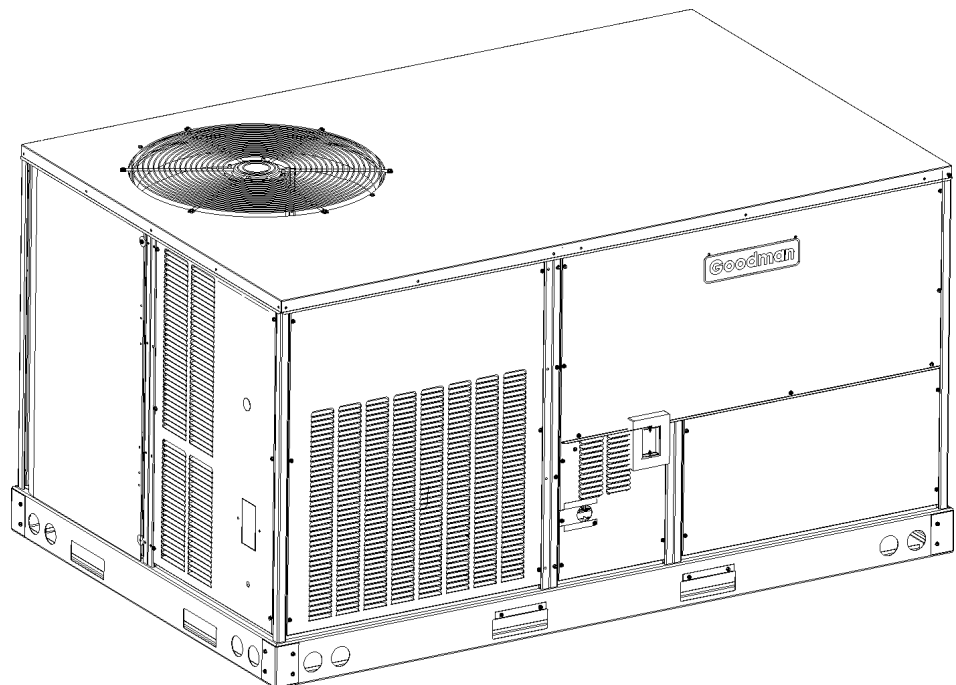


REPAIR PARTS

Light Commercial 3 Ton
Belt Drive Package Gas

CPG0360453BXJXBA
CPG0360453BXSXBA
CPG0360453BXXXBA
CPG0360454BXJXBA
CPG0360454BXSXBA
CPG0360454BXXXBA
CPG0360903BXJXBA
CPG0360903BXSXBA
CPG0360903BXXXBA
CPG0360904BXJXBA
CPG0360904BXSXBA
CPG0360904BXXXBA



This manual is to be used by qualified technicians only.

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Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 13

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

0130M00025S	24V RELAY
B1370155	AUXILIARY LIMIT SWITCH 120°F (M8, M11)
0131L00003S	BELT DRIVE MOTOR 1 HP
CAP050000370VAS	CAPACITOR 5/370V
ZP31K5ETF5830	COMPRESSOR 31200, 200/230/60/3 (M1, M2, M3, M7, M8, M9)
ZP31K5ETFD830	COMPRESSOR 31200, 460/60/3 (M4, M5, M6, M10, M11, M12)
0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M1, M2, M3, M7, M8, M9)
B13400269S	COND MOTOR 380/460 50/60 CYCLE (M4, M5, M6, M10, M11, M12)
CONT3P025024VS	CONTACTOR 25 AMP, 3P, 24V (M4, M5, M6, M10, M11, M12)
CONT3P030024VS	CONTACTOR 30 AMP, 3P, 24V (M1, M2, M3, M7, M8, M9)
0130M00055	CUT-OUT SWITCH, HIGH PRESSURE
0130L00007	CUT-OUT SWITCH, LOW PRESSURE
0130F00010	FLAME SENSOR
B1282628	GAS VALVE (36G) (M1, M2, M3, M4, M5, M6)
0151F00000P	GAS VALVE HSI (2-STAGE NAT) (M7, M8, M9, M10, M11, M12)
PCBAG123S	IGNITION BOARD, DSI INTEGRATED
20261709S	IGNITOR
10123532	MANUAL RESET LIMIT 300°F
11112501S	PRESSURE SWITCH
0130F00038	PRIMARY LIMIT - LT BLUE 120° (M1, M2, M3, M4, M5, M6)
20162903	PRIMARY LIMIT-BLUE (M7, M9, M10, M12)
0130M00063	PRIMARY LIMIT-GOLD 140° (M1, M2, M3, M4, M5, M6)
0130M00038S	TERMINAL BOARD
B1141643	TRANSFORMER 208/230, 24V (M1, M2, M3, M7, M8, M9)
B1141663	TRANSFORMER 460V TO 23V, 150 VA (M4, M5, M6, M10, M11, M12)
B1141672	TRANSFORMER 480V, 75VA, RESETTABLE (M4, M5, M6, M10, M11, M12)

M1 - CPG0360453BXJXBA
M2 - CPG0360453BXSXBA
M3 - CPG0360453BXXXBA
M4 - CPG0360454BXJXBA
M5 - CPG0360454BXSXBA
M6 - CPG0360454BXXXBA
M7 - CPG0360903BXJXBA
M8 - CPG0360903BXSXBA
M9 - CPG0360903BXXXBA
M10 - CPG0360904BXJXBA
M11 - CPG0360904BXSXBA
M12 - CPG0360904BXXXBA

SPECIAL PARTS

0140L00058	GOODMAN LABEL
IO-353	INSTALLATION INSTRUCTIONS
RP-527	REPAIR PARTS MANUAL
HI-122A	USERS MANUAL

Top Panel/Tubing Assy

Image 1

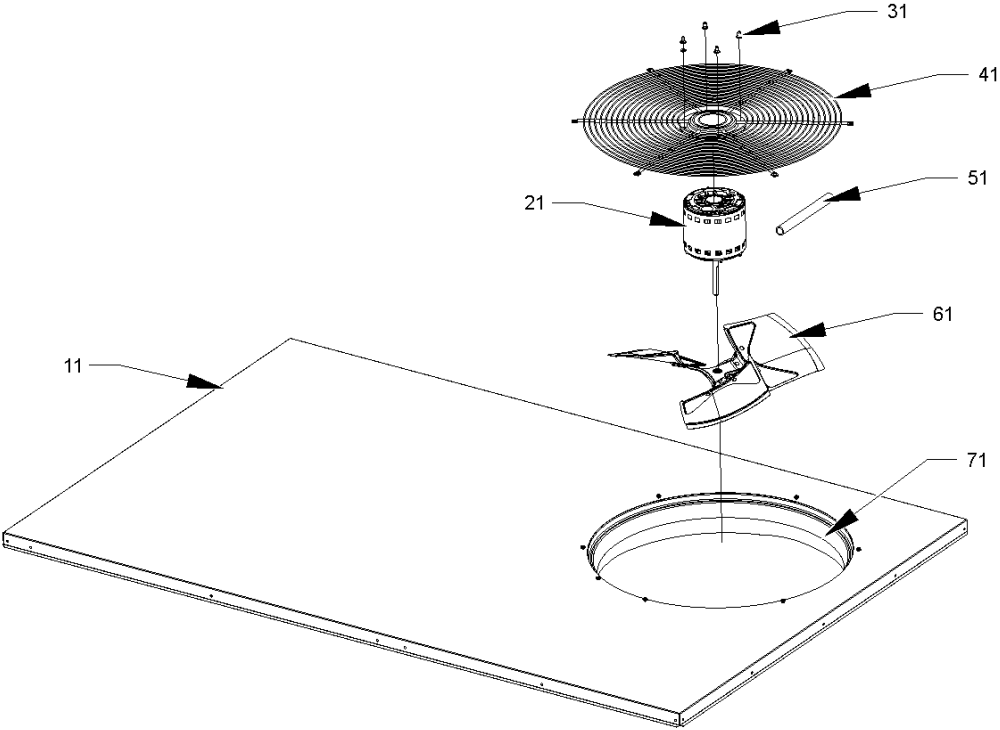
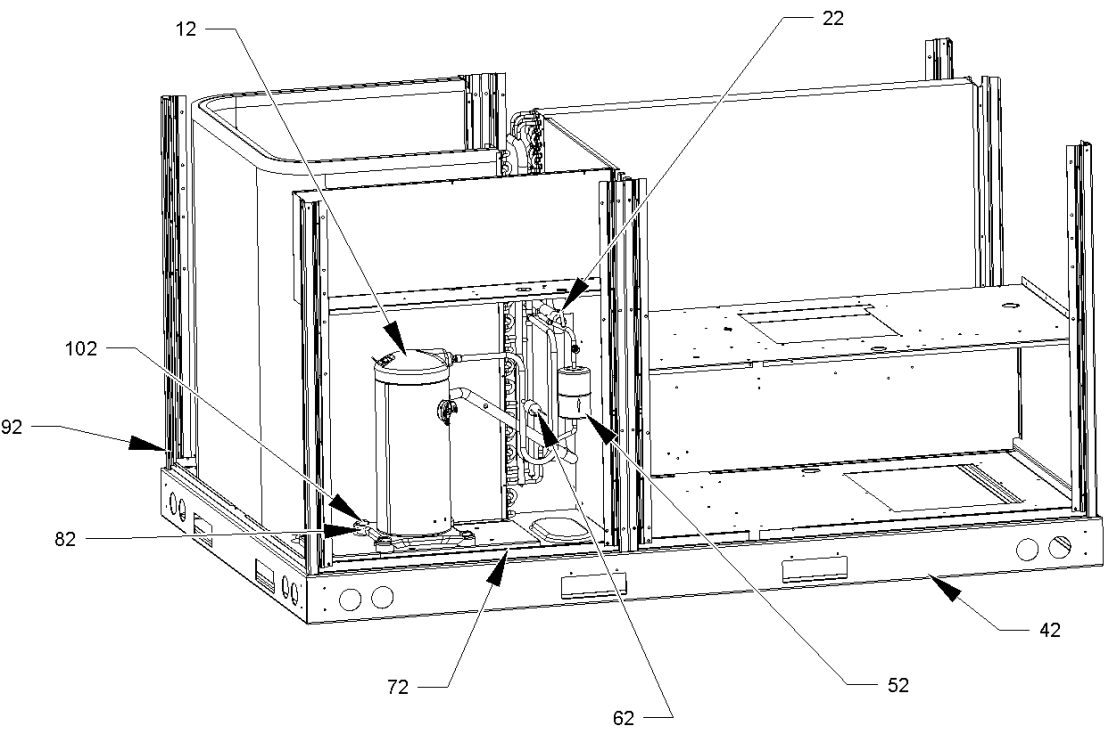


Image 2



Top Panel/Tubing Assy

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

11	0274L00086S	INSULATED ASSY, TOP PANEL
21	0131M00007PS	COND MOTOR 1/4 HP, 1 SP, 6 PL (M1, M2, M3, M7, M8, M9)
21	B13400269S	COND MOTOR 380/460 50/60 CYCLE (M4, M5, M6, M10, M11, M12)
31	0163M00006P	ACORN NUT 5/16 HEX BLACK (QTY 4)
41	0152G00002S	FAN GRILLE
51	17788000083F	PVC CONDUIT 8.25"
61	0150G00001S	FAN BLADE
71	0161L00000	VENTURI RING 22"

Image 2:

12	ZP31K5ETF5830	COMPRESSOR 31200, 200/230/60/3 (M1, M2, M3, M7, M8, M9)
12	ZP31K5ETFD830	COMPRESSOR 31200, 460/60/3 (M4, M5, M6, M10, M11, M12)
22	0130L00007	CUT-OUT SWITCH, LOW PRESSURE
42	0121L00244	SIDE RAIL (QTY 2)
52	B1219225	SINGLE-FLOW FILTER DRIER, STEEL
62	0130M00055	CUT-OUT SWITCH, HIGH PRESSURE
72	0121L00310	COMPRESSOR MOUNTING PLATE
82	B1339533	COMPRESSOR GROMMET (QTY 4)
92	0121L00245	END RAIL (QTY 2)
102	M0221641	TF SHOULDER SCREW (QTY 4)
NS	0159L00028	COMPRESSOR SCROLL HARNESS

Expanded Model Nomenclature

M1 - CPG0360453BXJXBA
M2 - CPG0360453BXSXBA
M3 - CPG0360453BXXXBA
M4 - CPG0360454BXJXBA
M5 - CPG0360454BXSXBA
M6 - CPG0360454BXXXBA
M7 - CPG0360903BXJXBA
M8 - CPG0360903BXSXBA
M9 - CPG0360903BXXXBA
M10 - CPG0360904BXJXBA
M11 - CPG0360904BXSXBA
M12 - CPG0360904BXXXBA

Cabinet Assy

Image 1

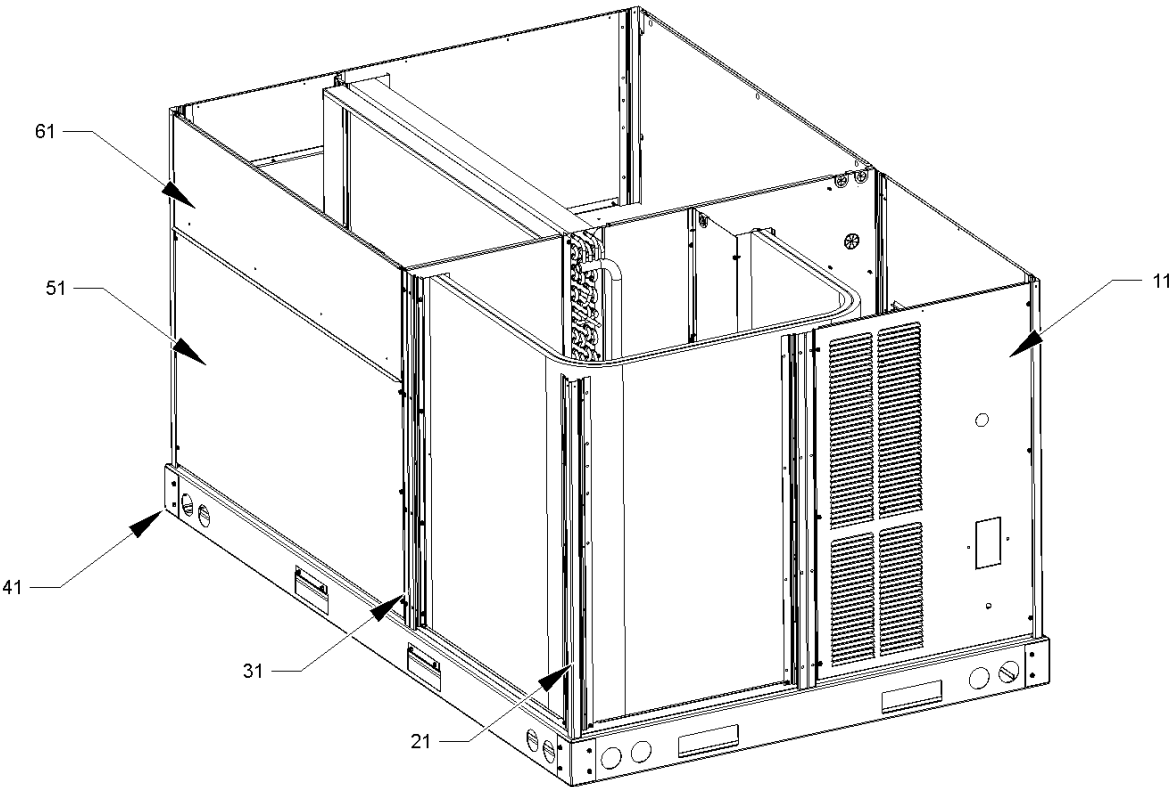
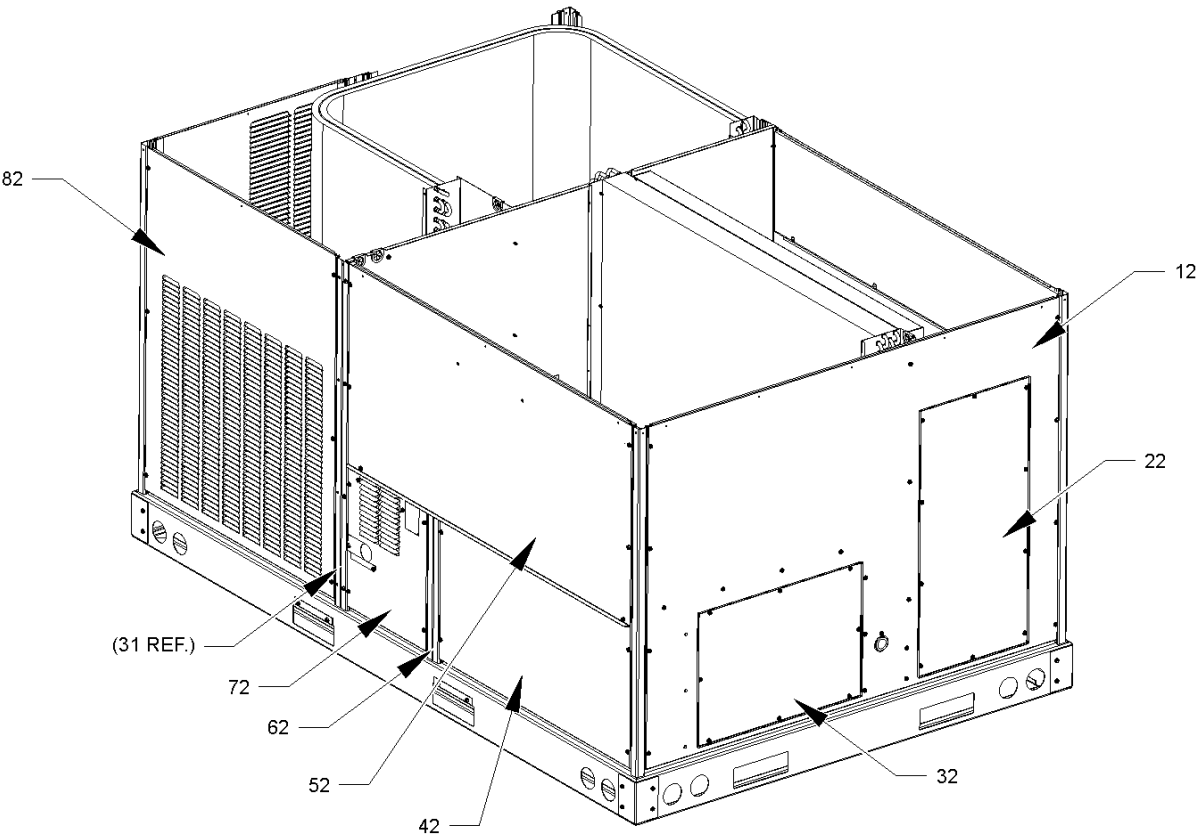


Image 2



Cabinet Assy

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

11	0121L00263DG	LOUVERED COMPRESSOR PANEL
21	0121L00237RFDG	CORNER POST (QTY 4)
31	0121L00233RFDG	POST-SIDE SUPPORT (QTY 3)
41	0121G00301	RAIL CORNER BRACKET (QTY 4)
51	0270L00081	INSULATED ASSY, ECONOMIZER DOOR
61	0270L00080	INSULATED ASSY, FILTER DOOR
NS	0121L00295DG	FLUE COLLAR
NS	0121L00276	RAIN SHIELD-DOOR

Image 2:

12	0270L00079	INSULATED ASSY, DUCT PANEL
22	0270L00011S	INSULATED ASSY, RETURN DUCT
32	0270L00012S	INSULATED ASSY, SUPPLY DUCT
42	0270L00083	INSULATED ASSY, HEAT EXCHANGER DOOR
52	0270L00084	INSULATED ASSY, BLOWER DOOR
62	0121L00255RFDG	POST-BURNER DOOR
72	0270L00091	BURNER DOOR ASSEMBLY
82	0121L00262DG	LOUVERED CONTROL PANEL

Expanded Model Nomenclature

M1 - CPG0360453BXJXBA
M2 - CPG0360453BXSXBA
M3 - CPG0360453BXXXBA
M4 - CPG0360454BXJXBA
M5 - CPG0360454BXSXBA
M6 - CPG0360454BXXXBA
M7 - CPG0360903BXJXBA
M8 - CPG0360903BXSXBA
M9 - CPG0360903BXXXBA
M10 - CPG0360904BXJXBA
M11 - CPG0360904BXSXBA
M12 - CPG0360904BXXXBA

Partition Assy

Image 1

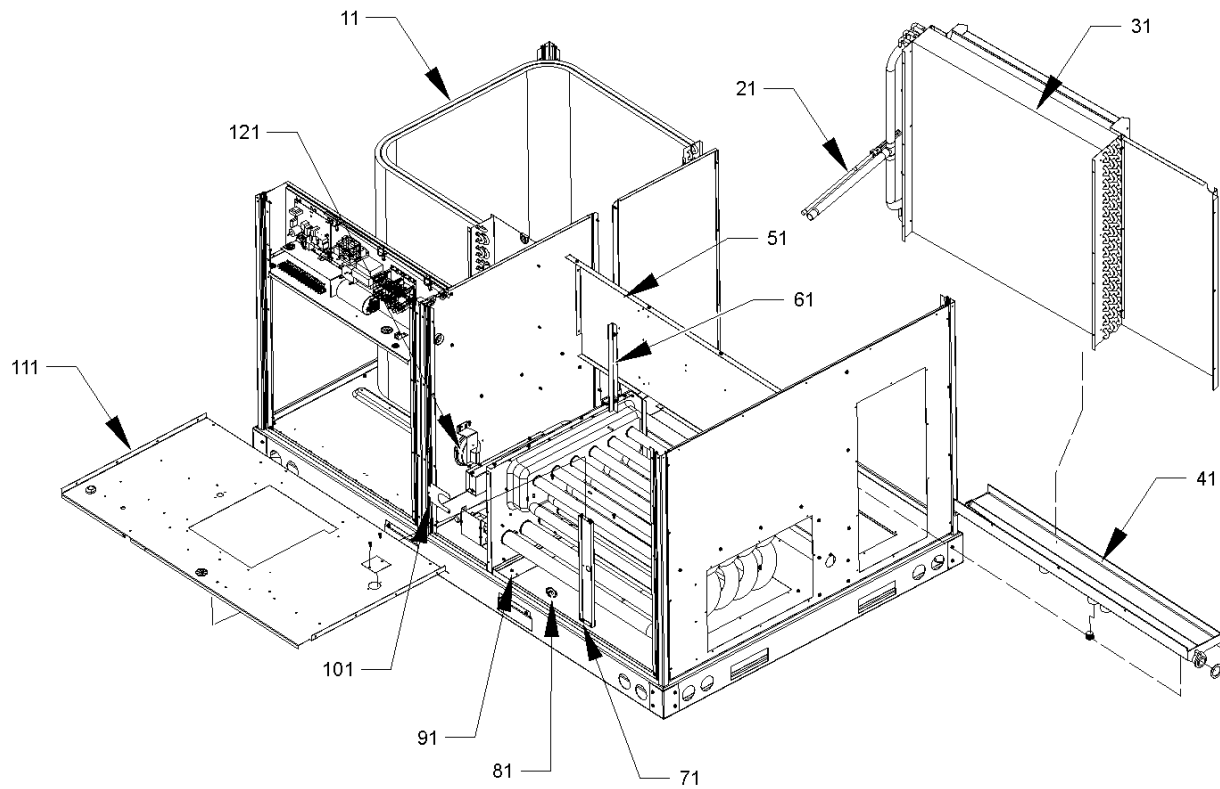
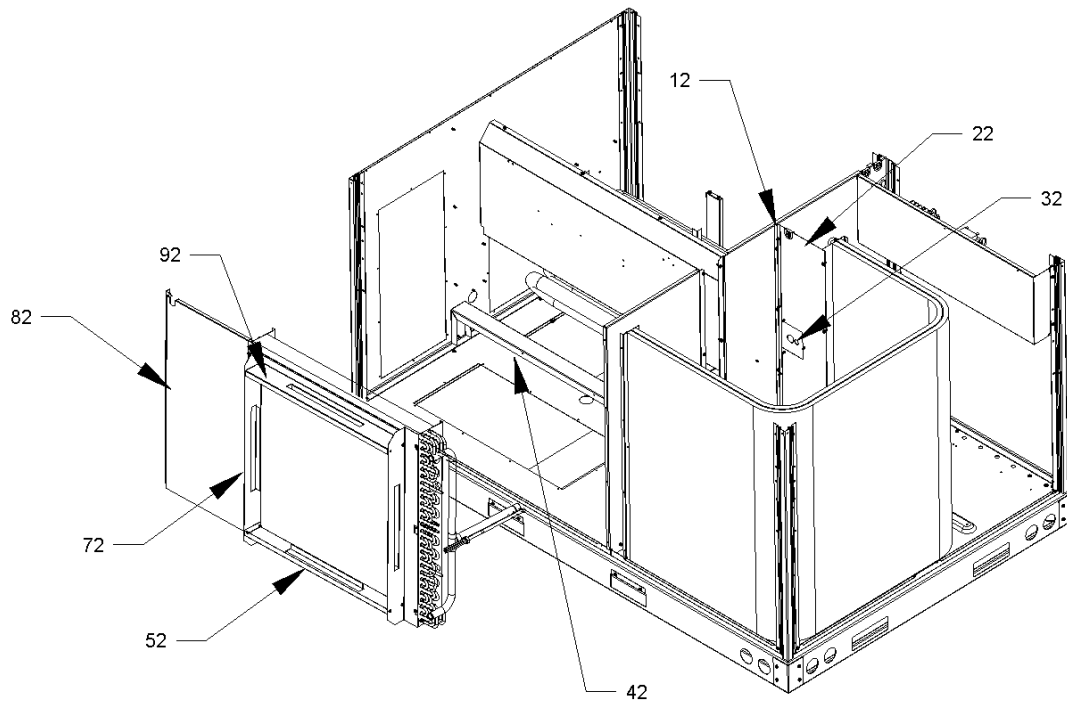


Image 2



Partition Assy

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

11	0201L00036S	TUBING ASSY, COND COIL (M2, M3, M5, M6, M8, M9, M11, M12)
11	0201L00045S	TUBING ASSY, COND COIL (M1, M4, M7, M10)
21	0162M00078S	FLOWRATOR [EVAP]
31	0202L00024S	TUBING ASSY, EVAP COIL
41	0161L00005	DRAIN PAN-EVAPORATOR
51	0121L00243	DECK SIDE CHANNEL
61	0121L00293	BACK ANGLE-HEAT EXCHANGER (QTY 2)
71	0121L00300	SUPPORT POST-DECK
81	B1370155	AUXILIARY LIMIT SWITCH 120°F (M8, M11)
81	20162903	PRIMARY LIMIT-BLUE (M7, M9, M10, M12)
81	0130M00063	PRIMARY LIMIT-GOLD 140° (M1, M2, M3, M4, M5, M6)
91	0121L00266	HEAT PANEL CHANNEL (QTY 2)
101	0121L00299DG	GAS VALVE BRACKET
111	0121L00242	BLOWER DECK
121	11112501S	PRESSURE SWITCH
NS	A3468601	PRESSURE SWITCH HOSE (QTY 2)

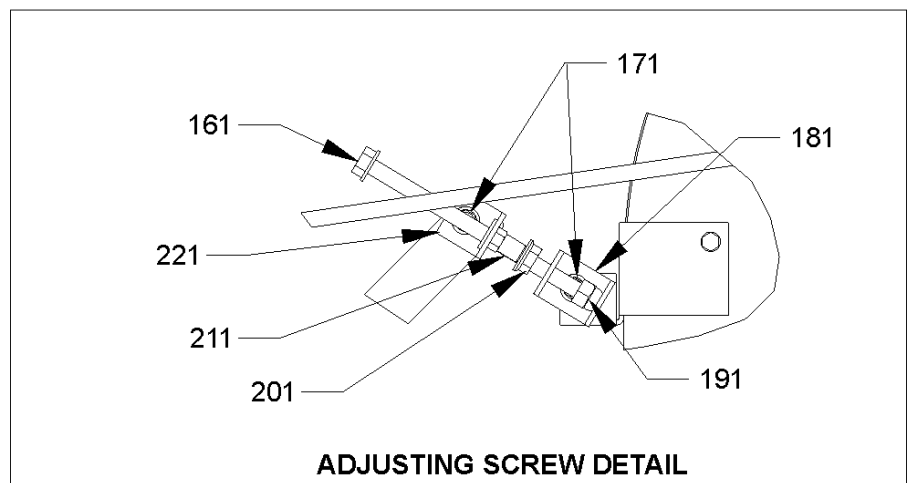
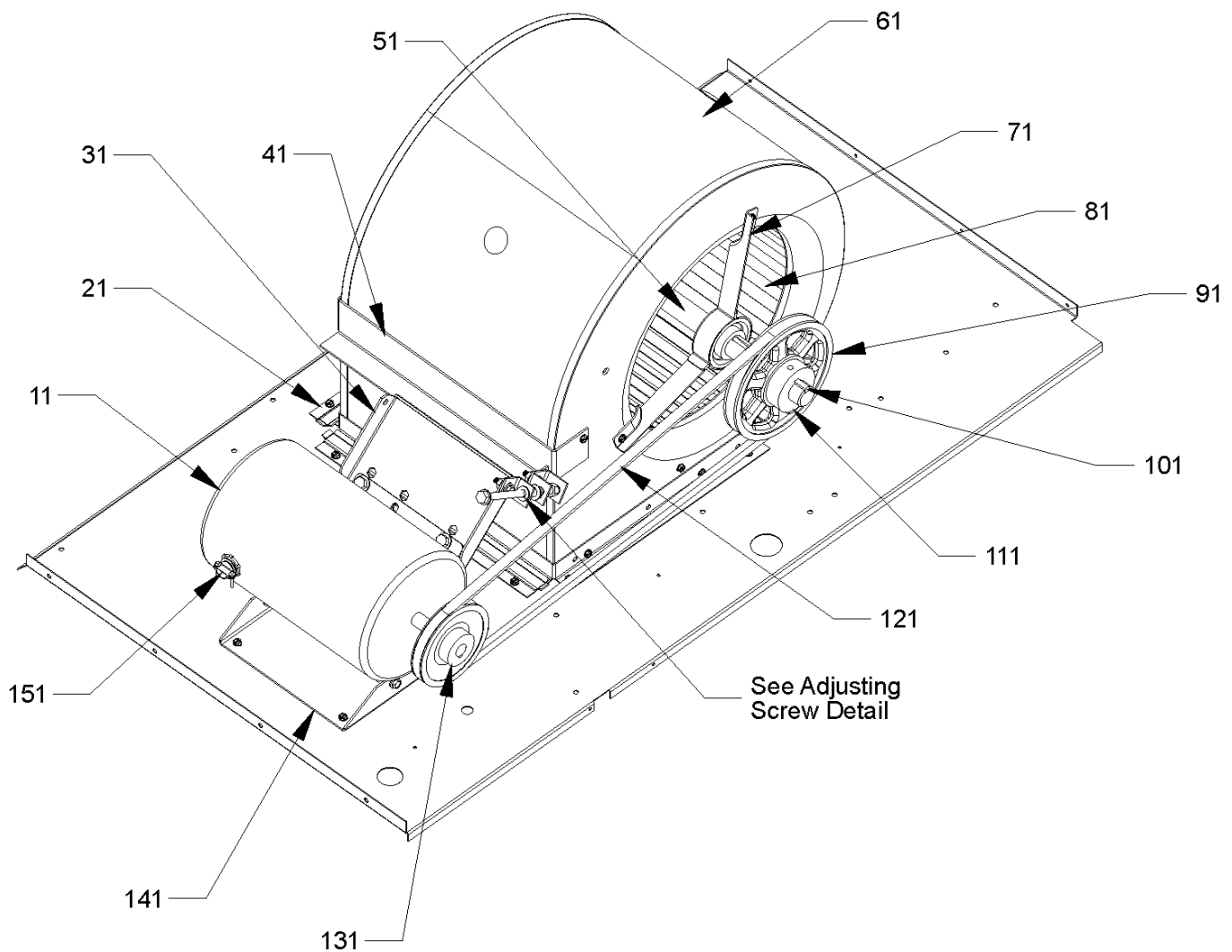
Image 2:

12	0121L00254	COND MOUNTING ANGLE
22	0121L00311	COND BLOCK-OFF
32	0121L00324	COND BLOCK-OFF PLATE
42	0121L00238	DRAIN PAN SUPPORT
52	0121L00291	FILTER ANGLE-BOTTOM
72	0121L00292	FILTER ANGLE-VERTICAL (QTY 2)
82	0121L00289	EVAP BLOCK-OFF
92	0121L00290	FILTER ANGLE-TOP
NS	0160L00046	FILTER-24 X 24

Expanded Model Nomenclature

M1 - CPG0360453BXJXBA
M2 - CPG0360453BXSXBA
M3 - CPG0360453BXXXBA
M4 - CPG0360454BXJXBA
M5 - CPG0360454BXSXBA
M6 - CPG0360454BXXXBA
M7 - CPG0360903BXJXBA
M8 - CPG0360903BXSXBA
M9 - CPG0360903BXXXBA
M10 - CPG0360904BXJXBA
M11 - CPG0360904BXSXBA
M12 - CPG0360904BXXXBA

Belt Drive Assy



Belt Drive Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
11	0131L00003S		BELT DRIVE MOTOR 1 HP
21	0121L00297		BLOWER SIDE ANGLE (QTY 3)
31	0121L00271		MOTOR MOUNT PLATE
41	0121L00272		MOTOR MOUNT ANGLE
51	0163L00005		BELT DRIVE BLOWER SHAFT
61	2539302FS		BLOWER HOUSING 11 X 10
71	B3201300		MOUNTING BRACKET BEARING (QTY 2)
81	B1368056		BELT DRIVE BLOWER WHEEL
91	B2120011		FIXED SHEAVE
101	B1398604		STEEL KEY (000158812) 2.0"
111	B1399500		BALL BEARING 1.00" (QTY 2)
121	0164L00003		FAN BELT, NOTCHED
131	0163L00024		VARIABLE PITCH SHEAVE 1VL40 X 5/8"
141	0121L00273		MOTOR PIVOT ANGLE
151	B1393726		ELECT. CONNECTING BUSHING
161	0163M00054		BOLT
171	B1393738		BOLT 1/4-20 X 3/4" (QTY 4)
181	0121L00274		MOTOR ADJUST BRACKET
191	0163M00055		ACORN NUT 5/16 X 18
201	B1393020		FLANGED LOCKNUT 5/16-18TPI
211	B1393027		HEX NUT INSERT 5/16-18 (QTY 5)
221	0121L00275		MOUNTING BRACKET INSERT
NS	1864700F		BELT DRIVE BLOWER CUT-OFF
NS	0130F00038		PRIMARY LIMIT - LT BLUE 120° (M1, M2, M3, M4, M5, M6)
NS	B1398603		STEEL KEY (000158812) 4.5"

Expanded Model Nomenclature

M1 - CPG0360453BXJXBA
M2 - CPG0360453BXSXBA
M3 - CPG0360453BXXXBA
M4 - CPG0360454BXJXBA
M5 - CPG0360454BXSXBA
M6 - CPG0360454BXXXBA
M7 - CPG0360903BXJXBA
M8 - CPG0360903BXSXBA
M9 - CPG0360903BXXXBA
M10 - CPG0360904BXJXBA
M11 - CPG0360904BXSXBA
M12 - CPG0360904BXXXBA

Heat Exchanger and Control Panel Assy

Image 1

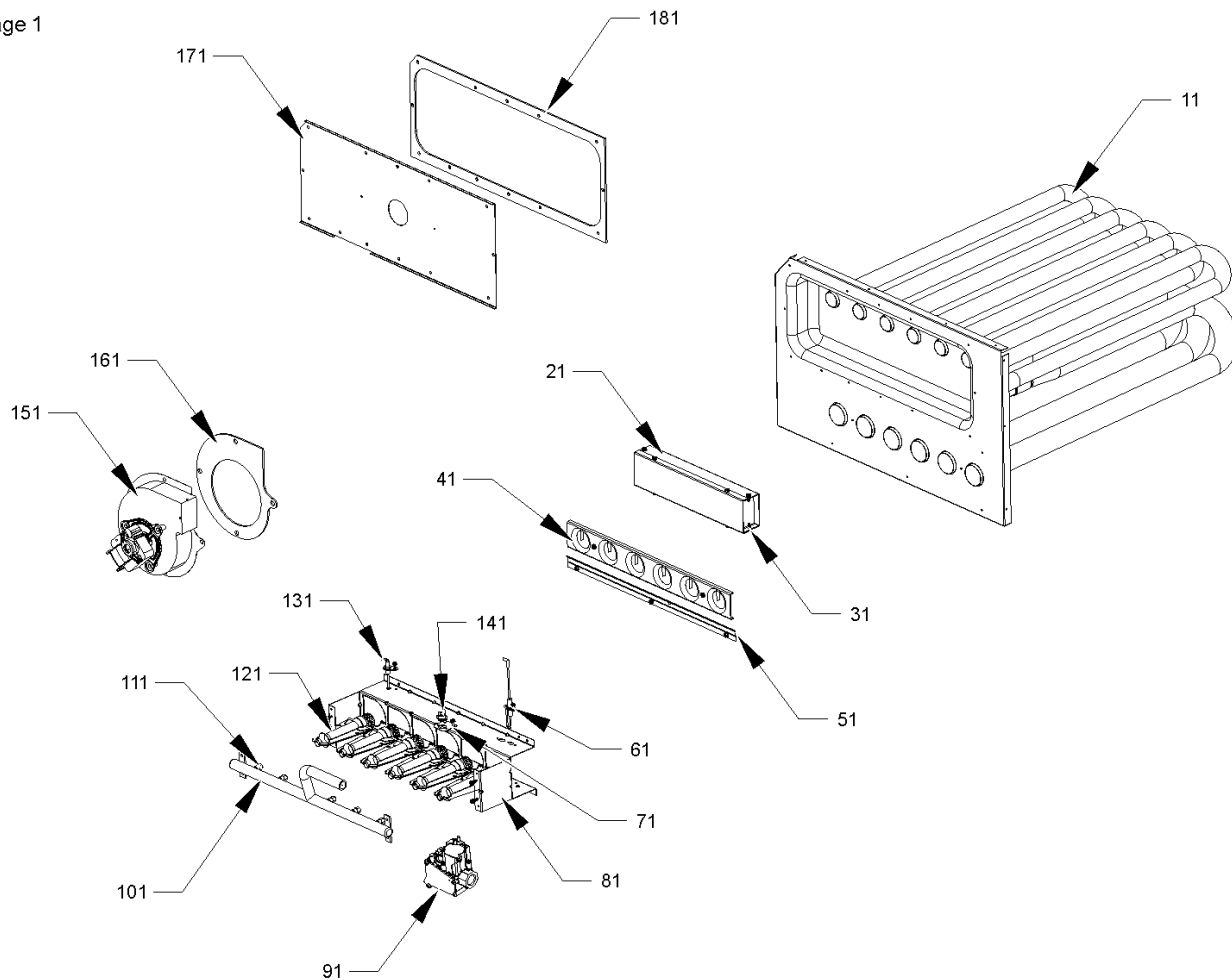
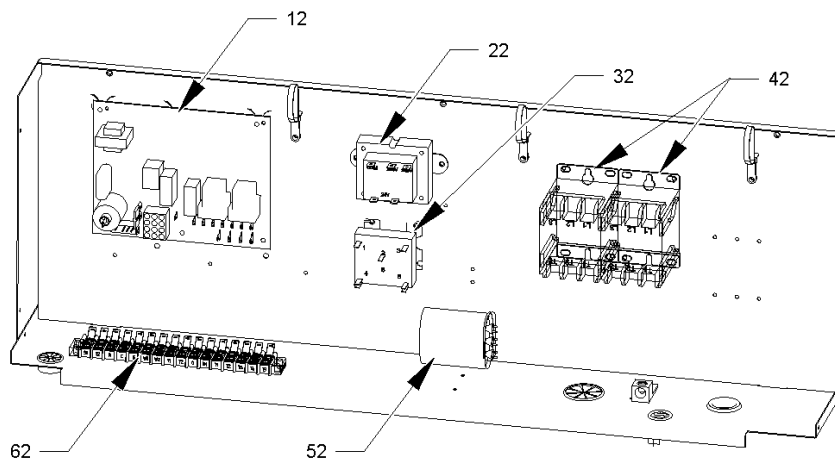


Image 2



Heat Exchanger and Control Panel Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		<i>Image 2:</i>	
11	0270L00099S PART/TUBE ASSY 2B (M1, M3, M4, M6)	NS	0259L00074 CONTROL HARNESS (M1, M2, M3, M7, M8, M9)
11	0270L00106S PART/TUBE ASSY 2B (M2, M5)	NS	0259L00075 CONTROL HARNESS (M4, M5, M6, M10, M11, M12)
11	0270L00092S PART/TUBE ASSY 4B (M7, M9, M10, M12)	NS	0259L00054 WIRING HARNESS (M1, M2, M3, M7, M8, M9)
11	0270L00105S PART/TUBE ASSY 4B (M8, M11)	NS	0259L00060 WIRING HARNESS (M4, M5, M6, M10, M11, M12)
21	0121L00277 FLUE CHANNEL	NS	0259L00065 WIRING HARNESS
31	0121L00278 FLUE SIDE COVER	NS	0259L00068 WIRING HARNESS
41	11072201 ORIFICE SHIELD (M1, M2, M3, M4, M5, M6)	NS	0259L00069 WIRING HARNESS (M7, M8, M9, M10, M11, M12)
41	11072203 ORIFICE SHIELD (M7, M8, M9, M10, M11, M12)	Expanded Model Nomenclature M1 - CPG0360453BXJXBA M2 - CPG0360453BXSXBA M3 - CPG0360453BXXXBA M4 - CPG0360454BXJXBA M5 - CPG0360454BXSXBA M6 - CPG0360454BXXXBA M7 - CPG0360903BXJXBA M8 - CPG0360903BXSXBA M9 - CPG0360903BXXXBA M10 - CPG0360904BXJXBA M11 - CPG0360904BXSXBA M12 - CPG0360904BXXXBA	
51	0121L00267 BURNER SLIDE BRACKET		
61	20261709S IGNITOR		
71	0121L00053 FLAME ROLLOUT BRACKET		
81	20190410 BURNER BRACKET 2B (M1, M2, M3, M4, M5, M6)		
81	20190412 BURNER BRACKET 4B (M7, M8, M9, M10, M11, M12)		
91	B1282628 GAS VALVE (36G) (M1, M2, M3, M4, M5, M6)		
91	0151F00000P GAS VALVE HSI (2-STAGE NAT) (M7, M8, M9, M10, M11, M12)		
101	0163L00027 MANIFOLD - 2 BRNR (M1, M2, M3, M4, M5, M6)		
101	0163L00026 MANIFOLD - 4 BRNR (M7, M8, M9, M10, M11, M12)		
111	10716003 ORIFICE (QTY AR)		
121	10735102S BECKETT BURNER (QTY 2)		
131	0130F00010 FLAME SENSOR		
141	10123532 MANUAL RESET LIMIT 300°F		
151	0131M00121S ID COMBUSTION BLOWER		
161	0154L00020 ID BLOWER GASKET		
171	0121L00285 ID BLOWER PLATE 2 BRNR (M1, M2, M3, M4, M5, M6)		
171	0121L00284 ID BLOWER PLATE 4 BRNR (M7, M8, M9, M10, M11, M12)		
181	0154L00018 ID BLOWER PLATE GASKET 4 BRNR		
NS	0163L00028 FLUE SCREEN		
<i>Image 2:</i>			
12	PCBAG123S IGNITION BOARD, DSI INTEGRATED		
22	B1141643 TRANSFORMER 208/230, 24V (M1, M2, M3, M7, M8, M9)		
22	B1141663 TRANSFORMER 460V TO 23V, 150 VA (M4, M5, M6, M10, M11, M12)		
22	B1141672 TRANSFORMER 480V, 75VA, RESETTABLE (M4, M5, M6, M10, M11, M12)		
32	0130M00025S 24V RELAY		
42	CONT3P025024VS CONTACTOR 25 AMP, 3P, 24V (M4, M5, M6, M10, M11, M12)		
42	CONT3P030024VS CONTACTOR 30 AMP, 3P, 24V (M1, M2, M3, M7, M8, M9)		
52	CAP050000370VAS CAPACITOR 5/370V		
62	0130M00038S TERMINAL BOARD		
NS	0259L00067 12-PIN MALE PLUG ASSY		
NS	20520901 CAPACITOR STRAP		

