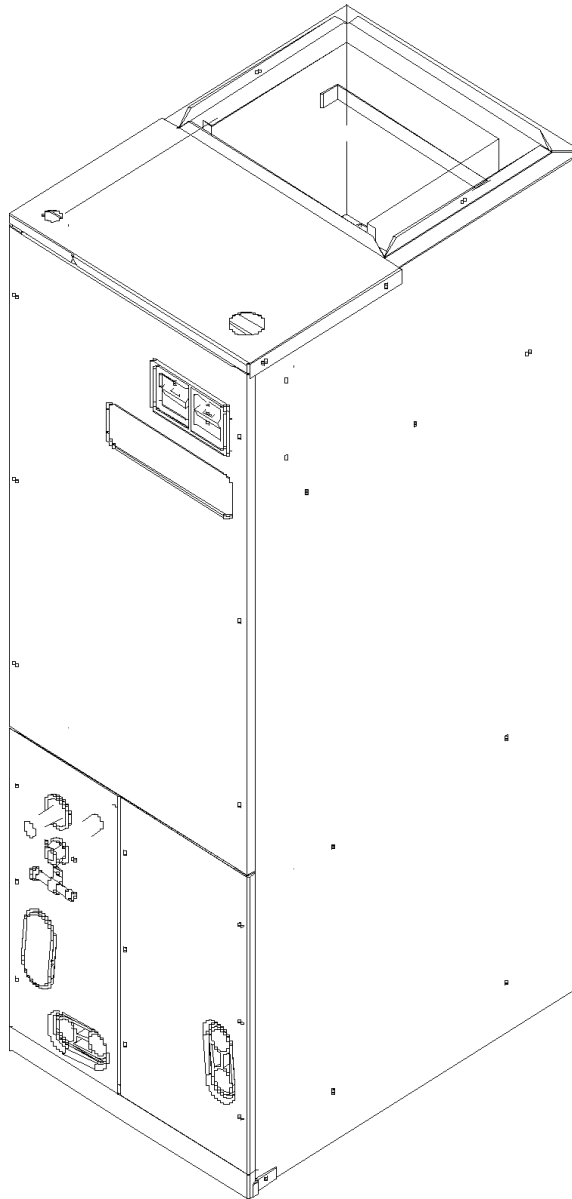


AR SERIES Indoor Air Handlers with Coils

AR18-1
AR18-1D
AR24-1
AR24-1D
AR30-1
AR30-1D
AR32-1
AR32-1D
AR36-1
AR42-1
AR48-1
AR49-1
AR60-1
AR61-1



This manual is to be used by qualified technicians only.

This manual replaces RP-265D.

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Important Information

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

Rev. E: Added models AR18-1D, AR24-1D, AR30-1D, and AR32-1D.

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

Goodman Manufacturing 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 Manufacturing 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 Manufacturing Company, L.P.
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

Functional Parts

Part

No: Description:

B13400353S	BLOWER MOTOR 1/2 HP, DIRECT DRIVE (M10, M11, M12)
B13400312S	BLOWER MOTOR 1/3 HP, 2 BOLT CIRCLE F (M5, M6, M7, M8, M9)
B13400313S	BLOWER MOTOR 1/5 HP (M1, M2, M3, M4)
B13400208S	BLOWER MOTOR 3/4 HP, 2 SP (M13, M14)
PCBFM103S	BOARD, ELECTRONIC BLOWER TIME DELAY RELAY
CAP125000370RPS	CAPACITOR 12.5/370V (M10, M11, M12)
CAP150000370VAS	CAPACITOR 15/370V (M13, M14)
CAP050000370VAS	CAPACITOR 5/370V (M1, M2, M3, M4, M6, M8)
CAP075000370VAS	CAPACITOR 7.5/370V (M5, M7, M9)
B1141643	TRANSFORMER 208/230, 24V

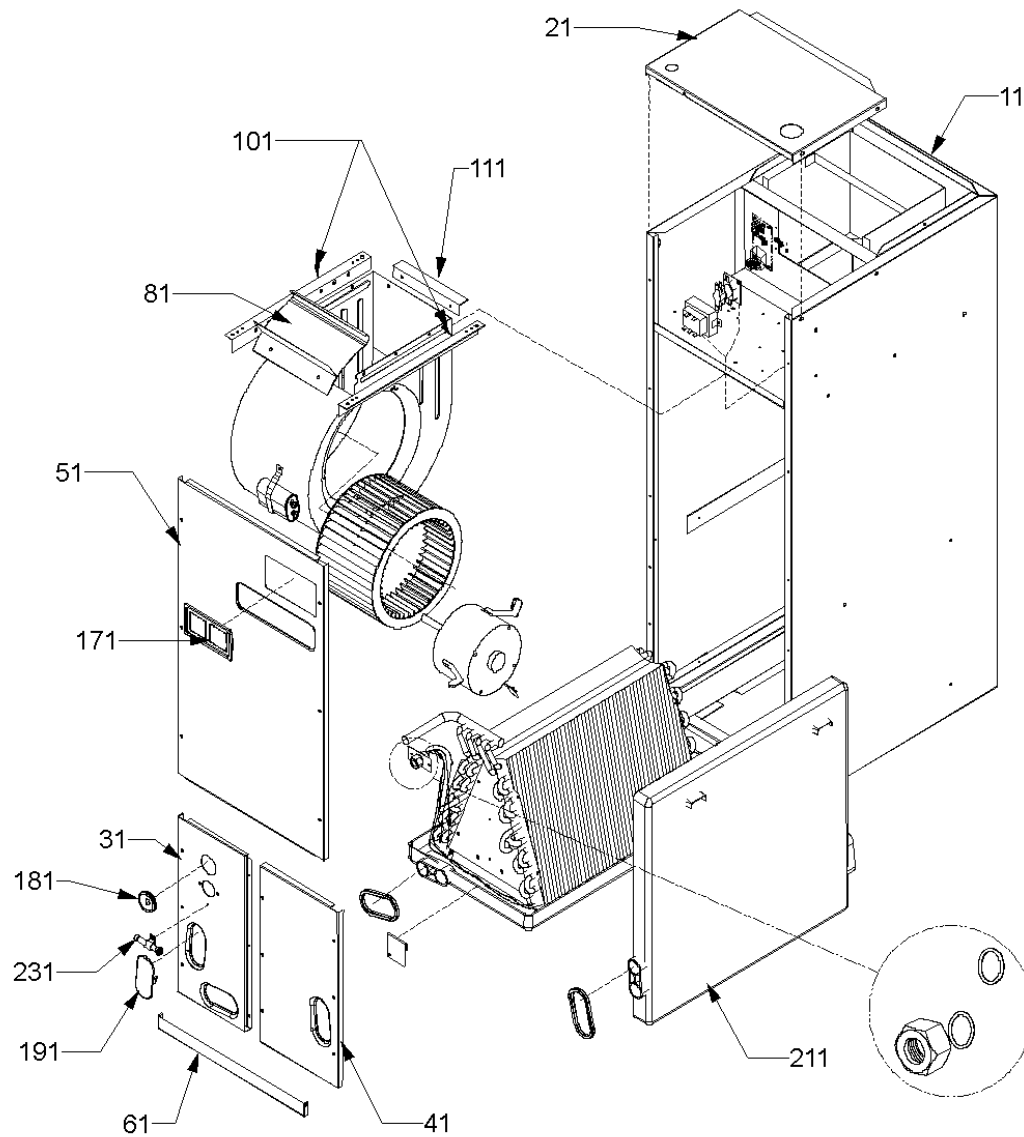
SPECIAL PARTS

IO-209D	INSTALLATION INSTRUCTIONS
PKC-0AC	PISTON KIT CHART
RP-265E	REPAIR PARTS MANUAL
IO-616	SUPPLEMENT INSTRUCTIONS
B1757910	SUPPLEMENTAL INSERT (EBTDR)

Expanded Model Nomenclature

M1 - AR18-1
M2 - AR18-1D
M3 - AR24-1
M4 - AR24-1D
M5 - AR30-1
M6 - AR30-1D
M7 - AR32-1
M8 - AR32-1D
M9 - AR36-1
M10 - AR42-1
M11 - AR48-1
M12 - AR49-1
M13 - AR60-1
M14 - AR61-1

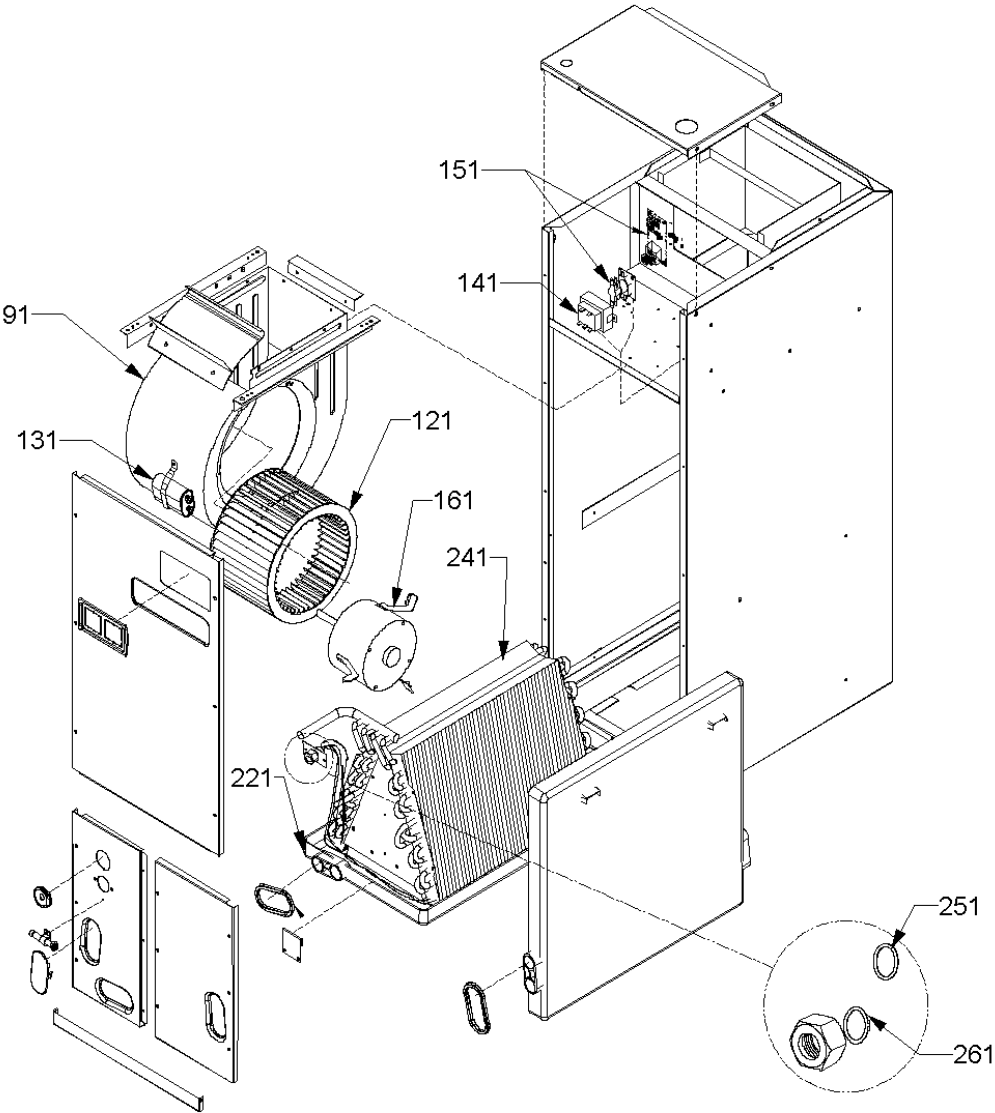
Replacement Parts List



Replacement Parts List

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		Expanded Model Nomenclature	
11	1721120	WRAPPER ASSY LRG (M11, M12, M13, M14)	M1 - AR18-1
11	1721119	WRAPPER ASSY MED (M9, M10)	M2 - AR18-1D
11	1721118D	WRAPPER, SMALL (AR) (M1, M2, M3, M4, M5, M6, M7, M8)	M3 - AR24-1
21	1721926P	UPPER TIE PLATE (M9, M10)	M4 - AR24-1D
21	1721928PD	UPPER TIE PLATE (M1, M2, M3, M4, M5, M6, M7, M8)	M5 - AR30-1
21	1721930P	UPPER TIE PLATE (M11, M12, M13, M14)	M6 - AR30-1D
31	1722075PD	LOWER ACCESS PANEL (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)	M7 - AR32-1
31	1722076P	LOWER ACCESS PANEL (M11, M12, M13, M14)	M8 - AR32-1D
41	1722067PD	LOWER SERVICE PANEL (M1, M2, M3, M4, M5, M6, M7, M8)	M9 - AR36-1
41	1722068P	LOWER SERVICE PANEL (M9, M10)	M10 - AR42-1
41	1722069P	LOWER SERVICE PANEL (M11, M12, M13, M14)	M11 - AR48-1
51	1722060PD	UPPER ACCESS PANEL (M1, M2, M3, M4, M5, M6, M7, M8)	M12 - AR49-1
51	1722063P	UPPER ACCESS PANEL (M9, M10)	M13 - AR60-1
51	1722066P	UPPER ACCESS PANEL (M11, M12, M13, M14)	M14 - AR61-1
61	1722087PDG	FILTER COVER LRG (M11, M12, M13, M14)	
61	1722071P	FILTER COVER MED (M9, M10)	
61	1722070PD	FILTER COVER SML (M1, M2, M3, M4, M5, M6, M7, M8)	
81	764734F	BLOWER CUT-OFF (M9, M10)	
81	1864700	BLOWER CUT-OFF 10 X 10 (M13, M14)	
81	764736	BLOWER CUT-OFF 10 X 8 (M11, M12)	
81	1824004	BLOWER CUT-OFF 11 & 10 X 10 (M13, M14)	
81	764733F	BLOWER CUT-OFF 9 X 6 (M1, M2, M3, M4, M5, M6, M7, M8)	
101	0121A00016	BLOWER MOUNTING ANGLE (M11, M12)	
101	0121A00027	BLOWER MOUNTING ANGLE (M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M13, M14)	
111	1717109	BLOWER MOUNTING ANGLE	
171	B1392641	PLASTIC CIRCUIT BREAKER INSERT	
181	B1392630	GROMMET	
191	B1392640	PLASTIC DRAIN COVER	
211	B1756021L	PLASTIC DRAIN PAN (HORIZONTAL) (M1, M2, M3, M4, M5, M6, M7, M8)	
211	B1756022L	PLASTIC DRAIN PAN (HORIZONTAL) (M9, M10)	
211	B1756028L	PLASTIC DRAIN PAN (HORIZONTAL) (M11, M12, M13, M14)	
231	B1796630	INLET TUBE FLOWRATOR	

Replacement Parts List



Replacement Parts List

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
<i>Image 1:</i>		<i>Image 1:</i>	
91 0271A00016S	BLOWER HOUSING ASSY 10 X 10 (M13, M14)	NS B1813452B	FLOWRATOR .052 (M1, M2)
91 1439389S	BLOWER HOUSING ASSY 9 X 6 (M1, M2, M3, M4, M5, M6, M7, M8)	NS B1813459B	FLOWRATOR .059 (M3, M4)
91 1839304S	BLOWER HOUSING ASSY 9 X 8 (M9, M10)	NS B1813465B	FLOWRATOR .065 (M5, M6)
91 1439391S	BLOWER HOUSING ASSY w/o CUT-OFF 764736 (M11, M12)	NS B1813668B	FLOWRATOR .068 (M7, M8)
121 B1368047A	BLOWER WHEEL 10 X 10 (M13, M14)	NS B2413471B	FLOWRATOR .071 (M9)
121 B1368035S	BLOWER WHEEL 5.75 X 8 (M1, M2)	NS B2413678B	FLOWRATOR .078 (M10)
121 B1368042S	BLOWER WHEEL 9 X 6 (M3, M4, M5, M6, M7, M8)	NS B2413682B	FLOWRATOR .082 (M11, M12)
121 B1368036S	BLOWER WHEEL 9 X 8 (M9, M10, M11, M12)	NS B2413890B	FLOWRATOR .090 (M13, M14)
131 CAP125000370RPS	CAPACITOR 12.5/370V (M10, M11, M12)	NS B1376863	MOTOR MOUNT ARM (HEAVY DUTY) (M13, M14)
131 CAP150000370VAS	CAPACITOR 15/370V (M13, M14)	NS 0121M00039	MOTOR MOUNT BAND (HEAVY DUTY) (M13, M14)
131 CAP050000370VAS	CAPACITOR 5/370V (M1, M2, M3, M4, M6, M8)	Expanded Model Nomenclature	
131 CAP075000370VAS	CAPACITOR 7.5/370V (M5, M7, M9)	M1 - AR18-1 M2 - AR18-1D M3 - AR24-1 M4 - AR24-1D M5 - AR30-1 M6 - AR30-1D M7 - AR32-1 M8 - AR32-1D M9 - AR36-1 M10 - AR42-1 M11 - AR48-1 M12 - AR49-1 M13 - AR60-1 M14 - AR61-1	
141 B1141643	TRANSFORMER 208/230, 24V		
151 PCBFM103S	BOARD, ELECTRONIC BLOWER TIME DELAY RELAY		
161 B13400353S	BLOWER MOTOR 1/2 HP, DIRECT DRIVE (M10, M11, M12)		
161 B13400312S	BLOWER MOTOR 1/3 HP, 2 BOLT CIRCLE F (M5, M6, M7, M8, M9)		
161 B13400313S	BLOWER MOTOR 1/5 HP (M1, M2, M3, M4)		
161 B13400208S	BLOWER MOTOR 3/4 HP, 2 SP (M13, M14)		
221 B1756013L	PLASTIC DRAIN PAN (VERTICAL) (M1, M2, M3, M4, M5, M6, M7, M8)		
221 B1756017L	PLASTIC DRAIN PAN (VERTICAL) (M9, M10)		
221 B1756020L	PLASTIC DRAIN PAN (VERTICAL) (M11, M12, M13, M14)		
241 3892000	COIL PAN ASSY (M2)		
241 3892001	COIL PAN ASSY (M4)		
241 3892002	COIL PAN ASSY (M6)		
241 3892003	COIL PAN ASSY (M8)		
241 P140118	COIL PAN ASSY (M1)		
241 P140124	COIL PAN ASSY (M3)		
241 P140130	COIL PAN ASSY (M5)		
241 P140132	COIL PAN ASSY (M7)		
241 P140136	COIL PAN ASSY (M9)		
241 P140142	COIL PAN ASSY (M10)		
241 P140148	COIL PAN ASSY (M11)		
241 P140149	COIL PAN ASSY (M12)		
241 P140160	COIL PAN ASSY (M13)		
241 P140161	COIL PAN ASSY (M14)		
251 B1796631	TEFLON SEAL (20 IN A PACK)		
261 B1796632	TEFLON AND NUT ASSEMBLY		
NS B821700	CAPACITOR BOOT		
NS 1284835	CAPACITOR STRAP (M1, M3, M5, M7, M9, M10, M11, M12, M13, M14)		
NS B1284803	CAPACITOR STRAP (M4)		