

ASX14 Remote Condensing Unit

ASX140181LA
ASX140181LB
ASX140191KD
ASX140241LC
ASX140251LC
ASX140301KC
ASX140311KC
ASX140361KF
ASX140371KE
ASX140421KE
ASX140431KE
ASX140481KD
ASX140601KD



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This manual is to be used by qualified technicians only.

This manual replaces RP-A4327.

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Important Information

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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 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:

Homeowner Support
Goodman Company, L.P.
19001 Kermier Road
Waller, Texas 77484
877-254-4729-Telephone
713-863-2382-Facsimile

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

International Division
Goodman Company, L.P.
19001 Kermier Road
Waller, Texas 77484
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No: Description:

0131M00811	1/8 HP 8 PL PSC MOTOR (M1)
0151R00185	BASE VALVE 3/4" (M1, M2, M3, M4, M5, M6, M7, M8, M9)
0151R00187	BASE VALVE 3/8"
0151R00186	BASE VALVE 7/8" (M10, M11, M12, M13)
0150M00012	BLADE-FAN 20" CCW (M1, M2, M3, M4, M5)
CAP050350440CS	CAP, 5/35 MFD/440V/DUAL RD (M4, M5)
CAP050400440CT	CAP, 5/40 MFD/440V/DUAL RD (M6, M7)
CAP050450440CT	CAP, 5/45 MFD/440V/DUAL RD (M8, M9, M10, M11, M12)
CAP050700440CT	CAP, 5/70 MFD/440V/DUAL RD (M13)
CAP050300440CS	CAP,5/30MFD/440V/DUAL RD (M1, M2, M3)
ZP14K6EPFV120	COMP, 20200, 208/230/60/1 (M1, M2, M3)
ZP24K6EPFV120	COMP, 32500, 208/230/60/1 (M7)
ZP29K6EPFV120	COMP, 39700, 208/230/60/1 (M8, M9)
ZP20K5EPFV130	COMP,20000,208/230/60/1 (M4, M5)
ZP24K5EPFV130	COMP,24000,208/230/60/1 (M6)
ZP31K5EPFV130	COMP,31100,208/230/60/1 (M10, M11)
ZP38K5EPFV130	COMP,37500,208/230/60/1 (M12)
ZP49K5EPFV130	COMP,49400,208/230/60/1 (M13)
CONT1P025024V	CONT, 1 POLE, 25 AMP, 24 VAC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)
CONT1P030024V	CONT, 1 POLE, 30 AMP, 24 VAC (M12, M13)
571006600	CoreSense Module
0150M00008	FAN BLADE, 22" TNT2203-25 (M6, M7, M8, M9, M10, M11)
0150M00066	FAN BLADE, 26" (M12, M13)
0130R00056	HIGH PRESSURE SWITCH (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13)
0130M00082	LOW PRESSURE SWITCH
0131M00968	MOTOR, 1/4HP, 1SP, 8PL, AL (M12, M13)
0131M00971	MOTOR, 1/6HP, 1SP, 8PL, AL (M6, M7, M8, M9, M10, M11)
0131M00969	MOTOR, 1/8HP, 8PL, PSC (M2, M3, M4, M5)

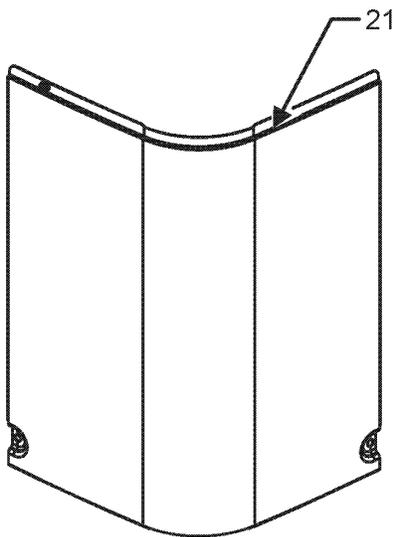
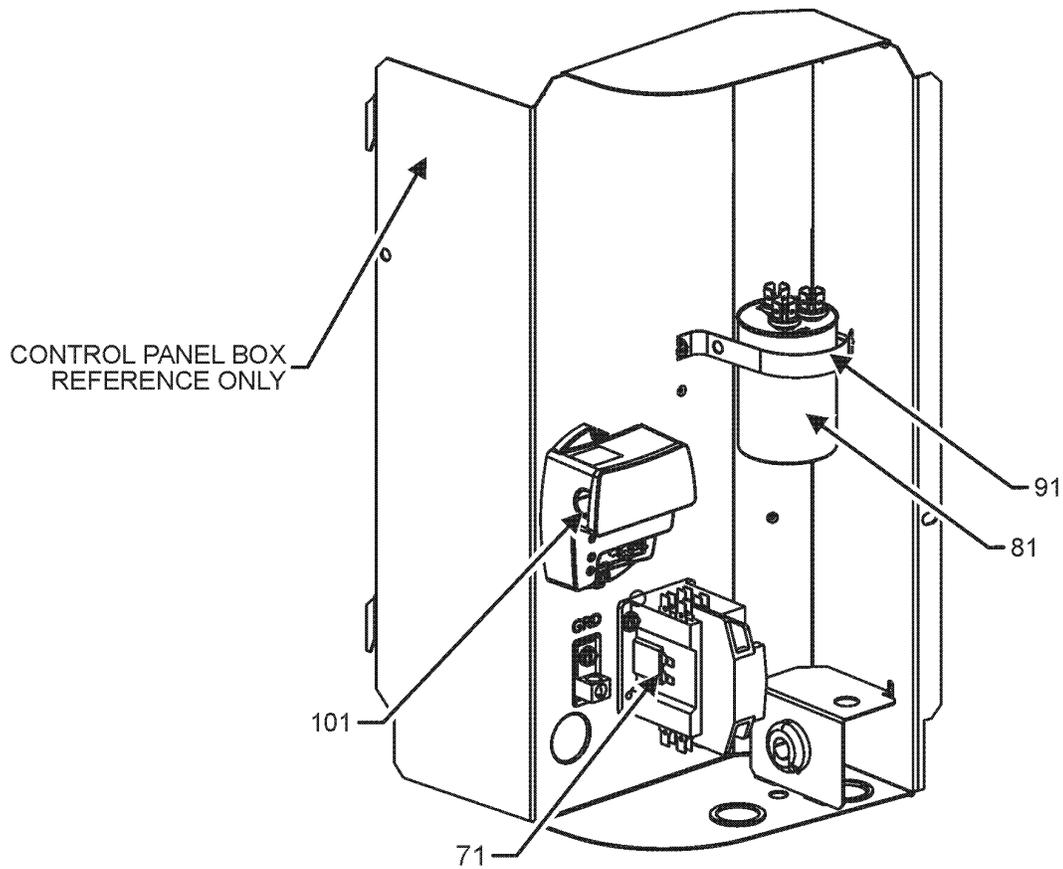
SPECIAL PARTS

0161R00086	CAP, GRILL
0161R00087	NAMEPLATE, AMANA LOGO

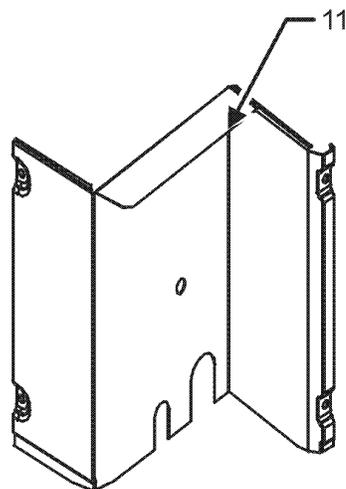
Expanded Model Nomenclature

M1 - ASX140181LA
M2 - ASX140181LB
M3 - ASX140191KD
M4 - ASX140241LC
M5 - ASX140251LC
M6 - ASX140301KC
M7 - ASX140311KC
M8 - ASX140361KF
M9 - ASX140371KE
M10 - ASX140421KE
M11 - ASX140431KE
M12 - ASX140481KD
M13 - ASX140601KD

Control Box Assembly



UPPER ACCESS PANEL



LOWER ACCESS PANEL

Control Box Assembly

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

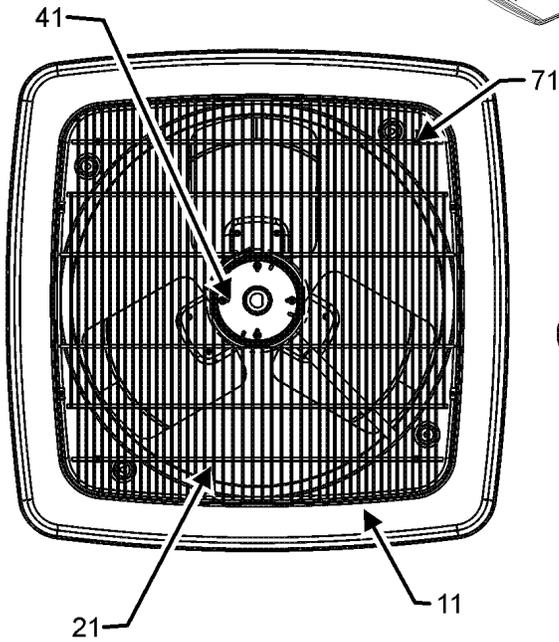
11	0121R00909PDG	PNL, LWR ACCESS (M13)
11	0121R00912PDG	PNL, LWR ACCESS (M10, M11, M12)
11	0121R00915PDG	PNL, LWR ACCESS (M1, M2, M3)
11	0121R00919PDG	PNL, LWR ACCESS (M4, M5, M6, M7, M8, M9)
21	0121R00053PDG	CONTROL COVER
71	CONT1P025024V	CONT, 1 POLE, 25 AMP, 24 VAC (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)
71	CONT1P030024V	CONT, 1 POLE, 30 AMP, 24 VAC (M12, M13)
81	CAP050350440CS	CAP, 5/35 MFD/440V/DUAL RD (M4, M5)
81	CAP050400440CT	CAP, 5/40 MFD/440V/DUAL RD (M6, M7)
81	CAP050450440CT	CAP, 5/45 MFD/440V/DUAL RD (M8, M9, M10, M11, M12)
81	CAP050700440CT	CAP, 5/70 MFD/440V/DUAL RD (M13)
81	CAP050300440CS	CAP,5/30MFD/440V/DUAL RD (M1, M2, M3)
91	4400065	CAPACITOR STRAP
101	571006600	CoreSense Module
NS	0161R00087	NAMEPLATE, AMANA LOGO

Expanded Model Nomenclature

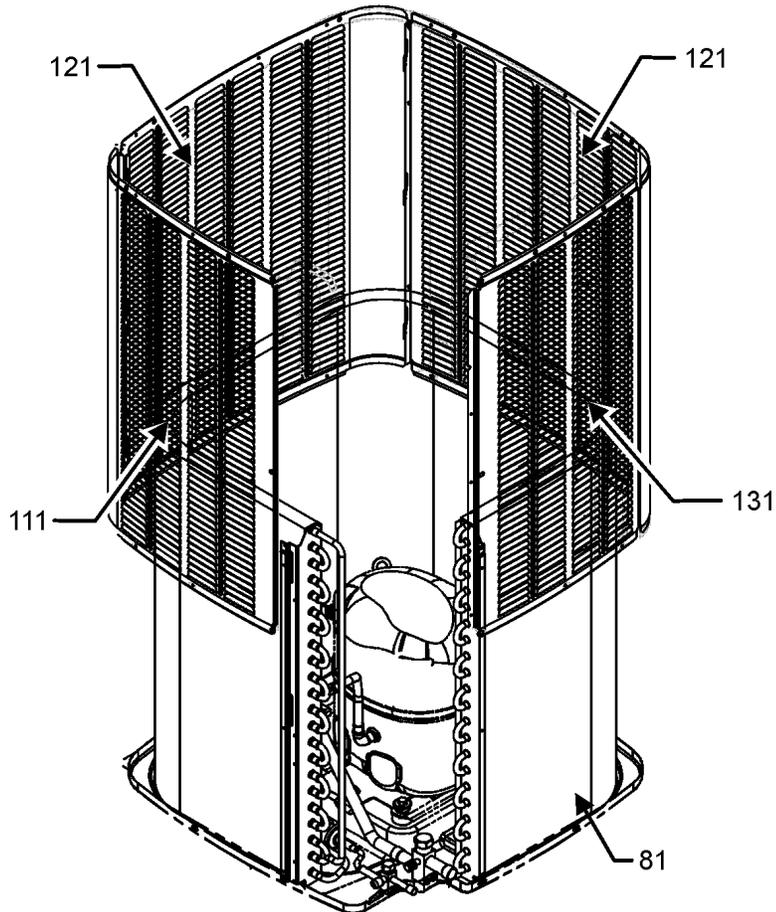
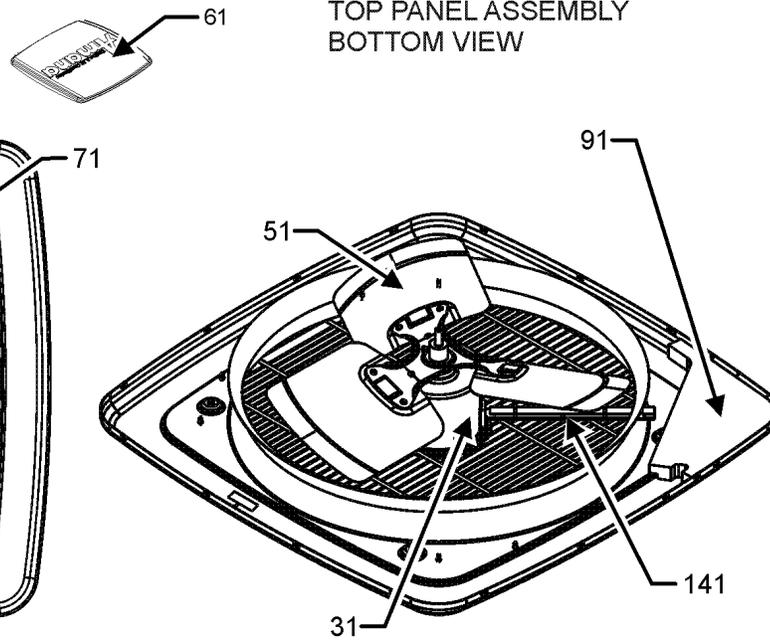
- | |
|-------------------|
| M1 - ASX140181LA |
| M2 - ASX140181LB |
| M3 - ASX140191KD |
| M4 - ASX140241LC |
| M5 - ASX140251LC |
| M6 - ASX140301KC |
| M7 - ASX140311KC |
| M8 - ASX140361KF |
| M9 - ASX140371KE |
| M10 - ASX140421KE |
| M11 - ASX140431KE |
| M12 - ASX140481KD |
| M13 - ASX140601KD |

Top and Side Panel Assembly

TOP PANEL ASSEMBLY
TOP VIEW



TOP PANEL ASSEMBLY
BOTTOM VIEW

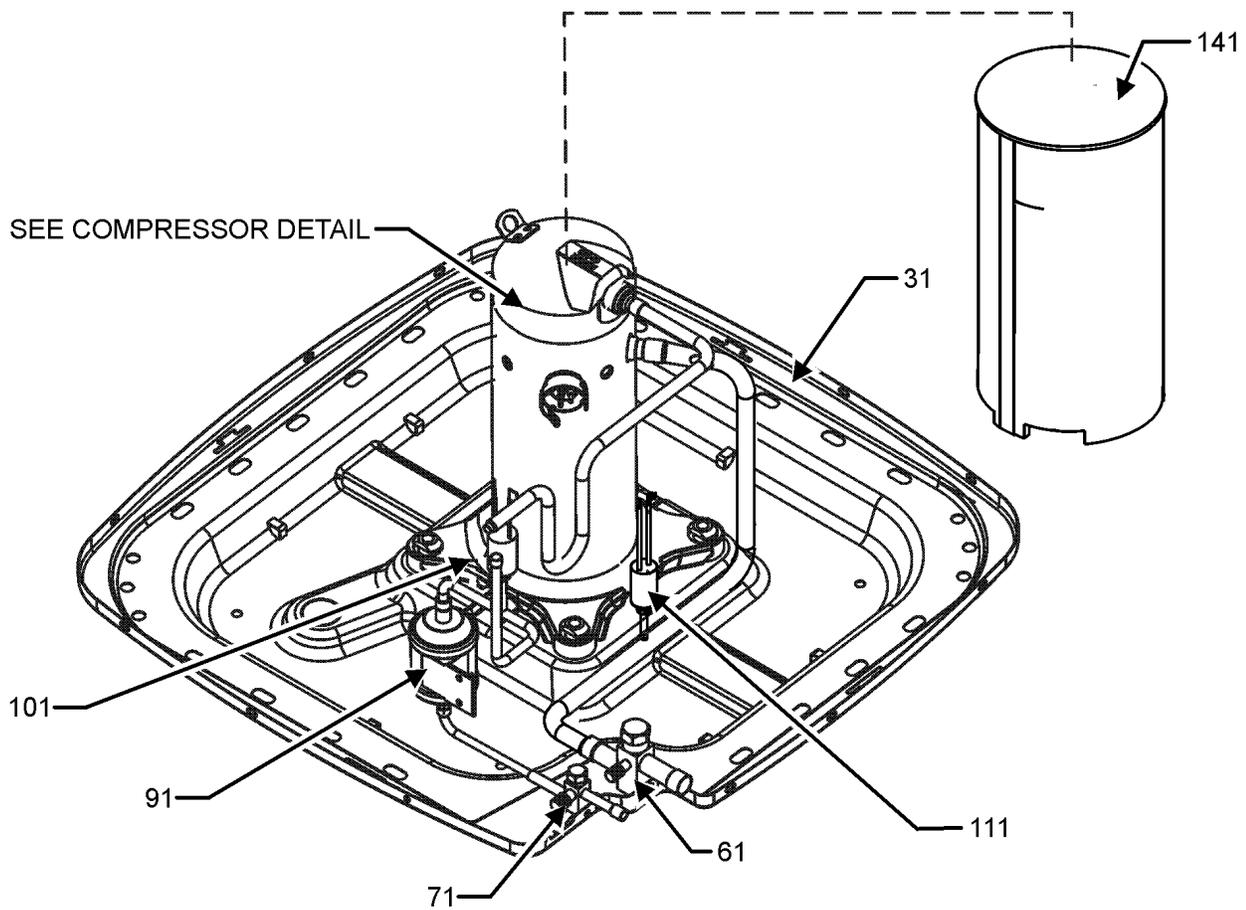


LOUVER PANEL ASSEMBLY

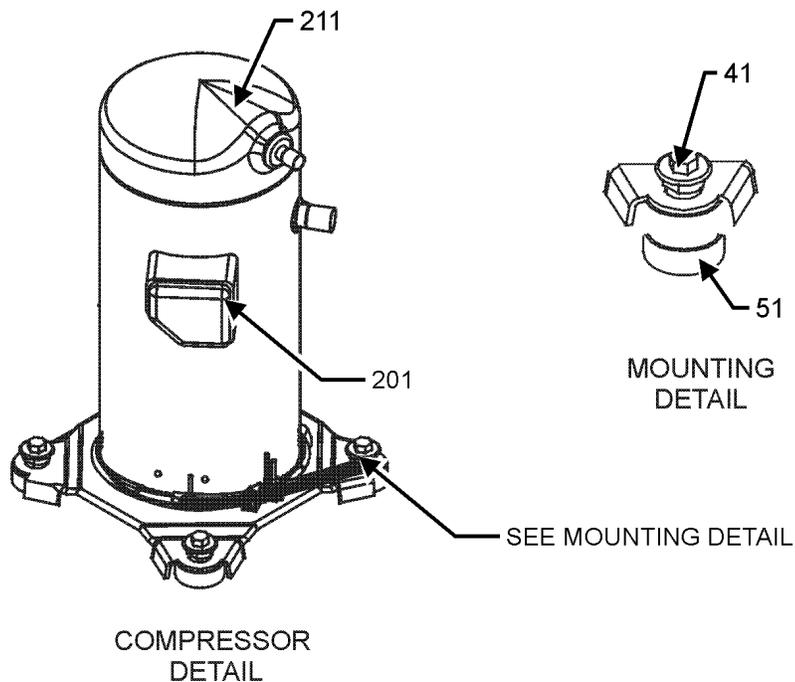
Top and Side Panel Assembly

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:		Expanded Model Nomenclature	
11	0121R00009PDG TOP PANEL, VENTURI 26" PNT (M1, M2, M3, M4, M5)	M1 - ASX140181LA	
11	0121R00011PDG TOP PANEL, VENTURI 29" PNT (M6, M7, M8, M9, M10, M11)	M2 - ASX140181LB	
11	0121R00013PDG TOP PANEL, VENTURI 35" PNT (M12, M13)	M3 - ASX140191KD	
21	0152R00010 GRILLE, WIRE 26" TOP (M1, M2, M3, M4, M5)	M4 - ASX140241LC	
21	0152R00015 GRILLE, WIRE 29" TOP (M6, M7, M8, M9, M10, M11)	M5 - ASX140251LC	
21	0152R00016 GRILLE, WIRE 35" TOP (M12, M13)	M6 - ASX140301KC	
31	0131M00811 1/8 HP 8 PL PSC MOTOR (M1)	M7 - ASX140311KC	
31	0131M00968 MOTOR, 1/4HP, 1SP, 8PL, AL (M12, M13)	M8 - ASX140361KF	
31	0131M00971 MOTOR, 1/6HP, 1SP, 8PL, AL (M6, M7, M8, M9, M10, M11)	M9 - ASX140371KE	
31	0131M00969 MOTOR, 1/8HP, 8PL, PSC (M2, M3, M4, M5)	M10 - ASX140421KE	
41	M0280801 HEX NUT (QTY 4)	M11 - ASX140431KE	
51	0150M00012 BLADE-FAN 20" CCW (M1, M2, M3, M4, M5)	M12 - ASX140481KD	
51	0150M00008 FAN BLADE, 22" TNT2203-25 (M6, M7, M8, M9, M10, M11)	M13 - ASX140601KD	
51	0150M00066 FAN BLADE, 26" (M12, M13)		
61	0161R00086 CAP, GRILL		
71	0163M00003P SCREW #10 X 1/2, A, SLOT, SR, BLACK (QTY 4)		
81	0201R00296 COIL TUBING ASSEMBLY (M7, M8, M9)		
81	0201R00253 COIL TUBING ASSY (M6)		
81	0201R00385 COIL TUBING ASSY (M12)		
81	0201R00433 COIL TUBING ASSY (M13)		
81	0201R00521 COIL TUBING ASSY (M1, M2, M3)		
81	0201R00566 COIL TUBING ASSY (M10, M11)		
81	0201R00666 COIL TUBING ASSY (M4, M5)		
91	0154R00006 GASKET, CONTROL PANEL		
111	0121R00200PLG LOUVER, SIDE PANEL (M6, M7, M8, M9)		
111	0121R00202PLG LOUVER, SIDE PANEL (M10, M11)		
111	0121R00207PLG LOUVER, SIDE PANEL (M1, M2, M3)		
111	0121R00208PLG LOUVER, SIDE PANEL (M4, M5)		
111	0121R00240PLG PANEL 1, LOUVER 35 (M13)		
111	0121R00239PLG PANEL 1, LOUVER 35, 5MM, PNT (M12)		
121	0121R00198PLG LOUVER, SIDE PANEL (M1, M2, M3)		
121	0121R00199PLG LOUVER, SIDE PANEL (M4, M5)		
121	0121R00204PLG LOUVER, SIDE PANEL (M6, M7, M8, M9)		
121	0121R00205PLG LOUVER, SIDE PANEL (M10, M11)		
121	0121R00244PLG PANEL 2, LOUVER 35 (M13)		
121	0121R00243PLG PANEL 2, LOUVER 35, 5MM, PNT (M12)		
131	0121R00193PLG LOUVER, SIDE PANEL (M6, M7, M8, M9)		
131	0121R00194PLG LOUVER, SIDE PANEL (M10, M11)		
131	0121R00196PLG LOUVER, SIDE PANEL (M1, M2, M3)		
131	0121R00197PLG LOUVER, SIDE PANEL (M4, M5)		
131	0121R00248PLG PANEL 3, LOUVER 35 (M13)		
131	0121R00247PLG PANEL 3, LOUVER 35, 5MM, PNT (M12)		
141	0161R00000P CONDUIT (M1, M2, M3, M4, M5)		
141	0161R00002P CONDUIT (M6, M7, M8, M9, M10, M11)		
141	0161R00004P CONDUIT (M12, M13)		

Compressor and Tubing Assembly



TUBING ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN



Compressor and Tubing Assembly

Ref. Part No:	Description:	Ref. Part No:	Description:
Image 1:		Expanded Model Nomenclature	
31	0121R00005PDG BASE PAN, 26" PNT (M1, M2, M3, M4, M5)	M1 - ASX140181LA	
31	0121R00006PDG BASE PAN, 29" PNT (M6, M7, M8, M9, M10, M11)	M2 - ASX140181LB	
31	0121R00007PDG BASE PAN, 35.5" PNT (M12, M13)	M3 - ASX140191KD	
41	M0221641 TF SHOULDER SCREW (QTY 4)	M4 - ASX140241LC	
51	B1339533 COMPRESSOR GROMMET (QTY 4)	M5 - ASX140251LC	
61	0151R00185 BASE VALVE 3/4" (M1, M2, M3, M4, M5, M6, M7, M8, M9)	M6 - ASX140301KC	
61	0151R00186 BASE VALVE 7/8" (M10, M11, M12, M13)	M7 - ASX140311KC	
71	0151R00187 BASE VALVE 3/8"	M8 - ASX140361KF	
91	0162R00057 FILTER DRIER	M9 - ASX140371KE	
101	0130R00056 HIGH PRESSURE SWITCH (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11, M13)	M10 - ASX140421KE	
111	0130M00082 LOW PRESSURE SWITCH	M11 - ASX140431KE	
141	0160M00035 COMPRESSOR BLANKET (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11)	M12 - ASX140481KD	
141	0160M00039 COMPRESSOR BLANKET (M12, M13)	M13 - ASX140601KD	
201	0159R00000P HARNESS, COMP SCROLL 130 36" (M1, M2, M3, M4, M5)		
201	0159R00001P HARNESS, COMP SCROLL 130 42" (M6, M7, M8, M9, M10, M11)		
201	0159R00002P HARNESS, COMP SCROLL 130 46" (M12)		
201	0159R00017 HARNESS, COMP-SCROLL (M13)		
211	ZP14K6EPFV120 COMP, 20200, 208/230/60/1 (M1, M2, M3)		
211	ZP24K6EPFV120 COMP, 32500, 208/230/60/1 (M7)		
211	ZP29K6EPFV120 COMP, 39700, 208/230/60/1 (M8, M9)		
211	ZP20K5EPFV130 COMP, 20000, 208/230/60/1 (M4, M5)		
211	ZP24K5EPFV130 COMP, 24000, 208/230/60/1 (M6)		
211	ZP31K5EPFV130 COMP, 31100, 208/230/60/1 (M10, M11)		
211	ZP38K5EPFV130 COMP, 37500, 208/230/60/1 (M12)		
211	ZP49K5EPFV130 COMP, 49400, 208/230/60/1 (M13)		
NS	B1789853 FLOW CHECK PISTON KIT (M1, M2, M3)		
NS	B1789863 FLOW CHECK PISTON KIT (M7)		
NS	B1789865 FLOW CHECK PISTON KIT (M6)		
NS	B1789868 FLOW CHECK PISTON KIT (M8)		
NS	B1789872 FLOW CHECK PISTON KIT (M9)		
NS	B1789874 FLOW CHECK PISTON KIT (M10, M11)		
NS	B1789878 FLOW CHECK PISTON KIT (M12)		
NS	B1789888 FLOW CHECK PISTON KIT (M13)		
NS	B1789859 KIT, FLOW CHECK PISTON (M4, M5)		