



REPAIR PARTS

GVXC20 Outdoor Inverter Air Conditioner

GVXC200241AA

GVXC200361AA

GVXC200481AA

GVXC200601AA



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

Functional Parts

Part

No: Description:

0151R00097	3/4" BALL VALVE (M1)
0151R00081	7/8" BALL VALVE (M2, M3, M4)
0151L00019	ACCUMULATOR (M1, M2)
0151L00021	ACCUMULATOR (M4)
0151L00020	ACCUMULATOR (M3)
0151R00167	BASE VALVE 3/8"
3E600193-1	CAPACITOR (M4)
4SA27006-1	CHECK VALVE (M1)
4SA27011-1	CHECK VALVE (M2, M3)
0156R00009	COMPRESSOR 2YC36MXD (M1)
0156R00011	COMPRESSOR 2YC63TXD (M2)
0156R00013	COMPRESSOR 2YC90FXD (M3)
0156R00015	COMPRESSOR JT100GCVDW (M4)
3P130357-15	CRANKCASE HEATER (M4)
3EA74081-1	CURRENT SENSOR, CHR-6Z-E-X (M4)
10625738	FAN BLADE 26" ALUM CCW
3P356931-1	FAN MOTOR
3P381424-2	HIGH PRESSURE SWITCH
2P346080-1	NF PCB (M3, M4)
0151R00144	OIL SEPARATOR
0272R01530	PCB ASSY (M2)
0272R01529	PCB ASSY (M1)
0272R01531	PCB ASSY (M3)
0272R01532	PCB ASSY (M4)
2P361564-1	PCB, FAN DRIVE, INVERTER (M4)
3E750074-1	POWER CONDITIONER (M1, M2)
3P362914-1	POWER CONDITIONER (M4)
3S481010-1	PRESSURE SENSOR
0130M00688	SHARED DATA (M2)
0130M00689	SHARED DATA (M3)
0130M00690	SHARED DATA (M4)
0130M00687	SHARED DATA (M1)
0130M00186	TERMINAL BLOCK
3P381576-1	THERMISTOR AMBIENT
3P381575-2	THERMISTOR ASSY

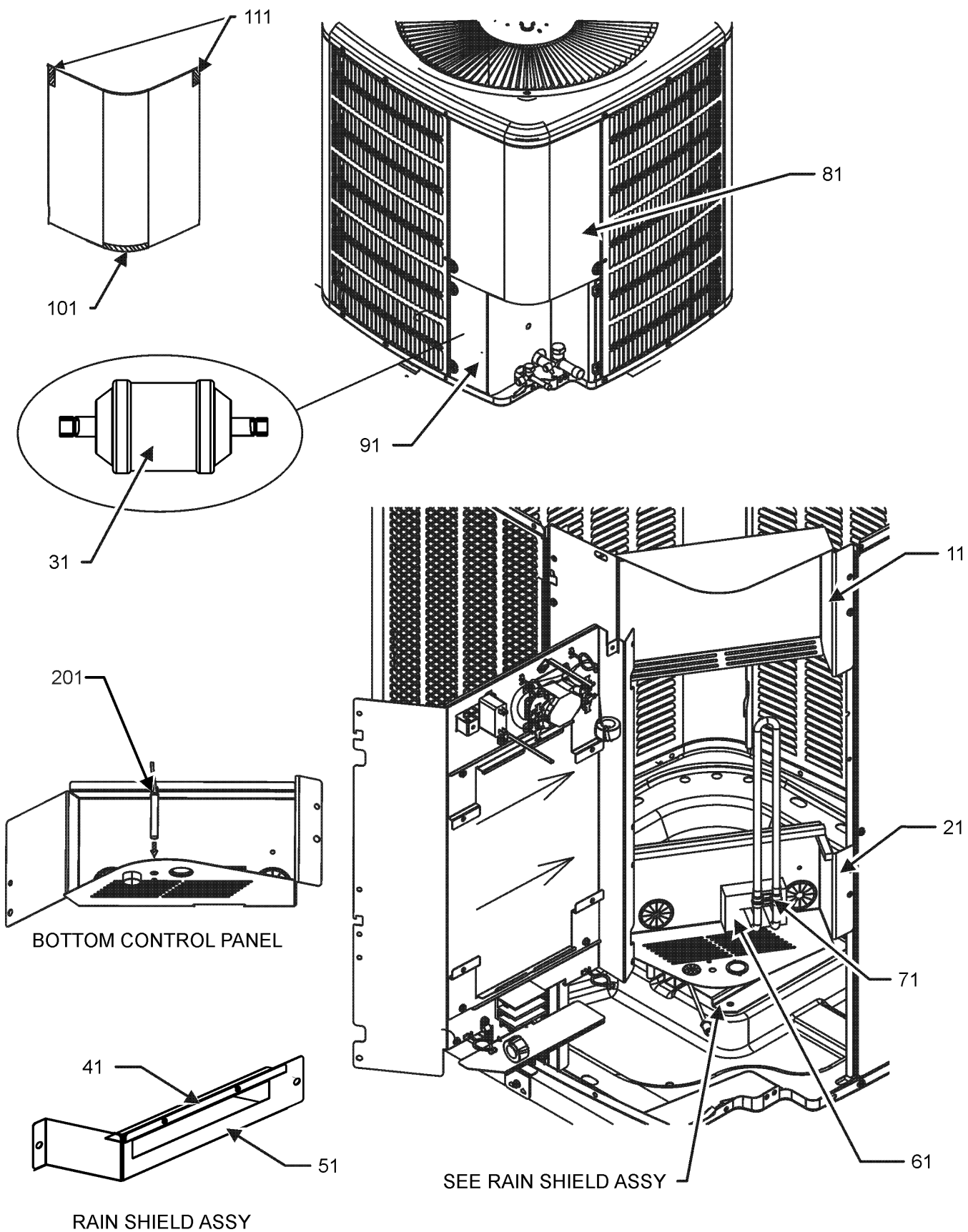
SPECIAL PARTS

0161R00088	CAP, GRILL
0161R00101	NAMEPLATE, GOODMAN 20S
0361R00000	THERMAL GREASE

Expanded Model Nomenclature

M1 - GVXC200241AA
M2 - GVXC200361AA
M3 - GVXC200481AA
M4 - GVXC200601AA

Control Box Assembly



Control Box Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

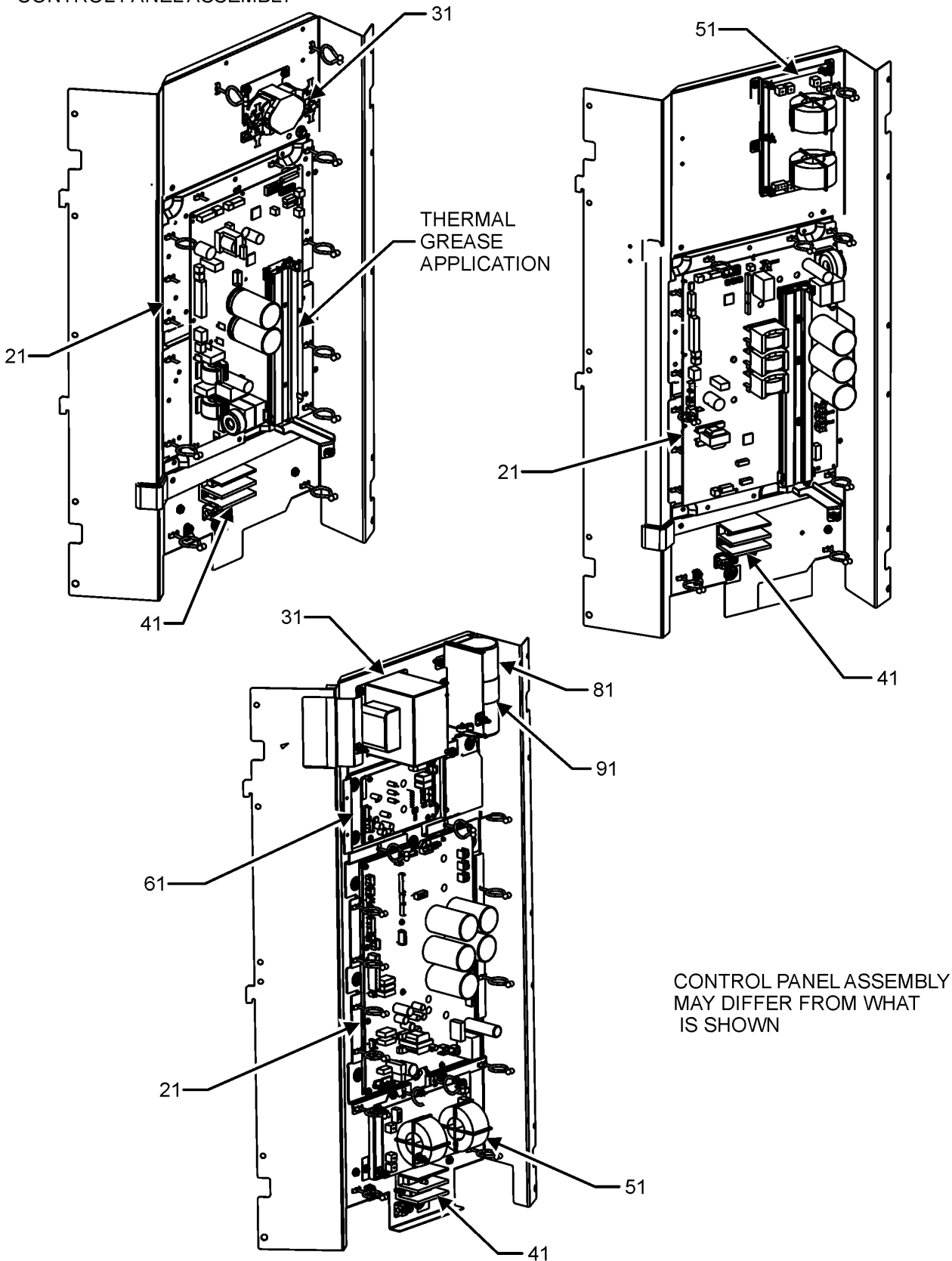
11	0121R00519PDG	TOP CONTROL PANEL (M4)
11	0272R01007PDG	TOP CONTROL PANEL ASSY (M1, M2, M3)
21	0121R00521PDG	BOTTOM CONTROL PANEL ASSY
31	0162R00056	FILTER/DRIER-BI-FLOW
41	0121R00562	RAIN SHIELD COVER
51	0121R00563	RAIN SHIELD BRACKET
61	0154R00016	GASKET - CONTROL PANEL
71	4P305027-1	COOLING LOOP SEPARATOR (M1, M2, M3)
81	0121R00380PDG	CONTROL COVER (M1, M2)
81	0121R00517PDG	CONTROL COVER (M3, M4)
91	0121R00379PDG	PANEL, LOWER ACCESS
101	0154R00023	GASKET, CONTROL PANEL COVER
111	0154R00017	GASKET - CONTROL PANEL (QTY 2)
201	3P381576-1	THERMISTOR AMBIENT
NS	0161R00088	CAP, GRILL
NS	0154R00015	GASKET - CONTROL PANEL (QTY 2)
NS	0161R00101	NAMEPLATE, GOODMAN 20S
NS	0154R00026	GASKET - CONTROL PANEL

Expanded Model Nomenclature

M1 - GVXC200241AA M2 - GVXC200361AA M3 - GVXC200481AA M4 - GVXC200601AA
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Control Panel Assembly

CONTROL PANEL ASSEMBLY



Control Panel Assembly

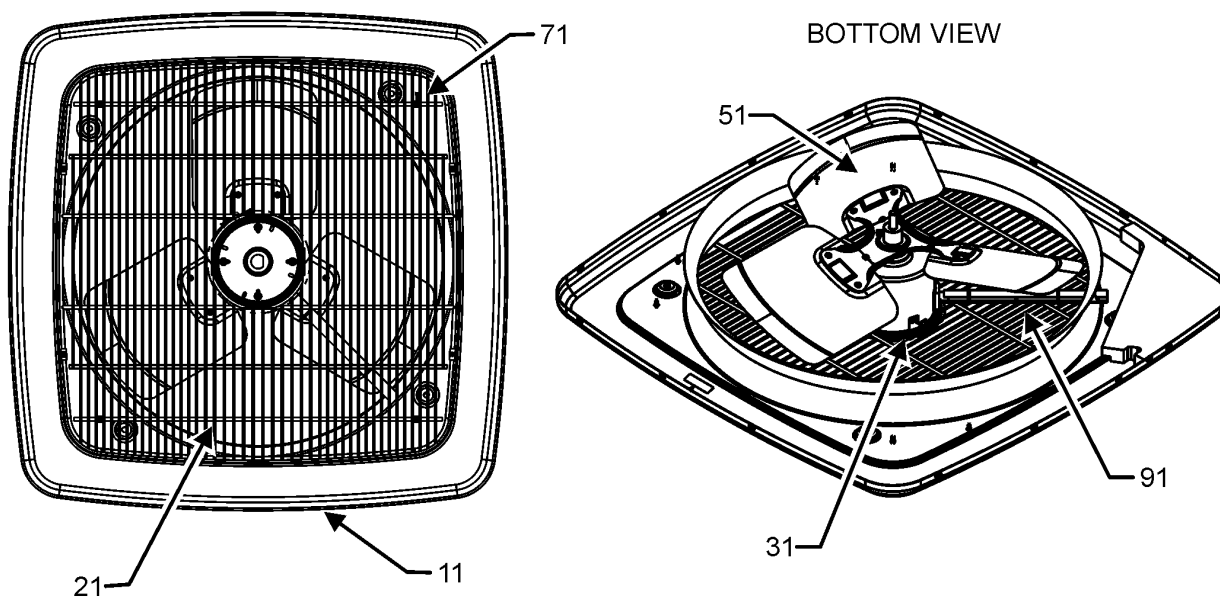
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Image 1:			
21	0272R01529		PCB ASSY (M1)
21	0272R01530		PCB ASSY (M2)
21	0272R01531		PCB ASSY (M3)
21	0272R01532		PCB ASSY (M4)
31	3E750074-1		POWER CONDITIONER (M1, M2)
31	3P362914-1		POWER CONDITIONER (M4)
41	0130M00186		TERMINAL BLOCK
51	2P346080-1		NF PCB (M3, M4)
61	2P361564-1		PCB, FAN DRIVE, INVERTER (M4)
81	3E600193-1		CAPACITOR (M4)
91	4P171335-1		CAPACITOR STRAP (M4)
NS	3EA74081-1		CURRENT SENSOR, CHR-6Z-E-X (M4)
NS	3P263839-1		FERRITE CORE
NS	0163M00075		FLANGE NUT, SERRATED
NS	0154R00026		GASKET - CONTROL PANEL
NS	0154R00018		GASKET - MOUNTING PANEL (M1, M2, M3)
NS	0154R00019		GASKET - MOUNTING PANEL (M1, M2, M3)
NS	0154R00024		GASKET, CONTROL PANEL (M4)
NS	0154R00025		GASKET, CONTROL PANEL (M4)
NS	0163M00092		SCREW, HWH, 10-24X.500,BZ,SLOT
NS	0130M00687		SHARED DATA (M1)
NS	0130M00688		SHARED DATA (M2)
NS	0130M00689		SHARED DATA (M3)
NS	0130M00690		SHARED DATA (M4)
NS	0361R00000		THERMAL GREASE
NS	3P381575-2		THERMISTOR ASSY
NS	0130M00210		WIRE HARNESS (M3)
NS	0130M00211		WIRE HARNESS (M3)
NS	0130M00212		WIRE HARNESS (M4)
NS	0130M00213		WIRE HARNESS (M4)
NS	0130M00214		WIRE HARNESS (M4)
NS	0130M00215		WIRE HARNESS (M4)
NS	0130M00217		WIRE HARNESS (M4)
NS	0130M00218		WIRE HARNESS (M4)
NS	0130M00219		WIRE HARNESS (M4)
NS	0130M00220		WIRE HARNESS (M1, M2)
NS	0130M00221		WIRE HARNESS (M1, M2)
NS	0130M00222		WIRE HARNESS (M1, M2)
NS	0130M00227		WIRE HARNESS
NS	0130M00200		WIRE HARNESS ASSY (M4)
NS	0130M00201		WIRE HARNESS ASSY (M4)
NS	0130M00202		WIRE HARNESS ASSY (M4)
NS	0130M00225		WIRE HARNESS ASSY (M4)

Expanded Model Nomenclature

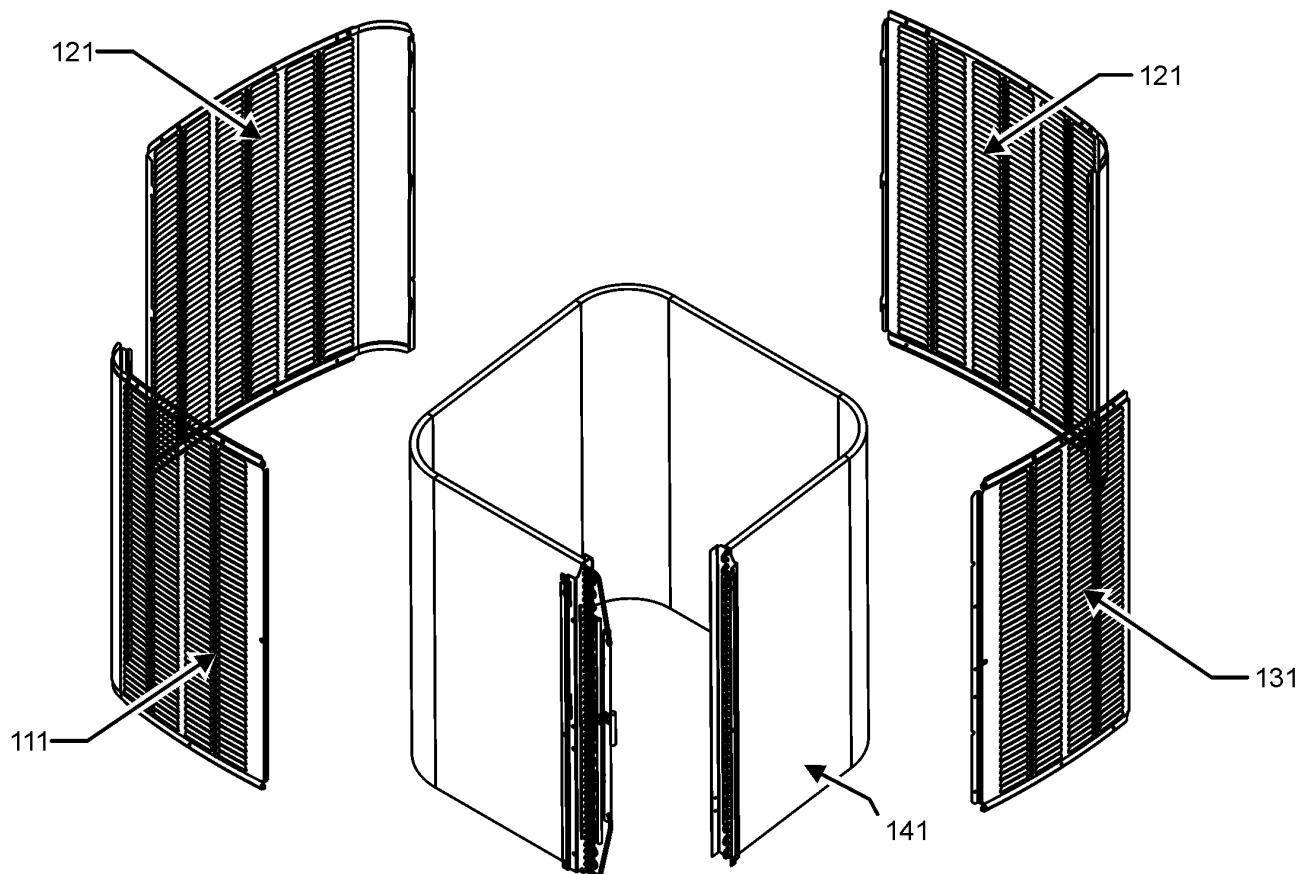
M1 - GVXC200241AA M2 - GVXC200361AA M3 - GVXC200481AA M4 - GVXC200601AA
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Top and Side Panel Assembly

TOP PANEL ASSEMBLY



LOUVER PANEL ASSEMBLY



Top and Side Panel Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

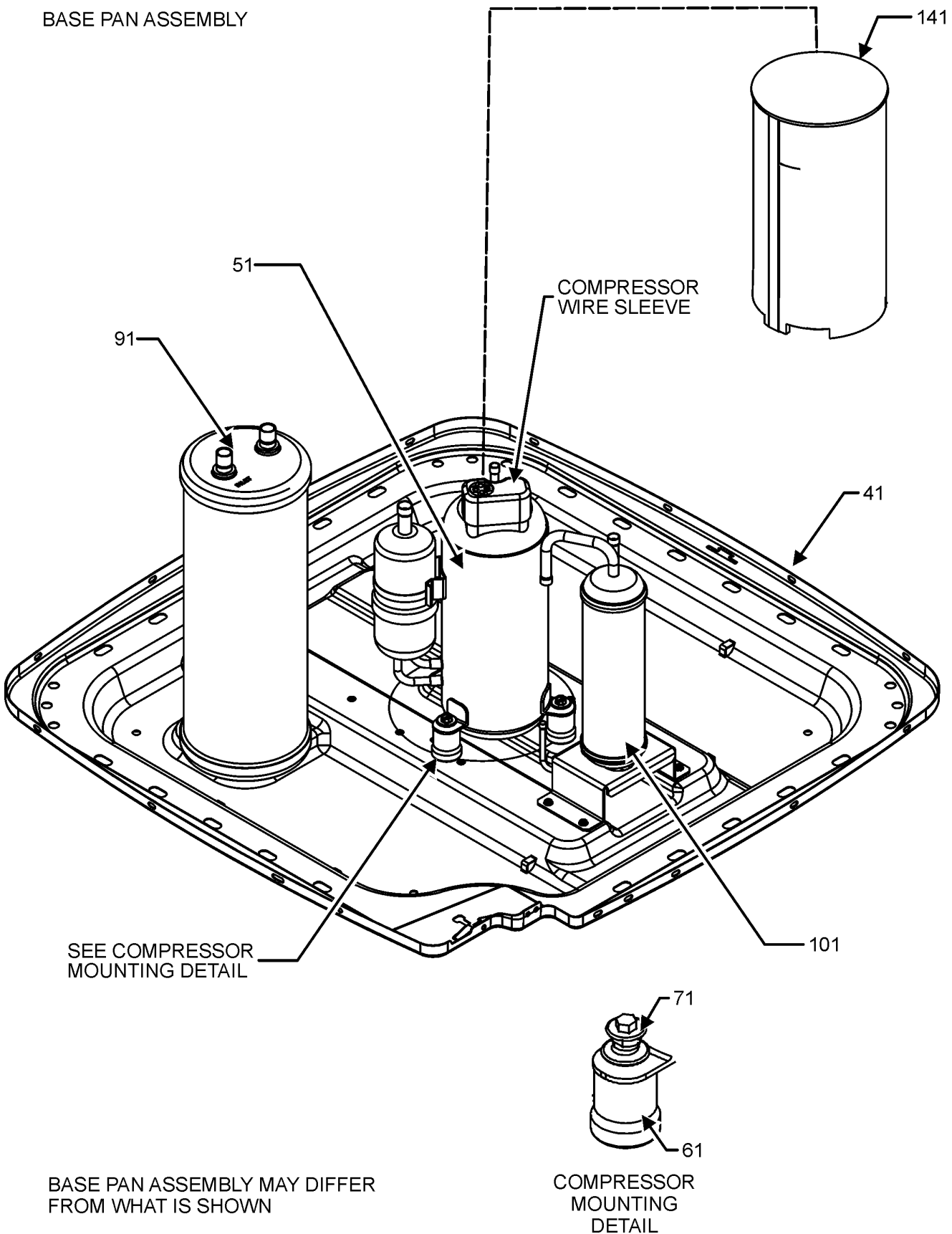
Image 1:

11	0121R00013PDG	PANEL, VENTURI 35" PNT
21	0152R00016	GRILLE, WIRE 35" TOP
31	3P356931-1	FAN MOTOR
51	10625738	FAN BLADE 26" ALUM CCW
71	0163M00003P	SCREW #10 X 1/2, A, SLOT, SR, BLACK (M1, M3)
91	0163M00385	CONDUIT-FLEXIBLE
111	0121R00363DG	PAINTED LOUVER PANEL 1 ASSY (M1, M2)
111	0121R00513DG	PAINTED LOUVER PANEL 1 ASSY (M3, M4)
121	0121R00364DG	PAINTED LOUVER PANEL 2 ASSY (M1, M2)
121	0121R00514DG	PAINTED LOUVER PANEL 2 ASSY (M3, M4)
131	0121R00365DG	PANEL 3, PAINTED LOUVER 35 (M1, M2)
131	0121R00515DG	PANEL 3, PAINTED LOUVER 35 (M3, M4)
141	0201R00499	COIL TBG, 36.38xL, 22mm CTC (M1, M2)
141	0201R00503	COIL TBG, 39.85xL, 22mm CTC (M3, M4)
NS	0121R00480	ADAPTER PLATE (M1, M2)
NS	0121R00482	ADAPTER PLATE (M3, M4)

Expanded Model Nomenclature

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M4 - GVXC200601AA

Base Pan and Compressor Assembly



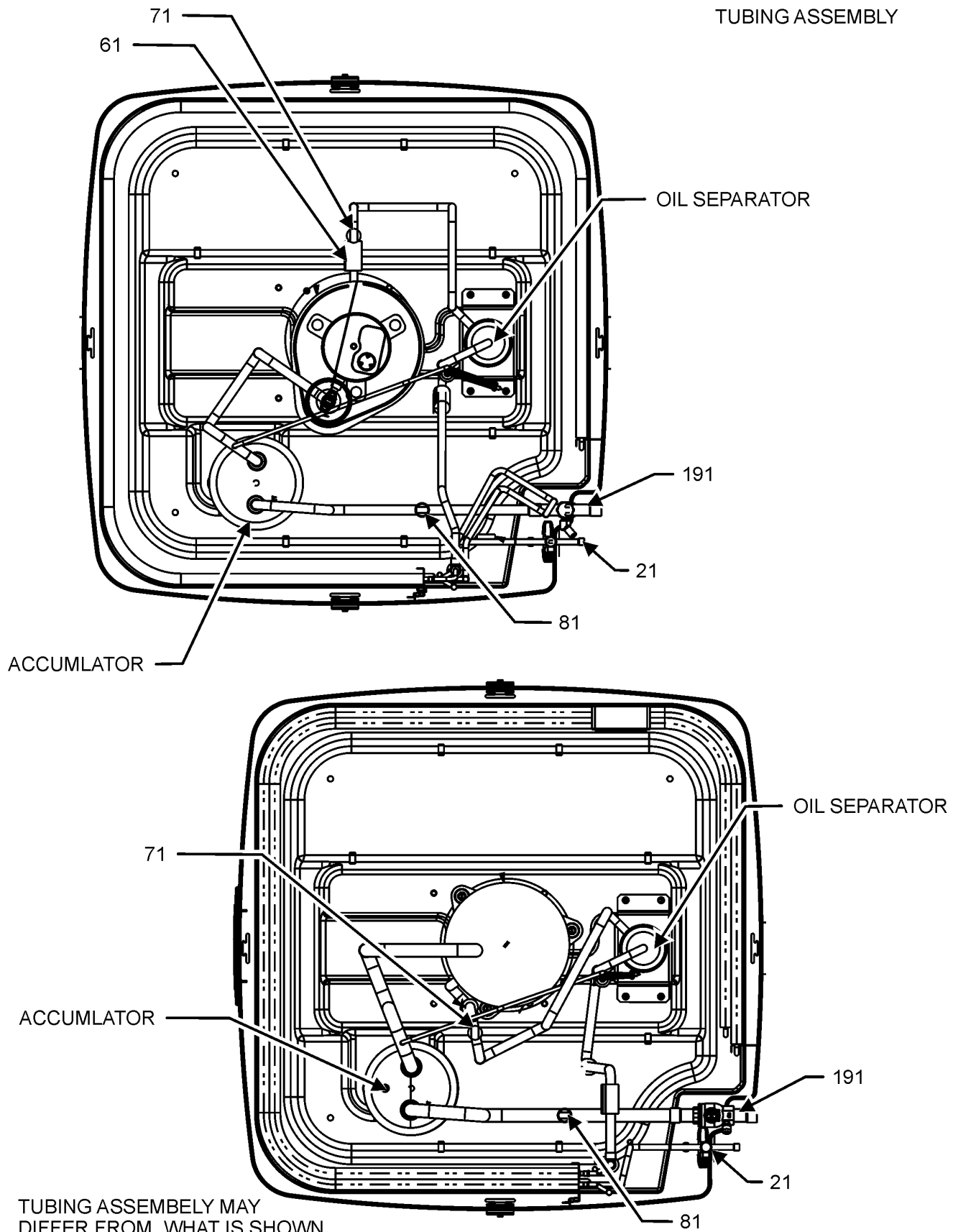
Base Pan and Compressor Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
41	0121R00007PDG		BASE PAN, 35.5" PNT
51	0156R00009		COMPRESSOR 2YC36MXD (M1)
51	0156R00011		COMPRESSOR 2YC63TXD (M2)
51	0156R00013		COMPRESSOR 2YC90FXD (M3)
51	0156R00015		COMPRESSOR JT100GCVDW (M4)
61	0164M00027		RUBBER GROMMET (M2, M3, M4)
61	0164M00028		RUBBER GROMMET (M1)
71	0163R00018		SCREW-SHOULDER TF (M2, M3, M4)
71	0163R00020		SCREW-SHOULDER TF (M1)
91	0151L00019		ACCUMULATOR (M1, M2)
91	0151L00020		ACCUMULATOR (M3)
91	0151L00021		ACCUMULATOR (M4)
101	0151R00144		OIL SEPARATOR
141	0160M00007		Compressor Blanket (M1)
141	0160M00008		Compressor Blanket (M3)
141	0160M00009		Compressor Blanket (M4)
141	0160M00010		compressor blanket (M2)
NS	0163R00023		ACCUMULATOR, NUT
NS	0159R00012		COMPRESSOR WIRE HARNESS (M1, M2)
NS	0159R00013		COMPRESSOR WIRE HARNESS (M3)
NS	0159R00014		COMPRESSOR WIRE HARNESS (M4)
NS	3P130357-15		CRANKCASE HEATER (M4)

Expanded Model Nomenclature

M1 - GVXC200241AA M2 - GVXC200361AA M3 - GVXC200481AA M4 - GVXC200601AA
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Tubing Assembly



Tubing Assembly

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

21	0151R00167	BASE VALVE 3/8"
61	4PA17856-4	THERMISTOR HOUSING TUBE
71	3P381424-2	HIGH PRESSURE SWITCH
81	3S481010-1	PRESSURE SENSOR
191	0151R00097	3/4" BALL VALVE (M1)
191	0151R00081	7/8" BALL VALVE (M2, M3, M4)
NS	4SA27006-1	CHECK VALVE (M1)
NS	4SA27011-1	CHECK VALVE (M2, M3)
NS	4PA38890-1	MOUNTING SPRING, THERMISTOR (QTY 3)
NS	R3269031-3	OIL RETURN FILTER (M1, M2, M3)

Expanded Model Nomenclature

M1 - GVXC200241AA M2 - GVXC200361AA M3 - GVXC200481AA M4 - GVXC200601AA
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