 - GSC130421BB
M15 - GSC130421CA
M16 - GSC130481BB
M17 - GSC130481CA
M18 - GSC130483BB
M19 - GSC130483CA
M20 - GSC130484BC
M21 - GSC130601CB
M22 - GSC130603BB

Coil/Compressor/Tubing Assembly



Coil/Compressor/Tubing Assembly

**Ref. Part
No: No:**

Description:

Image 1:

11	B12825171	3/8" SERVICE VALVE
21	0151R00032	VALVE, BASE 3/4" OPEN LEFT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M15)
21	0151R00033	VALVE, BASE 7/8" OPEN LEFT (M14, M16, M17, M18, M19, M20, M21, M22)
51	730027-2001-10	BRISTOL COMPRESSOR (M2, M3)
51	730030-2001-10	BRISTOL COMPRESSOR (M5)
51	730049-2001-10	BRISTOL COMPRESSOR (M11)
51	ZR25K5PFV100	COMP, 25300, 208/230/60/1 (M8, M9)
51	ZR32K5PFV130	COMP, 32000, 208/230/60/1 (M15)
51	ZR38K5PFV130	COMP, 38000, 208/230/60/1 (M17)
51	ZR21K5PFV100	COMP, 21000, 208/230/60/1 (M6)
51	CR28K7TF5230	COMP, 28000, 200/230/60/3 (M12)
51	ZR28K5TF5130	COMP, 28400, 200/230/60/3 (M13)
51	ZR38K5TF5130	COMP, 38000, 200/230/60/3 (M19)
51	ZR38K5TFD130	COMP, 38000, 460/60/3 (M20)
51	ZR42K5TF5100	COMP, 40600, 208/230/60/3 (M18)
51	CR14K7PFV270	COMPRESSOR 14100, 208/230/60/1 (M1)
51	CR18K7PFV230	COMPRESSOR 17500, 208/230/60/1 (M4)
51	CR24K6PFV260	COMPRESSOR 22600, 208/230/60/1 (M7)
51	CR28K7PFV230	COMPRESSOR 28300, 208/230/60/1 (M10)
51	ZR38KAPFV130	COMPRESSOR 38000, 208/230/60/1 (M14)
51	ZR40K3PFV230	COMPRESSOR 40600, 208/230/60/1 (M16)
51	ZR48K5TF5100	COMPRESSOR 49100, 200/230/60/3 (M22)
51	ZR48K3PFV235	COMPRESSOR 49800, 208/230/60/1 (M21)
61	B1339530	COMPRESSOR GROMMET (M1, M4, M7, M10, M12)
61	B1339533	COMPRESSOR GROMMET (M2, M3, M5, M6, M8, M9, M11, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)
111	0201R00177	TUBING ASSY, COND COIL (M1, M2, M4, M5)
111	0201R00232	TUBING ASSY, COND COIL (M7, M8, M9)
111	0201R00238	TUBING ASSY, COND COIL (M10, M11, M12, M13, M15)
111	0201R00249	TUBING ASSY, COND COIL (M16, M17, M18)
111	0201R00262	TUBING ASSY, COND COIL (M21, M22)
111	0201R00278	TUBING ASSY, COND COIL (M14)
111	0201R00390	TUBING ASSY, COND COIL (M3, M6)
111	0201R00429	TUBING ASSY, COND COIL (M19, M20)
121	B1219225	SINGLE-FLOW FILTER DRIER, STEEL
221	0121R00005PDG	BASE PAN 26" (M1, M2, M4, M5, M7, M8, M9)
221	0121R00006PDG	BASE PAN 29" (M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)
221	0121R00272PDG	BASE PAN, 23" (M3, M6)
NS	0159R00000P	COMPRESSOR SCROLL HARNESS (M6, M8, M9)
NS	0159R00002P	COMPRESSOR SCROLL HARNESS (M14, M15, M17, M19)
NS	0159R00008	COMPRESSOR SCROLL HARNESS (M20)

**Ref. Part
No: No:**

Description:

Image 1:

NS	0159R00009	COMPRESSOR SCROLL HARNESS (M13)
NS	B1789855	FLOW CHECK PISTON KIT .055 (M1, M2, M3)
NS	B1789861	FLOW CHECK PISTON KIT .061 (M6)
NS	B1789865	FLOW CHECK PISTON KIT .065 (M9)
NS	B1789871	FLOW CHECK PISTON KIT .071 (M13)
NS	B1789874	FLOW CHECK PISTON KIT .074 (M11, M12)
NS	B1789876	FLOW CHECK PISTON KIT .076 (M15)
NS	B1789882	FLOW CHECK PISTON KIT .082 (M17, M19, M20)
NS	B1789884	FLOW CHECK PISTON KIT .084 (M14)
NS	B1789888	FLOW CHECK PISTON KIT .088 (M16, M18)
NS	B1789893	FLOW CHECK PISTON KIT .093 (M21, M22)
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 - GSC130301EB
M10 - GSC130361FB
M11 - GSC130361GA
M12 - GSC130363BB
M13 - GSC130363BC
M14 - GSC130421BB
M15 - GSC130421CA
M16 - GSC130481BB
M17 - GSC130481CA
M18 - GSC130483BB
M19 - GSC130483CA
M20 - GSC130484BC
M21 - GSC130601CB
M22 - GSC130603BB

Cabinet Top/Side Panels

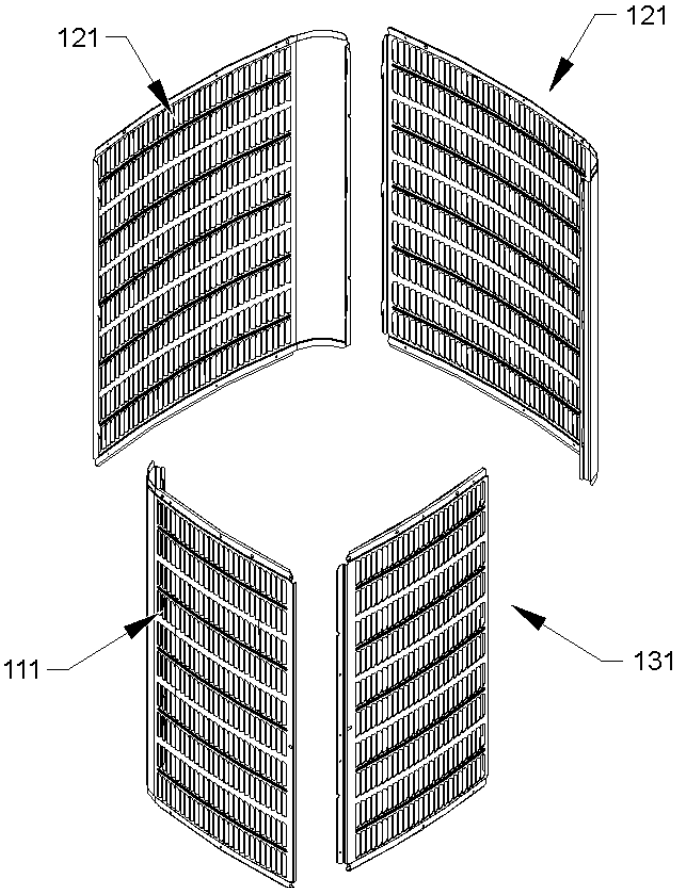
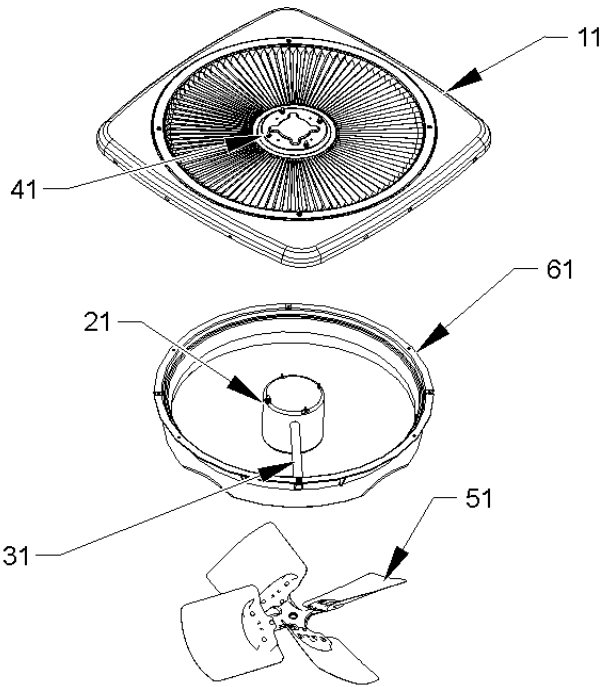
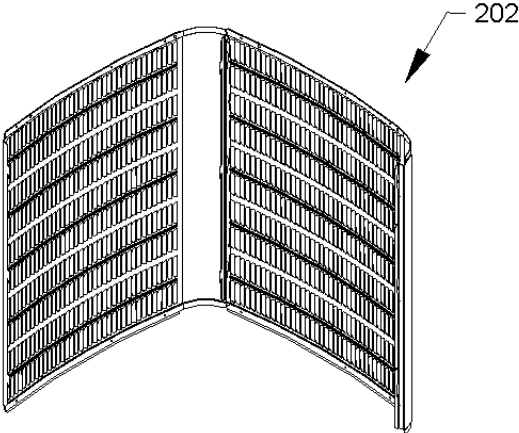


IMAGE 2



Cabinet Top/Side Panels

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		<i>Image 1:</i>	
11	0121R00270PDG TOP PANEL 23" (M3, M6)	NS	0161R00032 CONDUIT (M3, M6)
11	0121R00008PDG TOP PANEL 26" (M1, M2, M4, M5, M7, M8, M9)	NS	0161R00009P NAMEPLATE
11	0121R00010PDG TOP PANEL 29" (M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)	<i>Image 2:</i>	
21	0131M00266 1/8 HP 8 PL PSC MOTOR (M1, M2, M4, M5, M7, M8)	202	0121R00274PDGL LOUVERED SIDE PANEL (M3, M6)
21	0131M00018P COND MOTOR 1/4 HP, 1 SP, 6 PL (M13, M14, M15, M16, M17, M18, M19, M21, M22)	202	0121R00274PDGR LOUVERED SIDE PANEL (M3, M6)
21	0131M00022 COND MOTOR 1/4 HP, 8 PL, 460V (M20)	Expanded Model Nomenclature	
21	0131M00060 COND MOTOR 1/6 HP, 1 SP, 8 PL (M10, M11, M12)	M1 - GSC130181BB M2 - GSC130181DA M3 - GSC130181FA M4 - GSC130241DB M5 - GSC130241EA M6 - GSC130241FA M7 - GSC130301DB M8 - GSC130301EA M9 - GSC130301EB M10 - GSC130361FB M11 - GSC130361GA M12 - GSC130363BB M13 - GSC130363BC M14 - GSC130421BB M15 - GSC130421CA M16 - GSC130481BB M17 - GSC130481CA M18 - GSC130483BB M19 - GSC130483CA M20 - GSC130484BC M21 - GSC130601CB M22 - GSC130603BB	
21	0131M00276 COND MOTOR, 1/8 HP, ISP, 6PL (M3, M6)		
21	0131M00294 COND MOTOR, 1/8HP, ISP, 6PL (M9)		
31	B1778800 PVC CONDUIT-1/2"		
41	0163M00006P ACORN NUT 5/16 HEX BLACK (QTY 4)		
51	0150M00012 FAN BLADE 20" CCW (M1, M2, M4, M5, M7, M8)		
51	B1086775 FAN BLADE 22" (M14, M15, M16, M17, M18, M19)		
51	0150M00008 FAN BLADE 22" TNT2203-25 (M10, M12, M20)		
51	B1086750 FAN BLADE 22", 3 BLADE, 24° (M13, M21, M22)		
51	B1086764 FAN BLADE TYPE 2 (M11)		
51	0150M00030 FAN BLADE, 18" (M3, M6)		
51	0150M00033 FAN BLADE, 20", 3 BLADE, 24DEG (M9)		
61	0161L00000 VENTURI RING 22" (M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)		
111	0121R00175PDGB LOUVERED SIDE PANEL (M21, M22)		
111	0121R00102PDGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M1, M2, M4, M5)		
111	0121R00125PDGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M10, M11, M12, M13, M14, M15)		
111	0121R00127PDGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M16, M17, M18, M19, M20)		
111	0121R00171PDGB LOUVERED SIDE PANEL [LT OF CNTL PNL] (M7, M8, M9)		
121	0121R00109PDGB LOUVERED SIDE PANEL (M1, M2, M4, M5)		
121	0121R00132PDGB LOUVERED SIDE PANEL (M10, M11, M12, M13, M14, M15)		
121	0121R00134PDGB LOUVERED SIDE PANEL (M16, M17, M18, M19, M20)		
121	0121R00172PDGB LOUVERED SIDE PANEL (M7, M8, M9)		
121	0121R00176PDGB LOUVERED SIDE PANEL (M21, M22)		
131	0121R00177PDG LOUVERED SIDE PANEL (M21, M22)		
131	0121R00139PDG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M10, M11, M12, M13, M14, M15)		
131	0121R00116 LOUVERED SIDE PANEL [RT OF CNTL PNL] (M1, M2, M4, M5)		
131	0121R00141PDG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M16, M17, M18, M19, M20)		
131	0121R00173PDG LOUVERED SIDE PANEL [RT OF CNTL PNL] (M7, M8, M9)		
NS	0161R00001P CONDUIT (M1, M2, M4, M5, M7, M8, M9)		
NS	0161R00002P CONDUIT (M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)		