

Parts

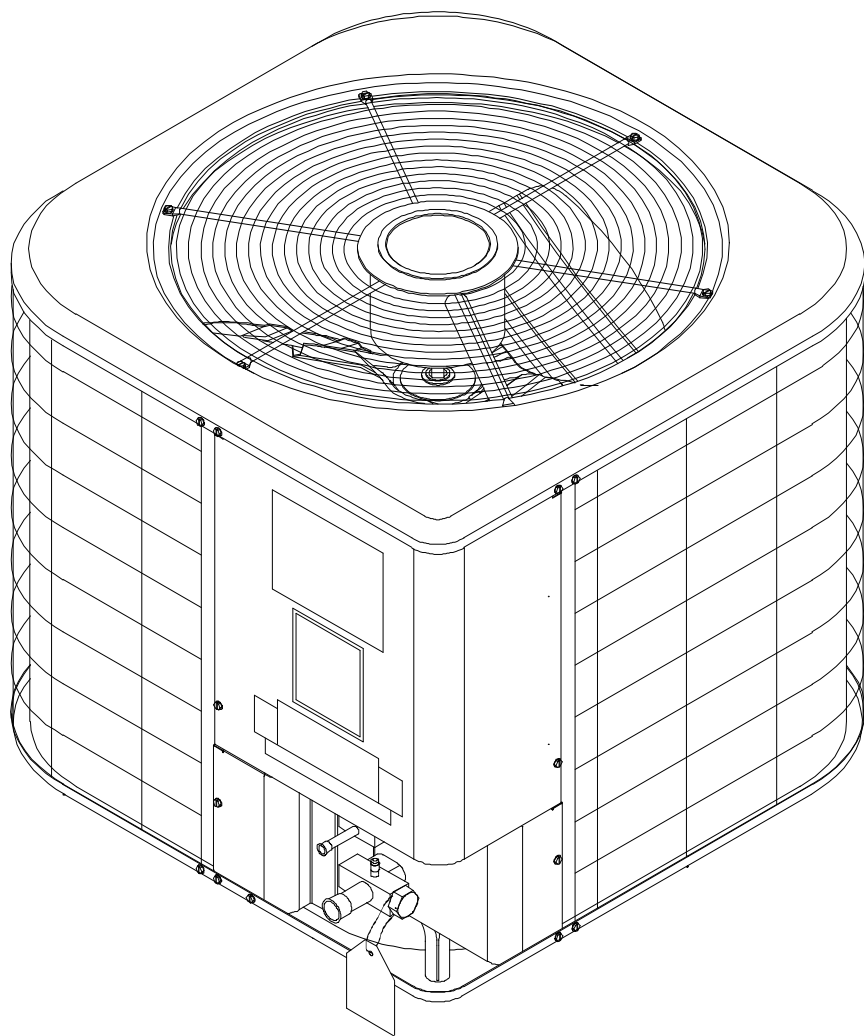
RCB Series Remote Condensing Units

This manual replaces RP6110008 Revision 0.

Parts Manual for
Amana®

Models and manufacturing
numbers in this manual

RCB18A2B	P1205301C
RCB24A2B	P1205302C
RCB30A2C	P1205314C
RCB36A2B	P1205304C
RCB36A3B	P1205305C
RCB36A4B	P1205306C
RCB42A2C	P1205307C
RCB48A2B	P1205308C
RCB48A3B	P1205309C
RCB48A4B	P1205310C
RCB60A2B	P1205311C
RCB60A3B	P1205312C
RCB60A4B	P1205313C



This manual is to be used by qualified appliance technicians only. Amana Refrigeration Inc. does not assume any responsibility for property damage or personal injury for improper service procedures done by an unqualified person.

Amana
A Raytheon Company

RP6110008
Revision 1
October 1996

Important Information

Pride and workmanship go into every product to provide our customers with quality products. It is possible, however, that during its lifetime a product may require service. Products should be serviced only by a qualified service technician who is familiar with the safety procedures required in the repair and who is equipped with the proper tools, parts, testing instruments and the appropriate service manual.

REVIEW ALL SERVICE INFORMATION IN THE APPROPRIATE SERVICE MANUAL BEFORE BEGINNING REPAIRS.

Important Notices



IF REPAIRS ARE ATTEMPTED BY UNQUALIFIED PERSONS, DANGEROUS CONDITIONS (SUCH AS EXPOSURE TO ELECTRICAL SHOCK) MAY RESULT. THIS MAY CAUSE SERIOUS INJURY OR DEATH.



AMANA WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU PERFORM SERVICE ON YOUR OWN PRODUCT, YOU ASSUME RESPONSIBILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY RESULT.

To locate an authorized servicer, please consult your telephone book or the dealer from whom you purchased this product. For further assistance, please contact:

CONSUMER AFFAIRS DEPT.
AMANA REFRIGERATION,
INC.
AMANA, IOWA 52204

**OR
CALL**

1-319-622-5511
and ask for
Consumer Affairs

If outside the United States contact:

AMANA REFRIGERATION, INC.
ATTN: INTERNATIONAL DIVISION
AMANA, IOWA 52204, USA
Telephone: (319) 622-5511
Facsimile: (319) 622-2180

RECOGNIZE SAFETY SYMBOLS, WORDS AND LABELS



DANGER - Immediate hazards which **WILL** result in severe personal injury or death.



WARNING - Hazards or unsafe practices which **COULD** result in severe personal injury or death.



CAUTION - Hazards or unsafe practices which **COULD** result in minor personal injury or product or property damage.

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Illustration and Parts 6 - 11

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

Revision 1; Added nine models to manual

Text Codes:

- AR - As Required
- 0000 - Not Shown
- 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 and Color Nomenclature:

Example	
M1 - Model#1	P _____
M2 - Model#2	P _____
M3 - Model#3	P _____

Functional Parts

Part No:	Description:
11156901	BARRIER-LOW VOLT
10099901	CAPACITOR (M4, M5, M8, M11)
D6789029	CAPACITOR-DUAL (M6, M7, M10)
D6789031	CAPACITOR-METAL (M3, M13)
D6789049	CAPACITOR-POLY (M1, M2)
D6859333	CAPACITOR-POLY (M9)
10611906	COMP-TC (M2)
10611907	COMP-TC (M13)
10679701	COMP-TC AVB5538EXN (M6)
10679707	COMP-TC AVB5542EXG (M9)
10679705	COMP-TC AVB5542EXN (M7)
10679706	COMP-TC AVB5542EXT (M8)
10679704	COMP-TC AVB5558EXG (M12)
10679702	COMP-TC AVB5558EXN (M10)
10679703	COMP-TC AVB5558EXT (M11)
10611904	COMP-TC AWC5515EXD (M1)
10611909	COMP-TC AWC5532EXD (M3)
10611911	COMP-TC AWC5532EXG (M5)
10611910	COMP-TC AWC5532EXT (M4)
10651504	HARNESS-COMP (M10)
10651502	HARNESS-COMP (M6)
10651501	HARNESS-COMP (M1)
10651501	HARNESS-COMP (M2, M3, M13)
10651502	HARNESS-COMP (M7)
11180701	HARNESS-WIRE (M11, M12)
11180601	HARNESS-WIRE (M4, M5)
11180601	HARNESS-WIRE (M8, M9)
10584310	MOTOR-COND (M7, M8)
10584309	MOTOR-COND (M5)
10584308	MOTOR-COND (M6)
10584307	MOTOR-COND (M1, M2, M3, M4, M13)
10584313	MOTOR-COND (M10, M11)
10584406	MOTOR-COND (M9)
10584312	MOTOR-COND (M12)

Functional Parts

Part

No: Description:

SPECIAL PARTS

10652402	MANUAL-INSTAL
10659201	MANUAL-OWNERS
RP6110008	MANUAL-PARTS
RS6100002	MANUAL-SERVICE
11070154	RCB18A2B SPEC SHT (M1)
11070137	RCB24A2B SPEC SHT (M2)
11070138	RCB30A2C SPEC SHT (M13)
11070141	RCB36A2B-SPEC SHT (M3)
11070142	RCB36A3B-SPEC SHT (M4)
11070143	RCB36A4B-SPEC SHT (M5)
11070155	RCB42A2B SPEC SHT (M6)
11070144	RCB60A2B-SPEC SHT (M10)
11070145	RCB60A3B-SPEC SHT (M11)
11070146	RCB60A4B-SPEC SHT (M12)

Expanded Model and Color Nomenclature

M1 - RCB18A2B	P1205301C
M2 - RCB24A2B	P1205302C
M3 - RCB36A2B	P1205304C
M4 - RCB36A3B	P1205305C
M5 - RCB36A4B	P1205306C
M6 - RCB42A2B	P1205307C
M7 - RCB48A2B	P1205308C
M8 - RCB48A3B	P1205309C
M9 - RCB48A4B	P1205310C
M10 - RCB60A2B	P1205311C
M11 - RCB60A3B	P1205312C
M12 - RCB60A4B	P1205313C
M13 - RCB30A2C	P1205314C

Exterior Cabinet/Control

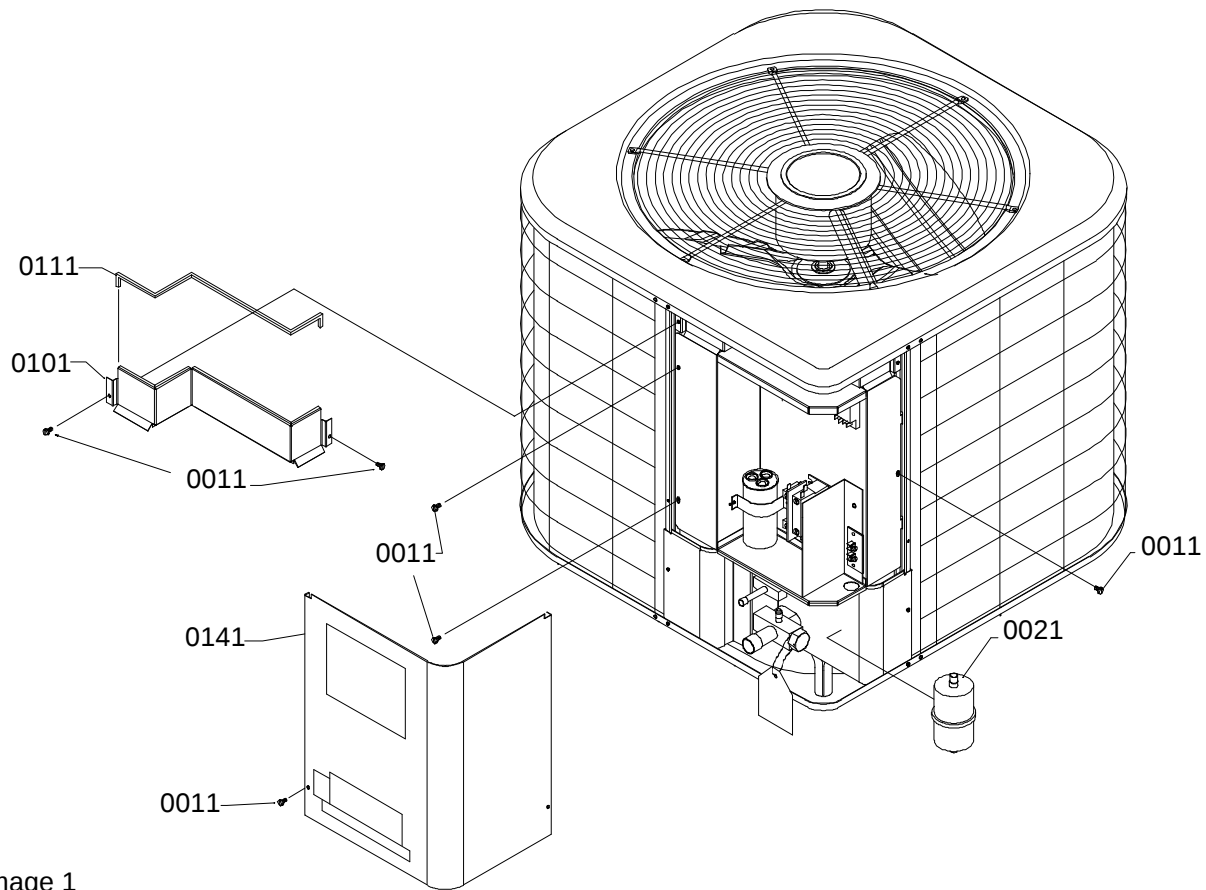
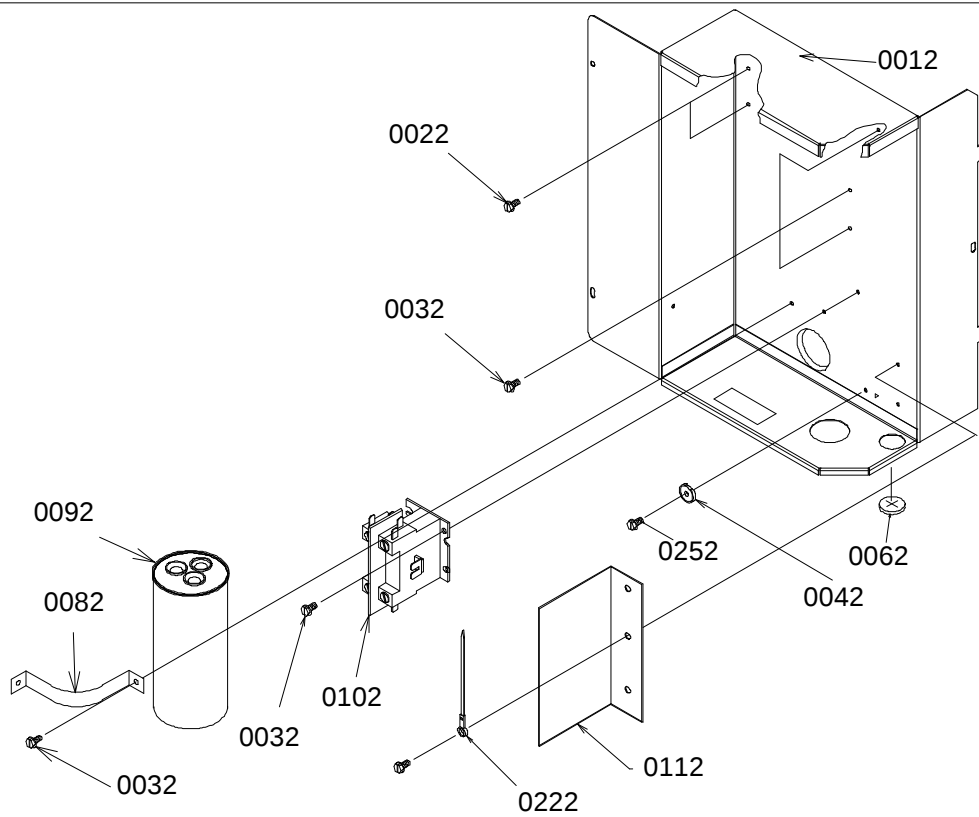


Image 1

Image 2



Exterior Cabinet/Control

Ref. No:	Part No:	Description:	Ref. No:	Part No:	Description:
<i>Image 1</i>			Expanded Model and Color Nomenclature		
0000	11076318	PISTON-ORIFICE 0710 (M3, M4, M5)	M1 - RCB18A2B	P1205301C	
0000	B1443819	RESTRICTOR 098 (M10, M11, M12)	M2 - RCB24A2B	P1205302C	
0000	11076315	PISTON-ORIFICE 0980 (M10, M11, M12)	M3 - RCB36A2B	P1205304C	
0000	11076309	PISTON-ORIFICE 0760 (M6)	M4 - RCB36A3B	P1205305C	
0000	11076301	PISTON-ORIFICE 0512 (M1)	M5 - RCB36A4B	P1205306C	
0000	B1443822	RESTRICTOR 071 (M3, M4, M5)	M6 - RCB42A2B	P1205307C	
0000	B1443816	RESTRICTOR 061 (M2)	M7 - RCB48A2B	P1205308C	
0000	B1443811	RESTRICTOR 063 (M13)	M8 - RCB48A3B	P1205309C	
0000	B1443813	RESTRICTOR 081 (M7, M8, M9)	M9 - RCB48A4B	P1205310C	
0000	B1443809	RESTRICTOR 051 (M1)	M10 - RCB60A2B	P1205311C	
0000	B1443817	RESTRICTOR 076 (M6)	M11 - RCB60A3B	P1205312C	
0011	M0220816	SCREW-SM (QTY AR)	M12 - RCB60A4B	P1205313C	
0021	10641501	DRIER-FILTER (M1, M2, M13)	M13 - RCB30A2C	P1205314C	
0021	10641502	DRIER-FILTER (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12)			
0101	10597403	FILLER-CONTROL (M1, M2, M3, M4, M5, M6, M13)			
0101	10597404	FILLER-CONTROL (M7, M8, M9, M10, M11, M12)			
0111	10777501	GASKET (QTY 18)			
0141	10589912	CONT COVER-PNT (M7, M8, M9, M10, M11, M12)			
0141	10589911	CONT COVER-PNT (M1, M2, M3, M4, M5, M6, M13)			
<i>Image 2</i>					
0012	11009601	CONTROL BOX WELD (M1, M2, M3, M6, M7, M10, M13)			
0012	11009603	CONTROL BOX WELD (M4, M5, M8, M9, M11, M12)			
0022	M0216529	SCREW-SM (QTY AR)			
0032	M0216517	SCREW-SM (QTY AR)			
0042	M0270001	WASHER-CUP (M3, M7, M10, M11, M12, M13)			
0062	A4603801	GROMMET			
0082	C6300508	STRAP-CAPACITOR CO (M3, M6, M7, M10, M13)			
0082	C6300512	STRAP-CAPACITOR (M1, M2)			
0082	A4055402	STRAP-CAPACITOR (M4, M5, M8, M9, M11, M12)			
0092	10099903	CAPACITOR (M12)			
0092	D6789031	CAPACITOR-METAL (M3, M13)			
0092	10099901	CAPACITOR (M4, M5, M8, M11)			
0092	D6789049	CAPACITOR-POLY (M1, M2)			
0092	D6859333	CAPACITOR-POLY (M9)			
0092	D6789029	CAPACITOR-DUAL (M6, M7, M10)			
0102	C6170003	CONTACTOR-35A (M10)			
0102	C6170002	CONTACTOR-30A (M7)			
0102	C6170004	CONTACTOR-25A (M1, M2, M3, M6, M13)			
0102	C6333501	CONTACTOR-25A (M4, M5, M8, M9, M11, M12)			
0112	11156901	BARRIER-LOW VOLT			
0222	M0280301	TIE-ELECTRICAL			
0252	M0227803	SCREW-TC			

Cabinet/Tubing

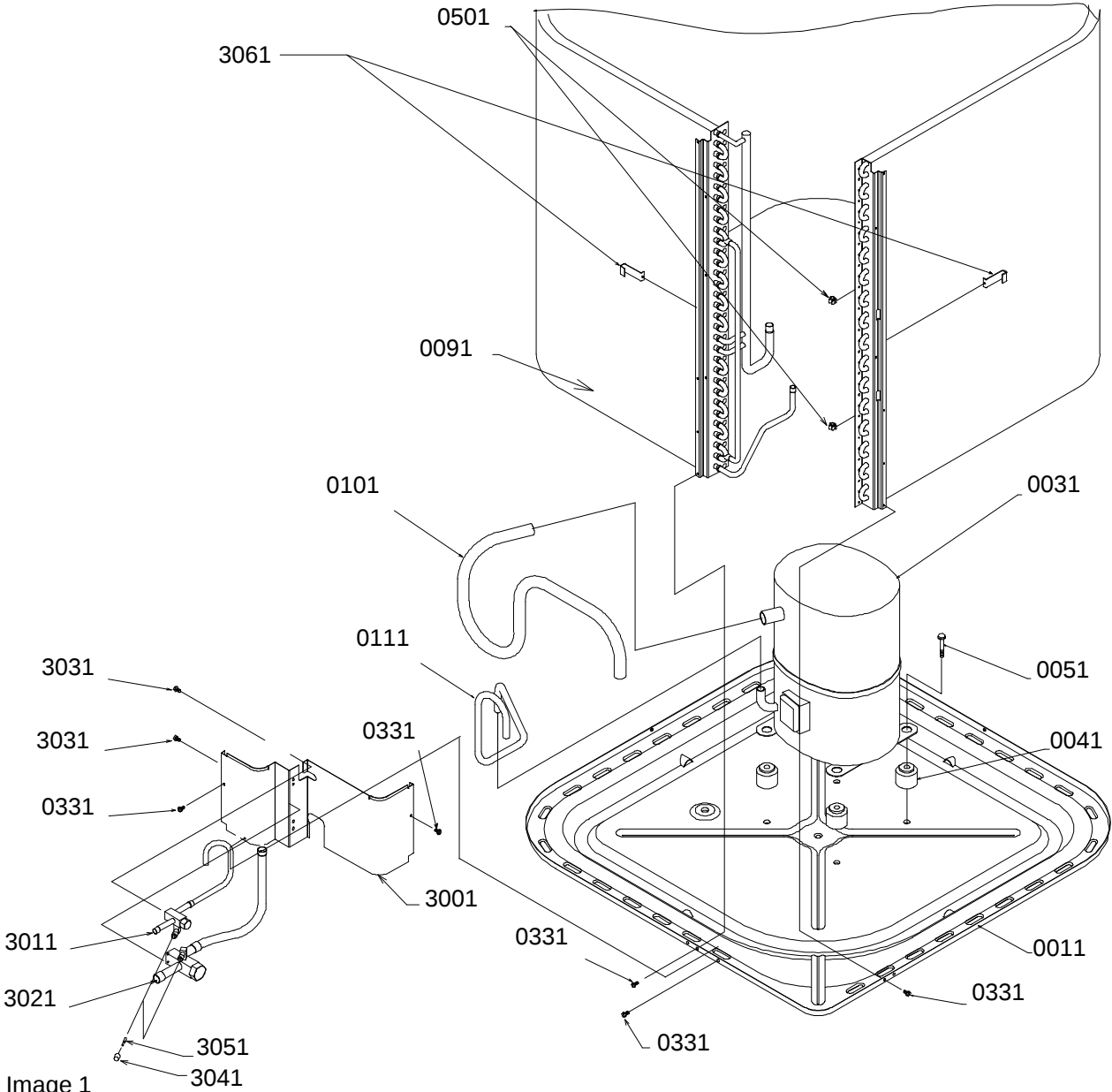


Image 1

Image 2

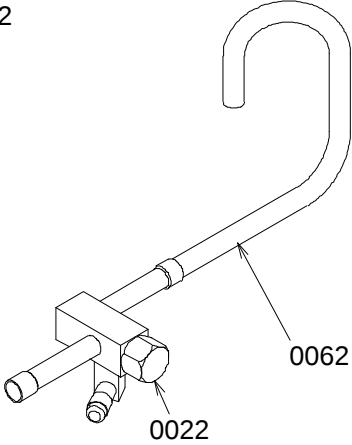
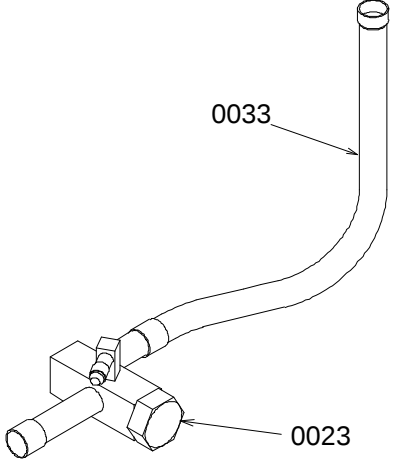


Image 3



Cabinet/Tubing

Ref. No:	Part No:	Description:
<i>Image 1</i>		
0011	10258302	BASEPAN WELD (M3, M4, M5, M6)
0011	10229602	BASEPAN WELD (M1, M2, M13)
0011	10795002	BASEPAN WELD (M7, M8, M9, M10, M11, M12)
0031	10679702	COMP-TC AVB5558EXN (M10)
0031	10679706	COMP-TC AVB5542EXT (M8)
0031	10611906	COMP-TC (M2)
0031	10611910	COMP-TC AWC5532EXT (M4)
0031	10611911	COMP-TC AWC5532EXG (M5)
0031	10679703	COMP-TC AVB5558EXT (M11)
0031	10611904	COMP-TC AWC5515EXD (M1)
0031	10611909	COMP-TC AWC5532EXD (M3)
0031	10679701	COMP-TC AVB5538EXN (M6)
0031	10679707	COMP-TC AVB5542EXG (M9)
0031	10679705	COMP-TC AVB5542EXN (M7)
0031	10611907	COMP-TC (M13)
0031	10679704	COMP-TC AVB5558EXG (M12)
0041	B1315401	GROMMET-COMP FOOT (M1, M2, M3, M4, M5, M13)
0041	10107301	GROMMET-COMP FOOT (M6)
0041	C6466001	GROMMET-COMP (M7, M8, M9, M10, M11, M12)
0051	M0221641	SCREW-SHOULDER TF (QTY 4)
0091	11137802	COND ASSY-PNT (M10, M11, M12)
0091	20020301	COND ASSY-PNT (M1)
0091	11183802	COND ASSY-PNT (M13)
0091	11183801	COND ASSY-PNT (M2)
0091	11181001	COND ASSY-PNT (M3, M4, M5, M6)
0091	11137801	COND ASSY-PNT (M7, M8, M9)
0101	11184002	TUBE-SUCTION (M1, M2)
0101	11184001	TUBE-SUCTION (M13)
0101	10717601	TUBE-SUCTION (M6)
0101	20016602	SUCT TUBE WELD (M11, M12)
0101	11189202	TUBE-SUCTION (M3, M4, M5)
0101	20016401	TUBE-SUCTION (M7, M8, M9)
0101	20016401	TUBE-SUCTION (M10)
0111	20015201	DISCH WELD (M7, M8, M9, M10, M11, M12)
0111	20002501	TUBE-DISCH (M2, M13)
0111	10821001	TUBE-DISCH (M1)
0111	10717502	TUBE-DISCH (M6)
0111	10799802	TUBE-DISCH (M3, M4, M5)
0331	M0220816	SCREW-SM (QTY AR)
0501	M0120901	CLIP-CABLE (QTY 2)
3001	10576206	SWT VLV BRKT-PNT
3011	11055805	LIQUID VALVE WELD
3021	11030912	SWEAT VALVE WELD (M2)
3021	11030906	SWEAT VALVE WELD (M1)
3021	11030907	SWEAT VALVE WELD (M3, M4, M5, M13)
3021	11030908	SWEAT VALVE WELD (M6, M7, M8, M9, M10, M11, M12)
3031	M0220816	SCREW-SM (QTY AR)
3041	A4692601	NUT-CAP (QTY 2)
3051	A4692801	VALVE-CORE (QTY 2)
3061	11107802	CLIP-COIL GRILLE (M10, M11, M12)
3061	11107802	CLIP-COIL GRILLE (M7, M8, M9)

Image 2

0022	11012206	VALVE-SWEAT
0062	11048703	TUBE-SWEAT VLV

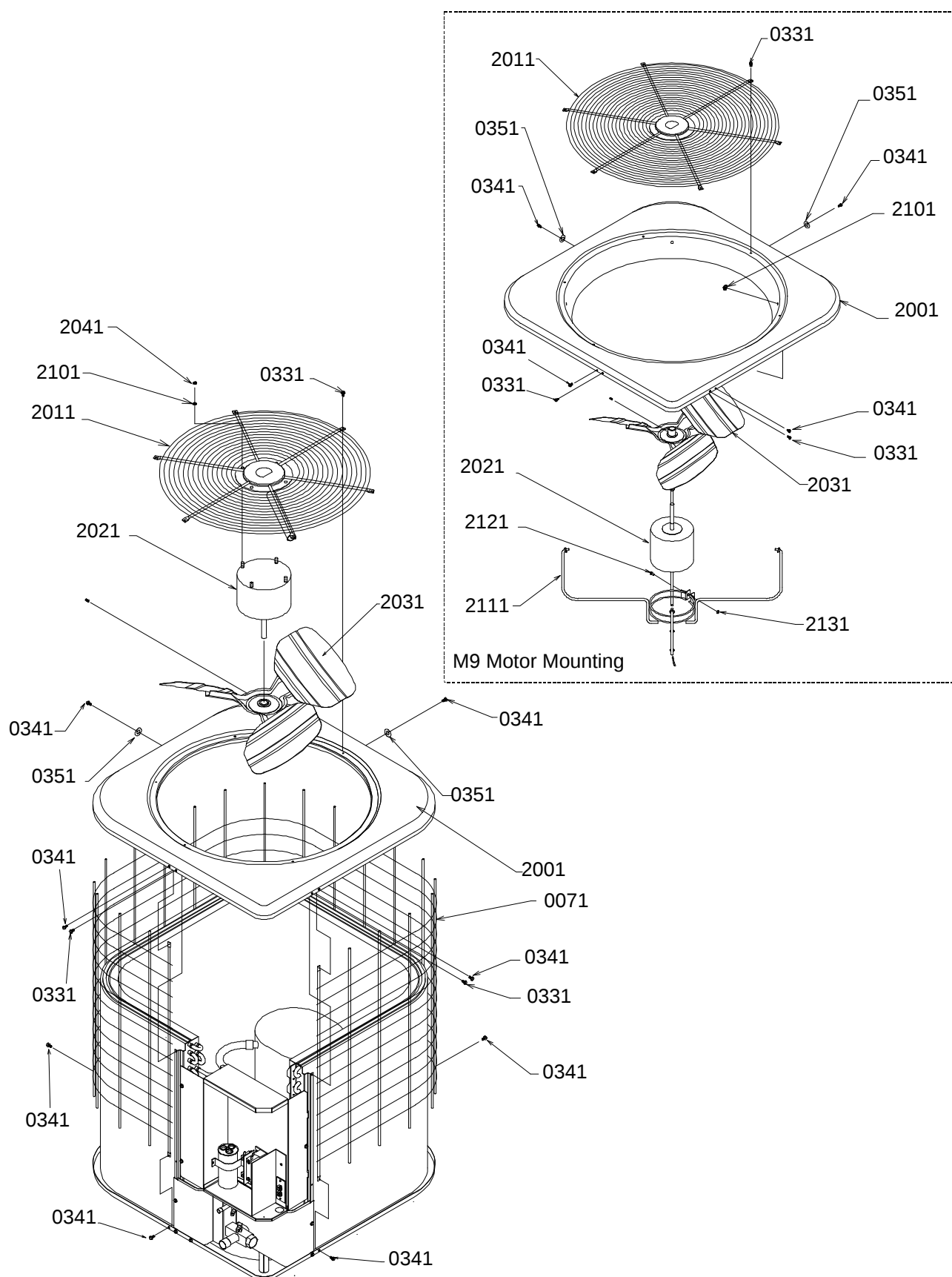
Image 3

Ref. No:	Part No:	Description:
0023	11012208	VALVE-SWEAT (M3, M4, M5, M13)
0023	11012207	VALVE-SWEAT (M1, M2)
0023	11012209	VALVE-SWEAT (M6, M7, M8, M9, M10, M11, M12)
0033	10639902	TUBE-SWEAT VLV (M1)
0033	10719802	TUBE-SWT VLV (M3, M4, M5, M13)
0033	10719902	TUBE-SUCTION (M6, M7, M8, M9, M10, M11, M12)
0033	10639903	TUBE-SUC/SWT VLV (M2)

Expanded Model and Color Nomenclature

M1 - RCB18A2B	P1205301C
M2 - RCB24A2B	P1205302C
M3 - RCB36A2B	P1205304C
M4 - RCB36A3B	P1205305C
M5 - RCB36A4B	P1205306C
M6 - RCB42A2B	P1205307C
M7 - RCB48A2B	P1205308C
M8 - RCB48A3B	P1205309C
M9 - RCB48A4B	P1205310C
M10 - RCB60A2B	P1205311C
M11 - RCB60A3B	P1205312C
M12 - RCB60A4B	P1205313C
M13 - RCB30A2C	P1205314C

Cabinet/Motor



Cabinet/Motor

Ref. No:	Part No:	Description:	Ref. No:	Part No:	Description:
<i>Image 1</i>					
0071	10596706	GRILLE-FORMED (M3, M4, M5, M6)			
0071	10596705	GRILLE-FORMED (M1, M2, M13)			
0071	10596707	GRILLE-FORMED (M7, M8, M9, M10, M11, M12)			
0331	M0220816	SCREW-SM (QTY AR)			
0341	M0229130	SCREW-SD (QTY 8)			
0351	M0270529	WASHER-FLAT (QTY 2)			
2001	10576304	TOP COVER (M7, M8, M9, M10, M11, M12)			
2001	10229802	TOP COVER (M1, M2, M13)			
2001	10576102	TOP COVER (M3, M4, M5, M6)			
2011	10589803	GRILLE-FAN (M9)			
2011	10589801	GRILLE-FAN (M1, M2, M13)			
2011	10589802	GRILLE-FAN (M3, M4, M5, M6)			
2011	10589804	GRILLE-FAN (M7, M8, M10, M11, M12)			
2021	10584313	MOTOR-COND (M10, M11)			
2021	10584406	MOTOR-COND (M9)			
2021	10584310	MOTOR-COND (M7, M8)			
2021	10584307	MOTOR-COND (M1, M2, M3, M4, M13)			
2021	10584312	MOTOR-COND (M12)			
2021	10584308	MOTOR-COND (M6)			
2021	10584309	MOTOR-COND (M5)			
2031	10625704	FAN-CONDENSER (M5, M6)			
2031	10625707	FAN-CONDENSER (M7, M8, M10, M11, M12)			
2031	10650802	FAN-CONDENSER (M9)			
2031	10625703	FAN-CONDENSER (M1, M2, M13)			
2031	10625705	FAN-CONDENSER (M3, M4)			
2041	M0282019	NUT-KEPS (M9)			
2041	M0280801	NUT-HEX (M1, M2, M3, M4, M5, M6, M7, M8, M10, M11, M12, M13)			
2101	M0272803	WASHER-LOCK			
2111	10526502	MOUNT-MOTOR (M9)			
2121	M0257564	SCREW-SEMS (M9)			
2131	M0282017	NUT-KEPS (M9)			

Expanded Model and Color Nomenclature

M1 - RCB18A2B	P1205301C
M2 - RCB24A2B	P1205302C
M3 - RCB36A2B	P1205304C
M4 - RCB36A3B	P1205305C
M5 - RCB36A4B	P1205306C
M6 - RCB42A2B	P1205307C
M7 - RCB48A2B	P1205308C
M8 - RCB48A3B	P1205309C
M9 - RCB48A4B	P1205310C
M10 - RCB60A2B	P1205311C
M11 - RCB60A3B	P1205312C
M12 - RCB60A4B	P1205313C
M13 - RCB30A2C	P1205314C