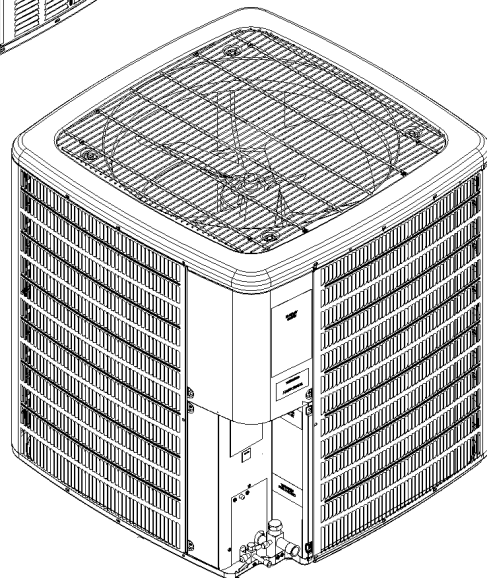
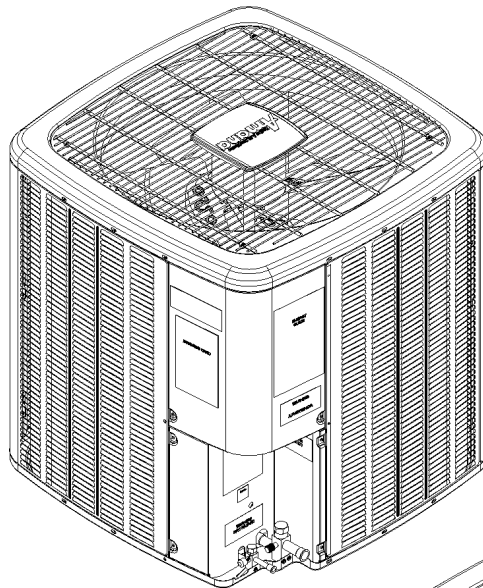


ASZ 14 SEER R410A Remote Heat Pump Unit

ASZ140181AA
ASZ140181AB
ASZ140181AC
ASZ140181AD
ASZ140241AA
ASZ140241AB
ASZ140241AC
ASZ140241AD
ASZ140241AE
ASZ140301AA
ASZ140301AB
ASZ140301AC
ASZ140301AD
ASZ140301AE
ASZ140361AA
ASZ140361AB
ASZ140361AC
ASZ140361AD
ASZ140361AE
ASZ140421AA
ASZ140421AB
ASZ140421AC
ASZ140481AA
ASZ140481AB
ASZ140481AC
ASZ140601AA
ASZ140601AB
ASZ140601AC



Amana is a trademark of Maytag Corporation and used under license to Goodman Company, L.P. All rights reserved.

This manual is to be used by qualified technicians only.

This manual replaces RP-397D.

© 2006-2008 Goodman Company, L.P. ♦ 5151 San Felipe, Suite 500 ♦ Houston, TX 77056

Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 9

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

This system uses R410A refrigerant. If sealed system work is required, use approved equipment and follow service procedures. Refer to Service Manual or Installation Instructions for service procedures.

Rev. E: Added models ASZ140181AD, ASZ140241AE, ASZ140301AE, ASZ140361AE.

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 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.

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:

CAP050300370RSS	CAPACITOR 5/30/370V (M1, M2, M3, M4)
CAP050400370RSS	CAPACITOR 5/40/370V [CONTROL BOX] (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
CAP050450370RSS	CAPACITOR 5/45/370V [CONTROL BOX] (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25)
CAP050700370RTS	CAPACITOR 5/70/370V (M26, M27, M28)
543001200	COMFORT ALERT MODULE
ZP16K5EPFV830	COMPRESSOR 15500, 208/230/60/1 (M1, M2, M3, M4)
ZP21K5EPFV830	COMPRESSOR 21300, 208/230/60/1 (M5, M6, M7, M8, M9)
ZP25K5EPFV830	COMPRESSOR 25200, 208/230/60/1 (M10, M11, M12, M13, M14)
ZP32K3EPFV930	COMPRESSOR 31100, 208/230/60/1 (M15, M16, M17, M18, M19)
ZP34K5EPFV830	COMPRESSOR 34500, 208/230/60/1 (M20, M21, M22)
ZP39K5EPFV830	COMPRESSOR 39000, 208/230/60/1 (M23, M24, M25)
ZP51K5EPFV830	COMPRESSOR 51000, 208/230/60/1 (M26, M27, M28)
0131M00027	COND MOTOR 1/12 HP, 2 SP, 8 PL (M1, M2, M3, M4)
0131M00015PS	COND MOTOR 1/4 HP, 2 SP, 8 PL (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
0131M00013PS	COND MOTOR 1/6 HP, 2 SP, 8 PL (M10, M11, M12, M13, M14)
0131M00017PS	COND MOTOR 1/6 HP, 2 SP, 8 PL (M5, M6, M7, M8, M9)
CONT1P030024VS	CONTACTOR 30 AMP, 1P, 24V (M23, M24, M25, M26, M27, M28)
CONT2P030024VS	CONTACTOR 30 AMP, 2P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)
20322603	CUT-OUT SWITCH, HIGH PRESSURE
0130R00001	CUT-OUT SWITCH, LOW PRESSURE
PCBDM101S	DEFROST CONTROL BOARD
B1370803	DEFROST THERMOSTAT
10135604	RELAY

SPECIAL PARTS

0161R00008P	AMANA LOGO CAP
0161R00014	AMANA NAMEPLATE (M1, M2, M5, M6, M10, M11, M15, M16, M20, M21, M23, M24, M26, M27)
0161R00010P	AMANA NAMEPLATE (M3, M4, M7, M8, M9, M12, M13, M14, M17, M18, M19, M22, M25, M28)

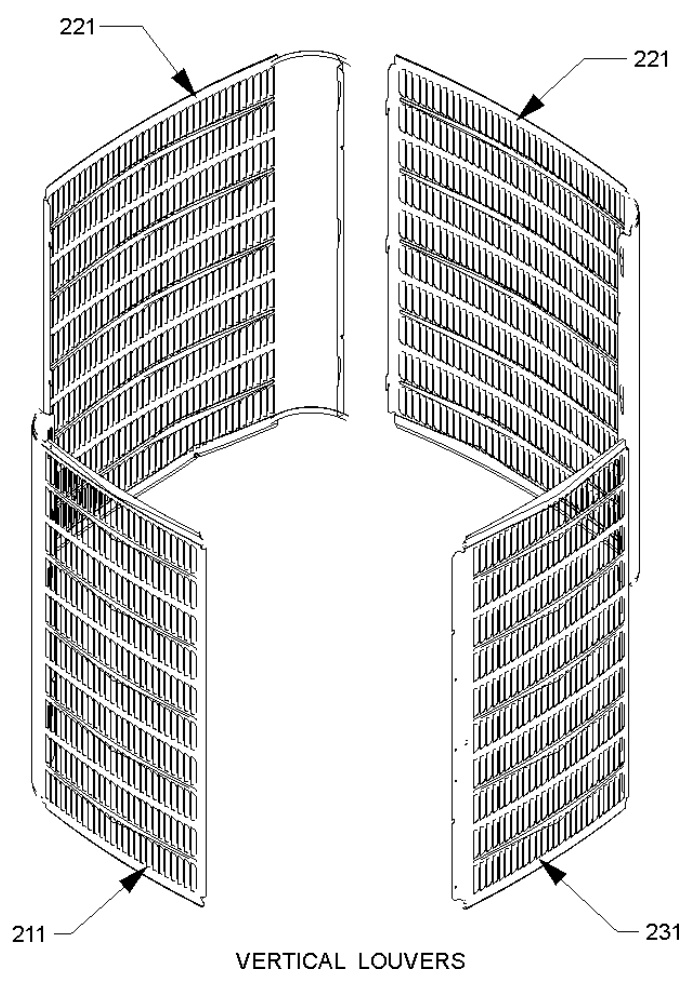
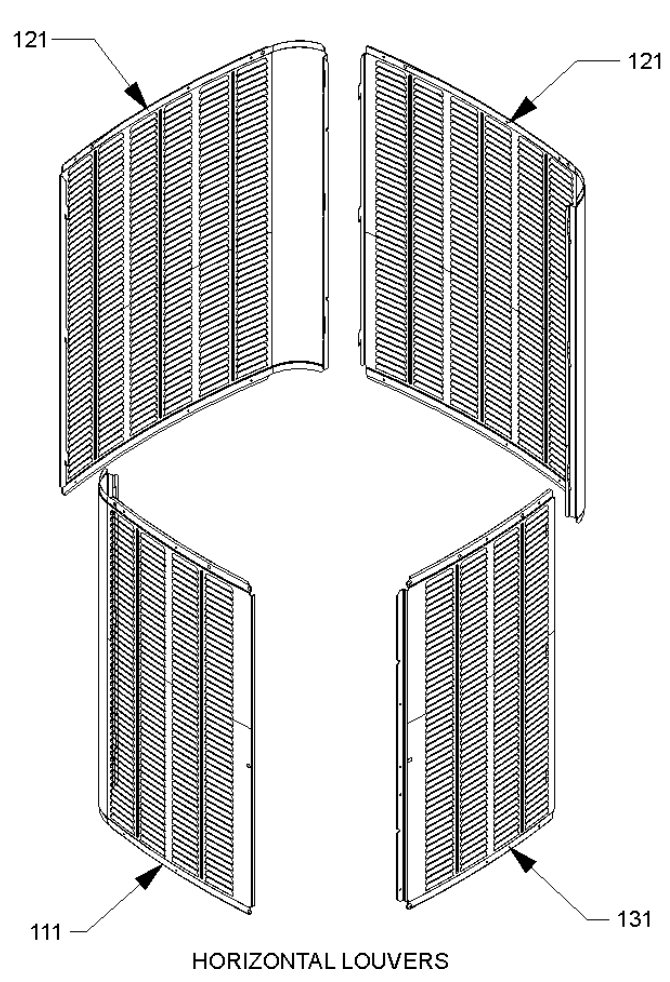
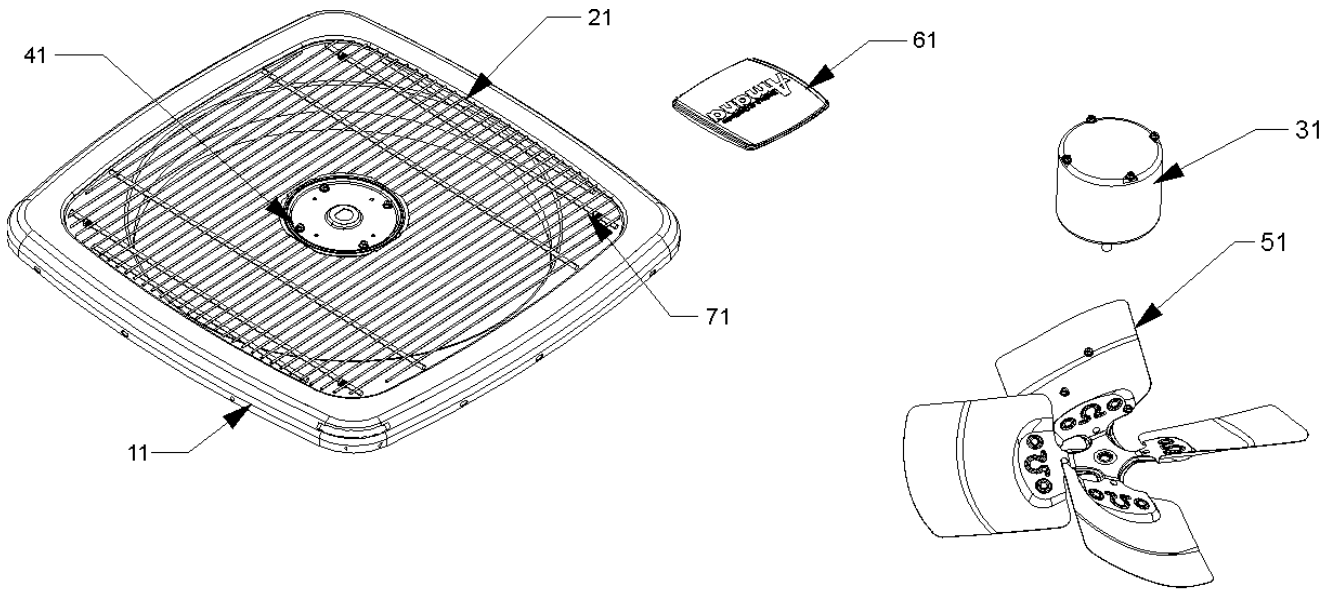
IO-259F INSTALLATION INSTRUCTIONS (M2, M3, M4, M6, M7, M8, M9, M11, M12, M13, M14, M16, M17, M18, M19, M21, M22, M24, M25, M27, M28)

RP-397E REPAIR PARTS MANUAL

Expanded Model Nomenclature

M1 - ASZ140181AA
M2 - ASZ140181AB
M3 - ASZ140181AC
M4 - ASZ140181AD
M5 - ASZ140241AA
M6 - ASZ140241AB
M7 - ASZ140241AC
M8 - ASZ140241AD
M9 - ASZ140241AE
M10 - ASZ140301AA
M11 - ASZ140301AB
M12 - ASZ140301AC
M13 - ASZ140301AD
M14 - ASZ140301AE
M15 - ASZ140361AA
M16 - ASZ140361AB
M17 - ASZ140361AC
M18 - ASZ140361AD
M19 - ASZ140361AE
M20 - ASZ140421AA
M21 - ASZ140421AB
M22 - ASZ140421AC
M23 - ASZ140481AA
M24 - ASZ140481AB
M25 - ASZ140481AC
M26 - ASZ140601AA
M27 - ASZ140601AB
M28 - ASZ140601AC

Cabinet Top/Side Panels



Cabinet Top/Side Panels

Ref. Part No:	Description:	Ref. Part No:	Description:
<i>Image 1:</i>		<i>Image 1:</i>	
11	0121R00011PDG VENTURI TOP PANEL 29" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)	211	0121R00043PLGB LOUVERED SIDE PANEL-VERTICAL (M15, M16, M20, M21, M26, M27)
11	0121R00013PDG VENTURI TOP PANEL 35" (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	221	0121R00031PLGB LOUVERED SIDE PANEL-VERTICAL (M2)
21	0152R00008 WIRE GRILL 29" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)	221	0121R00033PLGB LOUVERED SIDE PANEL-VERTICAL (M6, M11)
21	0152R00009 WIRE GRILL 35" (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	221	0121R00046PLGB LOUVERED SIDE PANEL-VERTICAL (M24)
31	0131M00027 COND MOTOR 1/12 HP, 2 SP, 8 PL (M1, M2, M3, M4)	221	0121R00047PLGB LOUVERED SIDE PANEL-VERTICAL (M16, M21, M27)
31	0131M00015PS COND MOTOR 1/4 HP, 2 SP, 8 PL (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	231	0121R00037PLG LOUVERED SIDE PANEL-VERTICAL (M1, M2)
31	0131M00013PS COND MOTOR 1/6 HP, 2 SP, 8 PL (M10, M11, M12, M13, M14)	231	0121R00039PLG LOUVERED SIDE PANEL-VERTICAL (M5, M6, M10, M11)
31	0131M00017PS COND MOTOR 1/6 HP, 2 SP, 8 PL (M5, M6, M7, M8, M9)	231	0121R00050PLG LOUVERED SIDE PANEL-VERTICAL (M23, M24)
41	M0280801 HEX NUT (QTY 4)	231	0121R00051PLG LOUVERED SIDE PANEL-VERTICAL (M15, M16, M20, M21, M26, M27)
51	10625737S FAN BLADE 22" ALUM CCW (M1, M2, M3, M4)	NS	0161R00010P AMANA NAMEPLATE (M3, M4, M7, M8, M9, M12, M13, M14, M17, M18, M19, M22, M25, M28)
51	0150M00008S FAN BLADE 22" TNT2203-25 (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)	NS	0161R00014 AMANA NAMEPLATE (M1, M2, M5, M6, M10, M11, M15, M16, M20, M21, M23, M24, M26, M27)
51	10625738S FAN BLADE 26" ALUM CCW (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	NS	0161R00002P CONDUIT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)
61	0161R00008P AMANA LOGO CAP	NS	0161R00004P CONDUIT (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)
71	0163M00003P SCREW #10 X 1/2, A, SLOT, SR, BLACK (M2, M3, M4, M6, M7, M8, M9, M11, M12, M13, M14, M16, M17, M18, M19, M21, M22, M24, M25, M27, M28)	Expanded Model Nomenclature	
71	B1393530 SCREW HWH, 10 X 1/2, A, YZD, SLOT, SR (M1, M5, M10, M15, M20, M23, M26)	M1 - ASZ140181AA M2 - ASZ140181AB M3 - ASZ140181AC M4 - ASZ140181AD M5 - ASZ140241AA M6 - ASZ140241AB M7 - ASZ140241AC M8 - ASZ140241AD M9 - ASZ140241AE M10 - ASZ140301AA M11 - ASZ140301AB M12 - ASZ140301AC M13 - ASZ140301AD M14 - ASZ140301AE M15 - ASZ140361AA M16 - ASZ140361AB M17 - ASZ140361AC M18 - ASZ140361AD M19 - ASZ140361AE M20 - ASZ140421AA M21 - ASZ140421AB M22 - ASZ140421AC M23 - ASZ140481AA M24 - ASZ140481AB M25 - ASZ140481AC M26 - ASZ140601AA M27 - ASZ140601AB M28 - ASZ140601AC	
111	4400137PLG LOUVERED SIDE PANEL-HORIZONTAL (M23)		
111	4400457PLGB LOUVERED SIDE PANEL-HORIZONTAL (M3, M4)		
111	4400458PLGB LOUVERED SIDE PANEL-HORIZONTAL (M7, M8, M9, M12, M13, M14)		
111	4400463PLG LOUVERED SIDE PANEL-HORIZONTAL (M25)		
111	4400464PLGB LOUVERED SIDE PANEL-HORIZONTAL (M17, M18, M19, M22, M28)		
121	4400132PLG LOUVERED SIDE PANEL-HORIZONTAL (M1)		
121	4400133PLG LOUVERED SIDE PANEL-HORIZONTAL (M5, M10)		
121	4400139PLG LOUVERED SIDE PANEL-HORIZONTAL (M23)		
121	4400140PLG LOUVERED SIDE PANEL-HORIZONTAL (M15, M20, M26)		
121	4400459PLGB LOUVERED SIDE PANEL-HORIZONTAL (M3, M4)		
121	4400460PLGB LOUVERED SIDE PANEL-HORIZONTAL (M7, M8, M9, M12, M13, M14)		
121	4400465PLGB LOUVERED SIDE PANEL-HORIZONTAL (M25)		
121	4400466PLGB LOUVERED SIDE PANEL-HORIZONTAL (M17, M18, M19, M22, M28)		
131	4400461PLG LOUVERED SIDE PANEL-HORIZONTAL (M3, M4)		
131	4400462PLG LOUVERED SIDE PANEL-HORIZONTAL (M7, M8, M9, M12, M13, M14)		
131	4400467PLG LOUVERED SIDE PANEL-HORIZONTAL (M25)		
131	4400468PLG LOUVERED SIDE PANEL-HORIZONTAL (M17, M18, M19, M22, M28)		
211	0121R00025PLGB LOUVERED SIDE PANEL-VERTICAL (M1, M2)		
211	0121R00027PLGB LOUVERED SIDE PANEL-VERTICAL (M5, M6, M10, M11)		
211	0121R00042PLGB LOUVERED SIDE PANEL-VERTICAL (M24)		

Control & Access Panel/Cover/Cond Coil

Image 1

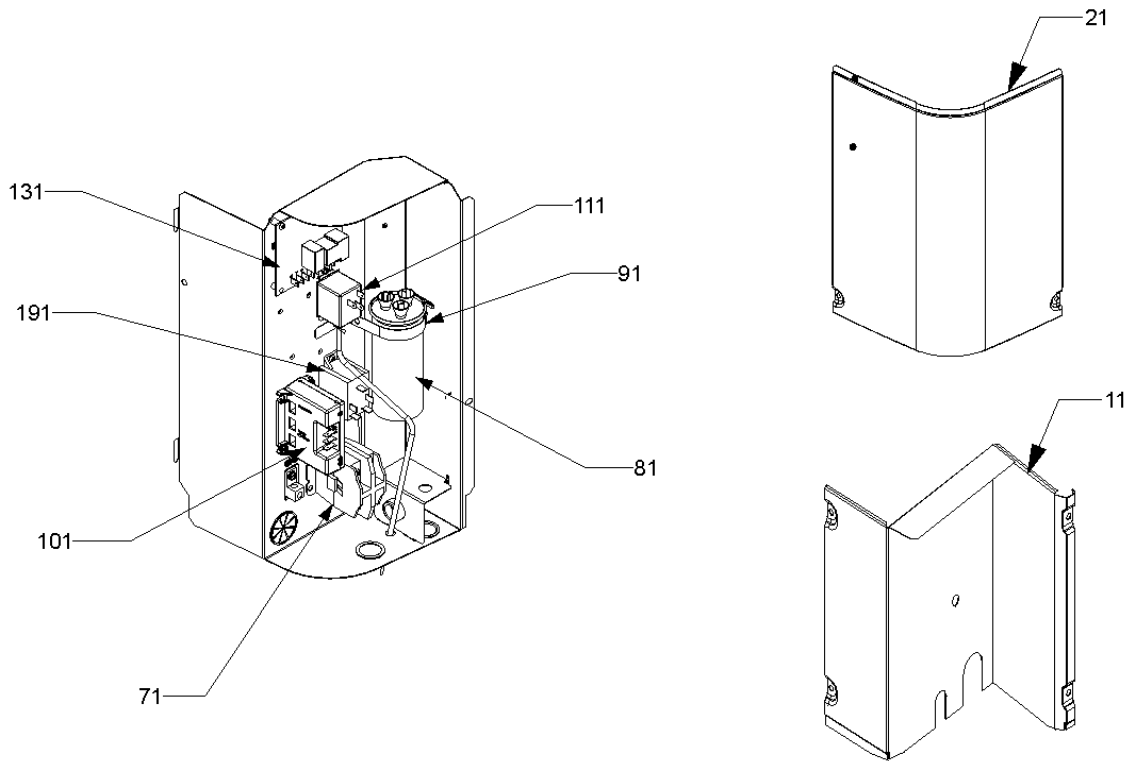
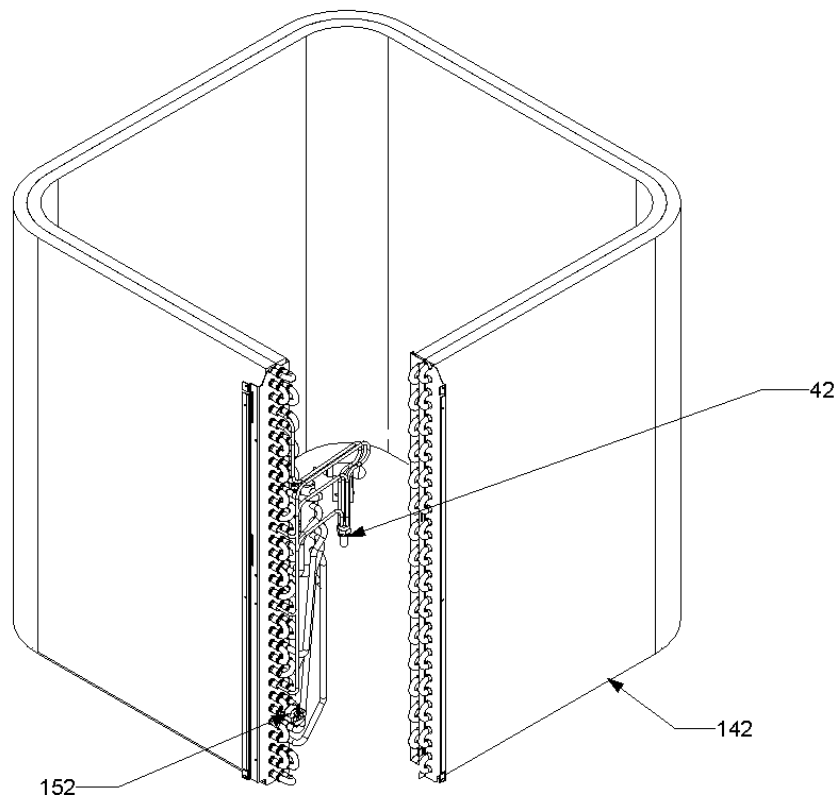


Image 2



Control & Access Panel/Cover/Cond Coil

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1: Control Cover/Access & Control Panel</i>		<i>Expanded Model Nomenclature</i>	
11	4400202PDG LOWER ACCESS PANEL (M1, M2, M3, M4, M23, M24, M25)	M1 - ASZ140181AA	
11	4400205PDG LOWER ACCESS PANEL (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22, M26, M27, M28)	M2 - ASZ140181AB	
21	0121R00053PDG CONTROL COVER	M3 - ASZ140181AC	
71	CONT1P030024VS CONTACTOR 30 AMP, 1P, 24V (M23, M24, M25, M26, M27, M28)	M4 - ASZ140181AD	
71	CONT2P030024VS CONTACTOR 30 AMP, 2P, 24V (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18, M19, M20, M21, M22)	M5 - ASZ140241AA	
81	CAP050300370RSS CAPACITOR 5/30/370V (M1, M2, M3, M4)	M6 - ASZ140241AB	
81	CAP050400370RSS CAPACITOR 5/40/370V [CONTROL BOX] (M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)	M7 - ASZ140241AC	
81	CAP050450370RSS CAPACITOR 5/45/370V [CONTROL BOX] (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25)	M8 - ASZ140241AD	
81	CAP050700370RTS CAPACITOR 5/70/370V (M26, M27, M28)	M9 - ASZ140241AE	
91	4400065 CAPACITOR STRAP	M10 - ASZ140301AA	
101	543001200 COMFORT ALERT MODULE	M11 - ASZ140301AB	
111	0130M00011P LOW AMBIENT THERMOSTAT, SPDT	M12 - ASZ140301AC	
131	PCBDM101S DEFROST CONTROL BOARD	M13 - ASZ140301AD	
191	10135604 RELAY	M14 - ASZ140301AE	
<i>Image 2: Cond Coil</i>		M15 - ASZ140361AA	
42	0162M00027 FLOWRATOR (M15, M16, M17, M18, M20, M21, M22, M26, M27, M28)	M16 - ASZ140361AB	
42	0162M00036 FLOWRATOR (M23, M24, M25)	M17 - ASZ140361AC	
42	0162M00024 FLOWRATOR .041 (M1, M2, M3, M4)	M18 - ASZ140361AD	
42	0162M00033 FLOWRATOR .047 (M5, M6, M7, M8, M9)	M19 - ASZ140361AE	
42	0162M00035 FLOWRATOR .053 (M10, M11, M12, M13, M14)	M20 - ASZ140421AA	
42	0162M00087 FLOWRATOR .053 (M19)	M21 - ASZ140421AB	
142	0201R00060S TUBING ASSY, COND COIL (M23, M24, M25)	M22 - ASZ140421AC	
142	0201R00061S TUBING ASSY, COND COIL (M5, M6, M7, M8, M9)	M23 - ASZ140481AA	
142	0201R00062S TUBING ASSY, COND COIL (M10, M11, M12, M13, M14)	M24 - ASZ140481AB	
142	0201R00071S TUBING ASSY, COND COIL (M1, M2, M3, M4)	M25 - ASZ140481AC	
142	0201R00072S TUBING ASSY, COND COIL (M15, M16, M17, M18, M19, M20, M21, M22)	M26 - ASZ140601AA	
142	0201R00073S TUBING ASSY, COND COIL (M26, M27, M28)	M27 - ASZ140601AB	
152	B1370803 DEFROST THERMOSTAT	M28 - ASZ140601AC	

Basepan/Compressor/Tubing Assembly

Image 1

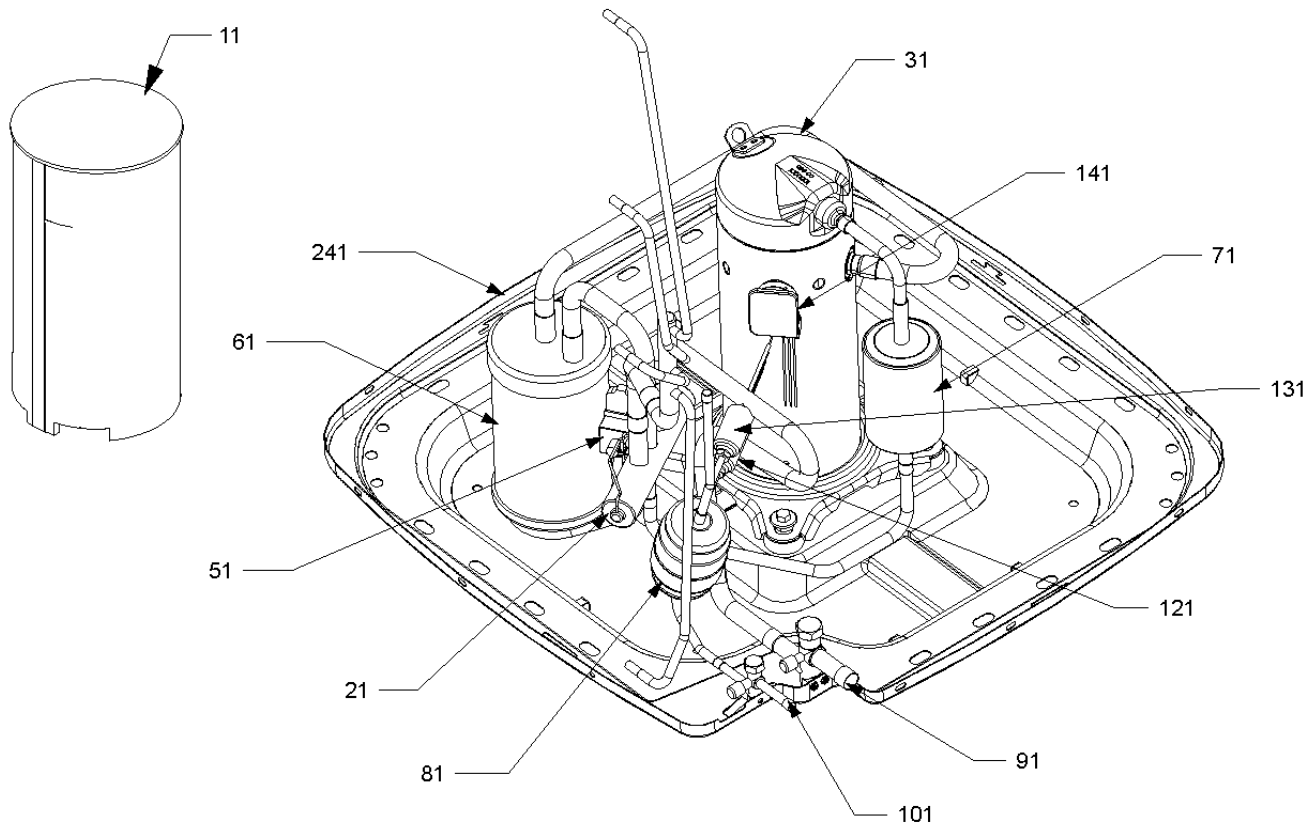
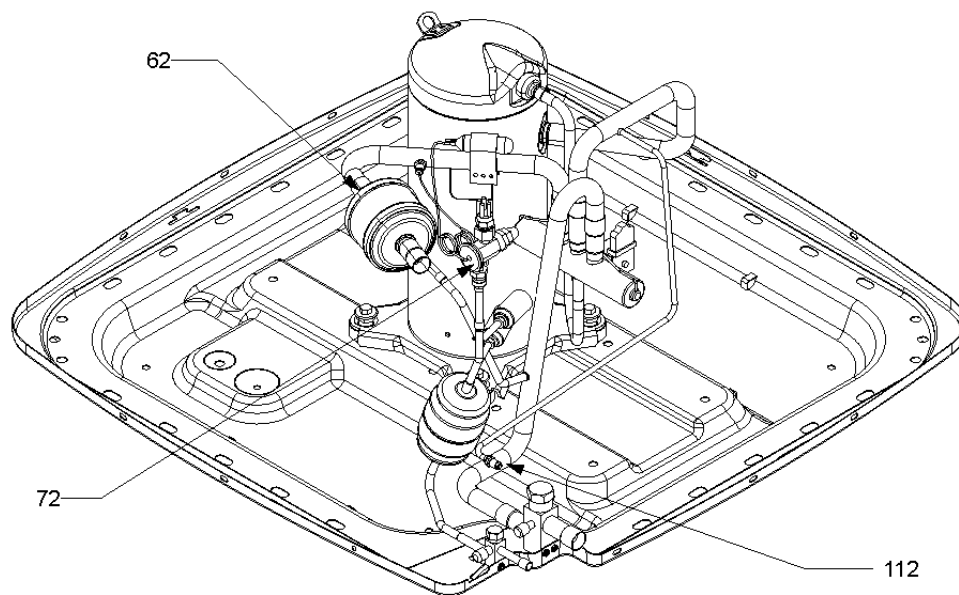


Image 2



Basepan/Compressor/Tubing Assembly

Ref. Part No:	No:	Description:	Ref. Part No:	No:	Description:
<i>Image 1:</i>			Expanded Model Nomenclature		
11	B1488806S	COMPRESSOR SOUND BLANKET (M20, M21, M22, M23, M24, M25, M26, M27, M28)	M1 - ASZ140181AA		
11	B1488807S	COMPRESSOR SOUND BLANKET (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14, M15, M16, M17, M18)	M2 - ASZ140181AB		
11	B1488810S	COMPRESSOR SOUND BLANKET (M19)	M3 - ASZ140181AC		
21	B1227315S	REVERSING VALVE (M1, M2, M3, M4, M5, M6, M7, M8, M9)	M4 - ASZ140181AD		
21	B1227316S	REVERSING VALVE (M10, M11, M12, M13, M14)	M5 - ASZ140241AA		
21	B1227318S	REVERSING VALVE (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	M6 - ASZ140241AB		
31	ZP16K5EPFV830	COMPRESSOR 15500, 208/230/60/1 (M1, M2, M3, M4)	M7 - ASZ140241AC		
31	ZP21K5EPFV830	COMPRESSOR 21300, 208/230/60/1 (M5, M6, M7, M8, M9)	M8 - ASZ140241AD		
31	ZP25K5EPFV830	COMPRESSOR 25200, 208/230/60/1 (M10, M11, M12, M13, M14)	M9 - ASZ140241AE		
31	ZP32K3EPFV930	COMPRESSOR 31100, 208/230/60/1 (M15, M16, M17, M18, M19)	M10 - ASZ140301AA		
31	ZP34K5EPFV830	COMPRESSOR 34500, 208/230/60/1 (M20, M21, M22)	M11 - ASZ140301AB		
31	ZP39K5EPFV830	COMPRESSOR 39000, 208/230/60/1 (M23, M24, M25)	M12 - ASZ140301AC		
31	ZP51K5EPFV830	COMPRESSOR 51000, 208/230/60/1 (M26, M27, M28)	M13 - ASZ140301AD		
51	B1225020	SOLENOID COIL CORD W/1/4"TERMINAL	M14 - ASZ140301AE		
61	B1226207	ACCUMULATOR (M19)	M15 - ASZ140361AA		
61	0151R00004P	ACCUMULATOR 3/4" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)	M16 - ASZ140361AB		
71	0162R00007	MUFFLER 1/2 X 1/2 (M4, M9, M14, M19)	M17 - ASZ140361AC		
71	B1219301	MUFFLER 1/2 X 1/2 (M8, M13, M18)	M18 - ASZ140361AD		
81	20485201	BI-FLOW FILTER DRIER	M19 - ASZ140361AE		
91	0151R00002P	3/4" SERVICE VALVE OPEN LEFT (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)	M20 - ASZ140421AA		
91	0151R00003P	7/8" SERVICE VALVE OPEN LEFT (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	M21 - ASZ140421AB		
101	B12825171	3/8" SERVICE VALVE	M22 - ASZ140421AC		
121	20322603	CUT-OUT SWITCH, HIGH PRESSURE	M23 - ASZ140481AA		
131	0130R00001	CUT-OUT SWITCH, LOW PRESSURE	M24 - ASZ140481AB		
141	0159R00001P	COMPRESSOR SCROLL HARNESS (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)	M25 - ASZ140481AC		
141	0159R00002P	COMPRESSOR SCROLL HARNESS (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	M26 - ASZ140601AA		
241	0121R00006PDG	BASE PAN 29" (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13, M14)	M27 - ASZ140601AB		
241	0121R00007PDG	BASE PAN 35" (M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25, M26, M27, M28)	M28 - ASZ140601AC		
NS	B1339533	COMPRESSOR GROMMET (QTY 4)			
NS	B1225022S	SOLENOID COIL			
NS	M0221641	TF SHOULDER SCREW (QTY 4)			
<i>Image 2:</i>					
62	0151R00005	COMPENSATOR 16 OZ (M15, M16, M17, M18, M20, M21, M22, M23, M24, M25, M26, M27, M28)			
72	0151M00002	TXV VALVE (M15, M16, M17, M18, M20, M21, M22)			
72	0151M00003	TXV VALVE (M23, M24, M25, M26, M27, M28)			
112	B1787000	VALVE CORE			