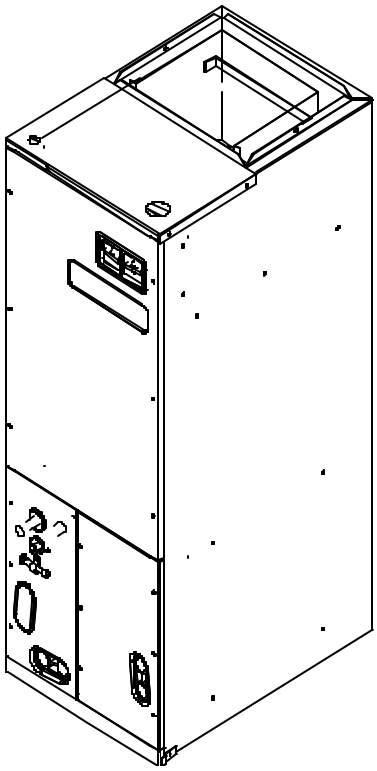
REPAIR PARTS

ARUF Series 1 1/2 - 5 Ton Air Handlers

ARUF018-00A-1
ARUF024-00A-1
ARUF030-00A-1
ARUF032-00A-1
ARUF036-00A-1
ARUF042-00A-1
ARUF048-00A-1
ARUF049-00A-1
ARUF060-00A-1
ARUF061-00A-1



This manual is to be used by qualified technicians only.

Made in the USA by:
Goodman Manufacturing Company LP
2550 North Loop West, Suite 400
Houston Texas 77092

RP - 295
March 2003

Important Information

Goodman 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 also recommends contacting an authorized technician and using authorized factory parts.

For assistance within the U.S.A. contact:
Consumer Affairs Department
Goodman Manufacturing Company LP
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 LP
7401 Security Way
Houston, Texas 77040
713-861-2500-Telephone
713-863-2382-Facsimile

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Functional Parts List 5

Illustration and Parts ..... 6 - 9

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

Functional Parts

Part No:	Description:
764734	BLOWER CUT-OFF (M5, M6)
764736	BLOWER CUT-OFF (M7, M8)
1864700	BLOWER CUT-OFF (M9, M10)
764733	BLOWER CUT-OFF (M1, M2, M3, M4)
1439398	BLOWER SHELL (10 x 10) (M9, M10)
1439391	BLOWER SHELL (10 x 8) (M7, M8)
1439389	BLOWER SHELL (9 x 6) (M1, M2, M3, M4)
1839304	BLOWER SHELL (9 x 8) (M5, M6)
B945672	CAPACITOR, RUN, 12.5 MFD, 370 VAC (M6, M7, M8)
B945653	CAPACITOR, RUN, 15 MFD, 370 VAC (M9, M10)
B945650	CAPACITOR, RUN, 5 MFD, 370 VAC (M1, M2)
B945651	CAPACITOR, RUN, 7.5 MFD, 370 VAC (M3, M4, M5)
B13400208S	MOTOR, DIRECT DRIVE, ¾ HP (M9, M10) 2-SPEED, 208/230-60-1, PSC, W/MOUNTING KIT, 1080 RPM, GE #5KCP39MFV938BS (Must be used with B1368047A blower wheel.)
B13400207S	MOTOR, DIRECT DRIVE, ¾ HP (M9, M10) 2-SPEED, 208/230-60-1, PSC, W/MOUNTING KIT, 1075 RPM, GE #5KCP39LFR300S (Must be used with B1368047A blower wheel.)
B13400206S	MOTOR, DIRECT DRIVE, ¾ HP (M9, M10) 2-SPEED, 208/230-60-1, PSC, W/MOUNTING KIT, 1075 RPM, A.O. SMITH #F48G56A76 (Must be used with B1368047A blower wheel.)
B13400353	MOTOR, DIRECT DRIVE, 1/2 HP (M6, M7, M8) 2-SPEED, 208/230-60-1, PSC, FLEX-MOUNT, 1075 RPM, G.E. # 5KCP39GGP993AS (TYPE PSC), A.O. SMITH #F48A95A76 (TYPE FLL) (Must be used with B1368047A blower wheel.)
B13400312	MOTOR, DIRECT DRIVE, 1/3 HP (M3, M4, M5) 2-SPEED, 208/230-60-1, PSC, FLEX-MOUNT, 1075 RPM, G.E. # 5KCP39GGP993AS, A.O. SMITH #F48A95A76 (Must be used with B1368047A blower wheel.)
B13400313	MOTOR, DIRECT DRIVE, 1/5 HP, (M1, M2) 2-SPEED, 208/230-60-1, PSC, FLEX-MOUNT, 1075 RPM, G.E. #5KCP39CGP874S (Must be used with B1368047A blower wheel.)
B1370738	RELAY, BLOWER TIME DELAY 24 VOLT COIL, (TEXAS INSTRUMENTS #60000COCO-2) ORDER THIS PART WHEN REPLACING B1370738
B1370735S	RELAY, ELECTRONIC BLOWER TIME DELAY (CIRCUIT BOARD) (UT #1005-170-I) ORDER THIS PART WHEN REPLACING B1370735
B1141643	TRANSFORMER, 45V, 280/230 VOLT PRI., 24 VOLT SEC.
B1368057	WHEEL BLOWER (10 x 10) (M9, M10) B1368057 must be used with B13400208S motor service kit. When ordering B13680-57 order B13400208S motor service kit.
B1368035	WHEEL BLOWER (5.75 x 8) (M1)
B1368042	WHEEL BLOWER (9 x 6) (M2, M3, M4)
B1368036	WHEEL BLOWER (9 x 8) (M5, M6, M7, M8)
B1368047A	WHEEL BLOWER 10 x 10) (M9, M10) B1368047A use with B13400206 or B13400207 motor.

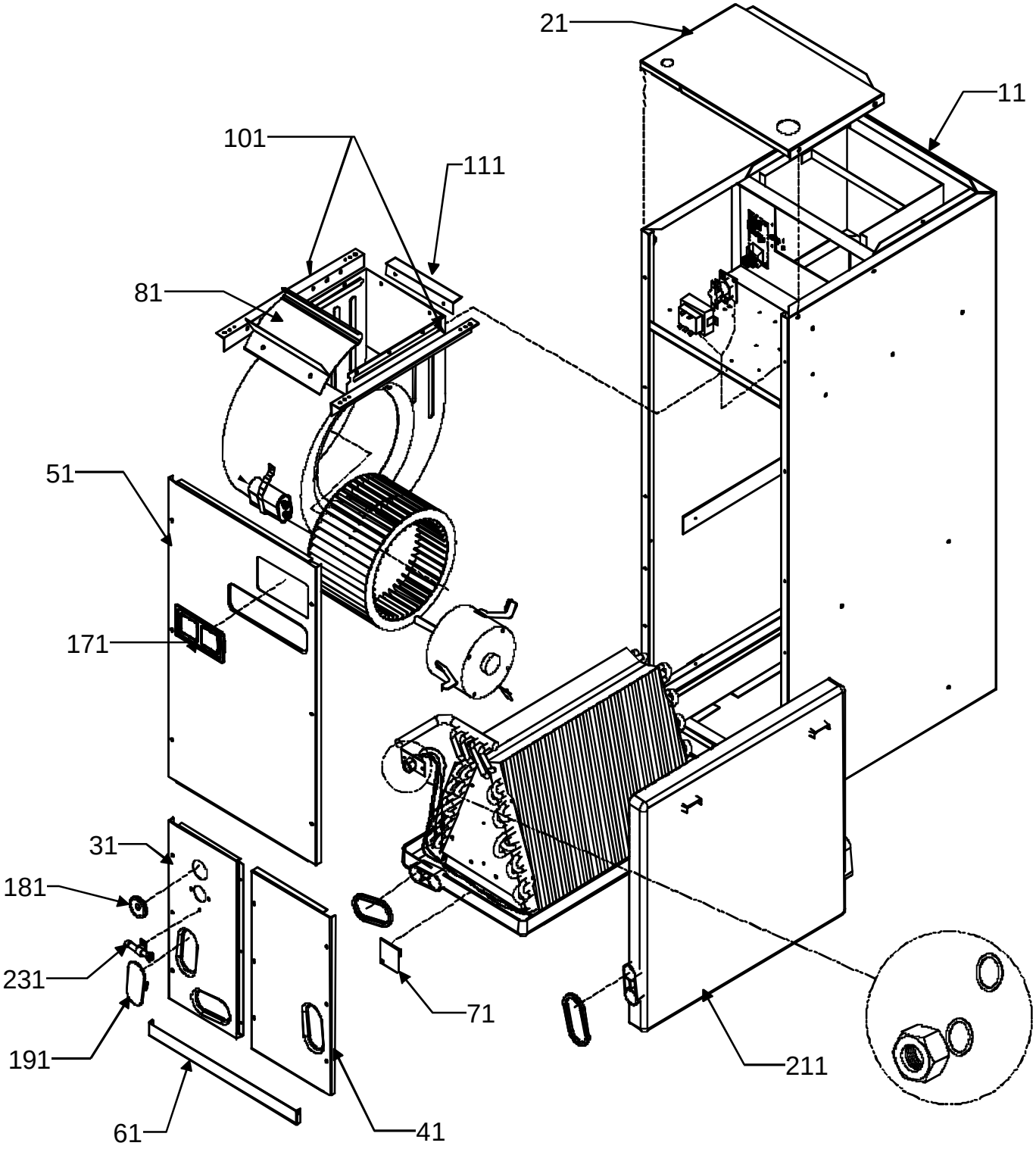
Functional Parts

Part No:	Description:
SPECIAL PARTS	
IO-230	I & O MANUAL
SS-362	SPEC SHEET

Expanded Model and Color Nomenclature

M1 - ARUF018-00A-1
M2 - ARUF024-00A-1
M3 - ARUF030-00A-1
M4 - ARUF032-00A-1
M5 - ARUF036-00A-1
M6 - ARUF042-00A-1
M7 - ARUF048-00A-1
M8 - ARUF049-00A-1
M9 - ARUF060-00A-1
M10 - ARUF061-00A-1

Cabinet



Internal Components

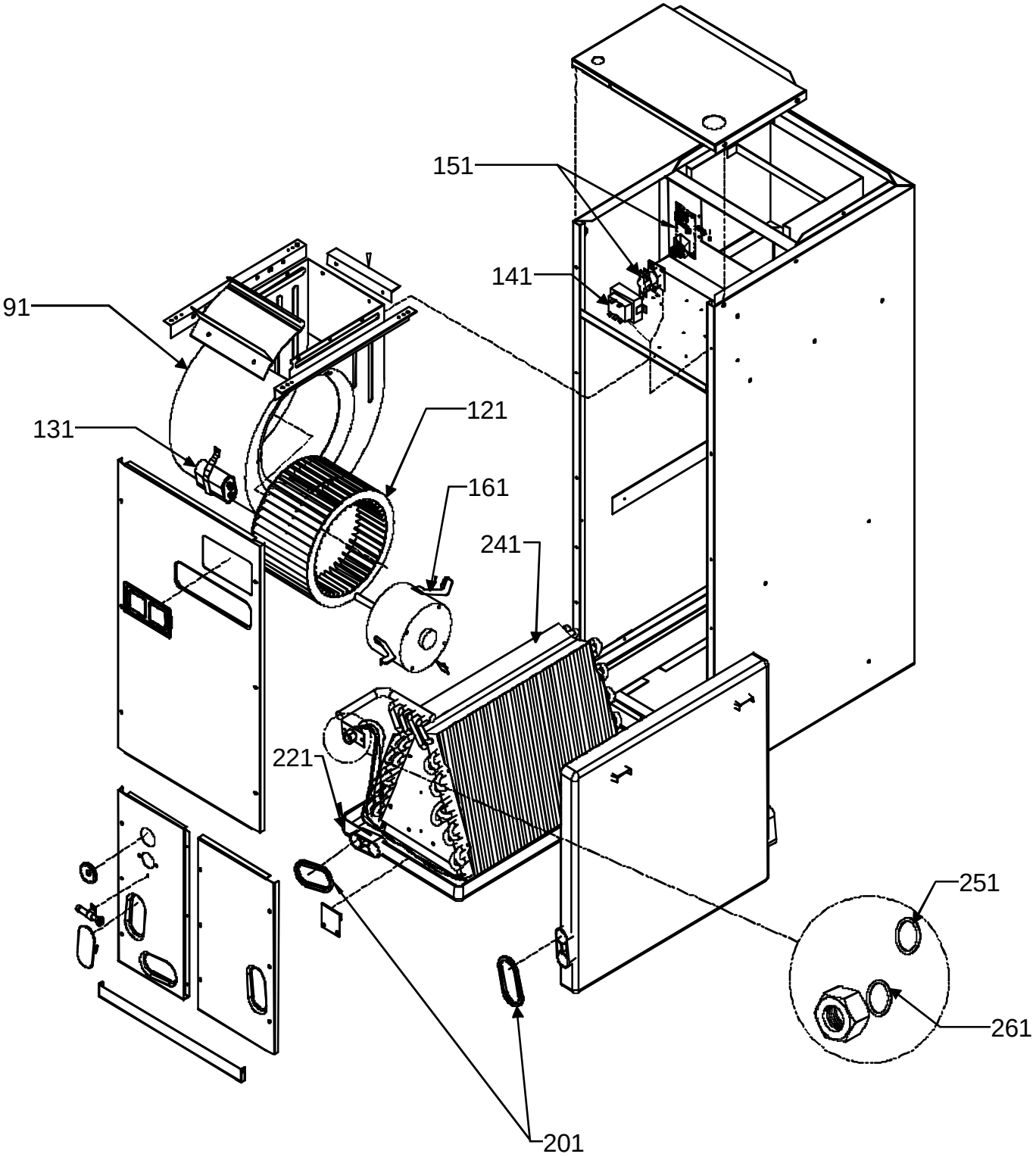
Image 1:

Ref. No:	Part No:	Description:
91	1439398	BLOWER SHELL (10 x 10) (M9, M10)
91	1439391	BLOWER SHELL (10 x 8) (M7, M8)
91	1439389	BLOWER SHELL (9 x 6) (M1, M2, M3, M4)
91	1839304	BLOWER SHELL (9 x 8) (M5, M6)
121	B1368057	WHEEL BLOWER (10 x 10) (M9, M10) B1368057 must be used with B13400208S motor service kit. When ordering B13680-57 order B13400208S motor service kit.
121	B1368035	WHEEL BLOWER (5.75 x 8) (M1)
121	B1368042	WHEEL BLOWER (9 x 6) (M2, M3, M4)
121	B1368036	WHEEL BLOWER (9 x 8) (M5, M6, M7, M8)
121	B1368047A	WHEEL BLOWER 10 x 10) (M9, M10) B1368047A use with B13400206 or B13400207 motor.
131	B945672	CAPACITOR, RUN, 12.5 MFD, 370 VAC (M6, M7, M8)
131	B945653	CAPACITOR, RUN, 15 MFD, 370 VAC (M9, M10)
131	B945650	CAPACITOR, RUN, 5 MFD, 370 VAC (M1, M2)
131	B945651	CAPACITOR, RUN, 7.5 MFD, 370 VAC (M3, M4, M5)
141	B1141643	TRANSFORMER, 45V, 280/230 VOLT PRI., 24 VOLT SEC.
151	B1370738	RELAY, BLOWER TIME DELAY 24 VOLT COIL, (TEXAS INSTRUMENTS #60000COCO-2) ORDER THIS PART WHEN REPLACING B1370738
151	B1370735S	RELAY, ELECTRONIC BLOWER TIME DELAY (CIRCUIT BOARD) (UT #1005-170-I) ORDER THIS PART WHEN REPLACING B1370735
161	B13400206S	MOTOR, DIRECT DRIVE, ¾ HP (M9, M10) 2-SPEED, 208/230-60-1, PSC, W/MOUNTING KIT, 1075 RPM, A.O. SMITH #F48G56A76 (Must be used with B1368047A blower wheel.)
161	B13400207S	MOTOR, DIRECT DRIVE, ¾ HP (M9, M10) 2-SPEED, 208/230-60-1, PSC, W/MOUNTING KIT, 1075 RPM, GE #5KCP39LFR300S (Must be used with B1368047A blower wheel.)
161	B13400208S	MOTOR, DIRECT DRIVE, ¾ HP (M9, M10) 2-SPEED, 208/230-60-1, PSC, W/MOUNTING KIT, 1080 RPM, GE #5KCP39MFV938BS (Must be used with B1368047A blower wheel.)
161	B13400353	MOTOR, DIRECT DRIVE, 1/2 HP (M6, M7, M8) 2-SPEED, 208/230-60-1, PSC, FLEX-MOUNT, 1075 RPM, G.E. # 5KCP39GGP993AS (TYPE PSC), A.O. SMITH #F48A95A76 (TYPE FLL) (Must be used with B1368047A blower wheel.)
161	B13400312	MOTOR, DIRECT DRIVE, 1/3 HP (M3, M4, M5) 2-SPEED, 208/230-60-1, PSC, FLEX-MOUNT, 1075 RPM, G.E. # 5KCP39GGP993AS, A.O. SMITH #F48A95A76 (Must be used with B1368047A blower wheel.)
161	B13400313	MOTOR, DIRECT DRIVE, 1/5 HP, (M1, M2) 2-SPEED, 208/230-60-1, PSC, FLEX-MOUNT, 1075 RPM, G.E. #5KCP39CGP874S (Must be used with B1368047A blower wheel.)
201	B1392631	GASKET, SEAL (QTY 2)
221	B1756013L	VERTICAL DRAIN PAN (M1, M2, M3)
221	B1756017L	VERTICAL DRAIN PAN (M4, M5, M6)
221	B1756020L	VERTICAL DRAIN PAN (M7, M8, M9, M10)
241	P140118	COIL PAN ASSEMBLY (M1)
241	P140124	COIL PAN ASSEMBLY (M2)
241	P140130	COIL PAN ASSEMBLY (M3)
241	P140132	COIL PAN ASSEMBLY (M4)
241	P140136	COIL PAN ASSEMBLY (M5)
241	P140142	COIL PAN ASSEMBLY (M6)
241	P140148	COIL PAN ASSEMBLY (M7)
241	P140149	COIL PAN ASSEMBLY (M8)
241	P140160	COIL PAN ASSEMBLY (M9)
241	P140161	COIL PAN ASSEMBLY (M10)
251	B1796631	TEFLON SEAL (20 IN A PACK)
261	B1796632	TEFLON AND NUT ASSEMBLY

Expanded Model Nomenclature

M1 - ARUF018-00A-1
M2 - ARUF024-00A-1
M3 - ARUF030-00A-1
M4 - ARUF032-00A-1
M5 - ARUF036-00A-1
M6 - ARUF042-00A-1
M7 - ARUF048-00A-1
M8 - ARUF049-00A-1
M9 - ARUF060-00A-1
M10 - ARUF061-00A-1

Internal Components



Cabinet

Ref. No:	Part No:	Description:
Image 1:		
11	1721121	WRAPPER, CABINET (M1, M2, M3, M4)
11	1721122	WRAPPER, CABINET (M5, M6)
11	1721123	WRAPPER, CABINET (M7, M8, M9, M10)
21	1721929P	PLATE, UPPER TIE (M5, M6)
21	1721930P	PLATE, UPPER TIE (M7, M8, M9, M10)
21	1721931P	PLATE, UPPER TIE (M1, M2, M3, M4)
31	1722077P	PANEL, LOWER ACCESS (SM, MED) (M1, M2, M3, M4, M5, M6)
31	1722078P	PANEL, LOWER ACCESS (SM, MED) (M7, M8, M9, M10)
41	1722079P	PANEL, LOWER SERVICE (M1, M2, M3, M4)
41	1722080P	PANEL, LOWER SERVICE (M5, M6)
41	1722081P	PANEL, LOWER SERVICE (M7, M8, M9, M10)
51	1722082P	PANEL, UPPER ACCESS (M1, M2, M3, M4)
51	1722083P	PANEL, UPPER ACCESS (M5, M6)
51	1722084P	PANEL, UPPER ACCESS (M7, M8, M9, M10)
61	1722085	FILTER COVER (M1, M2, M3, M4)
61	1722086	FILTER COVER (M5, M6)
61	1722087	FILTER COVER (M7, M8, M9, M10)
71	1722347	BRACKET, COIL RETAINING
81	1864700	BLOWER CUT-OFF (M9, M10)
81	764733	BLOWER CUT-OFF (M1, M2, M3, M4)
81	764734	BLOWER CUT-OFF (M5, M6)
81	764736	BLOWER CUT-OFF (M7, M8)
101	1717107	ANGLE, BLOWER MOUNTING (M1, M2, M3, M4, M5, M6)
101	1717108	ANGLE, BLOWER MOUNTING (M7, M8, M9, M10)
111	1717109	ANGLE BRACKET
171	B1392641	INSERT, CIRCUIT BREAKER
181	B1392630	GROMMET, TUBING
191	B1392640	COVER, DRAIN HOLE
211	B1756021L	HORIZONTAL DRAIN PAN (M1, M2, M3)
211	B1756022L	HORIZONTAL DRAIN PAN (M4, M5, M6)
211	B1756028L	HORIZONTAL DRAIN PAN (M7, M8, M9, M10)
231	B1796630	TUBE, INLET

Expanded Model Nomenclature

M1 - ARUF018-00A-1
M2 - ARUF024-00A-1
M3 - ARUF030-00A-1
M4 - ARUF032-00A-1
M5 - ARUF036-00A-1
M6 - ARUF042-00A-1
M7 - ARUF048-00A-1
M8 - ARUF049-00A-1
M9 - ARUF060-00A-1
M10 - ARUF061-00A-1