

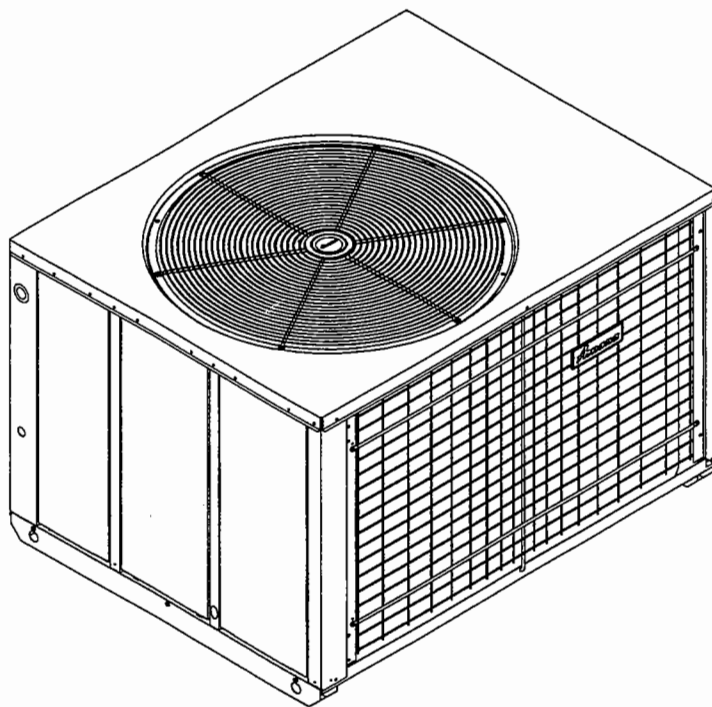
Rich Whittington F0 L1 M1
Fayetteville - Both
HAC-PTAC
HAC

Models and manufacturing
numbers in this manual

PHD24C02E	P1224301C
PHD30C02E	P1224302C
PHD36C02E	P1224303C
PHD42C02E	P1224304C

Parts

PHD Series Package Units



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

Amana

RP6360002
Revision 0
June 1998

Important Information

Amana 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, Amana also recommends contacting an authorized technician and using authorized factory parts. Locate an authorized technician by calling 800-NATLSVC (800-628-5782).

For assistance within the U.S.A. contact:

Consumer Affairs Department
Amana
2800 220th Trail
PO Box 8901
Amana IA 52204-0001
319-622-5511--Telephone
319-622-2977--Facsimile

For assistance outside the U.S.A. contact:

International Division
Amana
2800 220th Trail
PO Box 8901
Amana IA 52204-0001
USA
319-622-5511--Telephone
319-622-8595--Facsimile

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

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)

NA - Not Available

Expanded Model and Color Nomenclature:

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

Functional Parts

Part

No:

Description:

D6859325	CAPACITOR (M1, M2, M3)
D6879831	CAPACITOR (M1)
D6789033	CAPACITOR-METAL (M4)
D6879841	CAPACITOR-ROUND (M2, M3)
11012508	COMP-CP ZR22K3-PFV (M1)
11012503	COMP-CP ZR28K3 (M2)
11012506	COMP-CP ZR32K3-PFV (M3)
11012502	COMP-CP ZR40K3 (M4)
C6170002	CONTACTOR-30A
10030914	CONTROL-DEF 30/60
20013701	CONTROL-DEFROST
20001001	HARNESS-BLOWER (M3)
20217002	HARNESS-BLOWER (M4)
20001001	HARNESS-BLOWER (M1, M2)
10685009	HARNESS-COIL
20001401	HARNESS-COMPRESSOR (M1, M2)
20203901	HARNESS-COMPRESSOR (M3, M4)
20016302	HARNESS-CONTROL (M1, M2, M3)
20217302	HARNESS-CONTROL (M4)
20158801	HARNESS-WIRING (M4)
10843306	MOTOR-BLOWER (M4)
11112805	MOTOR-COND
20013001	MOTOR-EVAP (M1, M2)
20013002	MOTOR-EVAP (M3)
10135601	RELAY (M1, M2, M3)
11120302	XFRMR

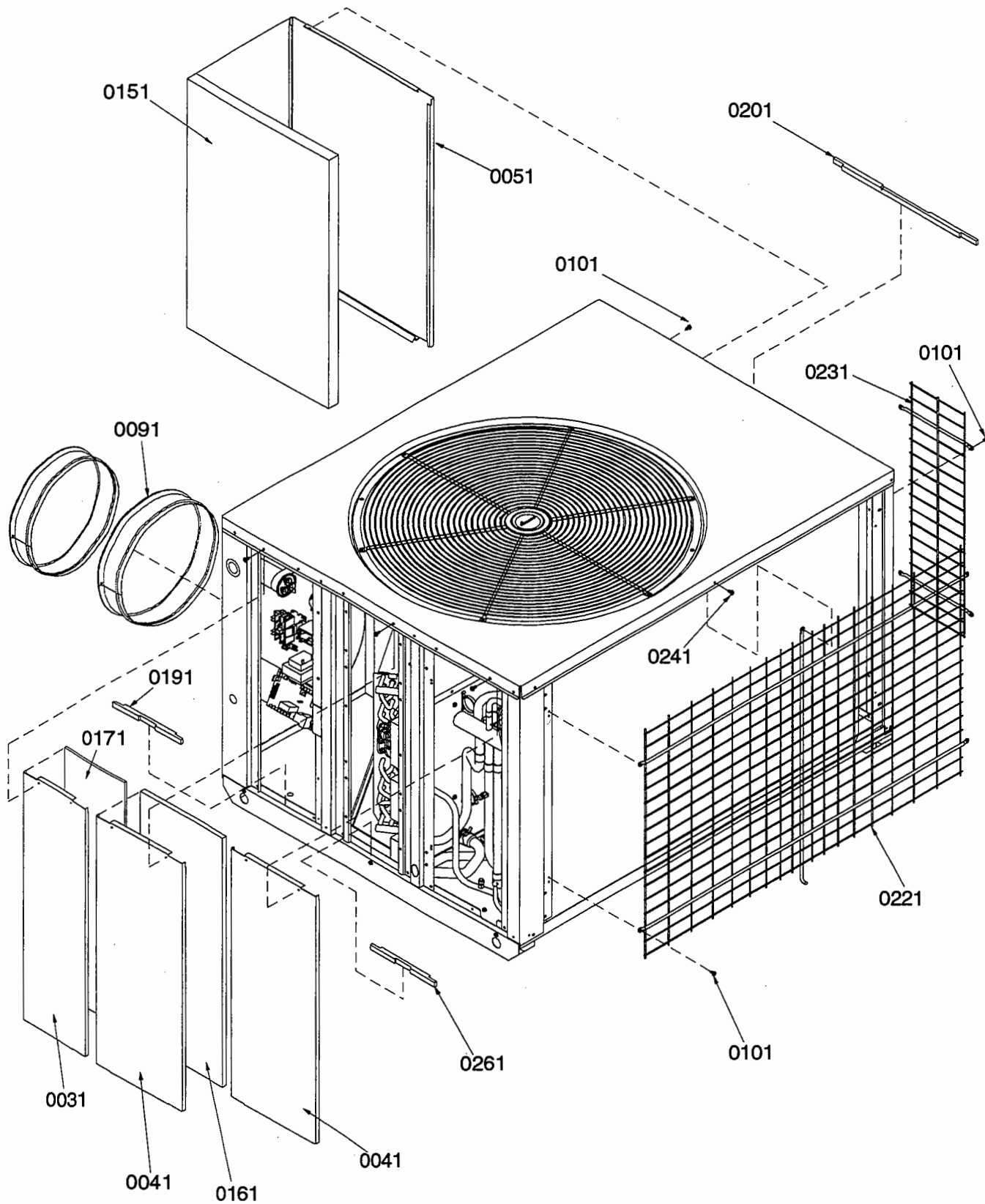
SPECIAL PARTS

10730409	MANUAL-INSTALL (M3, M4)
RP6360002	MANUAL-PARTS
10500211	MANUAL-USERS
11131509	SHEET-SPEC (M1, M2)
11131514	SHEET-SPEC (M3, M4)

Expanded Model and Color Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C

Outer Cabinet



Outer Cabinet

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

0031	11099001	DOOR-CABINET (M1, M2)
0031	11099005	DOOR-CABINET (M3, M4)
0041	11099002	DOOR-CABINET (M1, M2) (QTY 2)
0041	11099006	DOOR-CABINET (M3, M4) (QTY 2)
0051	11099003	DOOR-CABINET (M1, M2)
0051	11099007	DOOR-CABINET (M3, M4)
0091	20014201	TRANSITION-DUCT (QTY 2)
0101	M0221817	SCREW-SM (QTY AR)
0151	11130116	INSULATION (M1, M2)
0151	11130118	INSULATION (M3, M4)
0161	11131110	INSUL-DOOR (M1, M2)
0161	11131111	INSULATION (M3, M4)
0171	20014701	INSULATION (M1, M2)
0171	20014702	INSULATION (M3, M4)
0191	11160106	GASKET-FOAM
0201	11160104	GASKET-FOAM
0221	20199703	GRILLE-FLAT (M1, M2)
0221	20199704	GRILLE-FLAT (M3, M4)
0231	11184705	GRILLE-FLAT (M1, M2)
0231	11184706	GRILLE-FLAT (M3, M4)
0241	M0229130	SCREW-SD
0261	11160107	GASKET-FOAM

Expanded Model and Color Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C

This diagram illustrates the exploded view of a mechanical assembly, showing the relationship between various components. The parts are identified by numerical callouts:

- 0001**: Main housing or base plate.
- 0011**: Internal structural component.
- 0021**: Side panel or cover.
- 0031**: Vertical support or bracket.
- 0041**: Small rectangular component.
- 0051**: Base plate or support.
- 0061**: Longitudinal rail or guide.
- 0071**: Small square component.
- 0081**: Top cover or lid.
- 0091**: Cylindrical component, possibly a motor or actuator.
- 0101**: Vertical support or bracket.
- 0111**: Horizontal support or bracket.
- 0121**: Small rectangular component.
- 0131**: Small rectangular component.
- 0141**: Small rectangular component.
- 0151**: Longitudinal rail or guide.
- 0161**: Small rectangular component.
- 0171**: Vertical support or bracket.
- 0181**: Small rectangular component.
- 0191**: Vertical support or bracket.
- 0201**: Small rectangular component.
- 0211**: Small rectangular component.
- 0221**: Small rectangular component.
- 0231**: Small rectangular component.
- 0241**: Small rectangular component.
- 0251**: Small rectangular component.
- 0261**: Small rectangular component.
- 0271**: Small rectangular component.
- 0281**: Small rectangular component.
- 0291**: Small rectangular component.
- 0301**: Small rectangular component.
- 0311**: Small rectangular component.
- 0321**: Small rectangular component.
- 0331**: Small rectangular component.
- 0341**: Small rectangular component.
- 0351**: Small rectangular component.
- 0361**: Small rectangular component.
- 0371**: Small rectangular component.
- 0381**: Small rectangular component.
- 0391**: Small rectangular component.
- 0401**: Small rectangular component.
- 0411**: Small rectangular component.
- 0421**: Small rectangular component.
- 0431**: Small rectangular component.
- 0441**: Small rectangular component.
- 0451**: Small rectangular component.
- 0461**: Small rectangular component.
- 0471**: Small rectangular component.
- 0481**: Small rectangular component.
- 0491**: Small rectangular component.
- 0501**: Small rectangular component.
- 0511**: Small rectangular component.
- 0521**: Small rectangular component.
- 0531**: Small rectangular component.
- 0541**: Small rectangular component.
- 0551**: Small rectangular component.
- 0561**: Small rectangular component.
- 0571**: Small rectangular component.
- 0581**: Small rectangular component.
- 0591**: Small rectangular component.
- 0601**: Small rectangular component.
- 0611**: Small rectangular component.
- 0621**: Small rectangular component.
- 0631**: Small rectangular component.
- 0641**: Small rectangular component.
- 0651**: Small rectangular component.
- 0661**: Small rectangular component.
- 0671**: Small rectangular component.
- 0681**: Small rectangular component.
- 0691**: Small rectangular component.
- 0701**: Small rectangular component.
- 0711**: Small rectangular component.
- 0721**: Small rectangular component.
- 0731**: Small rectangular component.
- 0741**: Small rectangular component.
- 0751**: Small rectangular component.
- 0761**: Small rectangular component.
- 0771**: Small rectangular component.
- 0781**: Small rectangular component.
- 0791**: Small rectangular component.
- 0801**: Small rectangular component.
- 0811**: Small rectangular component.
- 0821**: Small rectangular component.
- 0831**: Small rectangular component.
- 0841**: Small rectangular component.
- 0851**: Small rectangular component.
- 0861**: Small rectangular component.
- 0871**: Small rectangular component.
- 0881**: Small rectangular component.
- 0891**: Small rectangular component.
- 0901**: Small rectangular component.
- 0911**: Small rectangular component.
- 0921**: Small rectangular component.
- 0931**: Small rectangular component.
- 0941**: Small rectangular component.
- 0951**: Small rectangular component.
- 0961**: Small rectangular component.
- 0971**: Small rectangular component.
- 0981**: Small rectangular component.
- 0991**: Small rectangular component.
- 1001**: Small rectangular component.
- 1011**: Small rectangular component.
- 1021**: Small rectangular component.
- 1031**: Small rectangular component.
- 1041**: Small rectangular component.
- 1051**: Small rectangular component.
- 1061**: Small rectangular component.
- 1071**: Small rectangular component.
- 1081**: Small rectangular component.
- 1091**: Small rectangular component.
- 1101**: Small rectangular component.
- 1111**: Small rectangular component.
- 1121**: Small rectangular component.
- 1131**: Small rectangular component.
- 1141**: Small rectangular component.
- 1151**: Small rectangular component.
- 1161**: Small rectangular component.
- 1171**: Small rectangular component.
- 1181**: Small rectangular component.
- 1191**: Small rectangular component.
- 1201**: Small rectangular component.

Internal Components

Ref. No:	Part No:	Description:
<i>Image 1</i>		
0011	10398602	COVER-TERM BOX (M2, M4)
0021	20212601	COND ASSY (M3, M4)
0021	20170202	CONDENSER ASSY (M1)
0021	20170203	CONDENSER ASSY (M2)
0031	20229801	EVAP ASSY (M3, M4)
0031	20155305	EVAPORATOR ASSY (M1)
0031	20155403	EVAPORATOR ASSY (M2)
0051	20001202	BASEPAN
0061	20000502	RAIL-BASEPAN (QTY 2)
0071	20001101	COVER-DUCT (QTY 2)
0081	20012902	INSUL-BASEPAN
0091	11012508	COMP-CP ZR22K3-PFV (M1)
0091	11012503	COMP-CP ZR28K3 (M2)
0091	11012506	COMP-CP ZR32K3-PFV (M3)
0091	11012502	COMP-CP ZR40K3 (M4)
0101	20013505	PART-COND (M1, M2)
0101	20013506	PART-COND (M3, M4)
0111	20013601	INSUL-COND (M1, M2)
0111	20013602	INSUL-COND (M3, M4)
0121	20000901	PLATE-COND
0131	11130114	INSUL-PLATE
0151	20001801	CORNER-POST (M1, M2)
0151	20001802	CORNER-POST (M3, M4)
0171	11098709	POST-SIDE (M1, M2)
0171	11098713	POST-SIDE (M3, M4)
0191	20000601	PAN-DRIP
0251	11197101	PART-EVAP
0261	20014401	COIL-BAFFLE
0271	20013901	SUPPORT-MOTOR
0331	A4568804	GROMMET-D (QTY AR)
0341	M0118702	CLIP-GUIDE (QTY AR)
0351	20222401	TUBE-DRAIN
0361	M0117605	CLAMP-TUBE
0461	10107301	GROMMET-COMP FOOT (QTY 4)
0471	M0221641	SCREW-SHOULDER TF (QTY 4)
0481	A4554820	SNAP-BUSHING (QTY AR)
0491	A4554821	SNAP-BUSHING
0571	M0221817	SCREW-SM (QTY AR)
0671	10839803	GASKET-CROSS LINK (QTY AR)
0681	10839801	GASKET-CROSS LINK (QTY AR)
0761	20155501	STRAP-ACCUMULATOR (M1, M2)
0781	11190803	ACCUMULATOR (M1, M2)
0821	20199301	LIQUID LINE WELD (M1, M2)
0821	20229502	LIQUID LINE WELD (M3, M4)
0831	20202302	COMP/ACC WELD (M1, M2)
0851	20155203	FILLER-EVAP (M1, M2)
0851	20155204	FILLER-EVAP (M3, M4)
0891	10839807	GASKET-CROSS LINK (QTY AR)
0971	11026401	BLANKET-SOUND (M1, M2)
0971	11026501	BLANKET-SOUND (M3, M4)
0981	20212407	VALVE-EXP INDOOR (M3, M4)
0991	20212408	VALVE-EXP OUTDOOR (M3, M4)
1001	20031202	CLAMP - TXV BULB (M3, M4) (QTY AR)
1011	B1369301	INSUL (M3, M4) (QTY AR)
1031	20229303	TUBE-EVAP-LIQUID (M3, M4)
9941	C6453308	CUTOUT-LOW PRESS
9951	A4692602	NUT-CAP

Ref. No:	Part No:	Description:
9961	A4692801	VALVE-CORE (QTY 2)
9971	A4692701	VALVE-DILL (M1, M2) (QTY 2)
9971	A4692702	VALVE-DILL (M3, M4) (QTY 2)
9981	20199201	TUBE-LIQUID LINE (M1, M2)
9981	20230002	TUBE-LIQUID LINE (M3, M4)
9991	10398702	GASKET-TERM BOX (M2, M4)

Expanded Model and Color Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C

Reversing Valve Weldment

Image 1

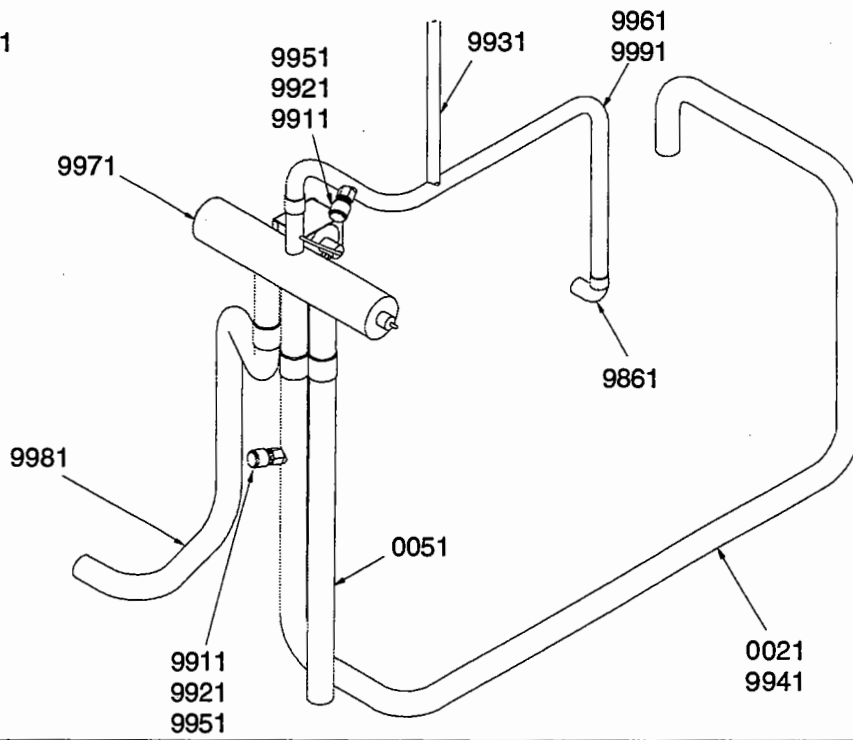
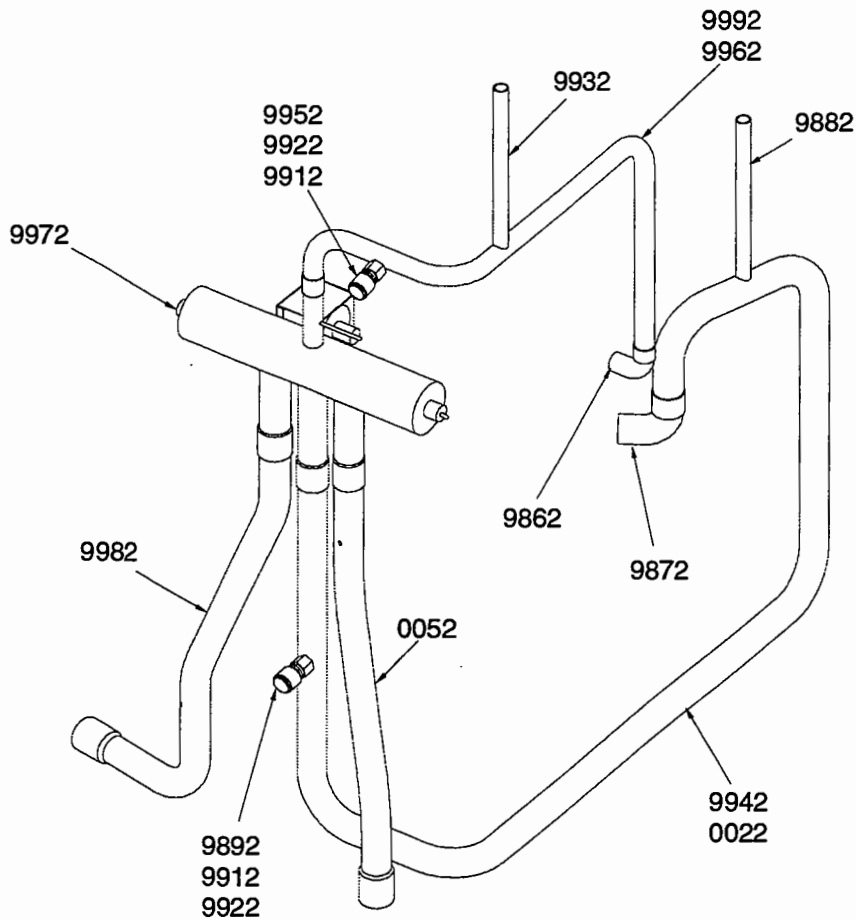


Image 2



Reversing Valve Weldment

Ref. Part
No: No: Description:

Ref. Part
No: No: Description:

Image 1

0021	20020501	TUBE-RVLV/ACC (M1, M2)
0051	20036601	TUBE-RVLV/OUTDOOR (M1, M2)
9861	A4698404	ELBOW-STREET (M1, M2)
9911	A4692602	NUT-CAP (M1, M2) (QTY AR)
9921	A4692801	VALVE-CORE (M1, M2) (QTY AR)
9931	A4528927	TUBE-PROCESS (M1, M2)
9941	20037001	RVLV/ACC WELD (M1, M2)
9951	A4692701	VALVE-DILL (M1, M2) (QTY AR)
9961	20202402	RVLV/COMP WELD (M1, M2)
9971	10681001	VALVE-REVERSING (M1, M2)
9981	20036501	TUBE-RVLV/INDOOR (M1, M2)
9991	20202003	TUBE-RVLV/COMP (M1, M2)

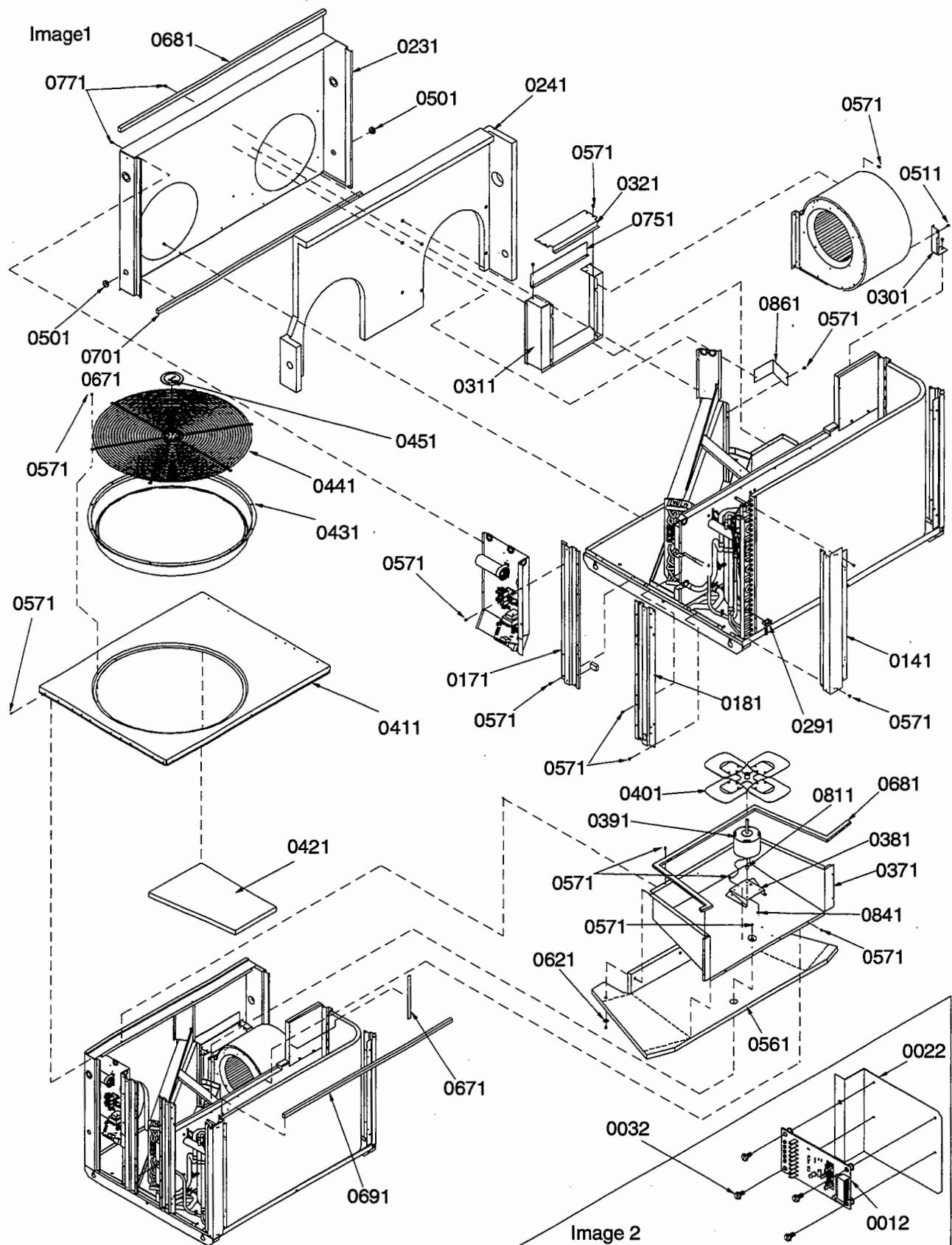
Image 2

0022	20216902	TUBE-RVLV/SUCT (M3, M4)
0052	20229701	TUBE-RVLV/OUTDOOR (M3, M4)
9862	A4698404	ELBOW-STREET (M3, M4)
9872	A4698402	ELBOW-STREET (M3, M4)
9882	A4528908	TUBE-PROCESS (M3, M4)
9892	A4692702	VALVE-DILL (M3, M4)
9912	A4692602	NUT-CAP (M3, M4) (QTY AR)
9922	A4692801	VALVE-CORE (M3, M4) (QTY AR)
9932	A4528927	TUBE-PROCESS (M3, M4)
9942	20216802	RVLV/SUCTION WELD (M3, M4)
9952	A4692701	VALVE-DILL (M3, M4) (QTY AR)
9962	20202402	RVLV/COMP WELD (M3, M4)
9972	10681001	VALVE-REVERSING (M3, M4)
9982	20233202	TUBE-RVLV/INDOOR (M3, M4)
9992	20202003	TUBE-RVLV/COMP (M3, M4)

Expanded Model and Color Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C

Internal Components



Internal Components

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

0141	20001701	CORNER-POST (M1, M2)
0141	20001702	CORNER-POST (M3, M4)
0171	11098709	POST-SIDE (M1, M2)
0171	11098713	POST-SIDE (M3, M4)
0181	20185101	SIDE POST-REWORK (M1, M2)
0181	20185102	SIDE POST-REWORK (M3, M4)
0231	20001301	PANEL-BACK (M1, M2)
0231	20001303	PANEL-BACK (M3, M4)
0241	20013801	INSUL-BACK (M1, M2)
0241	20013802	INSUL-BACK (M3, M4)
0291	10030914	CONTROL-DEF 30/60
0301	20013202	BRACKET-BLOWER
0311	20020701	HEATER BOX
0321	20020601	HEATER BOX-TOP
0371	11098302	PART-FAN
0381	11099501	MOUNT-COND MOTOR
0391	11112805	MOTOR-COND
0401	11182905	FAN-CONDENSER CW
0411	20000702	COVER-TOP
0421	11182501	INSUL-TOP
0431	20171401	ORIFICE-COND
0441	11112003	GRILLE-FAN
0451	C6196703	PLATE-LOGO
0501	A4603801	GROMMET (QTY AR)
0511	M0250558	SCREW-TC
0561	11197401	INSUL-FAN PART
0571	M0221817	SCREW-SM (QTY AR)
0621	11197701	WASHER-RETAINER (QTY 2)
0671	10839803	GASKET-CROSS LINK (QTY AR)
0681	10839801	GASKET-CROSS LINK (QTY AR)
0691	10839712	GASKET-URETHANE (QTY AR)
0701	10839810	GASKET-CROSS LINK (QTY AR)
0751	20037201	HEATER BOX-BAFFLE
0771	M0220819	SCREW-SM (QTY AR)
0811	20042802	GROMMET-ISLR (QTY AR)
0841	M0280801	NUT-HEX (QTY AR)
0861	20155101	BRACKET-EVAP

Image 2

0012	20158901	BOARD-INTERFACE (M4)
0022	20191902	BRKT-INTERFACE (M4)
0032	M0216519	SCREW-SM (M4) (QTY AR)

Expanded Model and Color Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C

Blower/Control Panel

Image 1

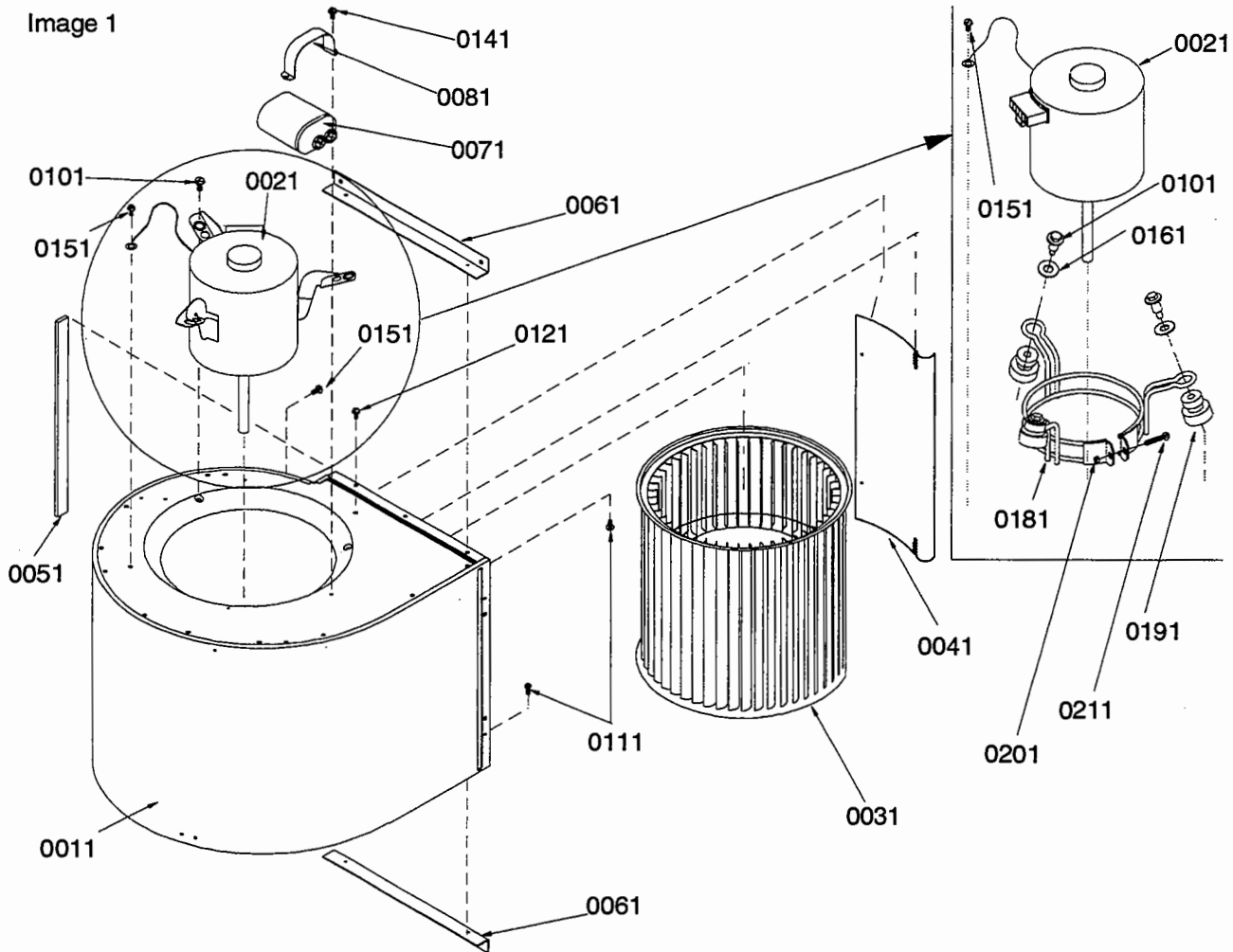
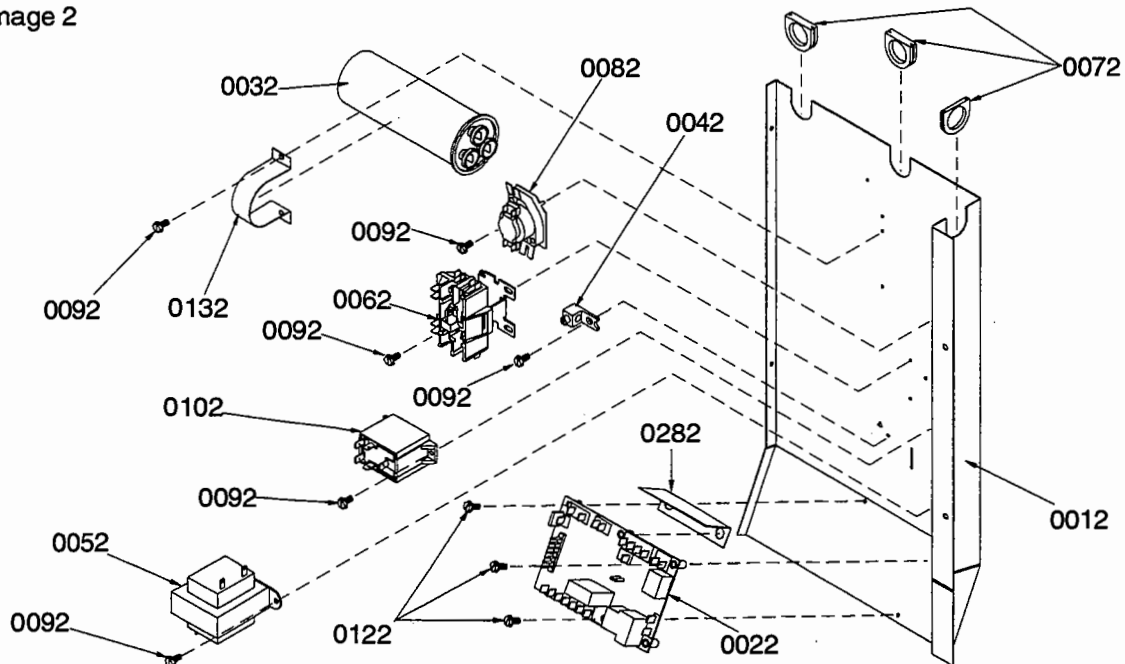


Image 2



Blower/Control Panel

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

0011	20162502	BLOWER HSG WELD
0021	10843306	MOTOR-BLOWER (M4)
0021	20013001	MOTOR-EVAP (M1, M2)
0021	20013002	MOTOR-EVAP (M3)
0031	D6723302	WHEEL-BLOWER
0041	C6121810	CUTOFF
0051	10839803	GASKET-CROSS LINK (QTY AR)
0061	20021101	RAIL-BLOWER (QTY 2)
0071	D6859325	CAPACITOR (M1, M2, M3)
0081	A4055402	STRAP-CAPACITOR (M1, M2, M3)
0101	M0221461	SCREW-TC (M4) (QTY AR)
0101	M0250558	SCREW-TC (M1, M2, M3) (QTY AR)
0111	M0221817	SCREW-SM (QTY AR)
0121	M0211020	SCREW-SM (QTY AR)
0141	M0233716	SCREW-SD (M1, M2, M3) (QTY AR)
0151	M0211017	SCREW-SM (QTY AR)
0161	M0274008	WASHER-FLAT (M4) (QTY AR)
0181	C9443702	BRKT-MOTOR MT (M4)
0191	A4002701	GROMMET (M4) (QTY AR)
0201	M0282015	NUT-KEPS (M4)
0211	M0267144	SCREW-MACH (M4)

Image 2

0012	20014101	CONTROL BOX
0022	20013701	CONTROL-DEFROST
0032	D6879831	CAPACITOR (M1)
0032	D6789033	CAPACITOR-METAL (M4)
0032	D6879841	CAPACITOR-ROUND (M2, M3)
0042	A9015203	LUG-GROUND
0052	11120302	XFRMR
0062	C6170002	CONTACTOR-30A
0072	A4568804	GROMMET-D (QTY AR)
0082	M0385305	SWITCH (M1, M2, M3)
0092	M0211016	SCREW-SM (QTY AR)
0102	10135601	RELAY (M1, M2, M3)
0122	M0216519	SCREW-SM (QTY AR)
0132	C6300502	STRAP-CAPACITOR (M1, M2, M3)
0132	C6300503	STRAP-CAPACITOR (M4)
0282	20156201	BARRIER-LOW VOLT

Expanded Model and Color Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C

Coils/Gasket

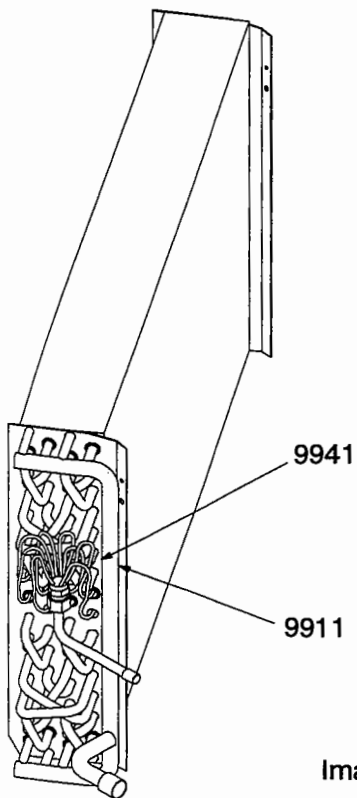


Image 1

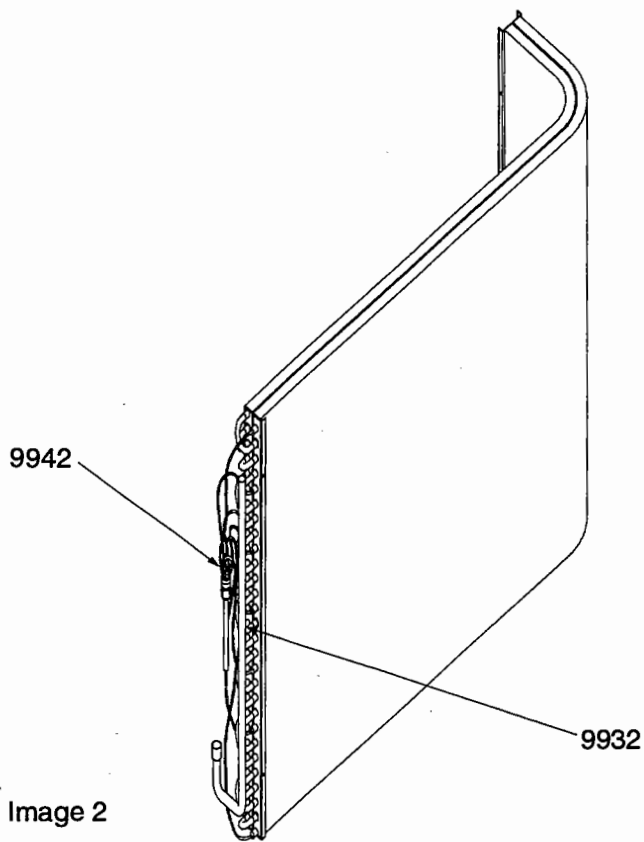
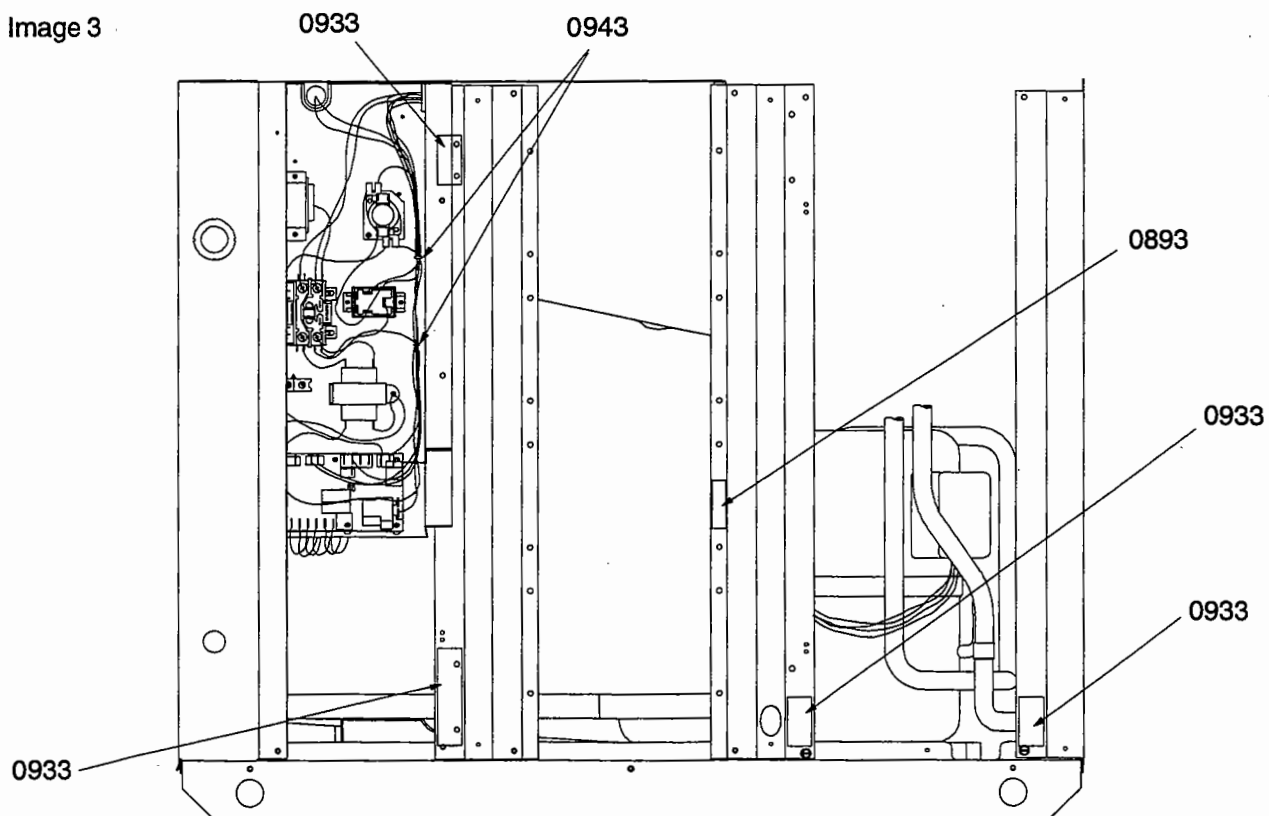


Image 2

Image 3



Coils/Gasket

Ref. Part
No: No: Description:

Ref. Part
No: No: Description:

Image 1

9911	20014802	MANIFOLD (M1)
9911	20014803	MANIFOLD (M2)
9911	20207301	MANIFOLD (M3, M4)
9941	11067520	DIST (M1)
9941	11067521	DIST ASSY (M2)
9941	11186504	DISTRIBUTOR (M3, M4)

Image 2

9932	20170001	MANIFOLD (M1, M2)
9932	20212301	MANIFOLD (M3, M4)
9942	11128018	DISTRIBUTOR (M2)
9942	11128020	DISTRIBUTOR (M1)
9942	11186503	DISTRIBUTOR (M3, M4)

Image 3

0893	10839807	GASKET-CROSS LINK (QTY AR)
0933	10839811	GASKET-CROSSLINK (QTY AR)
0943	M0321204	TIE-ELEC SM (QTY AR)

Expanded Model and Color Nomenclature

M1 - PHD24C02E	P1224301C
M2 - PHD30C02E	P1224302C
M3 - PHD36C02E	P1224303C
M4 - PHD42C02E	P1224304C

