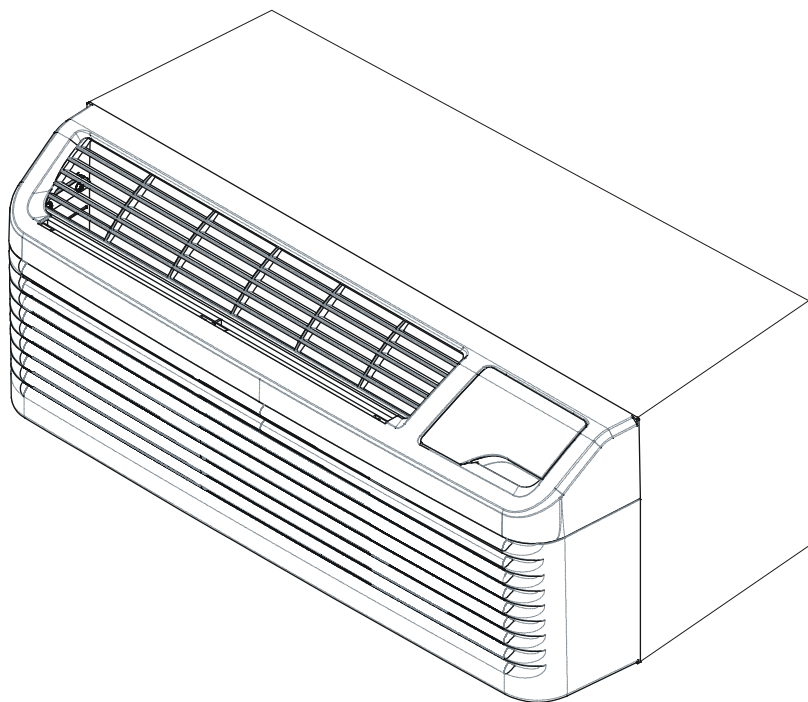


REPAIR PARTS

PTH074G Series PTAC Heat Pump

PTH074G15AXXXAA
PTH074G25AXXXAA
PTH074G25CXXXAA
PTH074G25RXXXAA
PTH074G35AXXXAA
PTH074G35CXXXAA
PTH074G35QRXXAA
PTH074G35QXXXAA
PTH074G35RXXXAA



This manual is to be used by qualified technicians only.

This manual replaces RP-732.

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Important Information

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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.

Introduction of DC motors to meet DOE 2012 requirements.

Rev. A: Added model PTH074G15AXXX.

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:

CAP020150450CS	CAPACITOR 2/15 MFD/450V/DUAL RD
39A167A	COMPRESSOR, RECHI
RSKP0005	CONTROL PANEL COVER AND MEMBRANE
11114701	CORD 277 VAC, 20A
0131P00029	FAN MOTOR, INDOOR
0131P00034	FAN MOTOR, OUTDOOR
0161P00030	FAN, CONDENSER
0275P00026	HEATER ASSY (M1)
0275P00023	HEATER ASSY (M2, M3, M4)
0275P00040	HEATER ASSY (M5, M6, M7, M8, M9)
0130M00132	HIGH PRESSURE SWITCH
60343547	OVERLOAD PROTECTOR
PCBCP134	PCB, CONTROL, M61
0130M00097	RELAY
0130P00073	THERMISTOR
0130P00075	THERMISTOR
0130P00085	THERMISTOR - HEAT PUMP
0130P00077	THERMISTOR - INDOOR (M4, M7, M9)
0130P00084	THERMISTOR - INDOOR COIL
0130P00098	THERMISTOR-OUTDOOR AMBIENT (M4, M7, M9)
0130M00152	TRANSFORMER
PCBEP100	VARIABLE SPEED TERMINAL BOARD
0150P00004	WHEEL, BLOWER

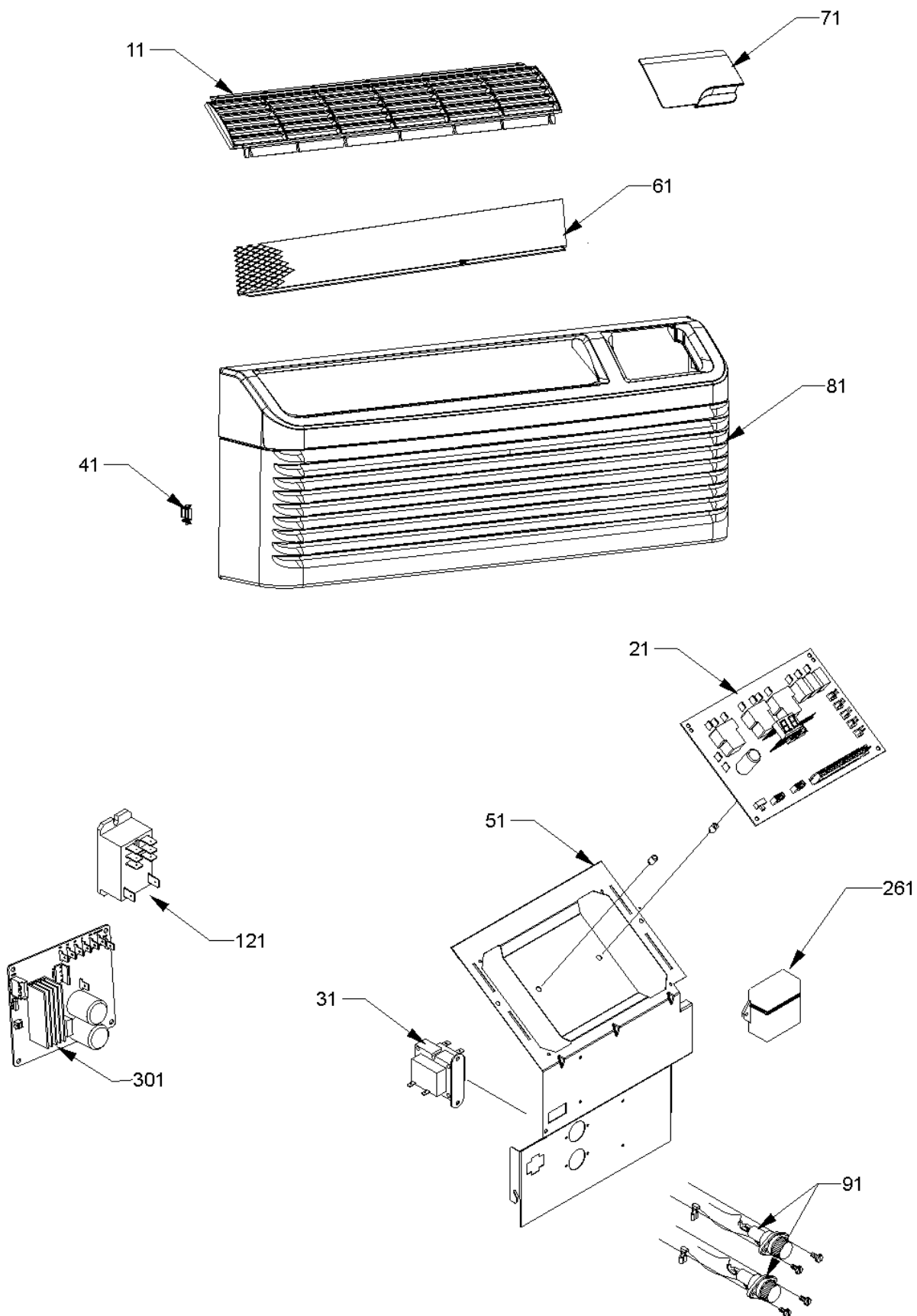
SPECIAL PARTS

A3410402	FUSE 15A (M1, M2, M3, M4)
A3410403	FUSE 20A (M5, M6, M7, M8, M9)

Expanded Model Nomenclature

M1 - PTH074G15AXXXAA
M2 - PTH074G25AXXXAA
M3 - PTH074G25CXXXAA
M4 - PTH074G25RXXXAA
M5 - PTH074G35AXXXAA
M6 - PTH074G35CXXXAA
M7 - PTH074G35QRXXAA
M8 - PTH074G35QXXXAA
M9 - PTH074G35RXXXAA

Front Assy



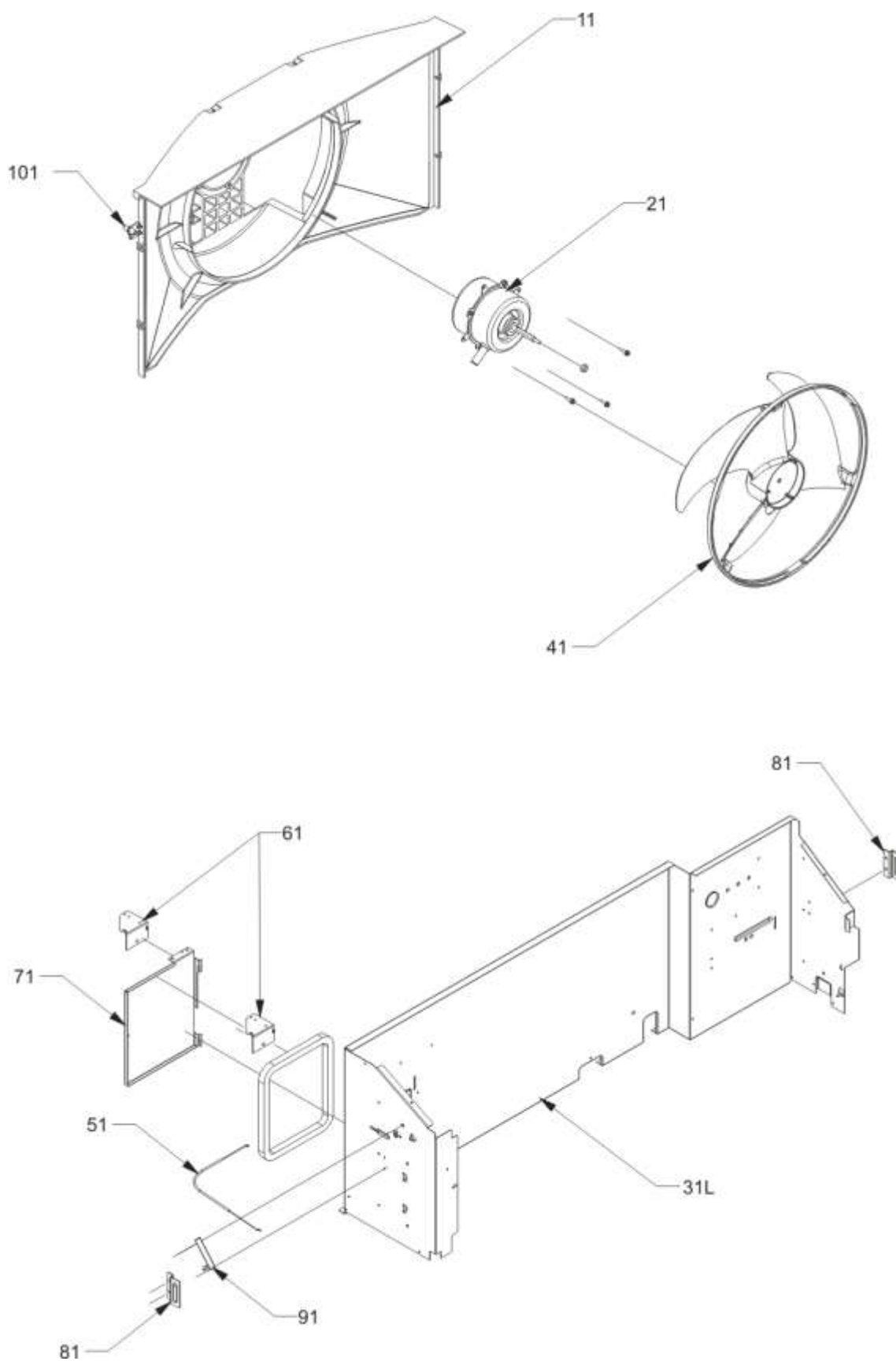
Front Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0161P00033	FRONT-DISCHARGE LOUVERS	
21	PCBCP134	PCB, CONTROL, M61	
31	0130M00152	TRANSFORMER	
41	0163P00025	CLIP (QTY 2)	
51	0121P00129	COVER-CONTROL PANEL	
61	0121P00073	SCREEN, DISCHARGE	
71	0261P00003	DOOR ASSY -AMANA-	
81	0261P00011	FRONT ASSY	
91	C6476001	BAYONET FUSE HOLDER (M1, M2, M3, M4)	
91	C6476002	BAYONET FUSE HOLDER (M5, M6, M7, M8, M9)	
121	0130M00097	RELAY	
261	0130P00104	ANTENNA (M4, M7, M9)	
301	PCBEP100	VARIABLE SPEED TERMINAL BOARD	
NS	0161P00035	FILTER, RACK (QTY 2)	
NS	A3410402	FUSE 15A (M1, M2, M3, M4)	
NS	A3410403	FUSE 20A (M5, M6, M7, M8, M9)	

Expanded Model Nomenclature

M1 - PTH074G15AXXXAA
M2 - PTH074G25AXXXAA
M3 - PTH074G25CXXXAA
M4 - PTH074G25RXXXAA
M5 - PTH074G35AXXXAA
M6 - PTH074G35CXXXAA
M7 - PTH074G35QRXXAA
M8 - PTH074G35QXXXAA
M9 - PTH074G35RXXXAA

Chassis Control Panel



Chassis Control Panel

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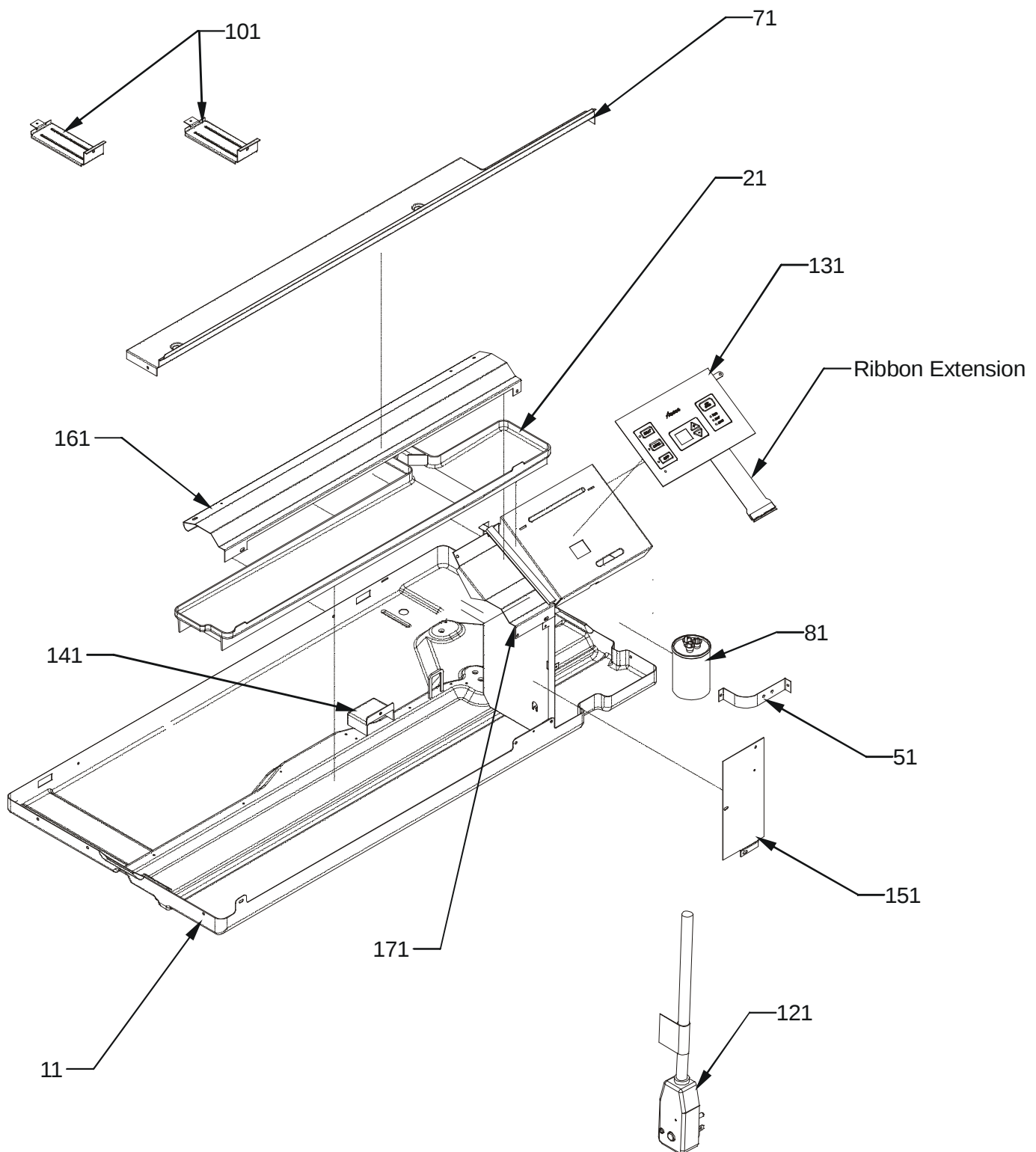
Image 1:

11	0161P00026	SHROUD, CONDENSER
21	0131P00034	FAN MOTOR, OUTDOOR
31	0121P00093	PANEL-PARTITION (M7, M8)
31	0121P00108DG	PANEL-PARTITION (M1, M2, M3, M4, M5, M6, M9)
41	0161P00030	FAN, CONDENSER
51	0163P00019	CABLE (M1, M2, M3, M4, M5, M6, M9)
61	0121P00072DG	BRACKET, VENT DOOR-C (M3, M6)
71	11046105PDG	VENT DOOR (M3, M6)
81	11191703	PARTITION PANEL BRACKET (QTY 2)
91	11046302	LEVER ARM (M1, M2, M3, M4, M5, M6, M9)
101	0130P00098	THERMISTOR-OUTDOOR AMBIENT (M4, M7, M9)

Expanded Model Nomenclature

M1 - PTH074G15AXXXAA
M2 - PTH074G25AXXXAA
M3 - PTH074G25CXXXAA
M4 - PTH074G25RXXXAA
M5 - PTH074G35AXXXAA
M6 - PTH074G35CXXXAA
M7 - PTH074G35QRXXAA
M8 - PTH074G35QXXXAA
M9 - PTH074G35RXXXAA

Partition Assy



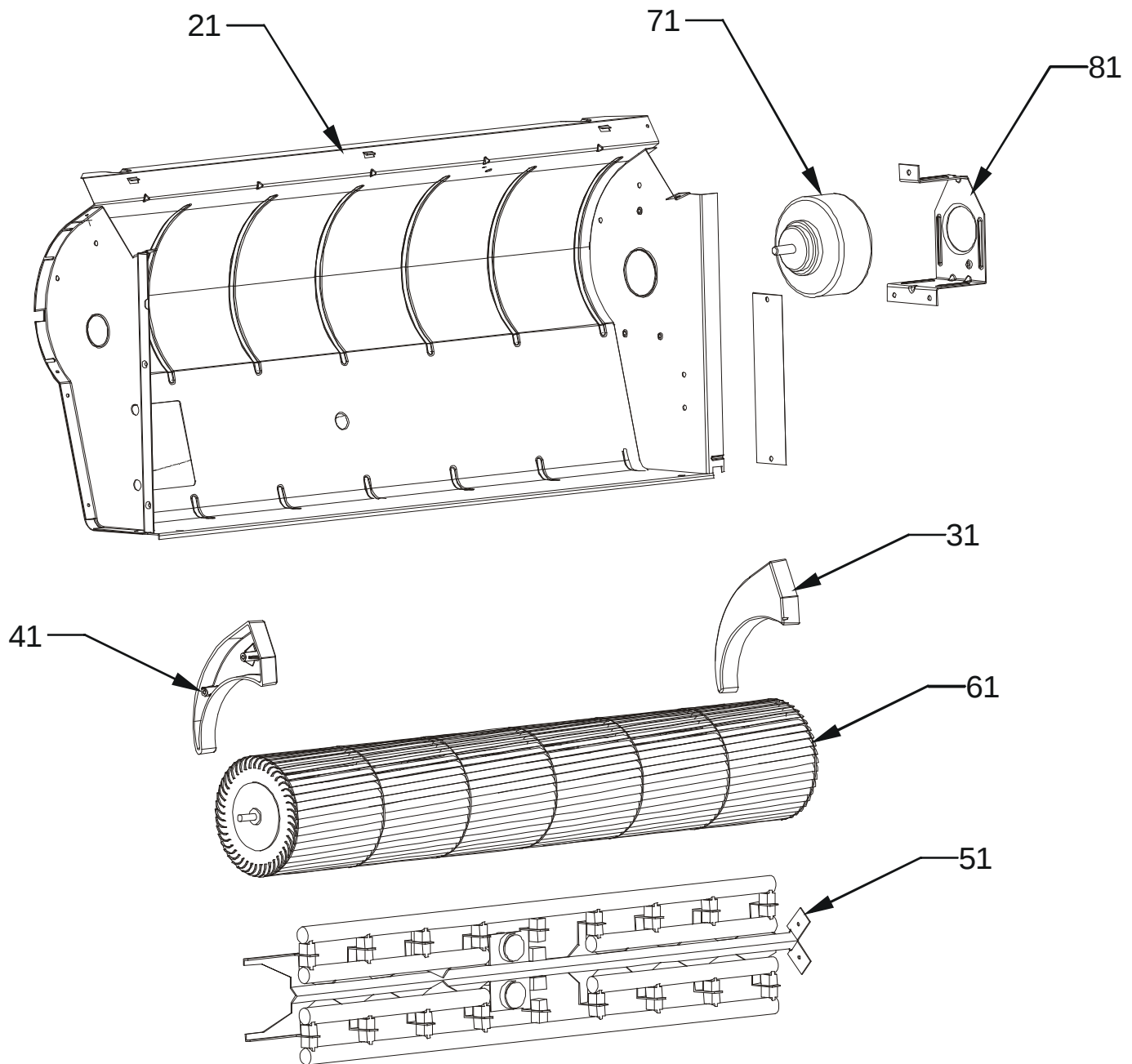
Partition Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0121P00133DG		BASE PAN (M1, M2, M4, M5, M7, M8, M9)
11	0121P00133BR		BASEPAN (M3, M6)
21	0161P00044		PLASTIC-DRAIN PAN
51	C6300502		CAPACITOR STRAP
71	0121P00063DG		TOP, PARTITION PANEL
81	CAP020150450CS		CAPACITOR 2/15 MFD/450V/DUAL RD
101	0121P00071DG		BRACE, TIE (M3, M6)
121	11114701		CORD 277 VAC, 20A
131	RSKP0005		CONTROL PANEL COVER AND MEMBRANE
141	0161P00016		PLASTIC-HOOD
151	20410801		ACCESS COVER
161	0121P00061DG		CUTOFF-SCROLL DG
171	0121P00070DG		COVER, MOTOR
NS	20403301		MID PARTITION PANEL
NS	20416201		SEAL-L SIDE PTC
NS	20416101		SEAL-R SIDE PTC

Expanded Model Nomenclature

M1 - PTH074G15AXXXAA
M2 - PTH074G25AXXXAA
M3 - PTH074G25CXXXAA
M4 - PTH074G25RXXXAA
M5 - PTH074G35AXXXAA
M6 - PTH074G35CXXXAA
M7 - PTH074G35QRXXAA
M8 - PTH074G35QXXXAA
M9 - PTH074G35RXXXAA

Indoor Assy



Indoor Assy

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

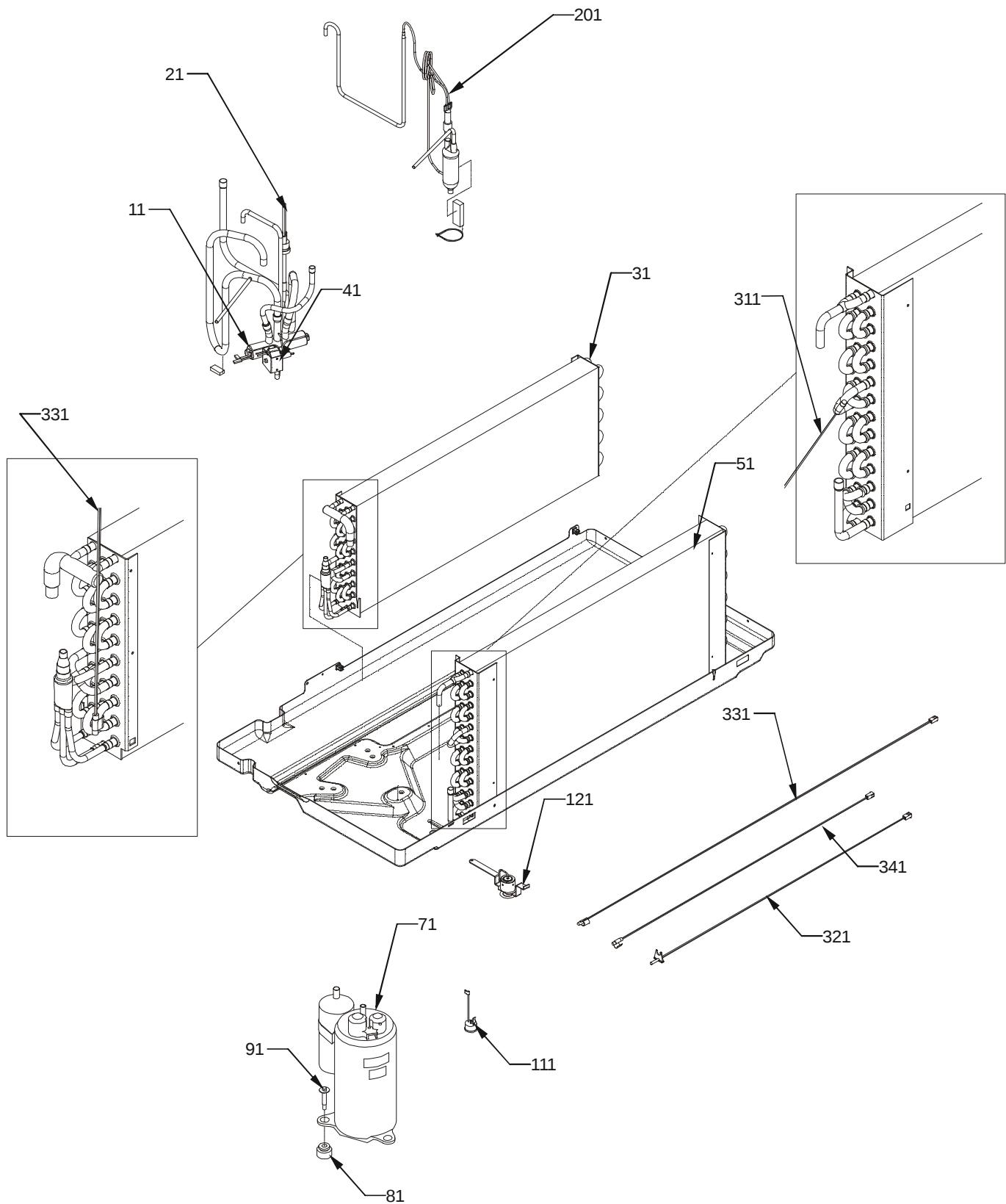
Image 1:

21	0270P01070	SCROLL ASSY
31	0161P00021	END CAP, RIGHT
41	0161P00022	END CAP, LEFT
51	0275P00023	HEATER ASSY (M2, M3, M4)
51	0275P00026	HEATER ASSY (M1)
51	0275P00040	HEATER ASSY (M5, M6, M7, M8, M9)
61	0150P00004	WHEEL, BLOWER
71	0131P00029	FAN MOTOR, INDOOR
81	0121P00048	BRACKET-MOTOR MOUNT
NS	0163P00027	BEARING

Expanded Model Nomenclature

M1 - PTH074G15AXXXAA
M2 - PTH074G25AXXXAA
M3 - PTH074G25CXXXAA
M4 - PTH074G25RXXXAA
M5 - PTH074G35AXXXAA
M6 - PTH074G35CXXXAA
M7 - PTH074G35QRXXAA
M8 - PTH074G35QXXXAA
M9 - PTH074G35RXXXAA

Tubing Assy



Tubing Assy

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
Image 1:			
11	0151P00001		REVERSING VALVE ASSY-265V
21	0130M00132		HIGH PRESSURE SWITCH
31	0202P00067		EVAP ASSY, 3/8, 2 ROW
41	0130P00022		REVERSING VALVE COIL
51	0201P00082		COND ASSY, 5/16, 2 ROW (M1, M2, M4, M5, M7, M8, M9)
51	0201P00085DG		CONDENSER ASSY (M3, M6)
71	39A167A		COMPRESSOR, RECHI
81	60110202		GROMMET - RECHI COMPRESSOR (QTY 3)
91	M0253661		SHOULDER SCREW (QTY 3)
111	60343547		OVERLOAD PROTECTOR
121	20406303		BASE PAN VALVE
201	0210P00181		CAPILLARY WELDMENT
311	0130P00085		THERMISTOR - HEAT PUMP
321	0130P00073		THERMISTOR
331	0130P00084		THERMISTOR - INDOOR COIL
341	0130P00075		THERMISTOR
NS	60500101		OLP SPRING - RECHI COMPRESSOR
NS	60100314		TERMINAL COVER - RECHI COMP
NS	60100103		TERMINAL GASKET
NS	60100401		TERMINAL NUT - RECHI COMP
NS	0130P00077		THERMISTOR - INDOOR (M4, M7, M9)
NS	60100201		WASHER - RECHI COMPRESSOR

Expanded Model Nomenclature

M1 - PTH074G15AXXXAA
M2 - PTH074G25AXXXAA
M3 - PTH074G25CXXXAA
M4 - PTH074G25RXXXAA
M5 - PTH074G35AXXXAA
M6 - PTH074G35CXXXAA
M7 - PTH074G35QRXXXAA
M8 - PTH074G35QXXXAA
M9 - PTH074G35RXXXAA