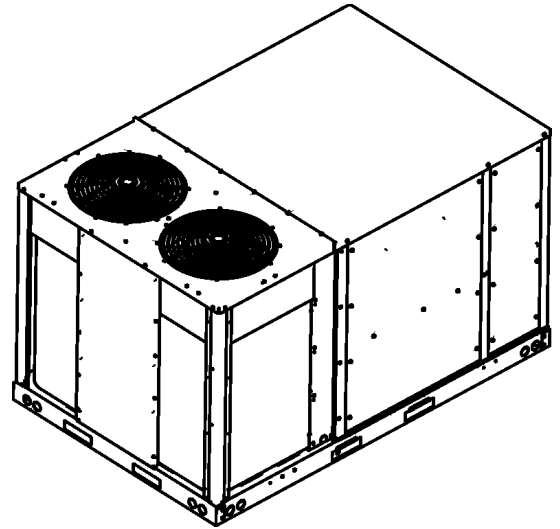


## DSC 12.5 Ton Package Cooling Unit

DSC1503D000001SAA

DSC1504D000001SAA

DSC1507D000001SAA



This manual is to be used by qualified technicians only.

## Important Information

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### Index

|                              |        |
|------------------------------|--------|
| Functional Parts List .....  | 3      |
| Illustration and Parts ..... | 4 - 15 |

*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<br>M1 - Model#1<br>M2 - Model#2<br>M3 - Model#3 |
|---------------------------------------------------------|

Daikin Comfort Technologies Manufacturing , 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, Daikin Comfort Technologies Manufacturing , L.P. also recommends contacting an authorized technician and using authorized factory parts.

Daikin Comfort Technologies Manufacturing , 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:  
Equipment Support  
Daikin Comfort Technologies Manufacturing , L.P.  
19001 Kermier Road  
Waller, Texas 77484  
855-770-5678-Telephone  
713-863-2382-Facsimile

For assistance outside the U.S.A. contact:  
International Division  
Daikin Comfort Technologies Manufacturing , L.P.  
19001 Kermier Road  
Waller, Texas 77484  
713-861-2500-Telephone  
713-863-2382-Facsimile

# Functional Parts

## Part

## No: Description:

---

|                |                                     |
|----------------|-------------------------------------|
| 0131L00125     | BLOWER MOTOR 2.4 HP (M3)            |
| 0131L00122     | BLOWER MOTOR 2.4 HP (M1)            |
| 0131L00124     | BLOWER MOTOR 2.4 HP (M2)            |
| CAP100000370LA | CAP, 10 MFD/370V/OVAL (QTY 2)       |
| YP61K1TTF5ASH  | COMPRESSOR (M1)                     |
| YP61K1TTFDASH  | COMPRESSOR (M2)                     |
| YP61K1TTFEASH  | COMPRESSOR (M3)                     |
| CONT3P030024D  | CONT, 3 POLE, 30 AMP, 24VAC (QTY 3) |
| 0130M00178     | DPDT RELAY 24VAC (QTY 3)            |
| 0131M00925     | Nidec Motor, 1/2 HP (M1)            |
| 0131M00926     | Nidec Motor, 1/2 HP (M2)            |
| 0131M00930     | Nidec Motor, 1/2 HP (M3)            |
| PCBCM301V0001  | PCB CONTROL AIR HANDLER             |
| 0131L00422     | PROGRAMMED MOTOR CONTROLLER         |
| 10135604       | RELAY                               |
| SER2A08012     | SENSATA R32 SENSOR                  |
| 0130M00730     | SWITCH, HIGH PRESSURE (QTY 2)       |
| 0130M00732     | SWITCH, LOW PRESSURE (QTY 2)        |
| B1370772       | TIME DELAY ICM 180SEC DELA (QTY 2)  |
| 0130M00858     | TRANSFORMER (M2)                    |
| 0130M00859     | TRANSFORMER (M1)                    |
| 0130M00861     | TRANSFORMER (M3)                    |

## SPECIAL PARTS

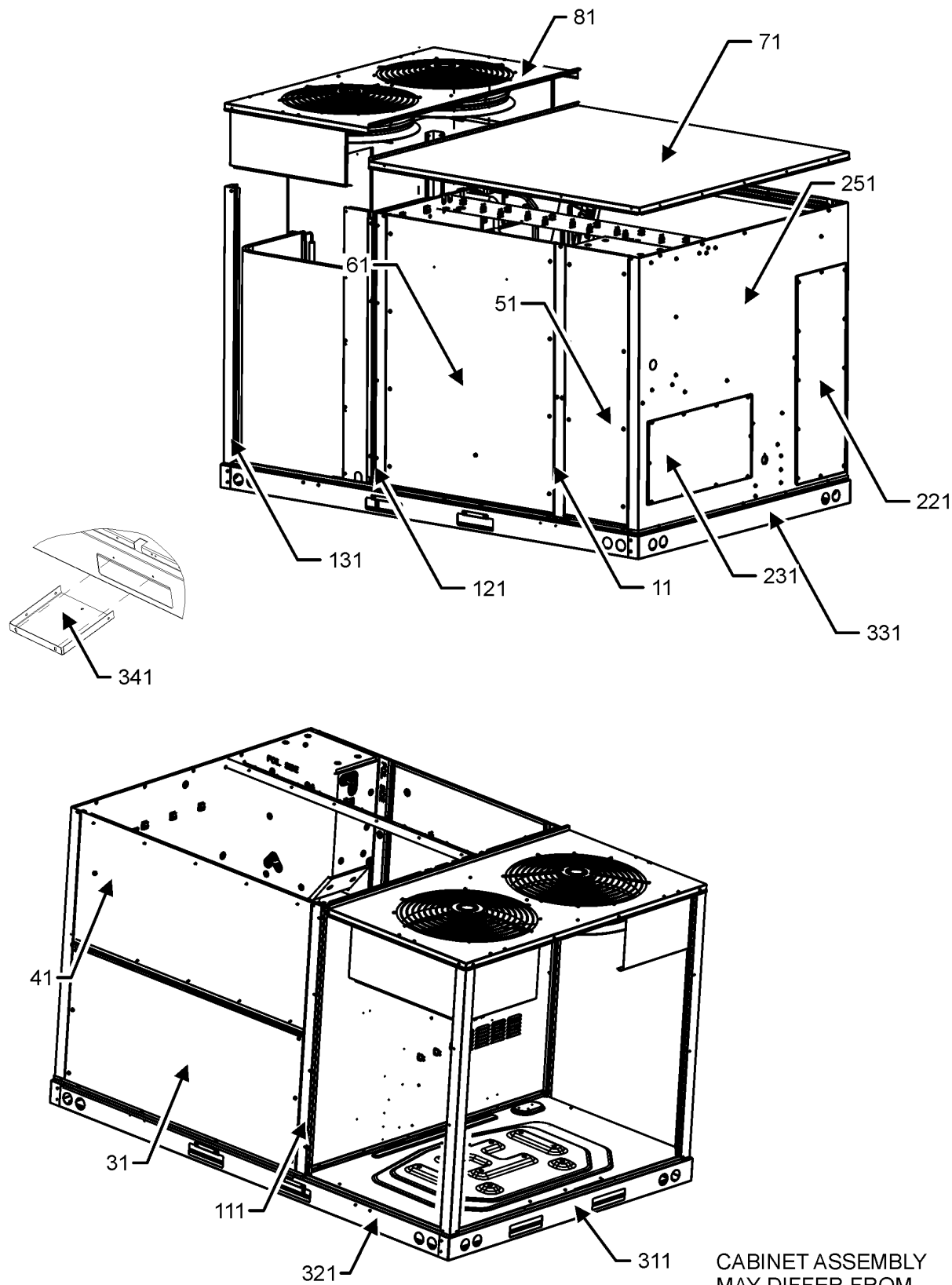
|               |                      |
|---------------|----------------------|
| RP-FIOPM*     | ACCESSORY RP MANUAL  |
| RP-EHX(D/B)M* | HEATER KIT RP MANUAL |
| RP-EHS(D/B)M* | HEATER KIT RP MANUAL |

## Expanded Model Nomenclature

|                                                                            |
|----------------------------------------------------------------------------|
| M1 - DSC1503D000001SAA<br>M2 - DSC1504D000001SAA<br>M3 - DSC1507D000001SAA |
|----------------------------------------------------------------------------|

# CABINET ASSEMBLY

## CABINET ASSEMBLY



CABINET ASSEMBLY  
MAY DIFFER FROM  
WHAT IS SHOWN

# CABINET ASSEMBLY

| Ref. Part<br>No: No: | Description: | Ref. Part<br>No: No: | Description: |
|----------------------|--------------|----------------------|--------------|
|----------------------|--------------|----------------------|--------------|

## Image 1:

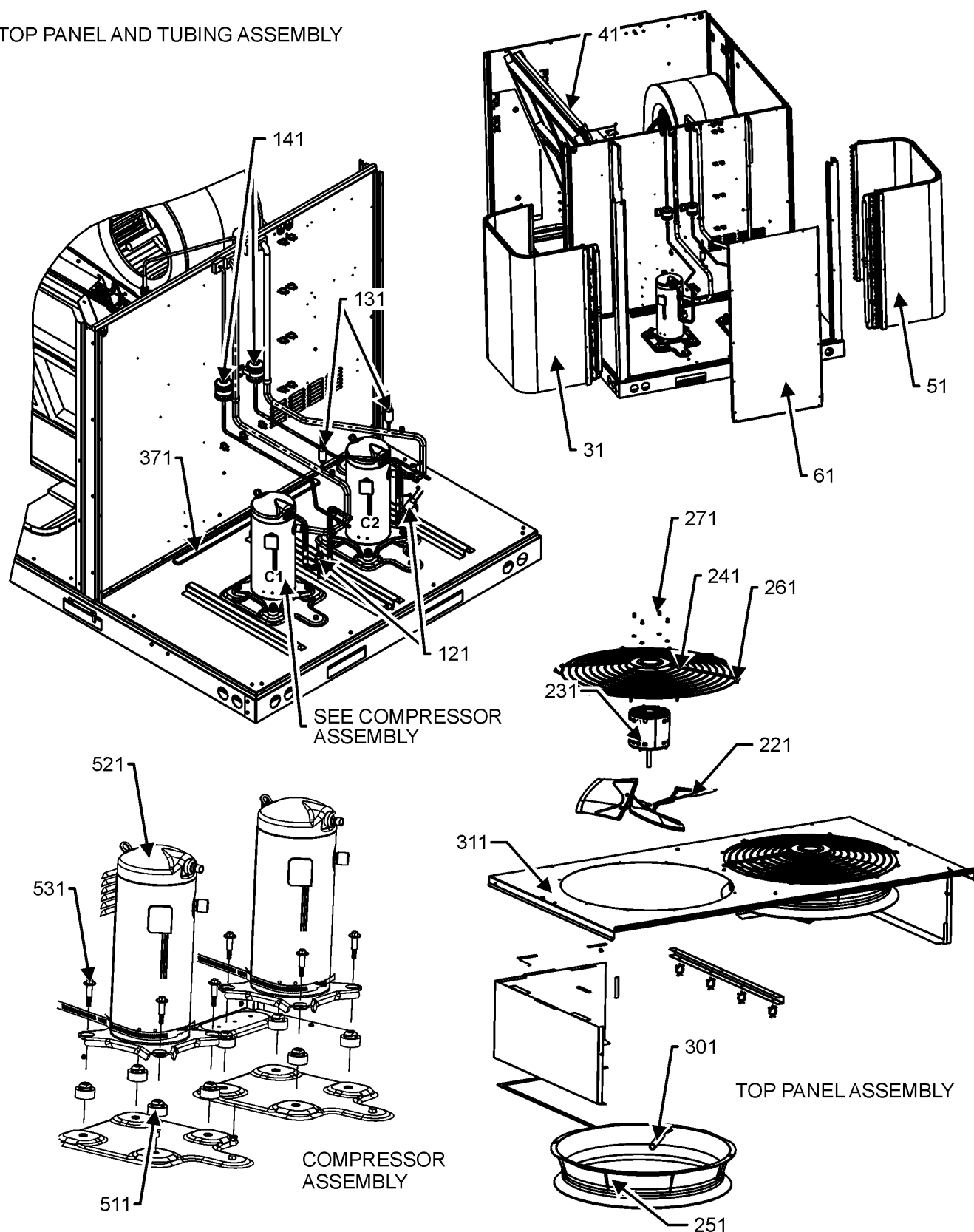
|     |              |                                     |
|-----|--------------|-------------------------------------|
| 11  | 0121L04041SB | PAINTED, PANEL, SIDE POST           |
| 31  | 0121L04312SB | PAINTED, ECONOMIZER PANEL           |
| 41  | 0121L04447SB | PAINTED, PANEL, FILTER              |
| 51  | 0121L02952SB | PAINTED CONTROL PANEL               |
| 61  | 0121L03821SB | PAINTED BLOWER PANEL                |
| 71  | 0121L04551SB | PAINTED, PANEL, TOP INDOOR          |
| 81  | 0121L05353SB | PAINTED, PANEL, TOP OUTDOOR         |
| 111 | 0121L03187SB | PAINTED, SIDE POST                  |
| 121 | 0121L03469SB | PAINTED, SIDE POST                  |
| 131 | 0121L04552SB | PAINTED, PANEL, CORNER POST (QTY 2) |
| 221 | 0121L03508SB | PAINTED COVER DUCT RETURN           |
| 231 | 0121L02921SB | PAINTED COVER DUCT SUPPLY           |
| 251 | 0121L03508SB | PAINTED, COVER, DUCT, PANEL         |
| 311 | 0121L04565   | END RAIL                            |
| 321 | 0121L04764   | SIDE RAIL (QTY 2)                   |
| 331 | 0121L05103   | RAIL, END                           |
| 341 | 0121L03727   | BRACKET-FORK BOARD (QTY 4)          |
| NS  | 0160L00137   | AIR FILTER (QTY 2)                  |
| NS  | 0160L00267   | AIR FILTER (QTY 2)                  |
| NS  | 0141L00084   | BOARD FORK (QTY 2)                  |
| NS  | 0270L02745   | FILTER RACK ASSEMBLY                |
| NS  | 0121L04612SB | PAINTED COVER-DISC SWITCH           |
| NS  | 0121L03958SB | PAINTED, DRAIN PAN COVER            |
| NS  | 0121L03932SB | PNT, CONVENIENCE COVER LT COMM      |

## Expanded Model Nomenclature

|                        |
|------------------------|
| M1 - DSC1503D000001SAA |
| M2 - DSC1504D000001SAA |
| M3 - DSC1507D000001SAA |

# TOP PANEL AND TUBING ASSEMBLY

## TOP PANEL AND TUBING ASSEMBLY



TOP PANEL AND TUBING ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

# TOP PANEL AND TUBING ASSEMBLY

| Ref. Part<br>No: No: | Description:  | Ref. Part<br>No: No: | Description:                      |
|----------------------|---------------|----------------------|-----------------------------------|
| <b>Image 1:</b>      |               |                      |                                   |
| 31                   | 0201L00907    |                      | ASSY., COND COIL, BENT            |
| 41                   | 0202L00710    |                      | EVAP COIL CIRCUITING ASSEMBLY     |
| 51                   | 0201L00908    |                      | ASSY., COND COIL, BENT            |
| 61                   | 0121L04869SB  |                      | PAINTED, COIL BLOCKOFF            |
| 121                  | 0130M00730    |                      | SWITCH, HIGH PRESSURE (QTY 2)     |
| 131                  | 0130M00732    |                      | SWITCH, LOW PRESSURE (QTY 2)      |
| 141                  | 0151M00106    |                      | FILTER/DRIER-BI-FLOW (QTY 4)      |
| 221                  | 0150M00065    |                      | FAN BLADE, 22" (QTY 2)            |
| 231                  | 0131M00925    |                      | Nidec Motor, 1/2 HP (M1)          |
| 231                  | 0131M00926    |                      | Nidec Motor, 1/2 HP (M2)          |
| 231                  | 0131M00930    |                      | Nidec Motor, 1/2 HP (M3)          |
| 241                  | 0152G00000    |                      | FAN GRILLE, RAISED (QTY 2)        |
| 251                  | 0161R00048    |                      | MOLDED RING VENTURI 22 (QTY 2)    |
| 261                  | 0163M00004    |                      | SCREW #10X3/4 BLK (QTY 16)        |
| 271                  | 0163M00006P   |                      | NUT, ACORN 5/16 HEX BLACK (QTY 8) |
| 301                  | 0161R00124    |                      | CONDUIT (QTY 2)                   |
| 311                  | 0121L05353SB  |                      | PAINTED, PANEL, TOP OUTDOOR       |
| 371                  | 0121L04115    |                      | CHANNEL, BASEPAN                  |
| 511                  | B1339533      |                      | GROMMET, COMPRESSOR (QTY 8)       |
| 521                  | YP61K1TTF5ASH |                      | COMPRESSOR (M1)                   |
| 521                  | YP61K1TTFDASH |                      | COMPRESSOR (M2)                   |
| 521                  | YP61K1TTFEASH |                      | COMPRESSOR (M3)                   |
| 531                  | B1393740      |                      | COMP BOLT & SLEEVE (QTY 8)        |
| NS                   | 20333401      |                      | GROMMET-HORSESHOE (QTY 2)         |
| NS                   | 0159L00066    |                      | HARNESS, COMP SCROLL (M2, M3)     |
| NS                   | 0159L00068    |                      | HARNESS, COMP SCROLL (M1)         |
| NS                   | 0159L00153    |                      | HARNESS, COMP SCROLL (M2, M3)     |
| NS                   | 0159L00154    |                      | HARNESS, COMP SCROLL (M1)         |
| NS                   | 0251L00203    |                      | TXV, & FLOWRATOR ASSEMBLY         |
| NS                   | 0251L00204    |                      | TXV, & FLOWRATOR ASSEMBLY         |
| NS                   | M0272803      |                      | WASHER LOCK (QTY 2)               |
| NS                   | 0163M00005P   |                      | WASHER, BLACK .50OD.218ID (QTY 8) |

## Expanded Model Nomenclature

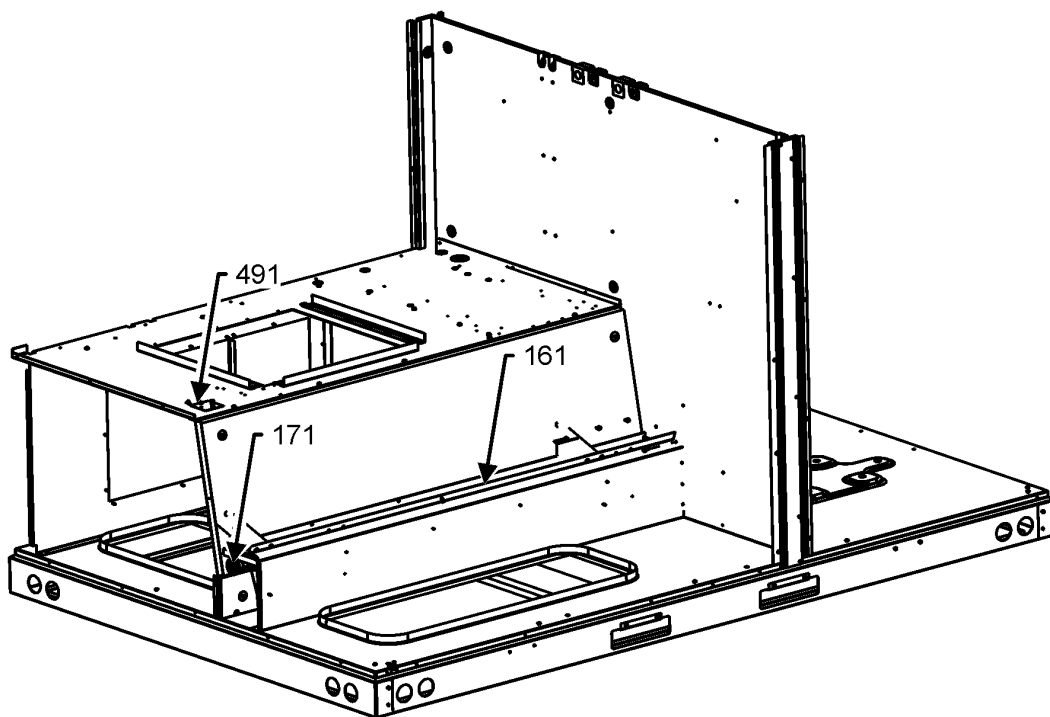
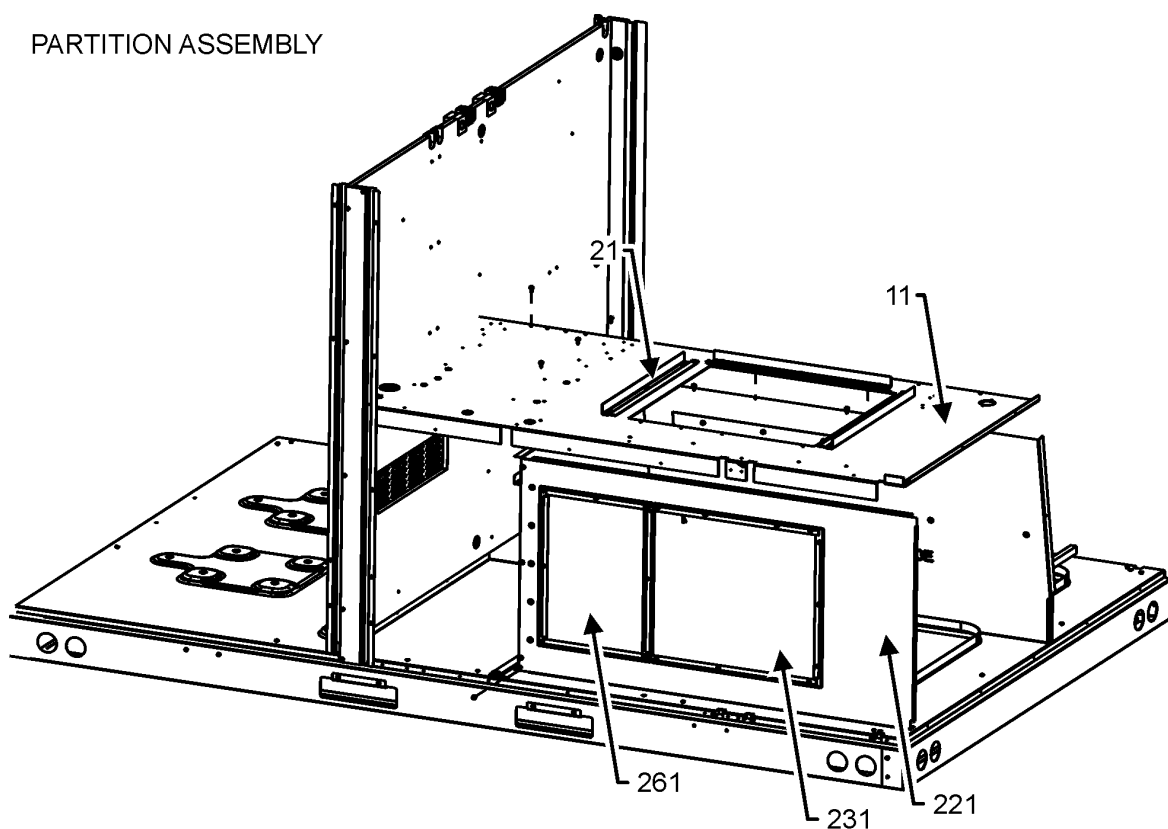
M1 - DSC1503D000001SAA

M2 - DSC1504D000001SAA

M3 - DSC1507D000001SAA

# PARTITION ASSEMBLY

PARTITION ASSEMBLY



PARTITION ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

# PARTITION ASSEMBLY

## Ref. Part

No: No:

Description:

## Ref. Part

No: No:

Description:

### Image 1:

|     |            |                            |
|-----|------------|----------------------------|
| 11  | 0121L05380 | PANEL, BLOWER DECK         |
| 21  | 0121L05524 | BLOWER SLIDE PLATE (QTY 3) |
| 161 | 0161L00002 | DRAIN PAN EVAP 7TO12       |
| 171 | 0154L00180 | GASKET, DRAIN PAN          |
| 221 | 0121L04010 | PANEL FRONT, EHK           |
| 231 | 0121L03965 | PNL, COVER EHK             |
| 261 | 0121L03458 | PANEL EHK BLOCK OFF        |
| 491 | 0121L00321 | COVER SMOKE DETECTOR       |
| NS  | 0163L00071 | PLUG, DRAIN                |

### Expanded Model Nomenclature

M1 - DSC1503D000001SAA

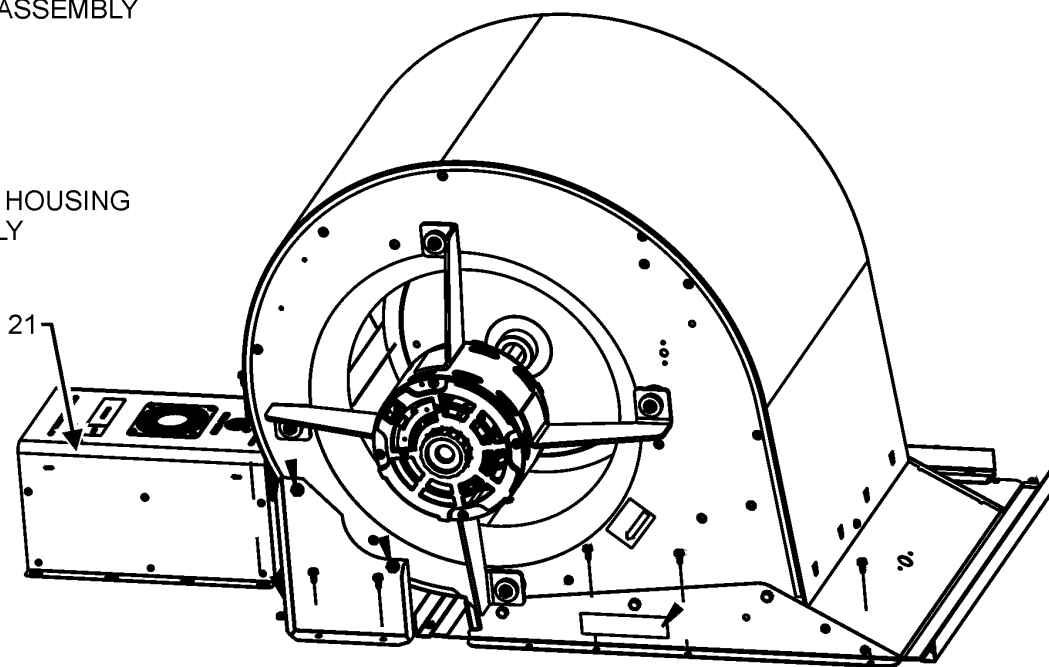
M2 - DSC1504D000001SAA

M3 - DSC1507D000001SAA

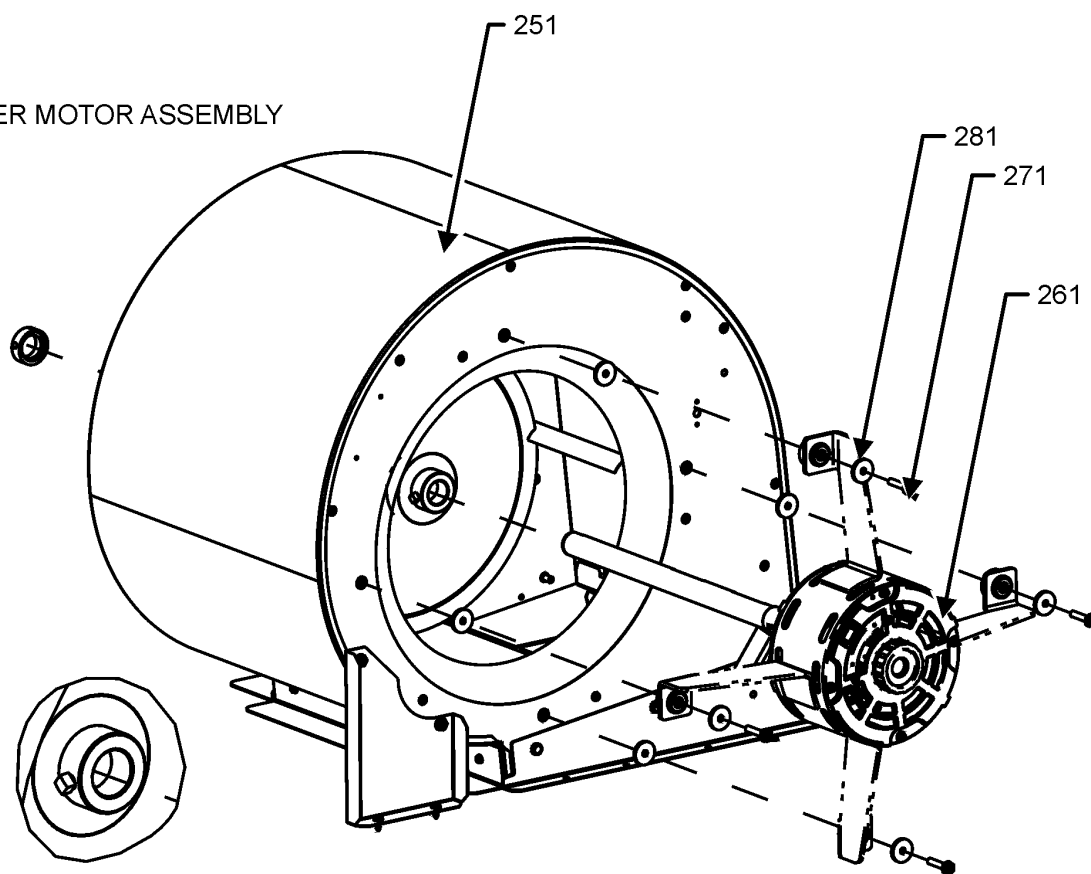
# BLOWER ASSEMBLY

## BLOWER ASSEMBLY

### BLOWER HOUSING ASSEMBLY



### BLOWER MOTOR ASSEMBLY



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

# BLOWER ASSEMBLY

| Ref. Part<br>No: No: | Description: | Ref. Part<br>No: No: | Description: |
|----------------------|--------------|----------------------|--------------|
|----------------------|--------------|----------------------|--------------|

## Image 1:

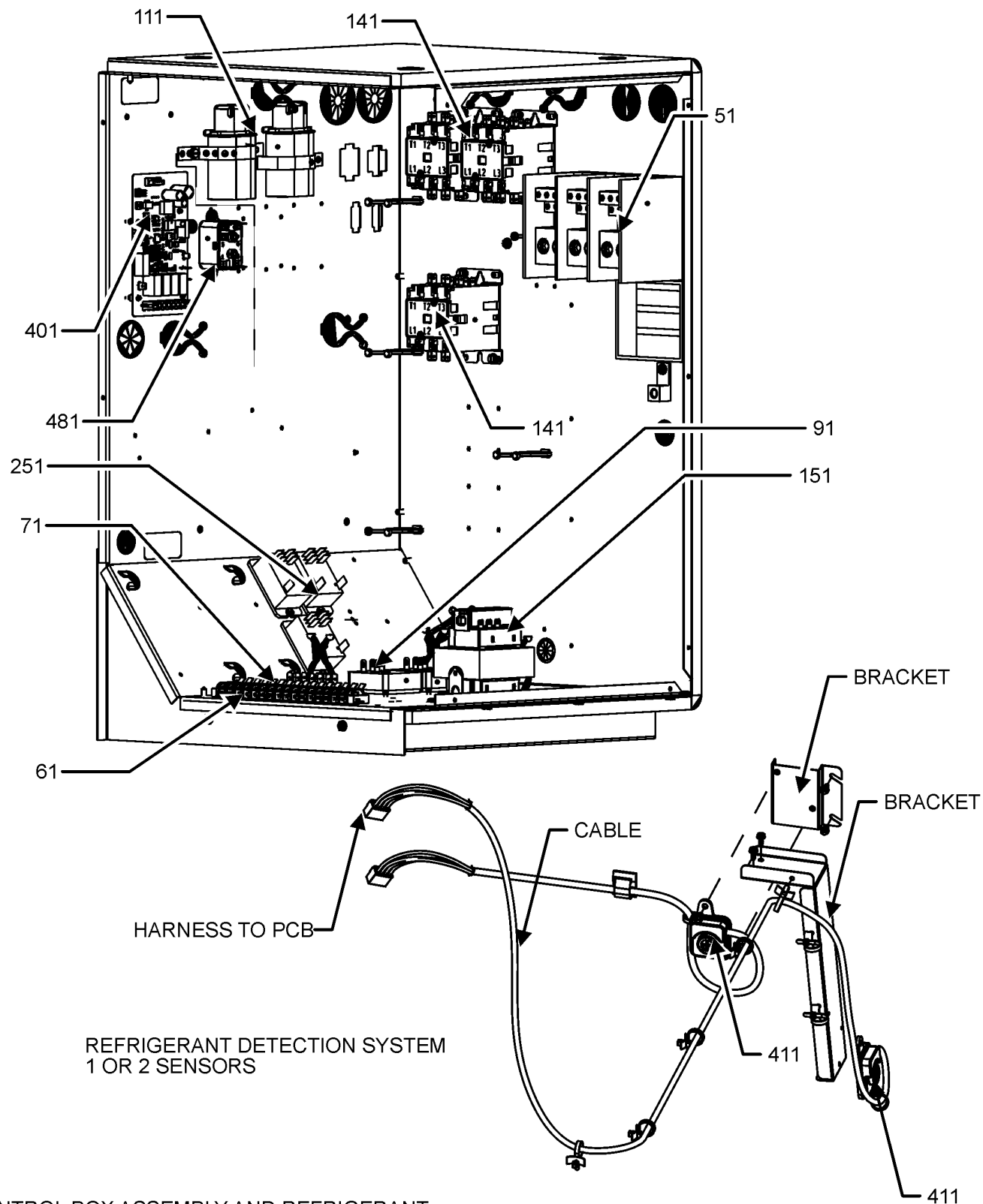
|     |            |                               |
|-----|------------|-------------------------------|
| 21  | 0131L00422 | PROGRAMMED MOTOR CONTROLLER   |
| 251 | 0271L00148 | ASSY, BLOWER PURCHASED 16X18  |
| 261 | 0131L00122 | BLOWER MOTOR 2.4 HP (M1)      |
| 261 | 0131L00124 | BLOWER MOTOR 2.4 HP (M2)      |
| 261 | 0131L00125 | BLOWER MOTOR 2.4 HP (M3)      |
| 271 | M0250565   | SCREW-TC 1.25" (QTY 4)        |
| 281 | B1392918   | WASHER FLAT 1/4IDX1OD (QTY 8) |
| NS  | 0121L04070 | BRACKET BLOWER HOUSING        |

## Expanded Model Nomenclature

|                        |
|------------------------|
| M1 - DSC1503D000001SAA |
| M2 - DSC1504D000001SAA |
| M3 - DSC1507D000001SAA |

# CONTROL BOX AND REFRIGERANT DETECTION

## CONTROL BOX ASSEMBLY AND REFRIGERANT DETECTION SYSTEM



CONTROL BOX ASSEMBLY AND REFRIGERANT  
DETECTION SYSTEM MAY DIFFER FROM WHAT IS SHOWN

# CONTROL BOX AND REFRIGERANT DETECTION

| Ref. Part<br>No: No: | Description: | Ref. Part<br>No: No: | Description: |
|----------------------|--------------|----------------------|--------------|
|----------------------|--------------|----------------------|--------------|

## Image 1:

|     |                |                                     |
|-----|----------------|-------------------------------------|
| 51  | 0130L00217     | POWER,BLOCK                         |
| 61  | 0130M00038     | TERMINAL BOARD                      |
| 71  | 802007090      | TERM BOARD                          |
| 91  | B1370772       | TIME DELAY ICM 180SEC DELA (QTY 2)  |
| 111 | CAP100000370LA | CAP, 10 MFD/370V/OVAL (QTY 2)       |
| 131 | 0164M00127     | BOOT, CAPACITOR (QTY 2)             |
| 141 | CONT3P030024D  | CONT, 3 POLE, 30 AMP, 24VAC (QTY 3) |
| 151 | 0130M00858     | TRANSFORMER (M2)                    |
| 151 | 0130M00859     | TRANSFORMER (M1)                    |
| 151 | 0130M00861     | TRANSFORMER (M3)                    |
| 251 | 0130M00178     | DPDT RELAY 24VAC (QTY 3)            |
| 401 | PCBCM301V0001  | PCB CONTROL AIR HANDLER             |
| 411 | SER2A08012     | SENSATA R32 SENSOR                  |
| 481 | 10135604       | RELAY                               |
| NS  | 20520901       | STRAP-CAPACITOR (QTY 7)             |
| NS  | 0259L02282     | WIRE HARNESS ASSY                   |
| NS  | 0259L02449     | WIRE HARNESS ASSY                   |

## Expanded Model Nomenclature

|                        |
|------------------------|
| M1 - DSC1503D000001SAA |
| M2 - DSC1504D000001SAA |
| M3 - DSC1507D000001SAA |

# ACCESSORY PARTS LIST

NOTE: NOT ALL OPTIONS AVAILABLE FOR ALL PRODUCTS

FOR ACCESSORY PARTS SEE THE FOLLOWING PART MANUAL

## RP-FIOPMC

| Ref. Part<br>No: No: | Description: | Ref. Part<br>No: No: | Description: |
|----------------------|--------------|----------------------|--------------|
|----------------------|--------------|----------------------|--------------|

---

**Image 1:**

|    |               |                      |
|----|---------------|----------------------|
| NS | RP-FIOPM*     | ACCESSORY RP MANUAL  |
| NS | RP-EHS(D/B)M* | HEATER KIT RP MANUAL |
| NS | RP-EHX(D/B)M* | HEATER KIT RP MANUAL |

**Expanded Model Nomenclature**

|                                                                            |
|----------------------------------------------------------------------------|
| M1 - DSC1503D000001SAA<br>M2 - DSC1504D000001SAA<br>M3 - DSC1507D000001SAA |
|----------------------------------------------------------------------------|