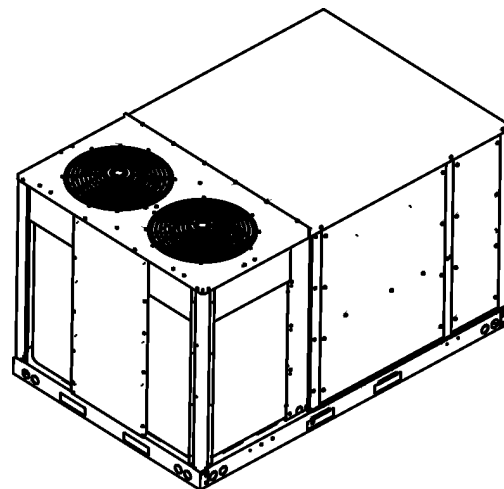


## DSH 8.5 Ton Package Heat Pump

DSH1023D000001SAA

DSH1024D000001SAA

DSH1027D000001SAA



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:

|                |                                     |
|----------------|-------------------------------------|
| B1226207       | ACCUMULATOR (QTY 2)                 |
| 0130M00913     | AUXILLARY SWITCH (QTY 2)            |
| CAP100000370LA | CAP, 10 MFD/370V/OVAL (M1, M2)      |
| CAP050000440LA | CAPACITOR (M3)                      |
| YP44K1TTFEASC  | COMPRESSOR (M3)                     |
| YP44K1TTF5ASC  | COMPRESSOR (M1)                     |
| YP44K1TTFDASC  | COMPRESSOR (M2)                     |
| CONT2P030024D  | CONT, 2 POLE, 30 AMP, 24VAC         |
| CONT3P030024D  | CONT, 3 POLE, 30 AMP, 24VAC (QTY 3) |
| 0130M00197     | CONTROL, DEFROST (QTY 2)            |
| 0130L00297     | CRANK CASE HEATER - 40W 240V (M1)   |
| 0130L00296     | CRANK CASE HEATER - 40W 240V (M1)   |
| 0130L00298     | CRANK CASE HEATER - 40W 480V (M2)   |
| 0130L00299     | CRANK CASE HEATER - 40W 480V (M2)   |
| 0130L00301     | CRANK CASE HEATER - 40W 575V (M3)   |
| 0130L00300     | CRANK CASE HEATER - 40W 575V (M3)   |
| 0130M00178     | DPDT RELAY 24VAC (QTY 7)            |
| 0162L00130     | FILTER DRIER (QTY 2)                |
| 0131L00175     | MOTOR, BLOWER (M1)                  |
| 0131L00176     | MOTOR, BLOWER (M2)                  |
| 0131L00177     | MOTOR, BLOWER (M3)                  |
| 0131M00907     | MOTOR, HP, 1/3, OD (M2)             |
| 0131M00908     | MOTOR, HP, 1/3, OD, LAK (M3)        |
| 0131M00906     | MOTOR, HP, 1/3, SP, 1, PL, 6 (M1)   |
| PCBCM301V0001  | PCB CONTROL AIR HANDLER             |
| PCBDM101       | PCB DEFROST CONTROL                 |
| 0131L00462     | PROGRAMMED MOTOR CONTROLLER         |
| 10135604       | RELAY                               |
| 0151R00071     | REVERSING VALVE (QTY 2)             |
| SER2A08012     | SENSATA R32 SENSOR                  |
| 0130M00730     | SWITCH, HIGH PRESSURE (QTY 2)       |
| 0130M00733     | SWITCH, LOW PRESSURE (QTY 2)        |
| B1370772       | TIME DELAY ICM 180SEC DELA (QTY 2)  |
| 0130L00319     | TRANSFORMER (M1)                    |
| 0130L00320     | TRANSFORMER (M3)                    |
| 0130L00318     | TRANSFORMER (M2)                    |
| 0251L00219     | TXV, & FLOWRATOR ASSEMBLY           |
| 0251L00220     | TXV, & FLOWRATOR ASSEMBLY           |

## SPECIAL PARTS

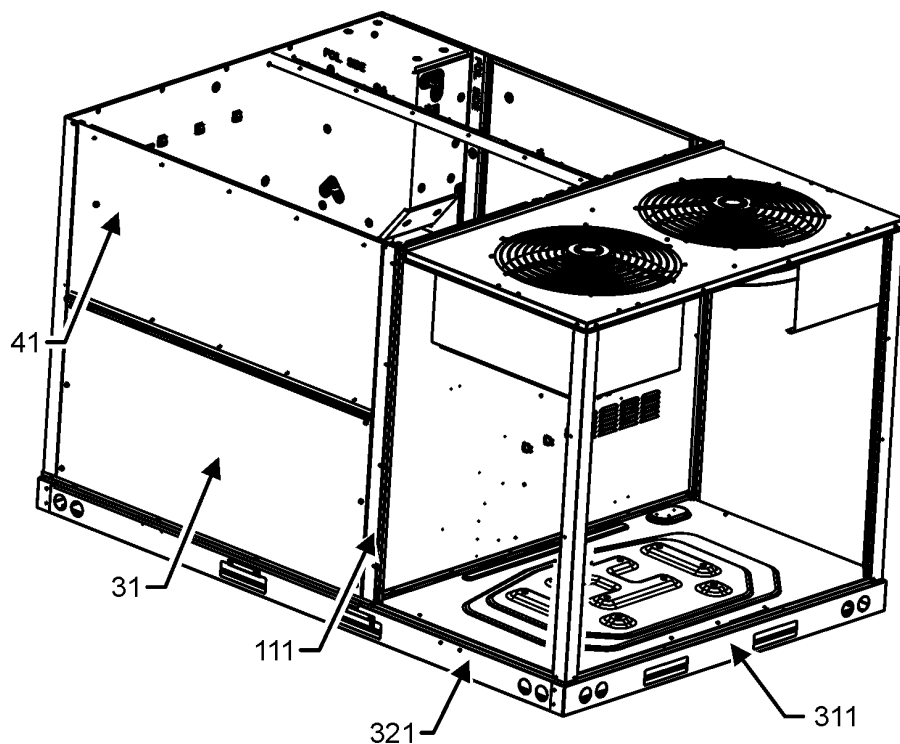
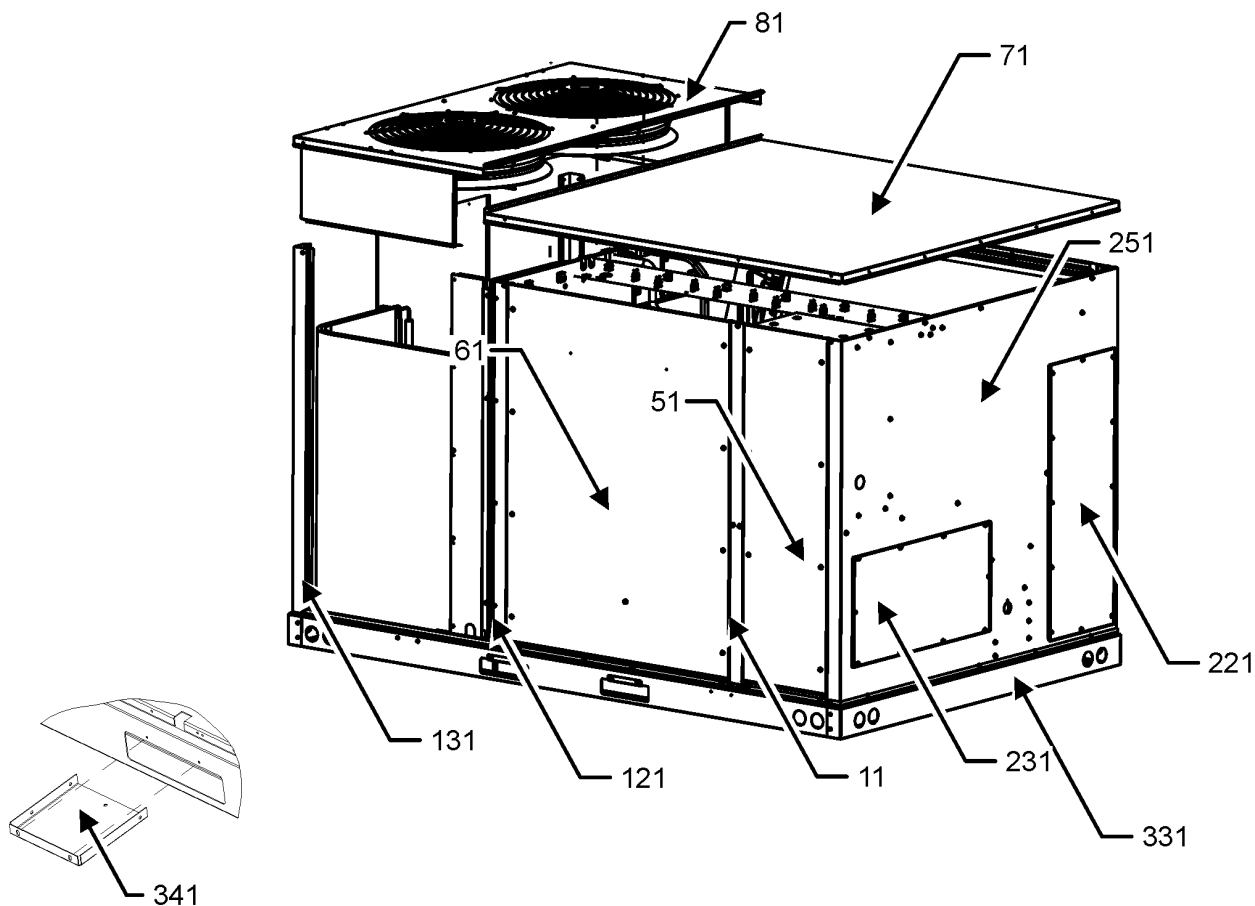
|               |                      |
|---------------|----------------------|
| RP-FIOPM*     | ACCESSORY RP MANUAL  |
| RP-EHX(D/B)M* | HEATER KIT RP MANUAL |
| RP-EHS(D/B)M* | HEATER KIT RP MANUAL |

## Expanded Model Nomenclature

|                                                                            |
|----------------------------------------------------------------------------|
| M1 - DSH1023D000001SAA<br>M2 - DSH1024D000001SAA<br>M3 - DSH1027D000001SAA |
|----------------------------------------------------------------------------|

# 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:                        |
|----------------------|--------------|----------------------|-------------------------------------|
| <b>Image 1:</b>      |              |                      |                                     |
| 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                  | 0121L05651SB |                      | PAINTED, PANEL DUCT                 |
| 311                  | 0121L04565   |                      | END RAIL                            |
| 321                  | 0121L04764   |                      | SIDE RAIL (QTY 2)                   |
| 331                  | 0121L05103   |                      | RAIL, END                           |
| 341                  | 0121L03727   |                      | BRACKET-FORK BOARD (QTY 4)          |
| NS                   | 0141L00084   |                      | BOARD FORK (QTY 2)                  |
| NS                   | 0121L04612SB |                      | PAINTED COVER-DISC SWITCH           |
| NS                   | 0121L03958SB |                      | PAINTED, DRAIN PAN COVER            |
| NS                   | 0121L03932SB |                      | PNT, CONVENIENCE COVER LT COMM      |

## Expanded Model Nomenclature

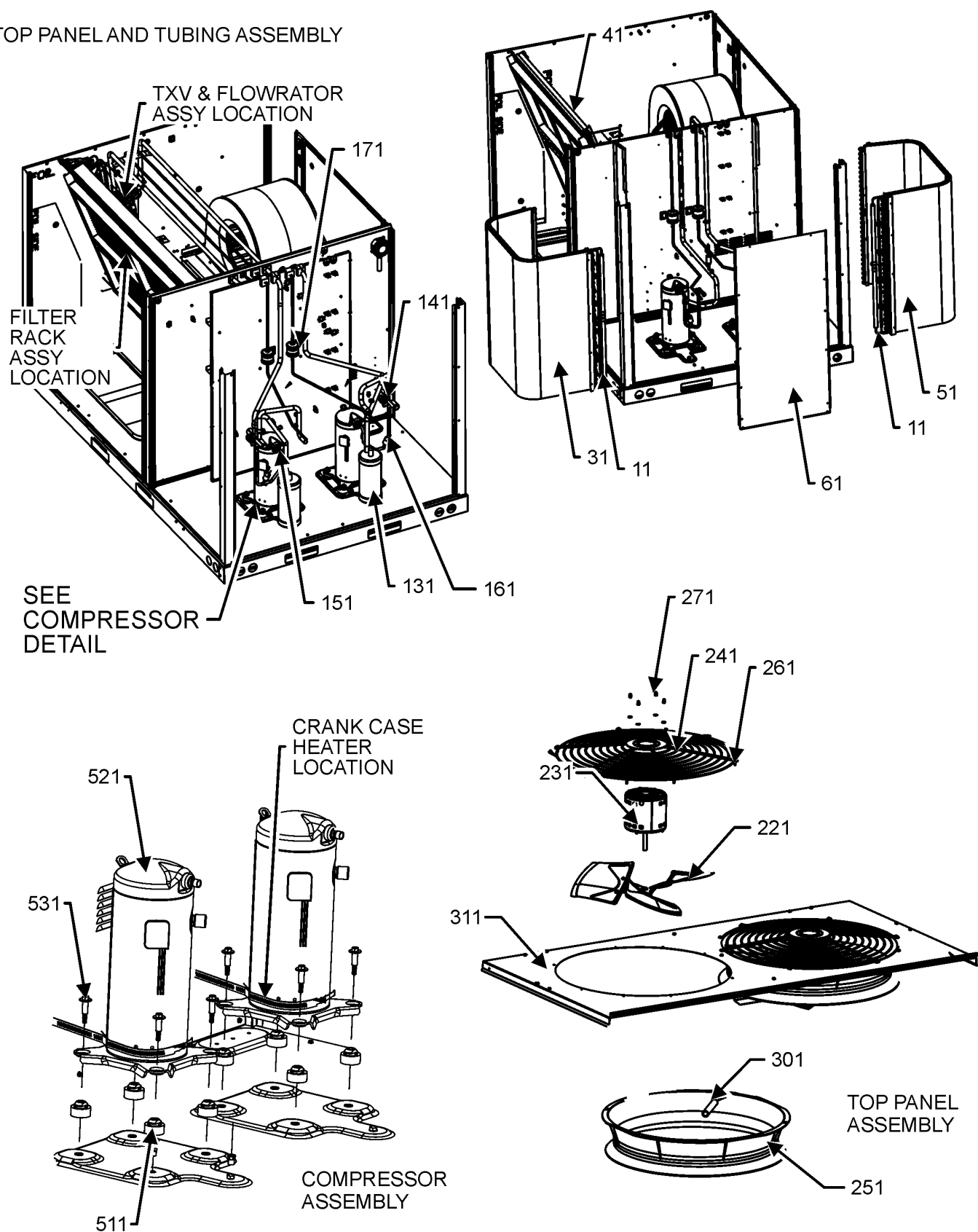
M1 - DSH1023D000001SAA

M2 - DSH1024D000001SAA

M3 - DSH1027D000001SAA

# 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

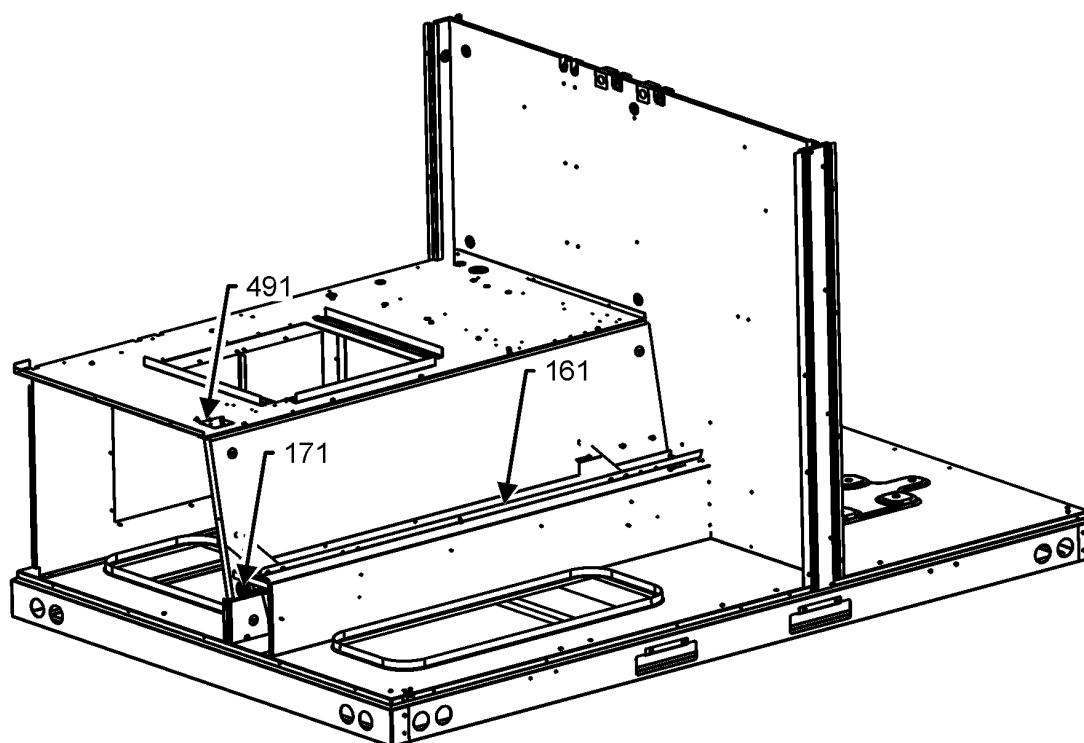
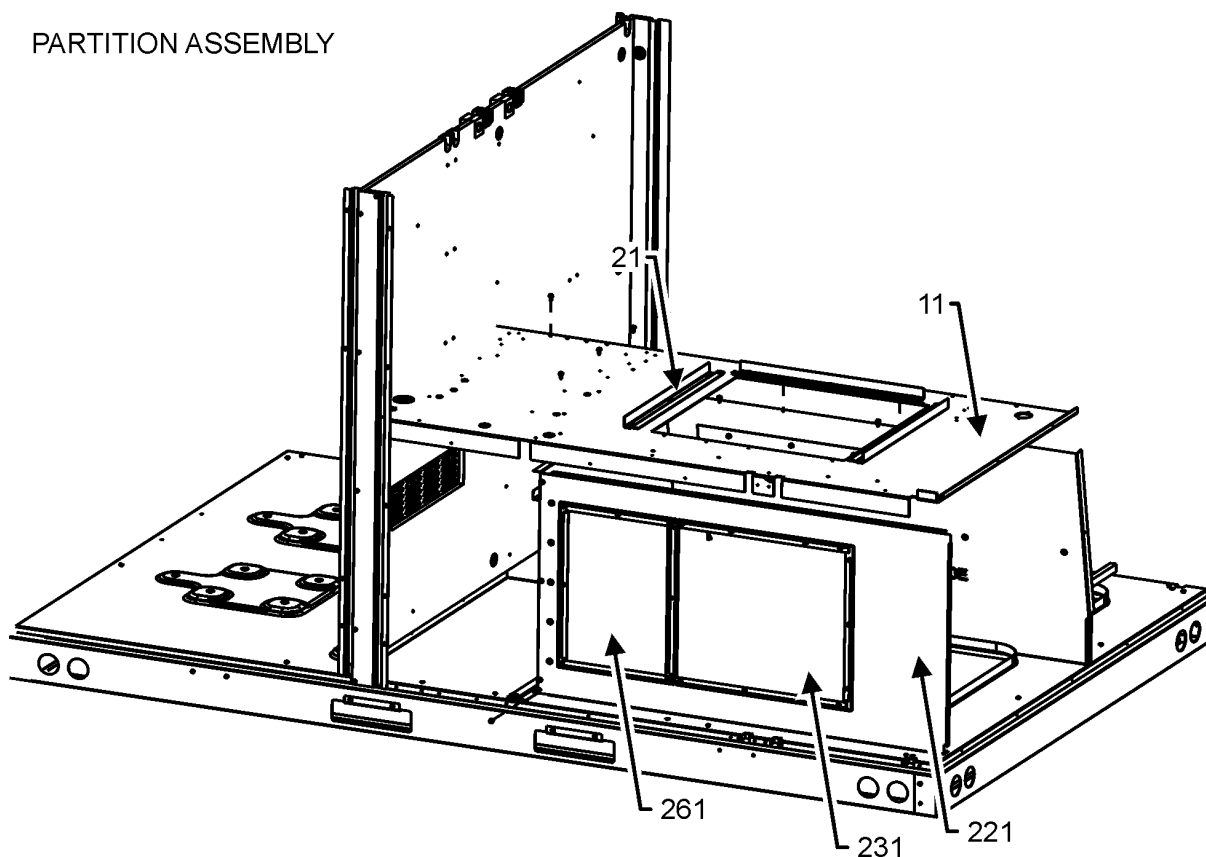
| Ref. Part<br>No: No: | Description:  | Ref. Part<br>No: No: | Description:                      |
|----------------------|---------------|----------------------|-----------------------------------|
| <b>Image 1:</b>      |               |                      |                                   |
| 11                   | 0130M00197    |                      | CONTROL, DEFROST (QTY 2)          |
| 31                   | 0201L01017    |                      | BENT COND COIL ASSEMBLY C1        |
| 41                   | 0202L00693    |                      | EVAP COIL CIRCUITING ASSEMBLY     |
| 51                   | 0201L01018    |                      | BENT COND COIL ASSEMBLY C2        |
| 61                   | 0121L04874SB  |                      | COVER COND COIL                   |
| 131                  | B1226207      |                      | ACCUMULATOR (QTY 2)               |
| 141                  | 0151R00071    |                      | REVERSING VALVE (QTY 2)           |
| 151                  | 0130M00730    |                      | SWITCH, HIGH PRESSURE (QTY 2)     |
| 161                  | 0130M00733    |                      | SWITCH, LOW PRESSURE (QTY 2)      |
| 171                  | 0162L00130    |                      | FILTER DRIER (QTY 2)              |
| 221                  | 10625733      |                      | BLADE-FAN 22" ALUM CCW (QTY 2)    |
| 231                  | 0131M00907    |                      | MOTOR, HP, 1/3, OD (M2)           |
| 231                  | 0131M00908    |                      | MOTOR, HP, 1/3, OD, LAK (M3)      |
| 231                  | 0131M00906    |                      | MOTOR, HP, 1/3, SP, 1, PL, 6 (M1) |
| 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       |
| 511                  | B1339533      |                      | GROMMET, COMPRESSOR (QTY 8)       |
| 521                  | YP44K1TTF5ASC |                      | COMPRESSOR (M1)                   |
| 521                  | YP44K1TTFDASC |                      | COMPRESSOR (M2)                   |
| 521                  | YP44K1TTFEASC |                      | COMPRESSOR (M3)                   |
| 531                  | B1393740      |                      | COMP BOLT & SLEEVE (QTY 8)        |
| NS                   | B1373315      |                      | ACCESS FITTING (QTY 6)            |
| NS                   | 0160L00137    |                      | AIR FILTER (QTY 2)                |
| NS                   | 0160L00267    |                      | AIR FILTER (QTY 2)                |
| NS                   | 0130L00296    |                      | CRANK CASE HEATER - 40W 240V (M1) |
| NS                   | 0130L00297    |                      | CRANK CASE HEATER - 40W 240V (M1) |
| NS                   | 0130L00298    |                      | CRANK CASE HEATER - 40W 480V (M2) |
| NS                   | 0130L00299    |                      | CRANK CASE HEATER - 40W 480V (M2) |
| NS                   | 0130L00300    |                      | CRANK CASE HEATER - 40W 575V (M3) |
| NS                   | 0130L00301    |                      | CRANK CASE HEATER - 40W 575V (M3) |
| NS                   | 0270L02802    |                      | FILTER RACK ASSEMBLY              |
| 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                   | 0163M00629    |                      | RED CAP WITH O-RING (QTY 8)       |
| NS                   | B1225022      |                      | Solenoid Coil                     |
| NS                   | 0251L00219    |                      | TXV, & FLOWRATOR ASSEMBLY         |
| NS                   | 0251L00220    |                      | TXV, & FLOWRATOR ASSEMBLY         |
| NS                   | 0151M00104    |                      | VALVE CORE (QTY 6)                |
| NS                   | M0272803      |                      | WASHER LOCK (QTY 2)               |
| NS                   | 0163M00005P   |                      | WASHER, BLACK .50OD.218ID (QTY 8) |

## Expanded Model Nomenclature

|                        |
|------------------------|
| M1 - DSH1023D000001SAA |
| M2 - DSH1024D000001SAA |
| M3 - DSH1027D000001SAA |

# PARTITION ASSEMBLY

## PARTITION ASSEMBLY



PARTITION ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

# PARTITION ASSEMBLY

| Ref. Part<br>No: No: | Description: | Ref. Part<br>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  | B1392016     | OPEN/CLOSE BUSHING 1.5     |
| NS  | 0121L03958SB | PAINTED, DRAIN PAN COVER   |
| NS  | 0163L00071   | PLUG, DRAIN                |

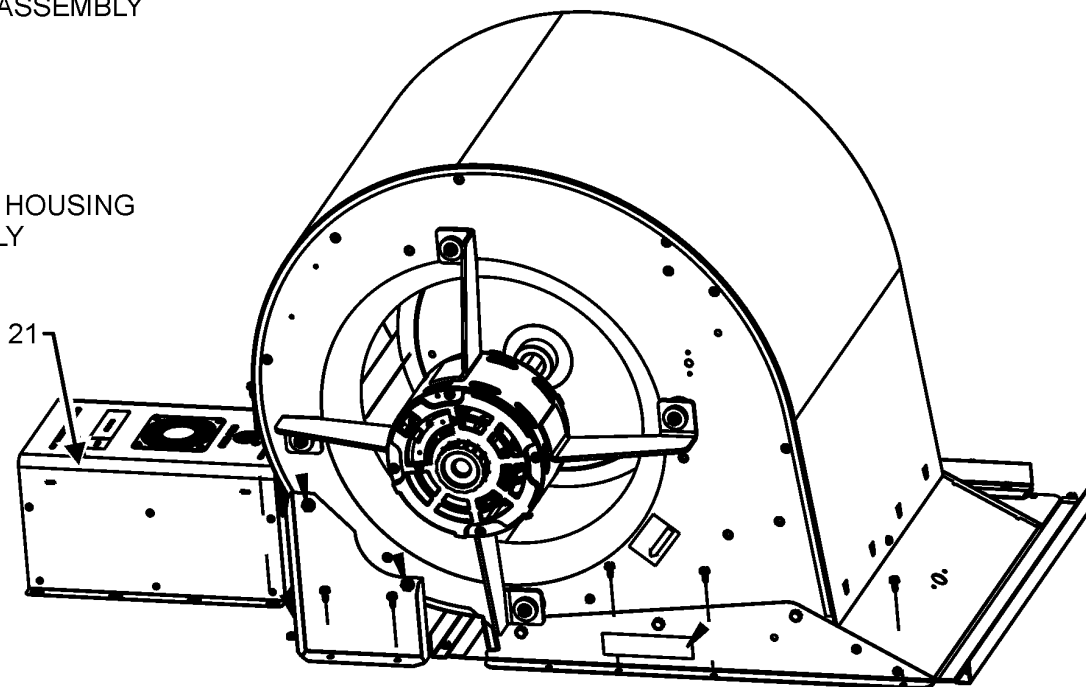
## Expanded Model Nomenclature

|                        |
|------------------------|
| M1 - DSH1023D000001SAA |
| M2 - DSH1024D000001SAA |
| M3 - DSH1027D000001SAA |

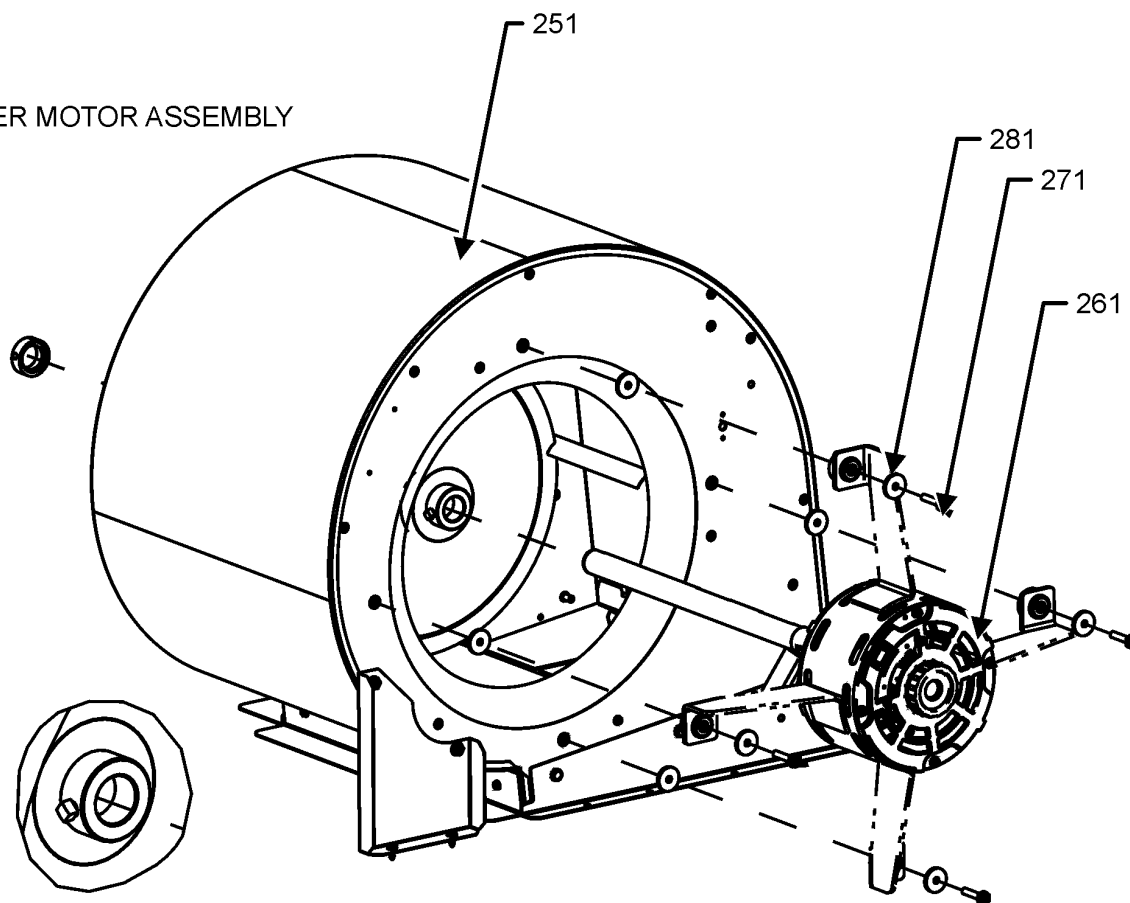
# BLOWER ASSEMBLY

## BLOWER ASSEMBLY

### BLOWER HOUSING ASSEMBLY



### BLOWER MOTOR ASSEMBLY



BLOWER ASSEMBLY MAY DIFFER FROM WHAT IS SHOWN

# BLOWER ASSEMBLY

| Ref. Part |              |  | Ref. Part |              |
|-----------|--------------|--|-----------|--------------|
| No: No:   | Description: |  | No: No:   | Description: |

---

## Image 1:

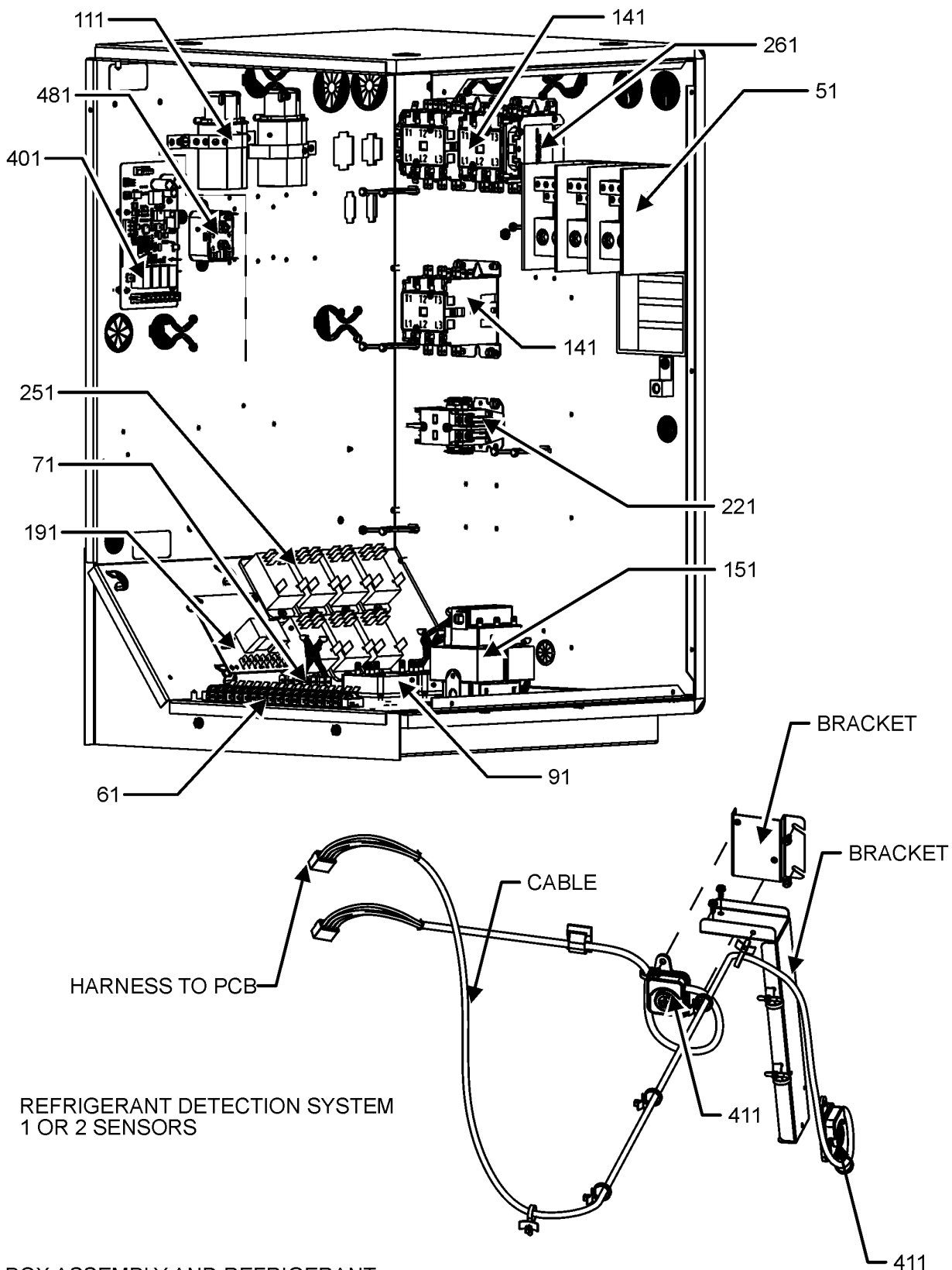
|     |            |                                       |
|-----|------------|---------------------------------------|
| 21  | 0131L00462 | PROGRAMMED MOTOR CONTROLLER           |
| 251 | 0271L00147 | ASSY, BLOWER PURCHASED 16X16 (M1, M2) |
| 251 | 0271L00148 | ASSY, BLOWER PURCHASED 16X18 (M3)     |
| 261 | 0131L00175 | MOTOR, BLOWER (M1)                    |
| 261 | 0131L00176 | MOTOR, BLOWER (M2)                    |
| 261 | 0131L00177 | MOTOR, BLOWER (M3)                    |
| 271 | M0250565   | SCREW-TC 1.25" (QTY 4)                |
| 281 | B1392918   | WASHER FLAT 1/4IDX1OD (QTY 8)         |

## Expanded Model Nomenclature

|                        |
|------------------------|
| M1 - DSH1023D000001SAA |
| M2 - DSH1024D000001SAA |
| M3 - DSH1027D000001SAA |

# CONTROL BOX AND REFRIGERANT DET ASSY

## CONTROL BOX ASSEMBLY AND REFRIGERANT DETECTION SYSTEM



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

# CONTROL BOX AND REFRIGERANT DET ASSY

| Ref. Part<br>No: No: | Description:   | Ref. Part<br>No: No: | Description:                        |
|----------------------|----------------|----------------------|-------------------------------------|
| <b>Image 1:</b>      |                |                      |                                     |
| 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 (M1, M2)      |
| 111                  | CAP050000440LA |                      | CAPACITOR (M3)                      |
| 141                  | CONT3P030024D  |                      | CONT, 3 POLE, 30 AMP, 24VAC (QTY 3) |
| 151                  | 0130L00318     |                      | TRANSFORMER (M2)                    |
| 151                  | 0130L00319     |                      | TRANSFORMER (M1)                    |
| 151                  | 0130L00320     |                      | TRANSFORMER (M3)                    |
| 191                  | PCBDM101       |                      | PCB DEFROST CONTROL                 |
| 221                  | CONT2P030024D  |                      | CONT, 2 POLE, 30 AMP, 24VAC         |
| 251                  | 0130M00178     |                      | DPDT RELAY 24VAC (QTY 7)            |
| 261                  | 0130M00913     |                      | AUXILLARY SWITCH (QTY 2)            |
| 401                  | PCBCM301V0001  |                      | PCB CONTROL AIR HANDLER             |
| 411                  | SER2A08012     |                      | SENSATA R32 SENSOR                  |
| 481                  | 10135604       |                      | RELAY                               |
| NS                   | 0164M00127     |                      | BOOT, CAPACITOR (QTY 2)             |
| NS                   | 20520901       |                      | STRAP-CAPACITOR (QTY 7)             |
| NS                   | 0259L02282     |                      | WIRE HARNESS ASSY                   |
| NS                   | 0259L02449     |                      | WIRE HARNESS ASSY                   |

## Expanded Model Nomenclature

|                        |
|------------------------|
| M1 - DSH1023D000001SAA |
| M2 - DSH1024D000001SAA |
| M3 - DSH1027D000001SAA |

# 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 - DSH1023D000001SAA<br>M2 - DSH1024D000001SAA<br>M3 - DSH1027D000001SAA |
|----------------------------------------------------------------------------|