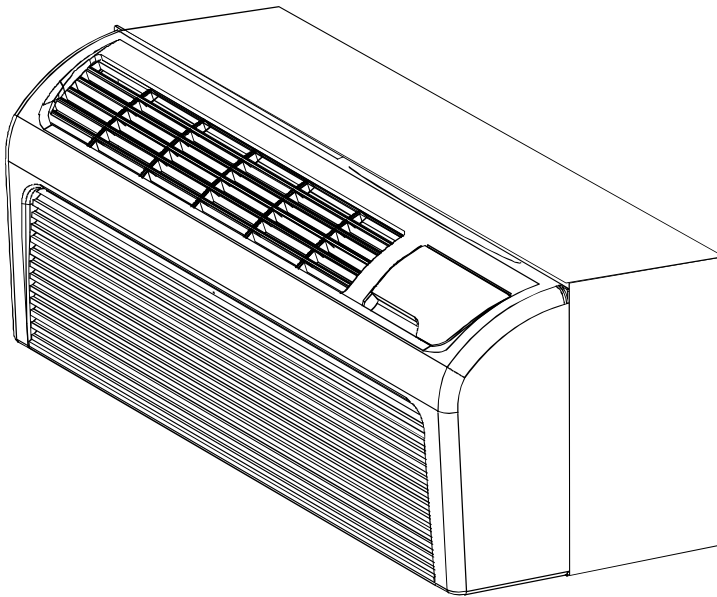


PTC*AH/K/LPackage Terminal Air Conditioners



Models and manufacturing
numbers in this manual

PTC073B00AK	P1255387R
PTC073B15AK	P1255391R
PTC073B25AK	P1255373R
PTC073B35AH	P1255353R
PTC073B35AK	P1255365R
PTC073B35AL	P1255393R
PTC074B35AH	P1255354R
PTC093B00AK	P1255388R
PTC093B25AK	P1255374R
PTC093B35AK	P1255366R
PTC093B50AK	P1255381R
PTC123B00AK	P1255389R
PTC123B25AK	P1255375R
PTC123B35AK	P1255367R
PTC123B50AK	P1255382R
PTC153B00AK	P1255390R
PTC153B25AK	P1255376R
PTC153B35AK	P1255371R
PTC153B50AK	P1255383R

Important Information

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

Revision 1: Adds MFG #s P1255365R, P1255366R, P1255367R, P1255371R, P1255373R, P1255374R, P1255375R, P1255376R, P1255381R, P1255382R, P1255383R, P1255387R, P1255388R, P1255389R, P1255390R, P1255391R, P1255393R. Rev. 2 changes capweld part # to 20284916

Updated 6-27-13: changed capillary weldment part # from 20289418 to 20284918 per SPE.

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	P _____
M2 - Model#2	P _____
M3 - Model#3	P _____

Goodman 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 Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Company, L.P., reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations. Amana® brand products are made proudly in the USA.

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

Consumer Affairs Department

Goodman 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 Company, L.P.

7401 Security Way

Houston, Texas 77040

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part No:	Description:	Part No:	Description:
		RP4210041	REPAIR PARTS MANUAL
D6789051	CAPACITOR (M5, M9, M12, M16)	RS4200003	SERVICE MANUAL
D6789049	CAPACITOR-POLY (M6, M10, M13, M17)		
D6789054	CAPACITOR-ROUND (M1, M3, M4, M7, M8, M11, M14, M15, M18, M19)		
D6789063	CAPACITOR-ROUND (M2)		
20289415	CAPILLARY WELDMENT (M1, M2, M3, M7, M14, M18, M19)		
20284918	CAPILLARY WELDMENT (M6, M10, M13, M17)		
20284917	CAPILLARY WELDMENT (M5, M9, M12, M16)		
20284916	CAPILLARY WELDMENT (M4, M8, M11, M15)		
D6926123	COMPRESSOR PN 2K21T236 (M6, M10, M13, M17)		
D6985807	COMPRESSOR-PN 2P17S3R236A (M5, M9, M12, M16)		
D6887711	COMPRESSOR-PN 2R13S3R236A (M4, M8, M11, M15)		
D6887715	COMPRESSOR-PN 2R9U236A6A (M1, M3, M7, M14, M18, M19)		
D6887716	COMPRESSOR-PN 2R9U276A6A (M2)		
20456602BND	CONDENSING ASSEMBLY (M5, M6, M9, M10, M12, M13, M16, M17)		
20466202BND	CONDENSING ASSEMBLY (M3, M7, M14, M18)		
20456603BND	CONDENSING ASSEMBLY (M1, M2, M4, M8, M11, M15, M19)		
20473902	EVAPORATOR ASSY (M3, M7, M14, M18)		
20457202	EVAPORATOR ASSY (M1, M2, M4, M5, M6, M8, M9, M10, M11, M12, M13, M15, M16, M17, M19)		
20414601	FAN-PL. COND.		
A3410403	FUSE-20A (M2)		
11116201	HTR 3 1.5KW ASSY (M18)		
20517901	HTR 3 2.5KW ASSY (M7, M8, M9, M10)		
20517902	HTR 3 3.5KW ASSY (M1, M3, M4, M5, M6, M19)		
20517903	HTR 3 5.0KW ASSY (M11, M12, M13)		
20517905	HTR 4 3.5KW ASSY (M2)		
20515201	MEMBRANE-(CONTROL)		
11114909	MOTOR-FAN (M5, M6, M9, M10, M11, M12, M13, M16, M17)		
11114908	MOTOR-FAN (M2)		
11114907	MOTOR-FAN (M1, M3, M4, M7, M8, M14, M15, M18, M19)		
20515101	PC BOARD		
20295706	THERMISTOR - INDOOR AMBIENT		
20295707	THERMISTOR - INDOOR COIL		
20295708	THERMISTOR-DISCHARGE		
20512501	TRANSFORMER		
11044101	WHEEL-BLOWER		
10618849	WIRE-JUMPER GN1		

SPECIAL PARTS

20517603	MANUAL-OWNERS (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)
20517601	MANUAL-OWNERS (M1, M2)

Front/Chassis

Image 1

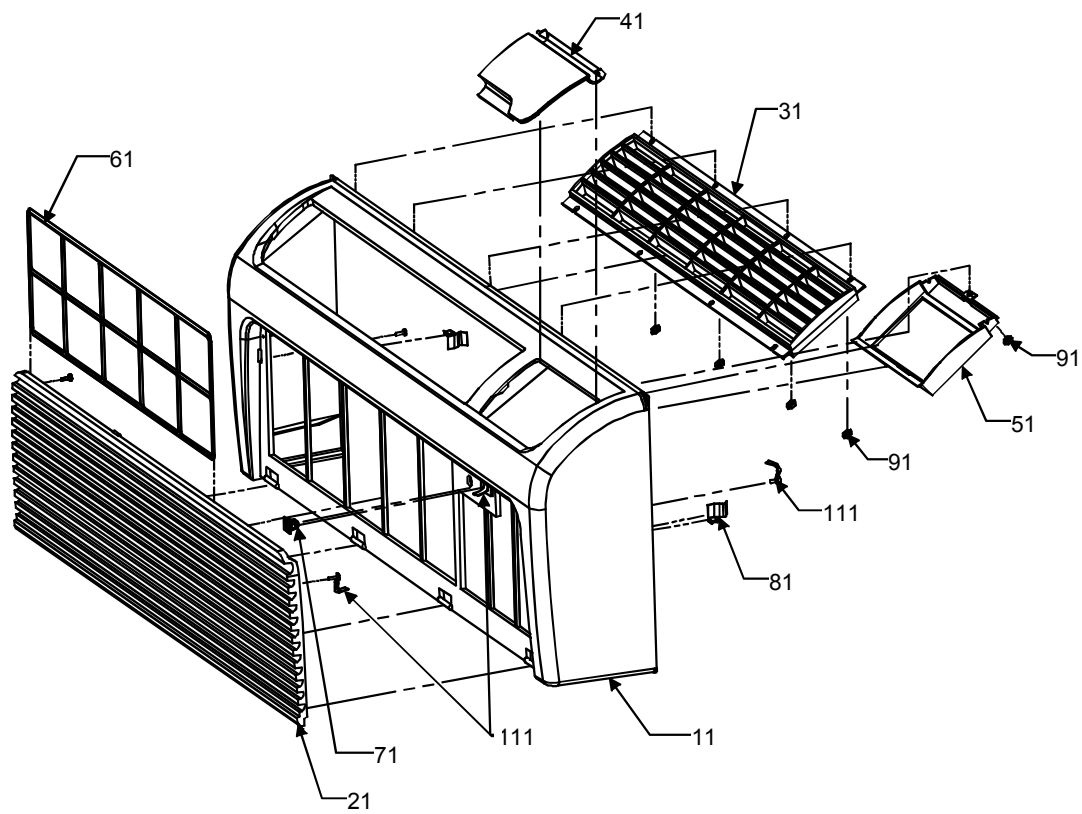
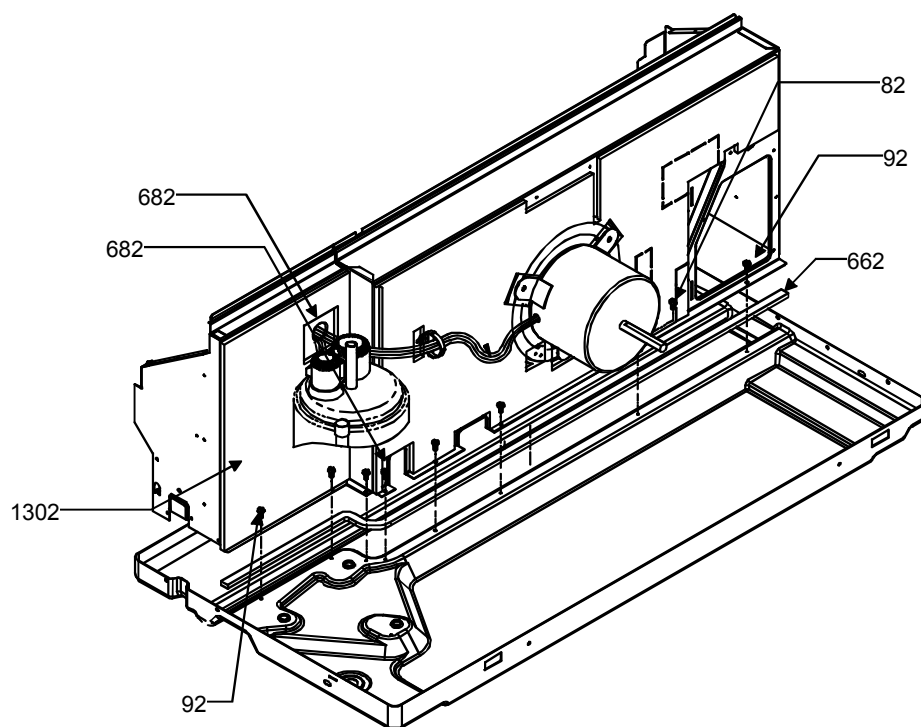


Image 2



Front/Chassis

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

11	20415203	FRONT
21	20415402	GRILLE-INTAKE
31	20415301	GRILLE-EXHAUST
41	20415901	DOOR
51	20415601	HOUSING,CONTROL
61	20415801	FILTER
71	10690002	DOOR CATCH ASSY
81	11045102	CLIP-SIDE (QTY 2)
91	M0293604	PALNUT (QTY 5)
111	20480501	RESTRAINT-INLET GRILL (QTY 2)

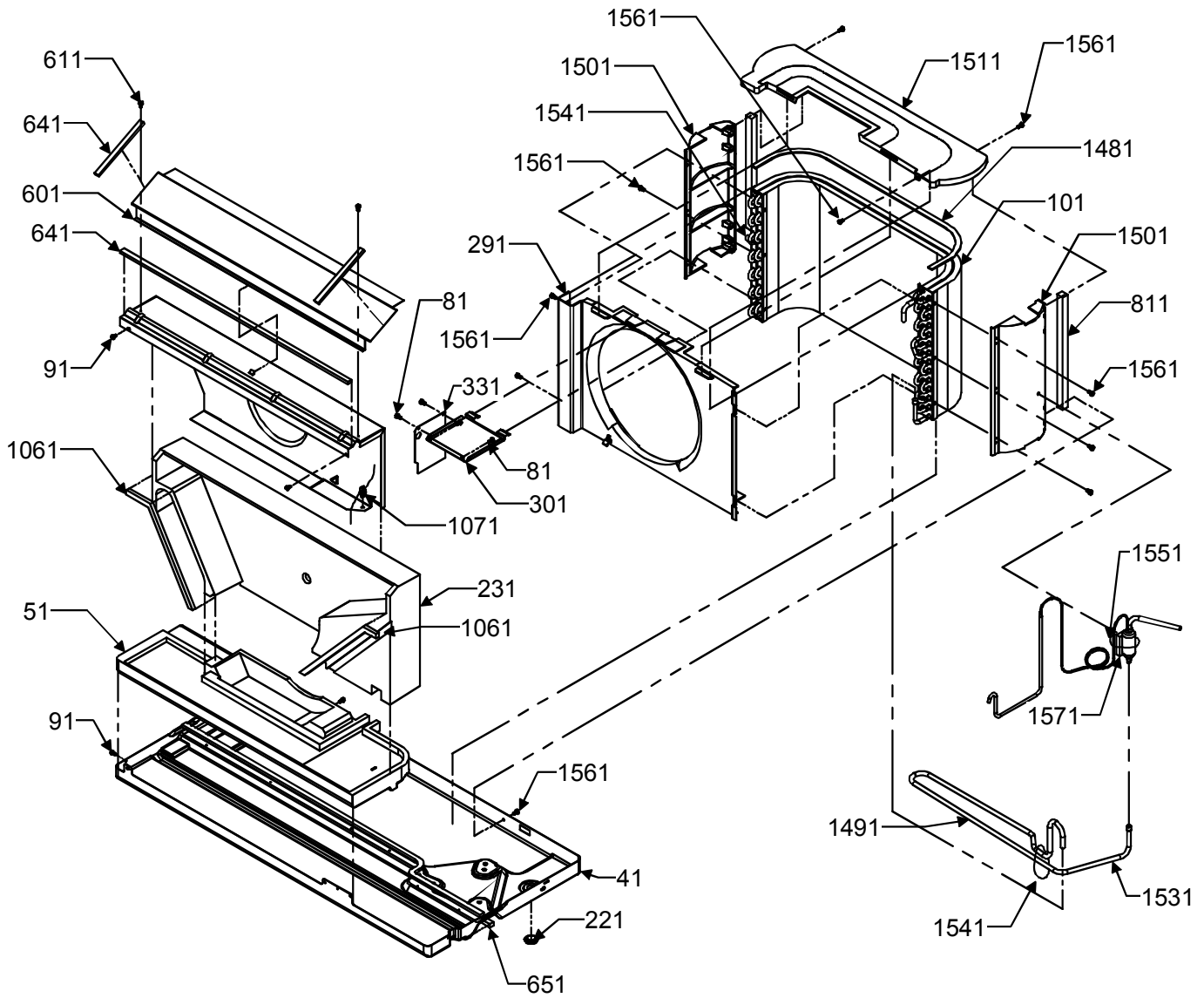
Image 2:

82	M0211216	SCREW-SM (QTY AR)
92	M0216716	SCREW-SM (QTY AR)
662	10839828	GASKET-.12X.50X43
682	M0275521	SEALER-PLASTIC (QTY 2)
1302	20417402	INSUL-PARTITION PANEL

Expanded Model Nomenclature

M1 - PTC073B35AH	P1255353R
M2 - PTC074B35AH	P1255354R
M3 - PTC073B35AK	P1255365R
M4 - PTC093B35AK	P1255366R
M5 - PTC123B35AK	P1255367R
M6 - PTC153B35AK	P1255371R
M7 - PTC073B25AK	P1255373R
M8 - PTC093B25AK	P1255374R
M9 - PTC123B25AK	P1255375R
M10 - PTC153B25AK	P1255376R
M11 - PTC093B50AK	P1255381R
M12 - PTC123B50AK	P1255382R
M13 - PTC153B50AK	P1255383R
M14 - PTC073B00AK	P1255387R
M15 - PTC093B00AK	P1255388R
M16 - PTC123B00AK	P1255389R
M17 - PTC153B00AK	P1255390R
M18 - PTC073B15AK	P1255391R
M19 - PTC073B35AL	P1255393R

Chassis



Chassis

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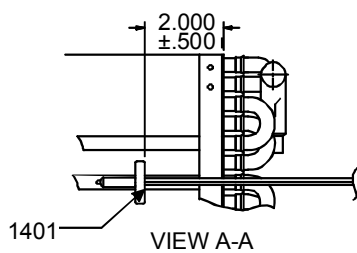
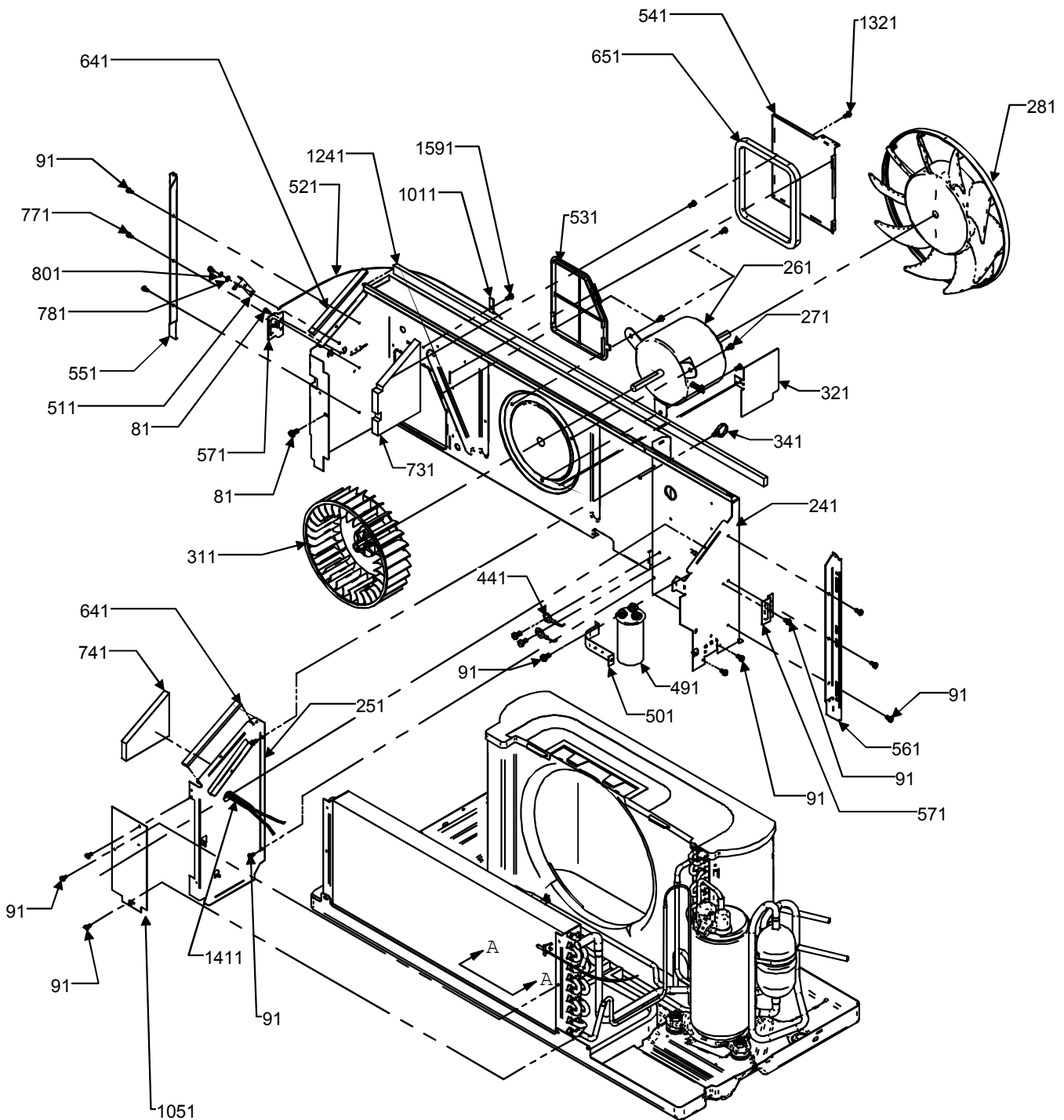
Image 1:

41	20403508	BASEPAN PNT
51	20403802	PAD-EVAPORATOR
81	M0211216	SCREW-SM (QTY AR)
91	M0216716	SCREW-SM (QTY AR)
101	20456602BND	CONDENSING ASSEMBLY (M5, M6, M9, M10, M12, M13, M16, M17)
101	20456603BND	CONDENSING ASSEMBLY (M1, M2, M4, M8, M11, M15, M19)
101	20466202BND	CONDENSING ASSEMBLY (M3, M7, M14, M18)
221	M0570805	PLUG-BUTTON
231	20356702	SCROLL-BLOWER
291	20401301	SHROUD-COND
301	11044201	BRACE-TIE
331	20417702	BAFFLE-TOP
601	11123911	SCREEN-PNT DISCH
611	M0204517	SCREW-SM STL ZINC (QTY 2)
641	20455902	GASKET .50X.25 (QTY 5)
651	10839808	GASKET-.37X.50 (QTY 5)
811	20455901	GASKET .62X.75 (QTY 2)
1061	10839706	GASKET .50X.50 (QTY 2)
1071	M0120801	CLIP-GUIDE
1481	10839812	GASKET-.12X.50 (QTY 2)
1491	20453901	TUBE-SUBCOOLER (M1, M2, M4, M5, M6, M8, M9, M10, M11, M12, M13, M15, M16, M17, M19)
1501	20357001	SIDE COVER-CONDENSER (QTY 2)
1511	20396701	TOP COVER-CONDENSER
1531	20477802	TUBE-V-SLIT (M1, M2, M4, M5, M6, M8, M9, M10, M11, M12, M13, M15, M16, M17, M19)
1541	M0321202	TIE-ELEC LG (QTY AR)
1551	M0322201	TIE-ELEC
1561	M0211018	SCREW-SM #8-5/8LG (QTY AR)
1571	10839827	GASKET-CUT

Expanded Model Nomenclature

M1 - PTC073B35AH	P1255353R
M2 - PTC074B35AH	P1255354R
M3 - PTC073B35AK	P1255365R
M4 - PTC093B35AK	P1255366R
M5 - PTC123B35AK	P1255367R
M6 - PTC153B35AK	P1255371R
M7 - PTC073B25AK	P1255373R
M8 - PTC093B25AK	P1255374R
M9 - PTC123B25AK	P1255375R
M10 - PTC153B25AK	P1255376R
M11 - PTC093B50AK	P1255381R
M12 - PTC123B50AK	P1255382R
M13 - PTC153B50AK	P1255383R
M14 - PTC073B00AK	P1255387R
M15 - PTC093B00AK	P1255388R
M16 - PTC123B00AK	P1255389R
M17 - PTC153B00AK	P1255390R
M18 - PTC073B15AK	P1255391R
M19 - PTC073B35AL	P1255393R

Chassis



Chassis

**Ref. Part
No: No:**

Description:

**Ref. Part
No: No:**

Description:

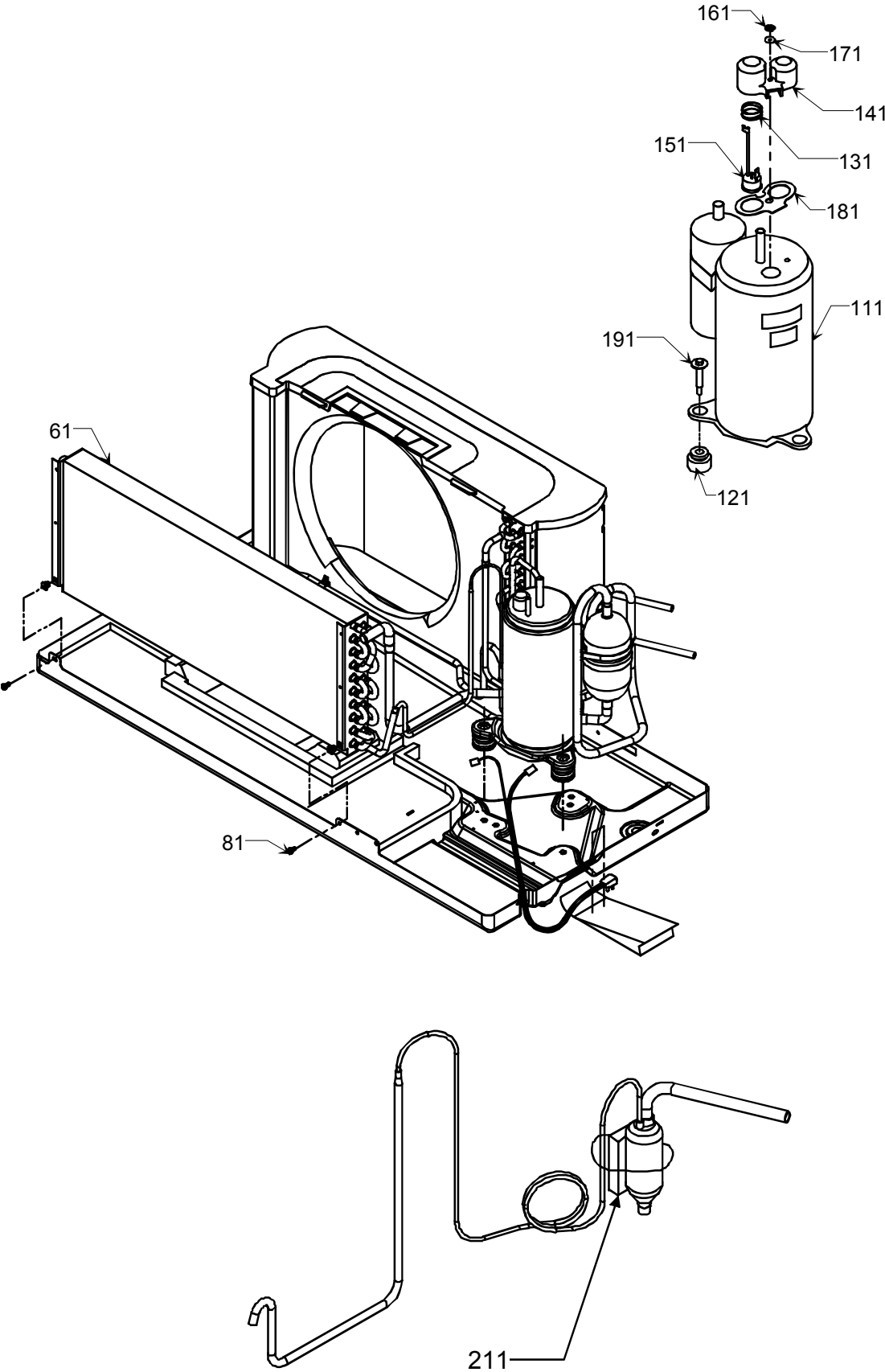
Image 1:

81	M0211216	SCREW-SM (QTY AR)
91	M0216716	SCREW-SM (QTY AR)
241	20403105	PANEL-PTN PNT
251	20403302	PANEL-MID PTN
261	11114907	MOTOR-FAN (M1, M3, M4, M7, M8, M14, M15, M18, M19)
261	11114908	MOTOR-FAN (M2)
261	11114909	MOTOR-FAN (M5, M6, M9, M10, M11, M12, M13, M16, M17)
271	M0224956	SCREW-TAP R (QTY 3)
281	20414601	FAN-PL. COND.
311	11044101	WHEEL-BLOWER
321	20480902	BAFFLE-COND INLT
341	M0118702	CLIP-GUIDE
441	M0227803	SCREW-TC (QTY 2)
491	D6789051	CAPACITOR (M5, M9, M12, M16)
491	D6789049	CAPACITOR-POLY (M6, M10, M13, M17)
491	D6789054	CAPACITOR-ROUND (M1, M3, M4, M7, M8, M11, M14, M15, M18, M19)
491	D6789063	CAPACITOR-ROUND (M2)
501	C6300502	STRAP-CAPACITOR
511	11046302	LEVER ARM
521	11115401	CABLE
531	20304003	SHIELD-PROTECTION
541	11046105	DOOR-VENT
551	20416201	SEAL-L SIDE
561	20416101	SEAL-R SIDE
571	11191703	BRKT-PART PAN (QTY 2)
641	20455902	GASKET .50X.25 (QTY 5)
651	10839808	GASKET-.37X.50 (QTY 5)
731	11122901	INSUL-LEFT
741	11123001	INSUL-RIGHT
771	M0220757	SCREW-SHLDR
781	M0273701	WASHER-SPRING
801	M0270529	WASHER-FLAT
1011	M0108103	CLAMP-TUBE
1051	20410801	COVER-ACCESS
1241	10839807	GASKET-.37X.75 (QTY 3)
1321	M0238833	SCREW-SHLDR
1401	20295706	THERMISTOR - INDOOR AMBIENT
1411	20295707	THERMISTOR - INDOOR COIL
1591	M0211016	SCREW-SM #8-3/8LG (QTY AR)

Expanded Model Nomenclature

M1 - PTC073B35AH	P1255353R
M2 - PTC074B35AH	P1255354R
M3 - PTC073B35AK	P1255365R
M4 - PTC093B35AK	P1255366R
M5 - PTC123B35AK	P1255367R
M6 - PTC153B35AK	P1255371R
M7 - PTC073B25AK	P1255373R
M8 - PTC093B25AK	P1255374R
M9 - PTC123B25AK	P1255375R
M10 - PTC153B25AK	P1255376R
M11 - PTC093B50AK	P1255381R
M12 - PTC123B50AK	P1255382R
M13 - PTC153B50AK	P1255383R
M14 - PTC073B00AK	P1255387R
M15 - PTC093B00AK	P1255388R
M16 - PTC123B00AK	P1255389R
M17 - PTC153B00AK	P1255390R
M18 - PTC073B15AK	P1255391R
M19 - PTC073B35AL	P1255393R

Compressor



Compressor

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>			
61	20457202		EVAPORATOR ASSY (M1, M2, M4, M5, M6, M8, M9, M10, M11, M12, M13, M15, M16, M17, M19)
61	20473902		EVAPORATOR ASSY (M3, M7, M14, M18)
81	M0211216		SCREW-SM (QTY AR)
111	D6926123		COMPRESSOR PN 2K21T236 (M6, M10, M13, M17)
111	D6985807		COMPRESSOR-PN 2P17S3R236A (M5, M9, M12, M16)
111	D6887711		COMPRESSOR-PN 2R13S3R236A (M4, M8, M11, M15)
111	D6887715		COMPRESSOR-PN 2R9U236A6A (M1, M3, M7, M14, M18, M19)
111	D6887716		COMPRESSOR-PN 2R9U276A6A (M2)
121	A3448602		GROMMET (M5, M6, M9, M10, M12, M13, M16, M17)
121	A4622801		GROMMET (M1, M2, M3, M4, M7, M8, M11, M14, M15, M18, M19)
131	A3436901		SPRING-OVERLOAD (M1, M2, M3, M4, M5, M7, M8, M9, M11, M12, M14, M15, M16, M18, M19)
141	10329001		COVER-TERM
151	D6961612		OVERLOAD (M5, M9, M12, M16)
151	D6961636		OVERLOAD (M1, M3, M7, M14, M18, M19)
151	D6961637		OVERLOAD (M2)
151	D6961639		OVERLOAD (M4, M8, M11, M15)
161	A3436601		NUT-TERM COVER
171	A3436801		GASKET-NUT
181	A3436701		GASKET-TERM COVER
191	M0253610		SCREW-SHLDR (M5, M6, M9, M10, M12, M13, M16, M17)
191	M0253661		SCREW-SHLDR (M1, M2, M3, M4, M7, M8, M11, M14, M15, M18, M19)
211	20284916		CAPILLARY WELDMENT (M4, M8, M11, M15)
211	20284917		CAPILLARY WELDMENT (M5, M9, M12, M16)
211	20284918		CAPILLARY WELDMENT (M6, M10, M13, M17)
211	20289415		CAPILLARY WELDMENT (M1, M2, M3, M7, M14, M18, M19)

Expanded Model Nomenclature

M1 - PTC073B35AH	P1255353R
M2 - PTC074B35AH	P1255354R
M3 - PTC073B35AK	P1255365R
M4 - PTC093B35AK	P1255366R
M5 - PTC123B35AK	P1255367R
M6 - PTC153B35AK	P1255371R
M7 - PTC073B25AK	P1255373R
M8 - PTC093B25AK	P1255374R
M9 - PTC123B25AK	P1255375R
M10 - PTC153B25AK	P1255376R
M11 - PTC093B50AK	P1255381R
M12 - PTC123B50AK	P1255382R
M13 - PTC153B50AK	P1255383R
M14 - PTC073B00AK	P1255387R
M15 - PTC093B00AK	P1255388R
M16 - PTC123B00AK	P1255389R
M17 - PTC153B00AK	P1255390R
M18 - PTC073B15AK	P1255391R
M19 - PTC073B35AL	P1255393R

Heater/Fuse/Cord

Image 1

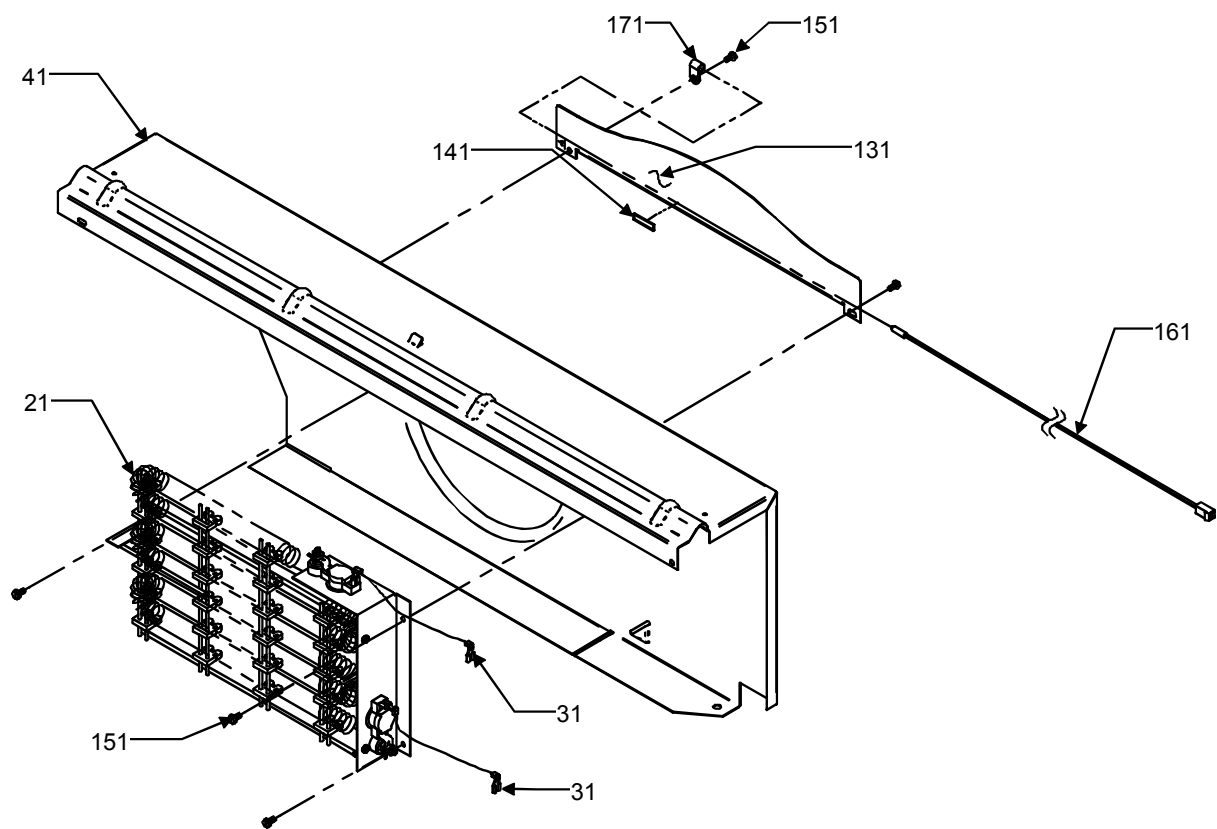
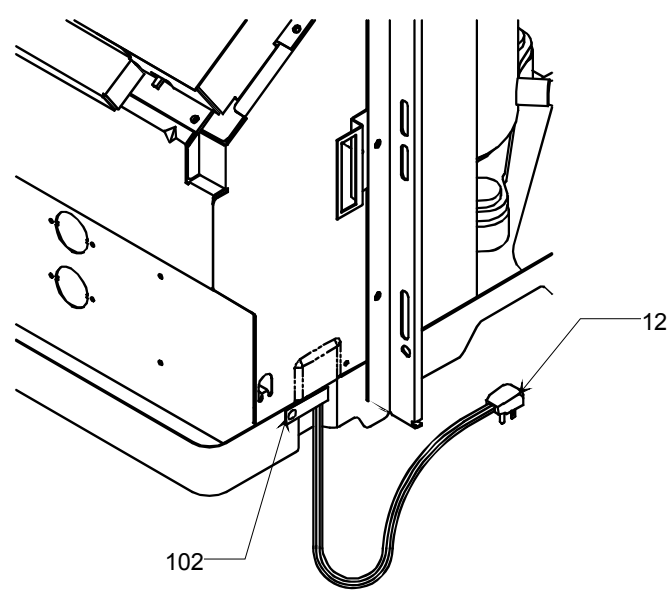


Image 2



Heater/Fuse/Cord

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

21	11116201	HTR 3 1.5KW ASSY (M18)
21	20517901	HTR 3 2.5KW ASSY (M7, M8, M9, M10)
21	20517902	HTR 3 3.5KW ASSY (M1, M3, M4, M5, M6, M19)
21	20517903	HTR 3 5.0KW ASSY (M11, M12, M13)
21	20517905	HTR 4 3.5KW ASSY (M2)
31	20260805	WIRE-JUMPER BR34 (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M18, M19)
41	20364801	INTAKE-BLOWER (M1, M2)
41	20364804	INTAKE-BLOWER (M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19)
131	20515302	BLOWER-INT PNT
141	10839722	GASKET .25X.06
151	M0216529	SCREW-SM
161	20295708	THERMISTOR-DISCHARGE
171	BT1392310	PLASTIC CLAMP, .187

Image 2:

12	22309901	CORD-230V 15AMP (M7, M8, M9, M10, M14, M15, M16, M17, M18)
12	22309902	CORD-230V 20AMP (M3, M4, M5, M6, M19)
12	22309903	CORD-230V 30AMP (M11, M12, M13)
12	11114501	CORD-250V 20A (M1)
12	11114701	CORD-277V-20A (M2)
62	C6476002	HOLDER-BAYONET FUSE (M2)
72	A3410403	FUSE-20A (M2)
82	M0213817	SCREW-SM (M2)
92	10618850	WIRE-JUMPER BK18 (M2)
102	M0103905	CLAMP-SPEED (M18)
102	M0103906	CLAMP-SPEED (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M19)

Expanded Model Nomenclature

M1 - PTC073B35AH	P1255353R
M2 - PTC074B35AH	P1255354R
M3 - PTC073B35AK	P1255365R
M4 - PTC093B35AK	P1255366R
M5 - PTC123B35AK	P1255367R
M6 - PTC153B35AK	P1255371R
M7 - PTC073B25AK	P1255373R
M8 - PTC093B25AK	P1255374R
M9 - PTC123B25AK	P1255375R
M10 - PTC153B25AK	P1255376R
M11 - PTC093B50AK	P1255381R
M12 - PTC123B50AK	P1255382R
M13 - PTC153B50AK	P1255383R
M14 - PTC073B00AK	P1255387R
M15 - PTC093B00AK	P1255388R
M16 - PTC123B00AK	P1255389R
M17 - PTC153B00AK	P1255390R
M18 - PTC073B15AK	P1255391R
M19 - PTC073B35AL	P1255393R

Control Panel

Image 1

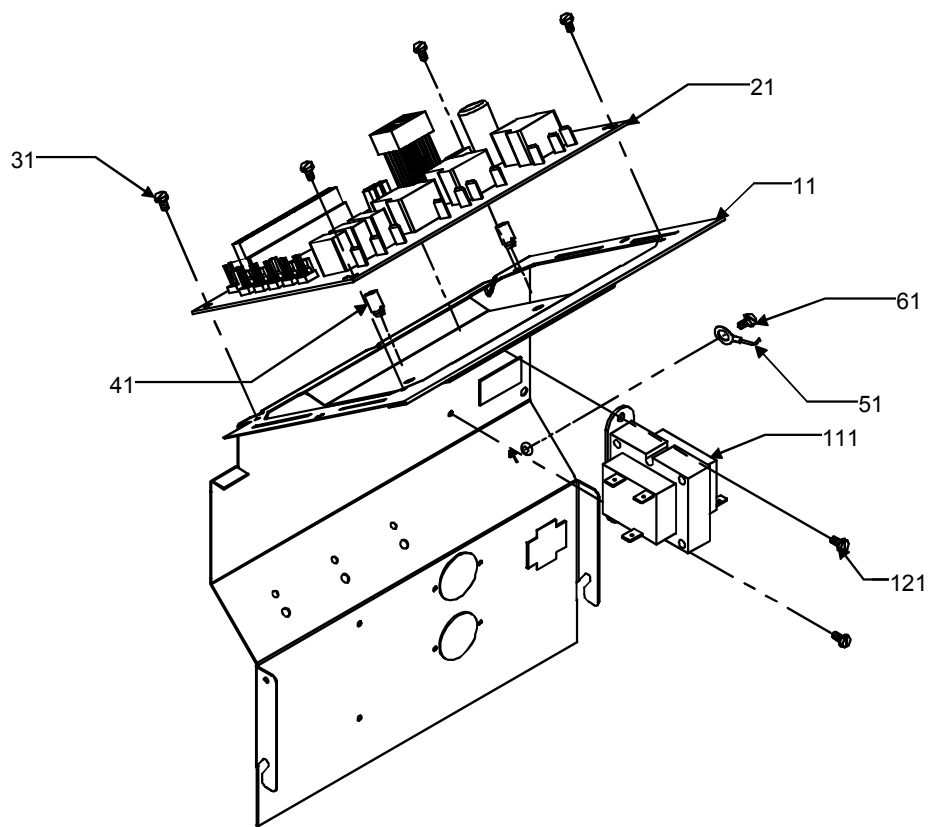
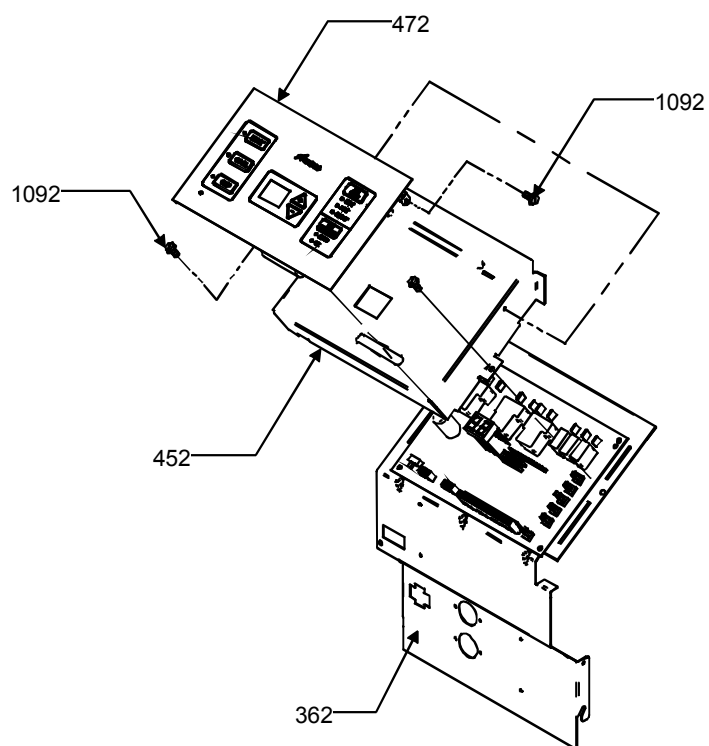


Image 2



Control Panel

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

11	11044505	PANEL - CONTROL
21	20515101	PC BOARD
31	M0216529	SCREW-SM (QTY 4)
41	M0590702	SUPPORT (QTY 2)
51	10618849	WIRE-JUMPER GN1
61	M0227803	SCREW-TC
111	20512501	TRANSFORMER
121	M0216716	SCREW-SM (QTY 2)

Image 2:

452	20514901	COVER-CONT PNL
472	20515201	MEMBRANE-(CONTROL)
1092	M0216529	SCREW-SM (QTY AR)

Expanded Model Nomenclature

M1 - PTC073B35AH	P1255353R
M2 - PTC074B35AH	P1255354R
M3 - PTC073B35AK	P1255365R
M4 - PTC093B35AK	P1255366R
M5 - PTC123B35AK	P1255367R
M6 - PTC153B35AK	P1255371R
M7 - PTC073B25AK	P1255373R
M8 - PTC093B25AK	P1255374R
M9 - PTC123B25AK	P1255375R
M10 - PTC153B25AK	P1255376R
M11 - PTC093B50AK	P1255381R
M12 - PTC123B50AK	P1255382R
M13 - PTC153B50AK	P1255383R
M14 - PTC073B00AK	P1255387R
M15 - PTC093B00AK	P1255388R
M16 - PTC123B00AK	P1255389R
M17 - PTC153B00AK	P1255390R
M18 - PTC073B15AK	P1255391R
M19 - PTC073B35AL	P1255393R