



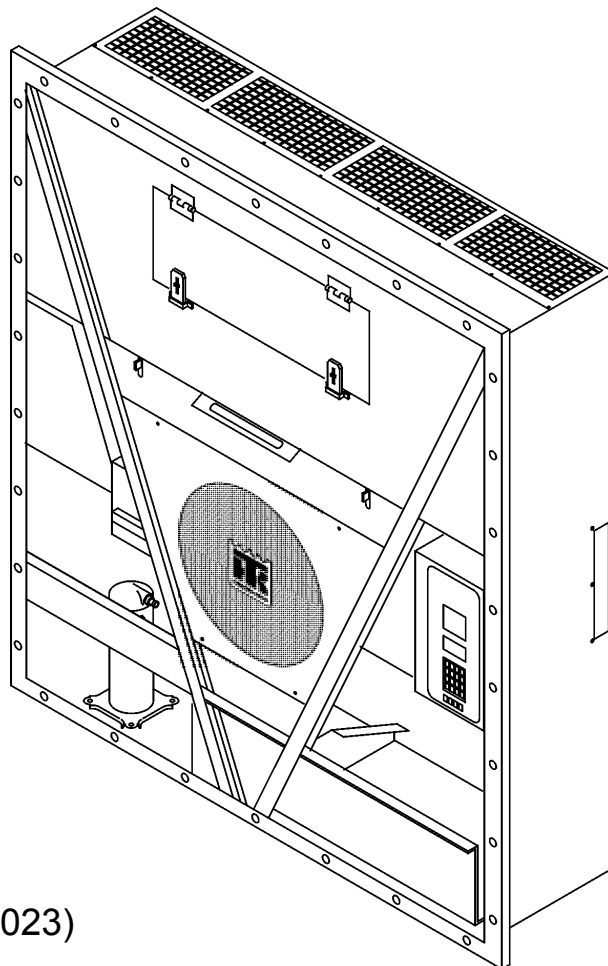
# Parts Manual

**MAGNUM PLUS**



# MAGNUM PLUS

## 54356



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## General Information

### Table of Contents

This Parts Manual contains a numerical table of contents listing each assembly name, its associated Grid number and page number. The numerical table of contents is arranged numerically by Grid number. There are references in a parts list referring to other Grid numbers; the numerical table of contents is arranged to facilitate finding the referenced illustrations.

### Contact Information

#### Customer Service:

844-TKCOLDE (844-852-6533)

#### Dealer Locator:

<http://dealers.thermoking.com/dealer-locator.html>

### Assemblies and Subassemblies

When parts are indented in the description list, they are preceded with an asterisk (\*). This indicates that the part(s) is available separately or included in an assembly.

#### GRID NO. 67D6

#### SWITCH PANEL ASSEMBLY

| REF | PART NO. | DESCRIPTION          | QTY |
|-----|----------|----------------------|-----|
|     | 451239   | PANEL - assy, switch | 1   |
| 1   | 991960   | *PANEL               | 1   |
|     | 996280   | **NAMEPLATE - panelx | 1   |
| 2   | 330743   | *GASKET              | 1   |

**For example:** The Switch Panel Nameplate (996280) is available separately, available as part of the Switch Panel (991960) and with the Panel Assembly (451239).

## ABBREVIATIONS:

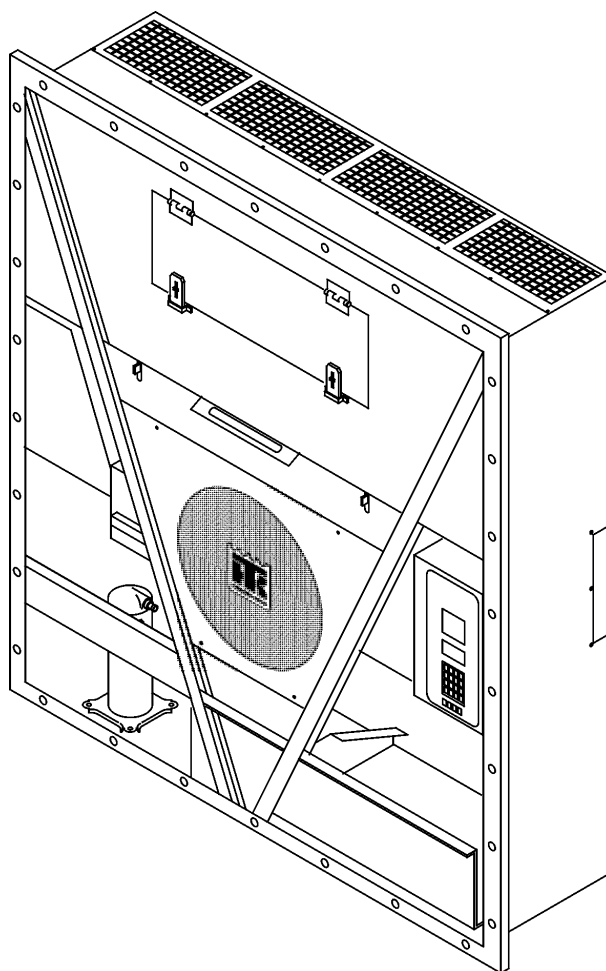
*The following abbreviations appear in Parts Manuals.*

|                                                         |                                      |                                              |
|---------------------------------------------------------|--------------------------------------|----------------------------------------------|
| <b>A</b> AC . . . . .alternating current                | exp . . . . .expansion               | ors . . . . .o-ring seal                     |
| A/R . . . . .as required                                | ext . . . . .external                | <b>P</b> pcb . . . . .printed circuit board  |
| accum . . . . .accumulator                              | <b>F</b> F . . . . .Fahrenheit       | pkg . . . . .package                         |
| adj . . . . .adjusting                                  | fill . . . . .fillister              | ph . . . . .phase                            |
| al . . . . .aluminum                                    | fi . . . . .fuel injection           | pos . . . . .positive                        |
| alt . . . . .alternator                                 | fl . . . . .flare                    | psi . . . . .pounds per square<br>inch       |
| A or amp . . . . .ampere                                | fpt . . . . .female pipe thread      | <b>R</b> rad . . . . .radiator               |
| assy . . . . .assembly                                  | ft . . . . .feet                     | rcvr . . . . .receiver                       |
| ASQ . . . . .Ask for Quote                              | ftg . . . . .fitting                 | ref . . . . .reference                       |
| <b>B</b> bd . . . . .board                              | <b>G</b> gal . . . . .gallon         | reg . . . . .regulator                       |
| brg . . . . .bearing                                    | <b>H</b> hex . . . . .hexagon        | req . . . . .required                        |
| brkr . . . . .breaker                                   | hh . . . . .hexagon head             | rpm . . . . .revolutions per minute          |
| brkt . . . . .bracket                                   | hd . . . . .head                     | <b>S</b> sec . . . . .second                 |
| <b>C</b> C . . . . .Celsius                             | hp . . . . .horsepower               | slid . . . . .solder                         |
| cw . . . . .clockwise                                   | hsg . . . . .housing                 | soc hd . . . . .socket head                  |
| ccw . . . . .counter-clockwise                          | <b>I</b> id . . . . .inside diameter | sol . . . . .solenoid                        |
| cam . . . . .camshaft                                   | in . . . . .inch (2.54 cm)           | spl . . . . .special                         |
| cm . . . . .centimeters                                 | incl . . . . .includes               | sq . . . . .square                           |
| compr . . . . .compressor                               | inj . . . . .injection               | ss . . . . .stainless steel                  |
| cond . . . . .condenser                                 | int . . . . .internal                | std . . . . .standard                        |
| conn . . . . .connector                                 | int th . . . . .internal tooth       | stl . . . . .steel                           |
| cyl . . . . .cylinder                                   | <b>K</b> kW . . . . .kiloWatt        | suct . . . . .suction                        |
| <b>D</b> def . . . . .defrost                           | <b>L</b> L . . . . .Liter (Litre)    | sw . . . . .switch                           |
| deg . . . . .degree                                     | liq . . . . .liquid                  | <b>T</b> TBD . . . . .To Be Determined       |
| dehyd . . . . .dehydrator                               | lg . . . . .long                     | term . . . . .terminal                       |
| dia . . . . .diameter                                   | <b>M</b> M . . . . .Meter (Metre)    | temp . . . . .temperature                    |
| DC . . . . .direct current                              | mm . . . . .Millimeter (Millimetre)  | thk . . . . .thick                           |
| disc . . . . .discharge                                 | mpt . . . . .male pipe thread        | TSA . . . . .Transport Solutions<br>Americas |
| diff . . . . .differential                              | mod . . . . .modulating              | <b>U</b> us . . . . .undersize               |
| <b>E</b> EMI . . . . .Extended                          | <b>N</b> neg . . . . .negative       | <b>V</b> vib . . . . .vibrasorber            |
| Maintenance Interval                                    | No . . . . .number                   | V . . . . .Volt                              |
| EMEIA . . . . .Europe, Middle East,<br>India and Africa | NS . . . . .not supplied             | <b>W</b> W . . . . .watt                     |
| eng . . . . .engine                                     | NSS . . . . .not sold separately     | w/ . . . . .with                             |
| exch . . . . .exchanger                                 | <b>O</b> os . . . . .oversized       | w/o . . . . .without                         |
|                                                         | od . . . . .outside diameter         |                                              |

# MAGNUM PLUS

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**14U3****MAGNUM PLUS REFERENCE SHEET**Revised  
09/16/17

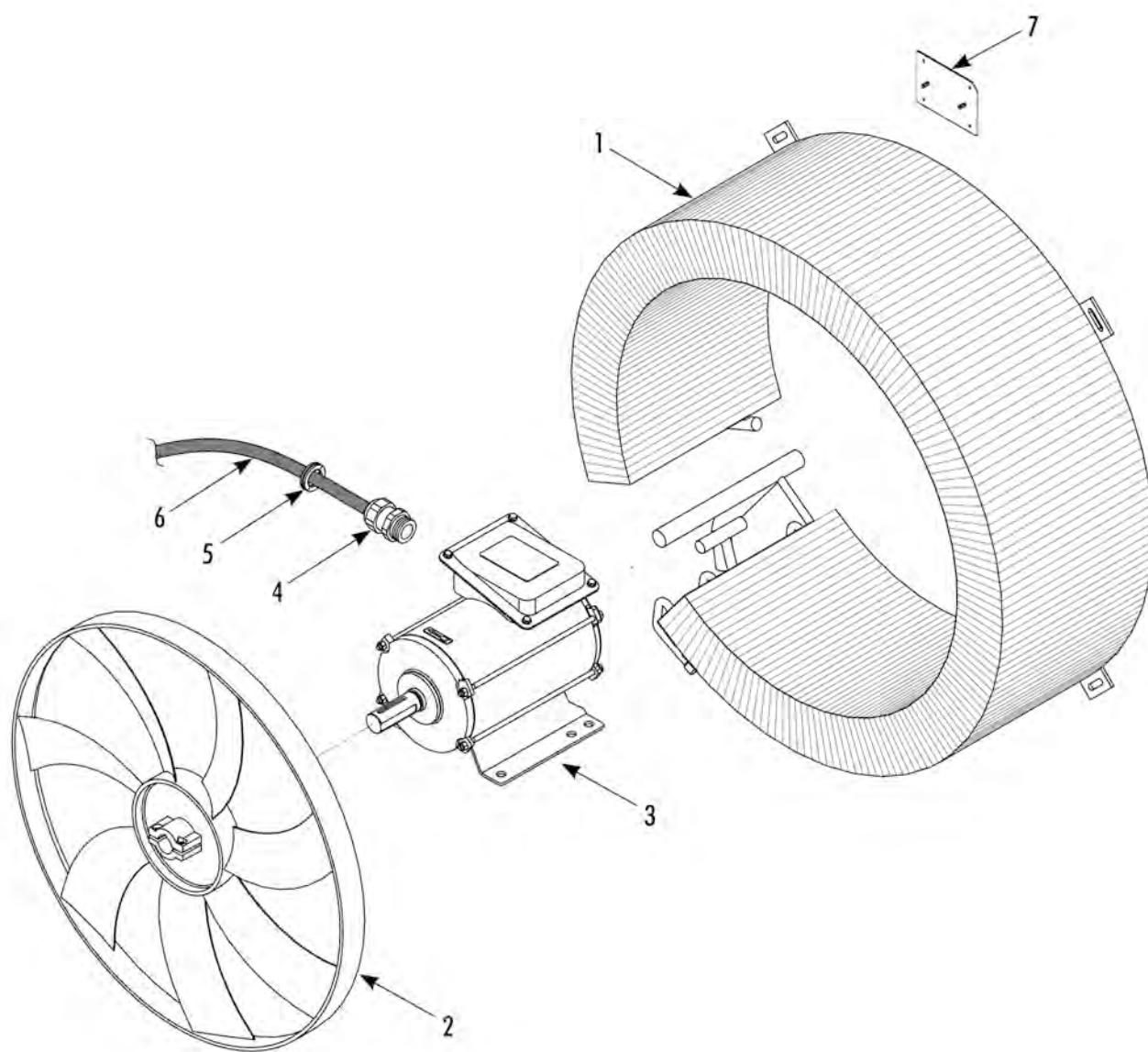
Revised  
09/16/17

## MAGNUM PLUS REFERENCE SHEET



14U3

| B/M    | DESCRIPTION |
|--------|-------------|
| 098203 | MAGNUM PLUS |
| 098212 | MAGNUM PLUS |
| 098216 | MAGNUM PLUS |
| 098218 | MAGNUM PLUS |
| 098219 | MAGNUM PLUS |
| 098223 | MAGNUM PLUS |
| 098580 | MAGNUM PLUS |
| 098581 | MAGNUM PLUS |
| 098582 | MAGNUM PLUS |
| 098583 | MAGNUM PLUS |
| 098585 | MAGNUM PLUS |
| 098586 | MAGNUM PLUS |
| 098587 | MAGNUM PLUS |
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| 098591 | MAGNUM PLUS |
| 098592 | MAGNUM PLUS |
| 098593 | MAGNUM PLUS |
| 098594 | MAGNUM PLUS |

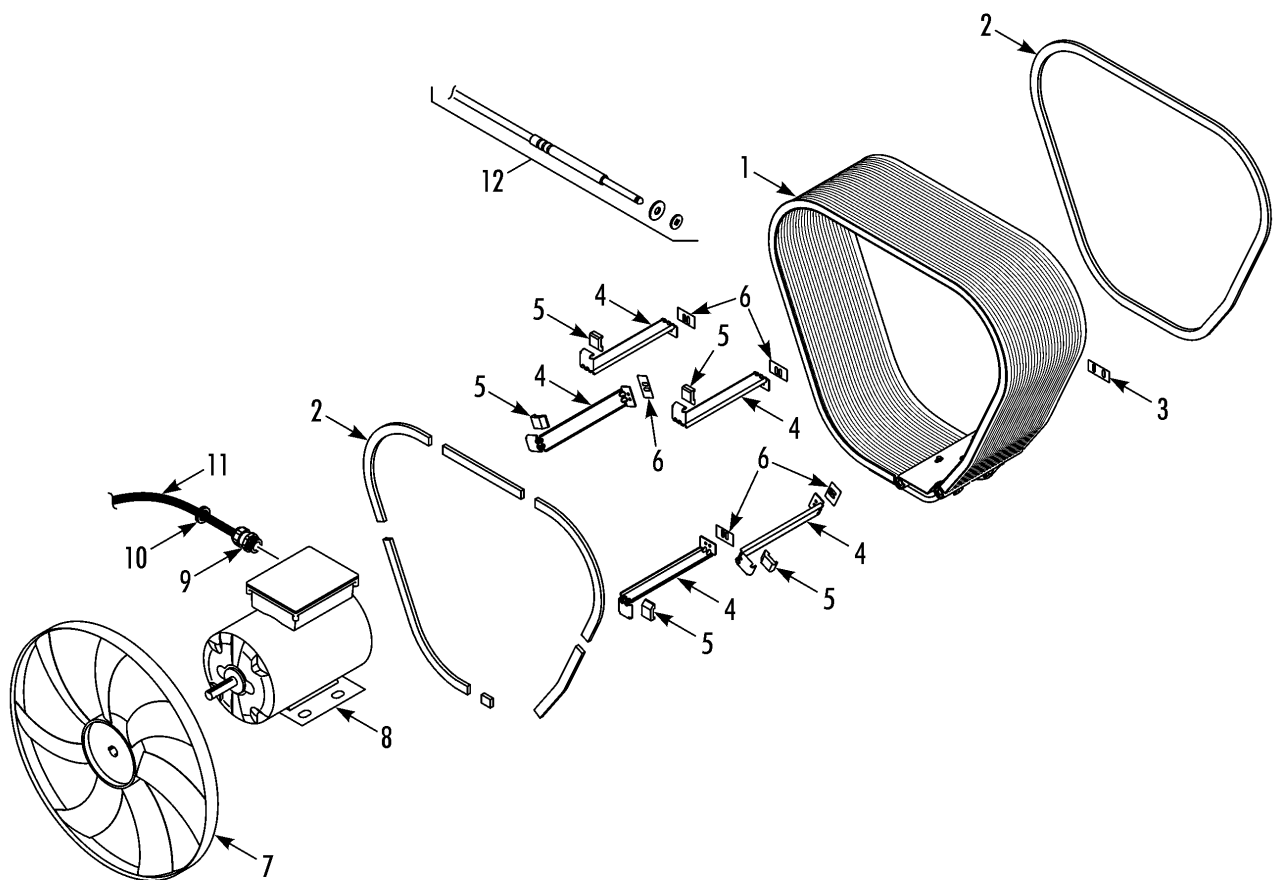
**235E8****CONDENSER FAN GROUP**Revised  
01/19/22

Revised  
01/19/22

## CONDENSER FAN GROUP

**235E8**

| REF | PART NO.  | DESCRIPTION                               | QTY |
|-----|-----------|-------------------------------------------|-----|
| 1   | 600285TKA | COIL - condenser (copper fins)            | 1   |
|     | 600310TKA | COIL - condenser (aluminum fins)          | 1   |
|     | 672865    | COIL - condenser (deep freeze units only) | 1   |
|     | 332950    | GASKET (10 x 15 mm)                       | A/R |
|     | 511442    | SCREW - coil                              | 7   |
|     | 511444    | FLATWASHER                                | 7   |
|     | 559054    | WASHER (nylon)                            | 7   |
| 2   | 781924    | FAN - condenser                           | 1   |
| 3   | 1040858   | MOTOR - condenser fan (0.75 hp)           | 1   |
|     | 552324    | * KEY - fan                               | 1   |
|     | 511443    | SCREW - motor                             | 4   |
|     | 511429    | LOCKWASHER                                | 4   |
|     | 511430    | FLATWASHER                                | 8   |
|     | 511427    | NUT                                       | 4   |
| 4   | 555900    | GRIP - cable                              | 1   |
| 5   | 330367    | GROMMET                                   | 1   |
| 6   | 412953    | HARNESS - condenser fan                   | 1   |
| 7   | 902523    | KIT - condenser coil stud (set of three)  | 1   |

**298F3****CONDENSER FAN GROUP w/ Micro Channel Coil**Revised  
05/18/18

Revised  
05/18/18

# CONDENSER FAN GROUP w/ Micro Channel Coil



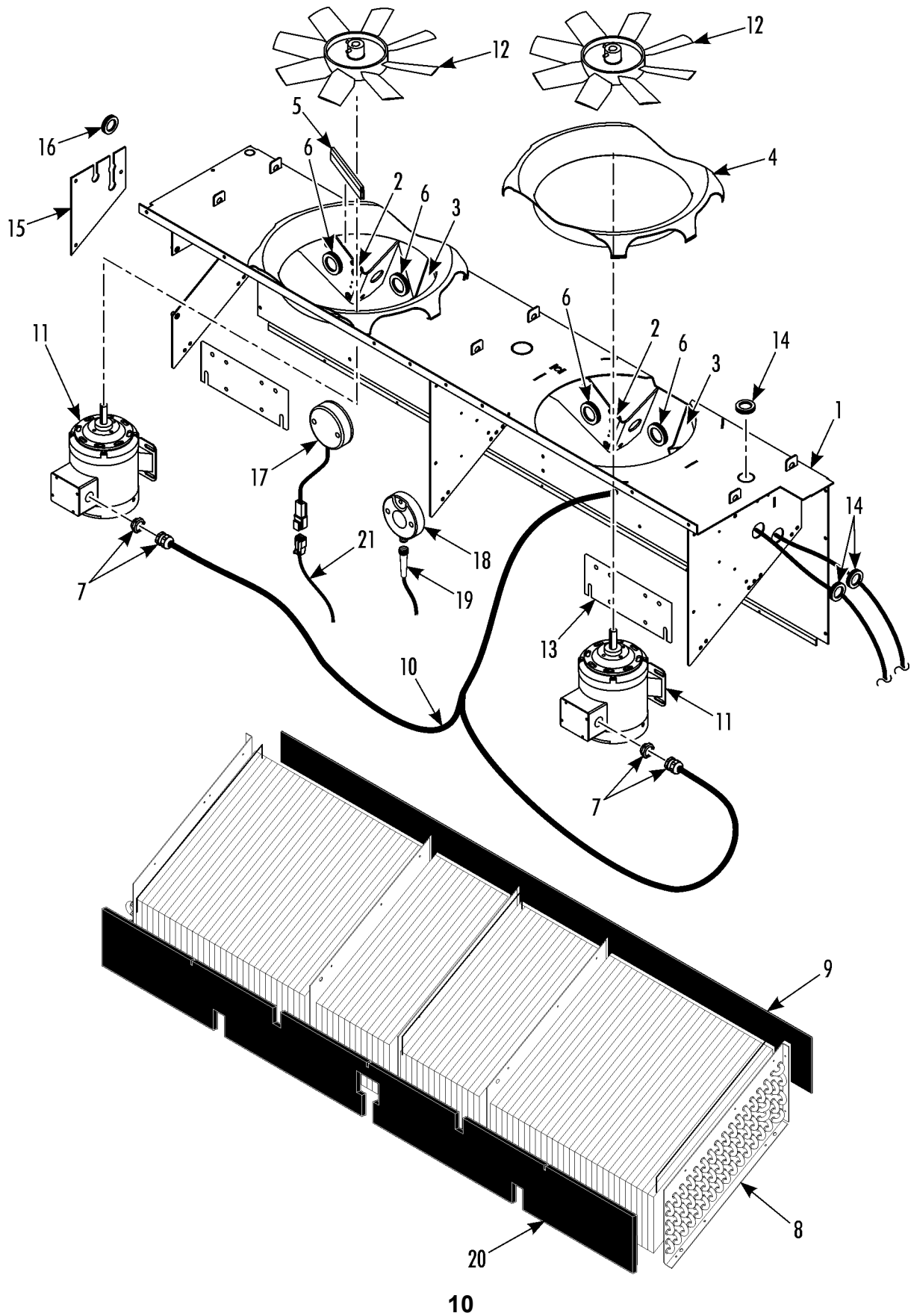
# 298F3

| REF | PART NO. | DESCRIPTION                      | QTY |
|-----|----------|----------------------------------|-----|
| 1   | 672874   | COIL - condenser (micro channel) | 1   |
|     | 511442   | SCREW - coil                     | 2   |
|     | 511441   | FLATWASHER                       | 2   |
|     | 559054   | WASHER (nylon)                   | 2   |
|     | 513166   | INSERT                           | 2   |
| 2   | 335607   | GASKET - coil                    | 2   |
| 3   | 934588   | INSULATOR                        | 1   |
| 4   | 934585   | BRACKET - condenser coil         | 5   |
|     | 511442   | SCREW - bracket                  | 10  |
|     | 511441   | FLATWASHER                       | 10  |
|     | 559054   | WASHER                           | 10  |
|     | 513166   | INSERT                           | 10  |
| 5   | 934586   | MOUNT - epdm                     | 5   |
| 6   | 934587   | INSULATOR                        | 5   |
| 7   | 781924   | FAN - condenser                  | 1   |
| 8   | 1040759  | MOTOR - condenser fan (0.75 hp)  | 1   |
|     | 552324   | * KEY - fan                      | 1   |
|     | 511443   | SCREW - motor                    | 4   |
|     | 511444   | FLATWASHER                       | 8   |
|     | 511429   | LOCKWASHER                       | 4   |
|     | 511427   | NUT                              | 4   |
| 9   | 555900   | GRIP - cable                     | 1   |
| 10  | 330367   | GROMMET                          | 1   |
| 11  | 412953   | HARNESS - condenser fan          | 1   |
| 12  | 423670   | SENSOR - temperature, condenser  | 1   |

**235E9**



## EVAPORATOR FAN GROUP

Revised  
10/08/19

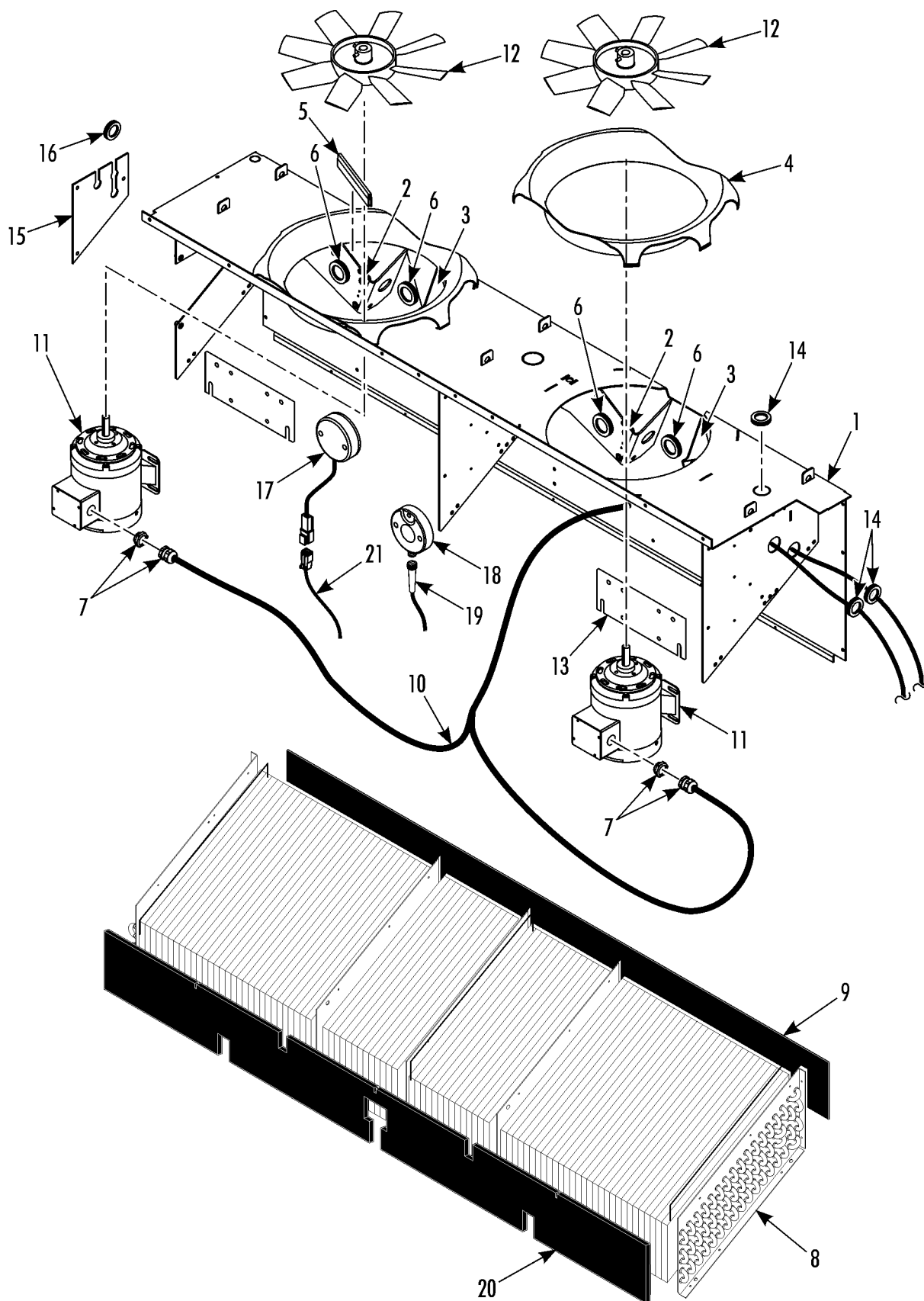
Revised  
10/08/19

## EVAPORATOR FAN GROUP

**235E9**

| REF | PART NO.  | DESCRIPTION                                           | QTY |
|-----|-----------|-------------------------------------------------------|-----|
| 1   | 988242    | HOUSING - evaporator (12 in, 312 mm dia)              | 1   |
| 2   | 922779    | * BRACKET - motor (left)                              | 2   |
| 3   | 922332    | * BRACKET - motor (right)                             | 2   |
|     | 559162    | RIVET - housing                                       | 10  |
| 4   | 781737    | * SHROUD - fan                                        | 2   |
| 5   | 333929    | TRIM - edge guard                                     | A/R |
| 6   | 333917    | GROMMET (1.180 in)                                    | 4   |
| 7   | 555900    | CONNECTOR - harness & sensor                          | 2   |
| 8   | NSS       | COIL - evaporator (see Refrigeration Group)           | 1   |
|     | 513565    | SCREW - coil                                          | 10  |
|     | 559217    | CAP - screw                                           | 3   |
| 9   | 919328    | INSULATION - coil                                     | 1   |
| 10  | 413685    | HARNESS - evaporator fan (w/ analog humidity sensor)  | 1   |
|     | 422605    | HARNESS - evaporator fan (w/ digital humidity sensor) | 1   |
| 11  | 1040691   | MOTOR - fan                                           | 2   |
|     | 511869    | SCREW - motor                                         | 8   |
|     | 511429    | LOCKWASHER                                            | 8   |
|     | 511444    | FLATWASHER                                            | 8   |
|     | 511427    | NUT                                                   | 8   |
| 12  | 781683    | FAN - evaporator (14 in, 355 mm dia)                  | 2   |
| 13  | 918466TKA | BRACKET - motor                                       | 2   |
|     | 511869    | SCREW - bracket                                       | 8   |
|     | 511444    | FLATWASHER                                            | 8   |
|     | 511429    | LOCKWASHER                                            | 8   |
|     | 511427    | NUT                                                   | 8   |
| 14  | 335576    | GROMMET (29 mm)                                       | 4   |
| 15  | 922775    | COVER - tube                                          | 1   |
| 16  | 330367    | GROMMET                                               | 4   |

NOTE: Sensor 419836 has been replaced with sensor 422659 and harness 401480. See service bulletin C-141 for more information.

**235E9****EVAPORATOR FAN GROUP**Revised  
10/08/19

Revised  
10/08/19

## EVAPORATOR FAN GROUP

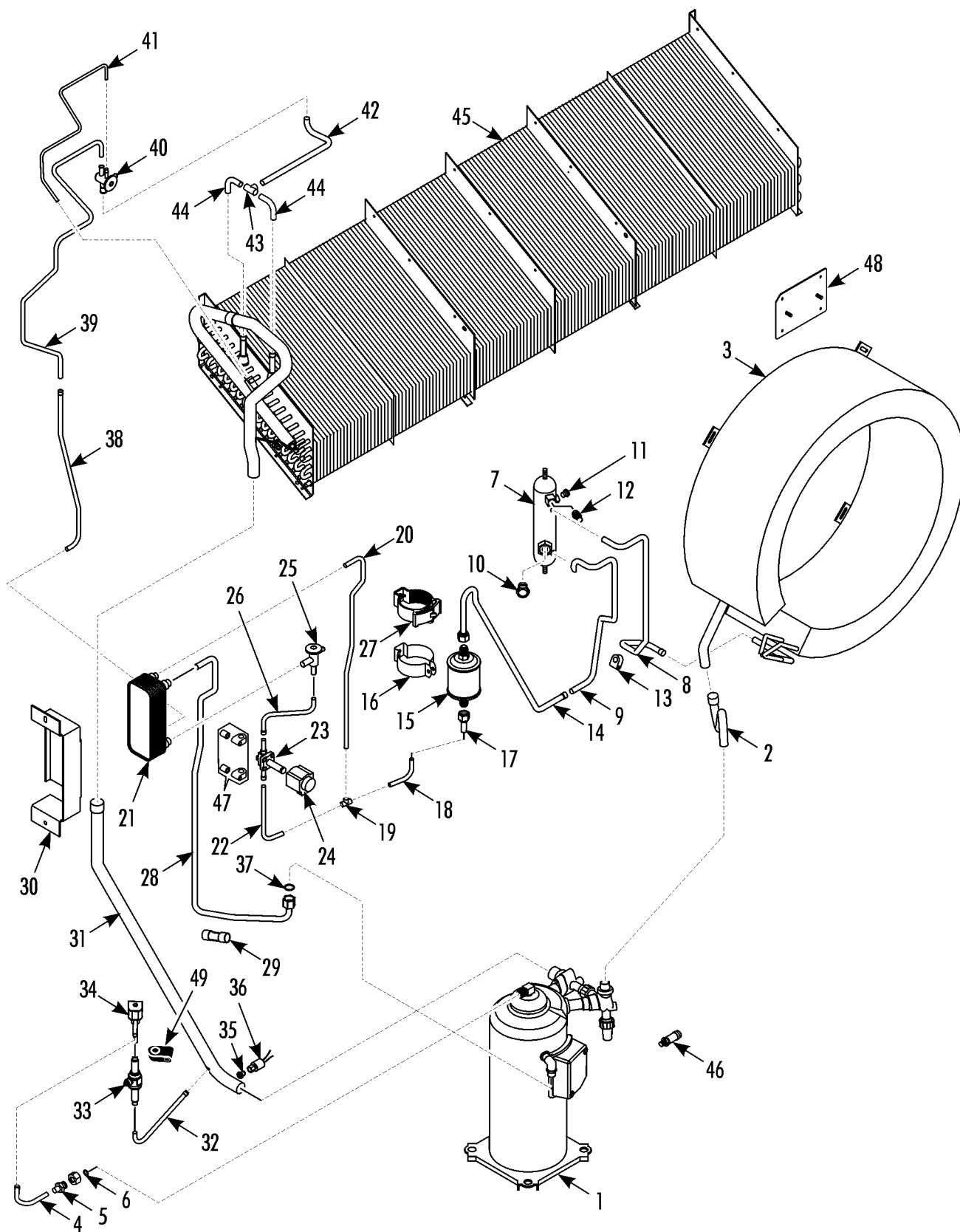


# 235E9

| REF | PART NO. | DESCRIPTION                                        | QTY |
|-----|----------|----------------------------------------------------|-----|
| 17  | 422659   | SENSOR - humidity                                  | 1   |
| 18  | 419836   | SENSOR - humidity (RS 485, mP 4000 only, see note) | 1   |
| 19  | 420374   | CABLE - supply (RS 485)                            | 1   |
| 20  | 926966   | INSULATION - coil                                  | 1   |
| 21  | 401480   | HARNESS - humidity sensor                          | 1   |

NOTE: Sensor 419836 has been replaced with sensor 422659 and harness 401480. See service bulletin C-141 for more information.

**235E0**
**REFRIGERATION COMPONENTS (SERVICE VALVES)**

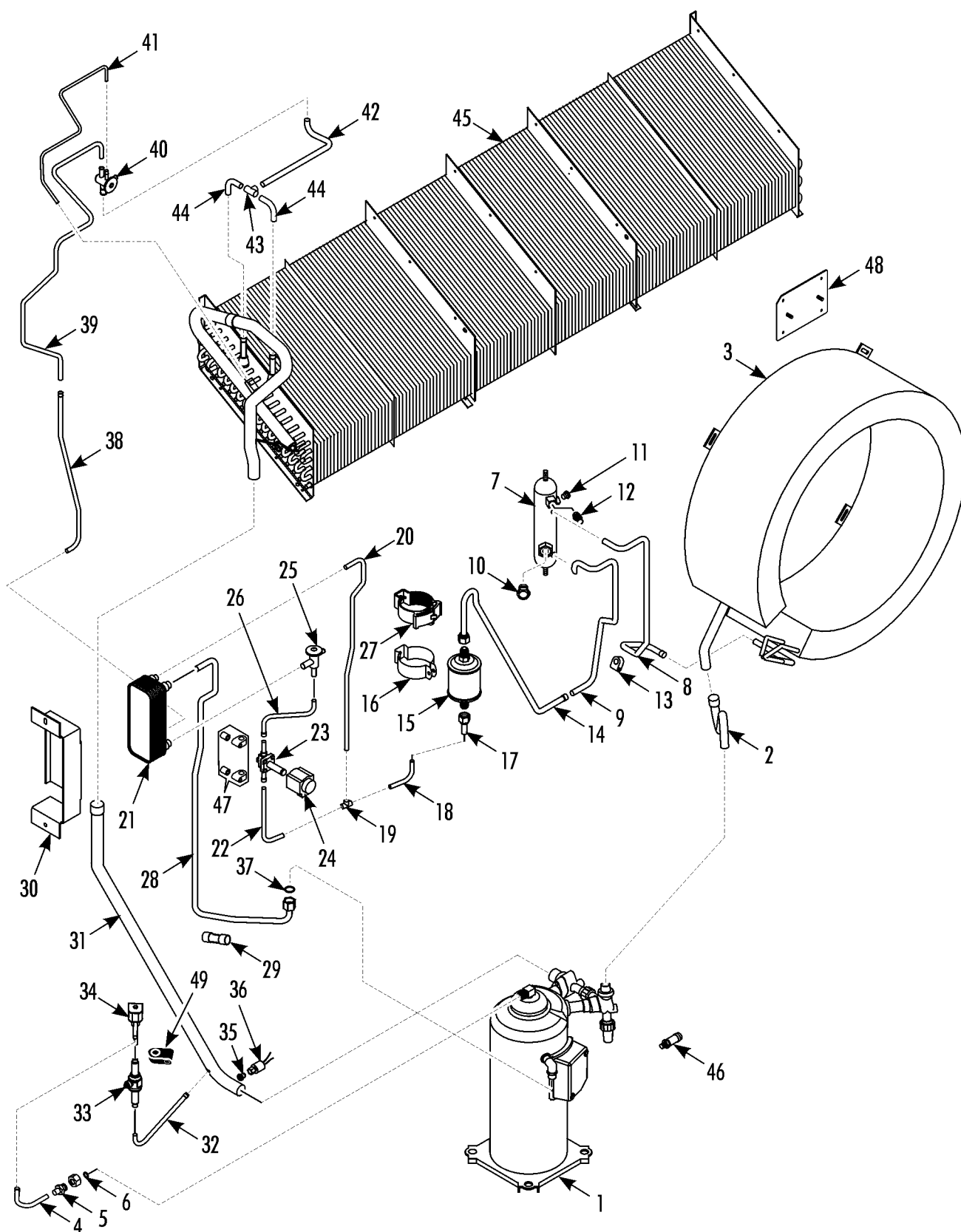
 Revised  
09/28/18


Revised  
09/28/18**REFRIGERATION COMPONENTS (SERVICE  
VALVES)****235E0**

| REF | PART NO.  | DESCRIPTION                       | QTY |
|-----|-----------|-----------------------------------|-----|
| 1   | 1020795   | COMPRESSOR - scroll (see 259C5)   | 1   |
|     | 922229    | SPACER - compressor               | 1   |
| 2   | 612477    | TUBE - valve to coil              | 1   |
| 3   | 600285TKA | COIL - condenser (copper fins)    | 1   |
|     | 600310TKA | COIL - condenser (aluminum fins)  | 1   |
| 4   | 612467TKA | TUBE - valve to coil              | 1   |
| 5   | 612162TKA | ADAPTER - compressor              | 1   |
| 6   | 333912TKA | SEAL (PTFE)                       | 1   |
| 7   | 672787    | TANK - receiver (includes items ) | 1   |
| 8   | 612238    | * TUBE - receiver to dehydrator   | 1   |
| 9   | 612569    | * TUBE - receiver to condenser    | 1   |
| 10  | 668811    | * INDICATOR - liquid              | 1   |
|     | 333007    | * O-RING                          | 1   |
| 11  | 5060364   | * PLUG - fusible                  | 1   |
|     | 510273    | NUT - receiver tank               | 2   |
|     | 559027    | WASHER - insulating               | 4   |
| 12  | 666610    | FITTING - discharge               | 1   |
|     | 667812    | CAP - fitting                     | 1   |
| 13  | 556730    | CLAMP - tube                      | 2   |
|     | 511421TKA | SCREW - clamp                     | 1   |
|     | 511425    | NUT                               | 1   |
| 14  | 612475    | TUBE - receiver to dehydrator     | 1   |
|     | 550302    | * NUT - adapter                   | 1   |
| 15  | 610786    | DEHYDRATOR                        | 1   |
| 16  | 511871TKA | CLAMP - dehydrator (metal)        | 1   |
|     | 511442    | SCREW - clamp                     | 1   |
|     | 511441    | FLATWASHER - clamp                | 1   |
|     | 511425    | NUT - clamp                       | 1   |
|     | 559054    | WASHER - insulating               | 1   |
|     | 511442    | SCREW - dehydrator                | 1   |

**235E0**

# REFRIGERATION COMPONENTS (SERVICE VALVES)

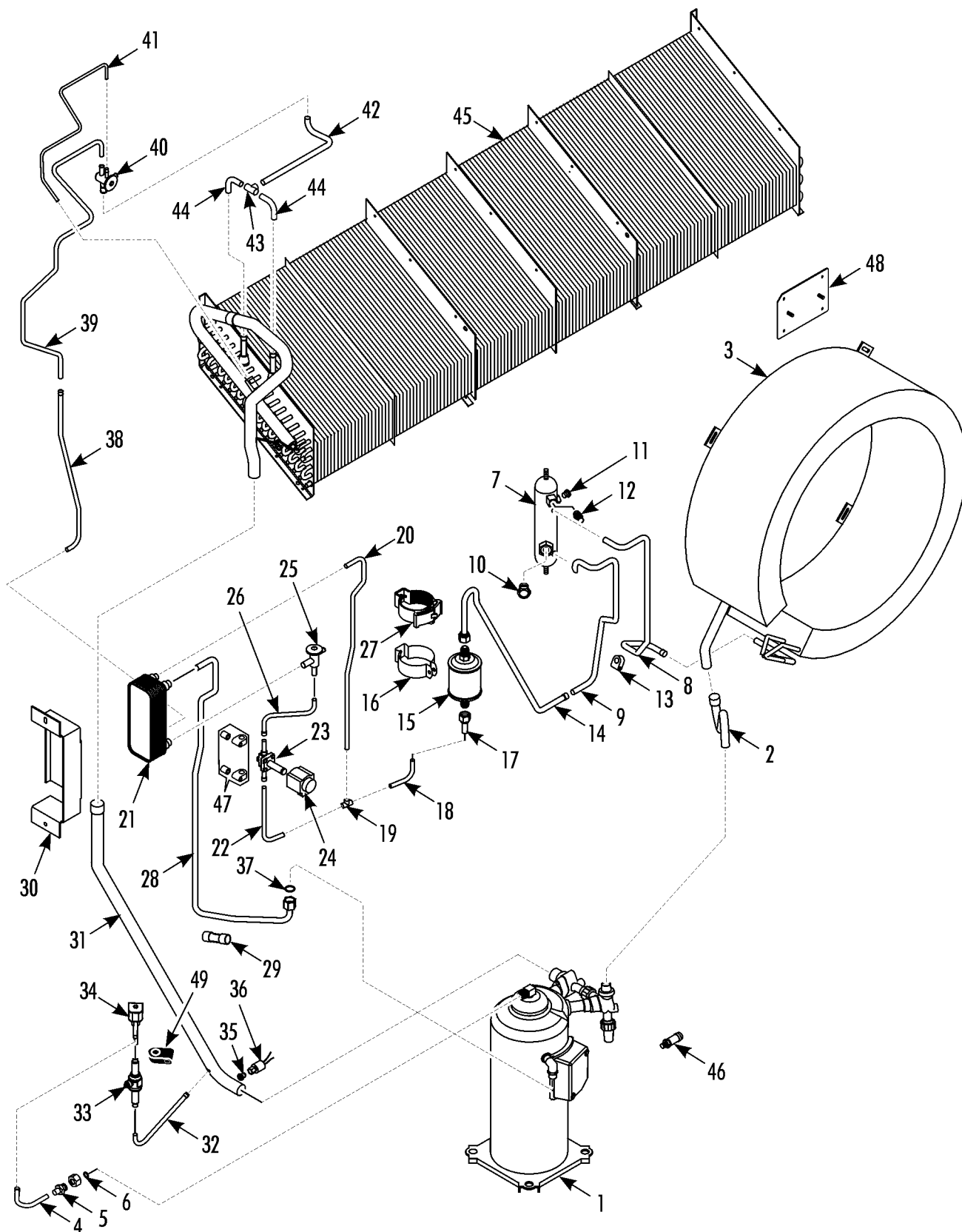
 Revised  
09/28/18


Revised  
09/28/18**REFRIGERATION COMPONENTS (SERVICE  
VALVES)****235E0**

| REF | PART NO.  | DESCRIPTION                                               | QTY |
|-----|-----------|-----------------------------------------------------------|-----|
|     | 511464    | FLATWASHER - dehydrator                                   | 2   |
| 17  | 613506    | TUBE - filter                                             | 1   |
|     | 550302    | NUT - adapter                                             | 1   |
| 18  | 613503    | TUBE - filter to tee                                      | 1   |
| 19  | 553251TKA | TEE                                                       | 1   |
| 20  | 612471    | TUBE - tee to exchanger                                   | 1   |
| 21  | 671889    | HEAT EXCHANGER - economizer                               | 1   |
|     | 923547    | INSULATION - heat exchanger                               | 1   |
| 22  | 612472    | TUBE - tee to valve                                       | 1   |
| 23  | 612470TKA | VALVE - solenoid (vapor injection)                        | 1   |
| 24  | 415460    | COIL - valve                                              | 1   |
|     | 5040919   | * COIL                                                    | 1   |
| 25  | 600731    | KIT - TXV expansion valve (includes tube, valve and bulb) | 1   |
| 26  | NSS       | * VALVE - expansion (economizer)                          | 1   |
| 27  | 929520TKA | CLAMP - dehydrator (plastic)                              | 1   |
|     | 511442    | SCREW - clamp                                             | 1   |
|     | 559054    | WASHER                                                    | 1   |
|     | 511464    | FLATWASHER                                                | 1   |
| 28  | 612474    | TUBE - liquid injection                                   | 1   |
|     | 558951    | SHOULDER - o-ring seal                                    | 1   |
|     | 558950    | NUT - o-ring seal                                         | 1   |
|     | 334499    | INSULATION - tube (cut to 24.5 in lg)                     | A/R |
|     | 911800TKA | CLAMP - tube                                              | 2   |
|     | 511442    | SCREW - clamp                                             | 1   |
|     | 511425    | NUT                                                       | 1   |
| 29  | NSS       | TUBE - tx bulb (included with item 25)                    | 1   |
| 30  | 923391    | BRACKET - heat exchanger                                  | 1   |
|     | 923550    | INSULATION - mylar                                        | 1   |
| 31  | 613502    | TUBE - suction                                            | 1   |
|     | 334500    | INSULATION - tube (42.1 in lg)                            | A/R |

**235E0**

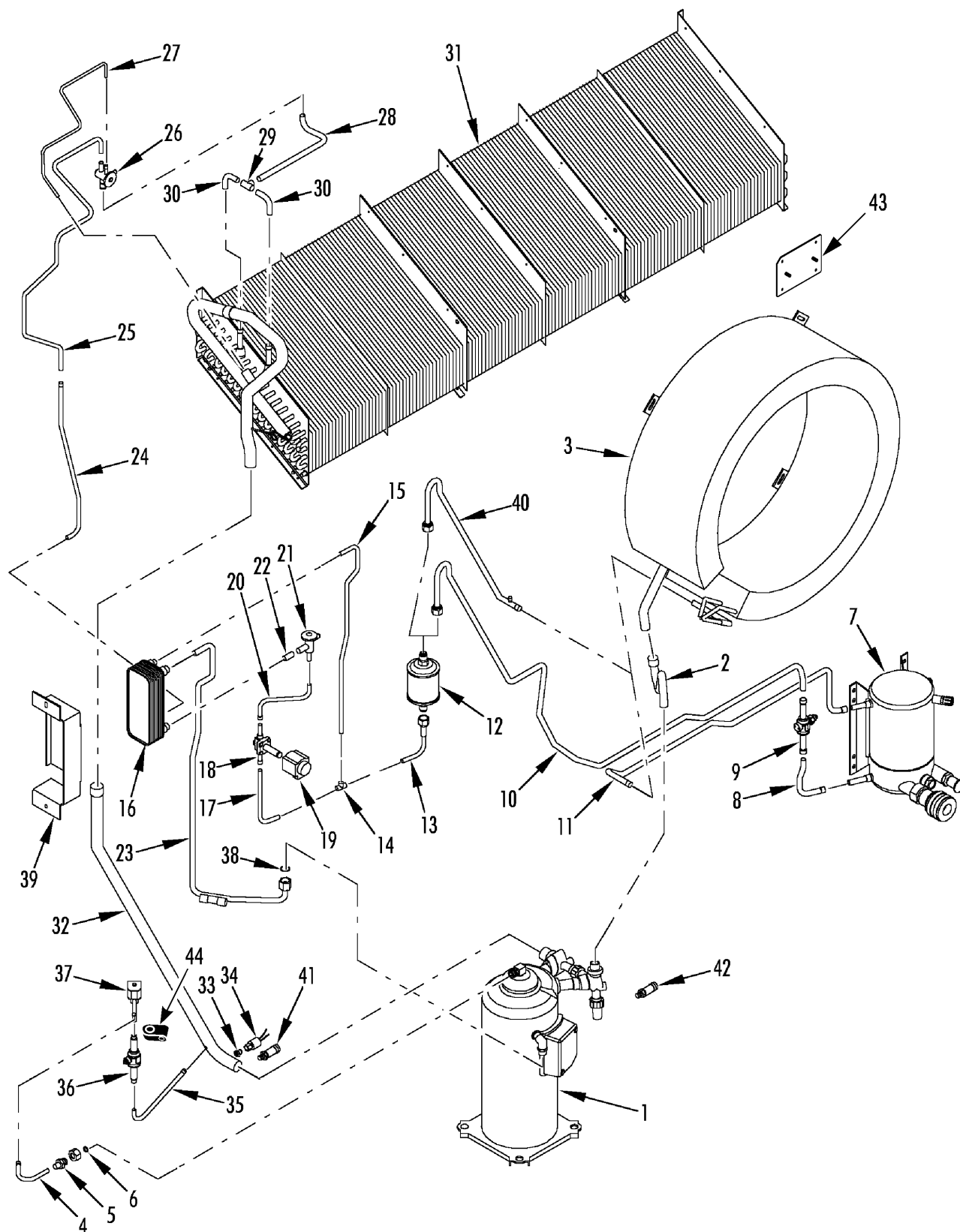
# REFRIGERATION COMPONENTS (SERVICE VALVES)

 Revised  
09/28/18


Revised  
09/28/18**REFRIGERATION COMPONENTS (SERVICE  
VALVES)****235E0**

| REF | PART NO.  | DESCRIPTION                                  | QTY |
|-----|-----------|----------------------------------------------|-----|
| 32  | 612466    | TUBE - suction to ball valve                 | 1   |
| 33  | 612465    | VALVE - ball                                 | 1   |
| 34  | 617758    | VALVE (PWM)                                  | 1   |
|     | 417937    | * COIL (only)                                | 1   |
| 35  | 669842    | VALVE                                        | 1   |
| 36  | 414473    | SWITCH - lpco                                | 1   |
| 37  | 330566    | O-RING                                       | 1   |
| 38  | 612468    | TUBE - heat exchanger to evaporator          | 1   |
|     | 334501    | INSULATION - tube (14.1 in lg)               | A/R |
| 39  | 612050TKA | TUBE - exchanger to coil (#2)                | 1   |
| 40  | 610443    | VALVE - expansion                            | 1   |
| 41  | 612048    | TUBE - equalizer                             | 1   |
| 42  | 612049    | TUBE - expansion valve to tee                | 1   |
| 43  | 552296    | TEE                                          | 1   |
| 44  | 612051    | TUBE - tee to distributor                    | 1   |
| 45  | 671923    | COIL - evaporator (14.7/374 wide, see 235E9) | 1   |
| 46  | 414004    | SWITCH - hpco                                | 1   |
| 47  | 556388    | CLAMP - tube (3/8)                           | 3   |
|     | 910759    | CLAMP - tube (1/2)                           | 1   |
|     | 513170    | SPACER (18 mm)                               | 4   |
|     | 557029    | SCREW - clamp (65 mm)                        | 2   |
|     | 558993    | SCREW - clamp (50 mm)                        | 2   |
|     | 559027    | WASHER (nylon)                               | 2   |
| 48  | 902523    | KIT - condenser coil stud (set of three)     | 1   |
| 49  | 910758    | CLAMP - tube                                 | 1   |
|     | 511477    | SCREW - clamp                                | 1   |
|     | 511441    | FLATWASHER                                   | 1   |
|     | 922229    | SPACER                                       | 1   |

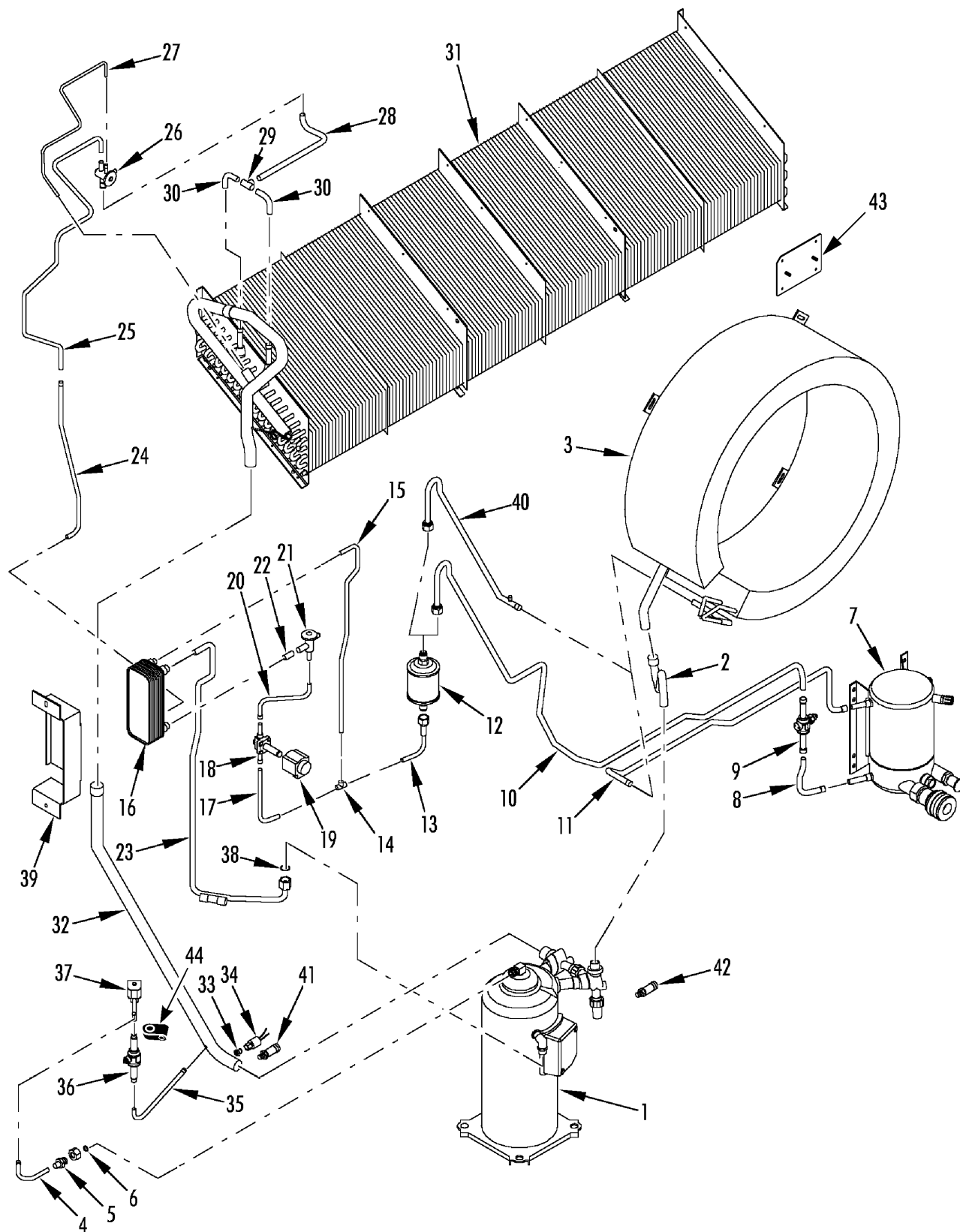
**189B9**
**REFRIGERATION COMPONENTS (WCC,  
SERVICE VALVES)**

 Revised  
03/29/23


Revised  
03/29/23**REFRIGERATION COMPONENTS (WCC,  
SERVICE VALVES)****189B9**

| REF | PART NO.  | DESCRIPTION                                           | QTY |
|-----|-----------|-------------------------------------------------------|-----|
| 1   | 1020795   | COMPRESSOR - scroll (see 180E1)                       | 1   |
| 2   | 612477    | TUBE - valve to coil                                  | 1   |
| 3   | 600285TKA | COIL - condenser (copper fins)                        | 1   |
|     | 600310TKA | COIL - condenser (aluminum fins)                      | 1   |
| 4   | 612467TKA | TUBE - valve to compressor                            | 1   |
| 5   | 612162TKA | ADAPTER - compressor                                  | 1   |
| 6   | 333912TKA | SEAL (PTFE)                                           | 1   |
|     | 667543    | TUBE (0.500 od x 1.880 lg cu)                         | 1   |
|     | 669447    | TUBE (0.500 od x 2.250 lg cu)                         | 1   |
| 7   | 671575    | TANK - water cooled condenser (see 154E13)            | 1   |
| 8   | 613504    | TUBE - condenser to tee                               | 1   |
| 9   | 669125    | VALVE - ball                                          | 1   |
| 10  | 613542    | TUBE - valve to dehydrator                            | 1   |
| 11  | 611305    | TUBE - condenser to condenser                         | 1   |
| 12  | 610786    | DEHYDRATOR                                            | 1   |
|     | 929520TKA | CLAMP - dehydrator                                    | 1   |
|     | 511440TKA | SCREW - clamp                                         | 1   |
|     | 511441    | FLATWASHER                                            | 2   |
|     | 511425    | NUT                                                   | 1   |
| 13  | 613503    | TUBE - filter                                         | 1   |
| 14  | 553251TKA | TEE                                                   | 1   |
| 15  | 612471    | TUBE - tee to exchanger                               | 1   |
| 16  | 671889    | HEAT EXCHANGER - economizer                           | 1   |
| 17  | 612472    | TUBE - tee to valve                                   | 1   |
| 18  | 612470TKA | VALVE - solenoid (vapor injection)                    | 1   |
| 19  | 415460    | COIL - valve                                          | 1   |
| 20  | 600731    | KIT - TXV (economizer, includes tube, valve and bulb) | 1   |
| 21  | NSS       | * VALVE - expansion (economizer)                      | 1   |
| 22  | 611847    | TUBE - expansion valve to exchanger                   | 1   |
| 23  | 612474    | TUBE - liquid injection                               | 1   |

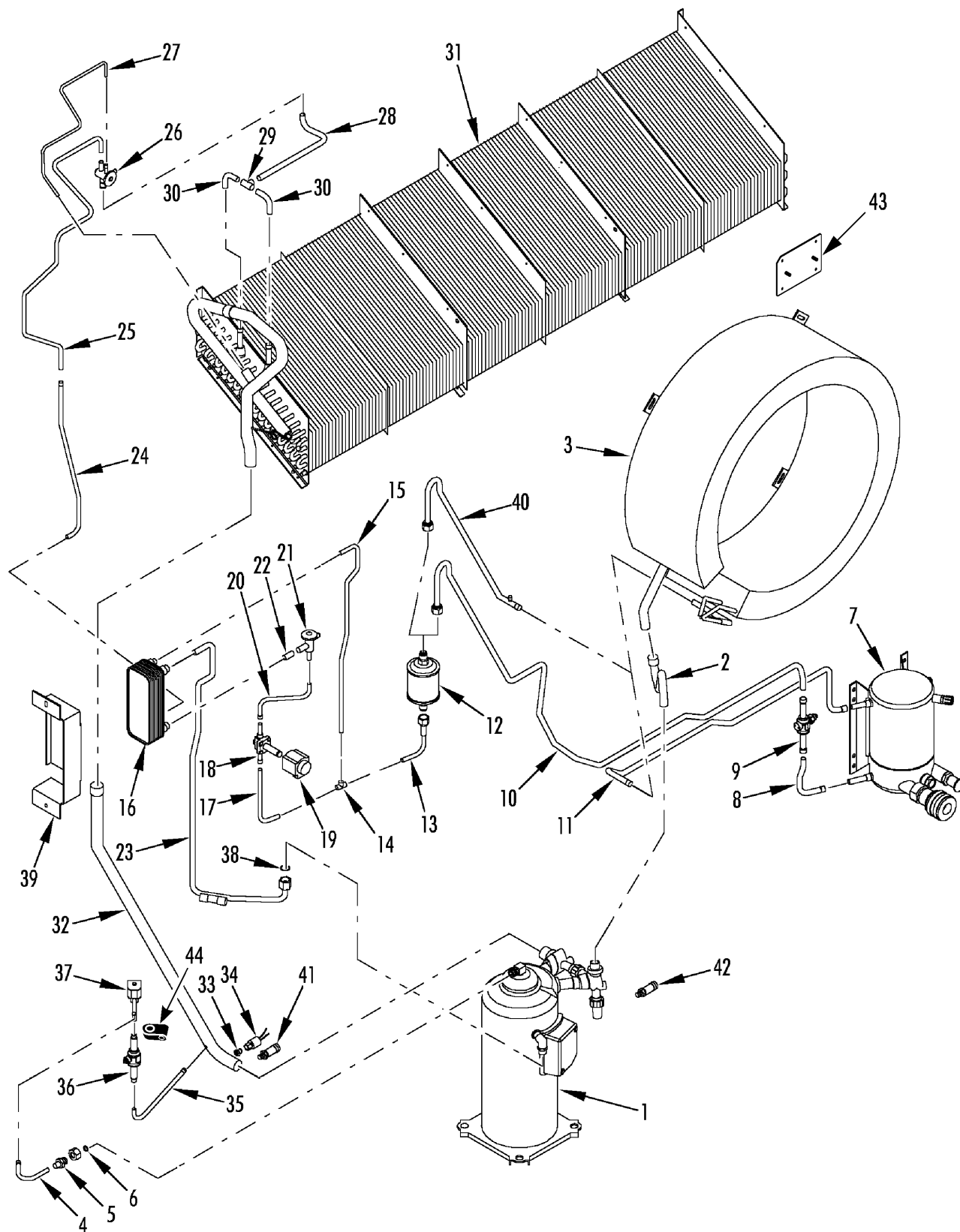
**189B9**
**REFRIGERATION COMPONENTS (WCC,  
SERVICE VALVES)**

 Revised  
03/29/23


Revised  
03/29/23**REFRIGERATION COMPONENTS (WCC,  
SERVICE VALVES)****189B9**

| REF | PART NO.  | DESCRIPTION                                                | QTY |
|-----|-----------|------------------------------------------------------------|-----|
|     | 558951    | SHOULDER - o-ring seal                                     | 1   |
|     | 558950    | NUT - o-ring seal                                          | 1   |
| 24  | 612468    | TUBE - heat exchanger to evaporator                        | 1   |
| 25  | 612050TKA | TUBE - exchanger to coil (#2)                              | 1   |
| 26  | 610443    | VALVE - expansion                                          | 1   |
|     | 922228    | SPACER - clamp                                             | 1   |
|     | 556388    | CLAMP - valve                                              | 1   |
|     | 511439    | SCREW - clamp                                              | 1   |
| 27  | 612048    | TUBE - equalizer                                           | 1   |
| 28  | 612049    | TUBE - expansion valve to tee                              | 1   |
| 29  | 552296    | TEE                                                        | 1   |
| 30  | 612051    | TUBE - tee to distributor                                  | 1   |
| 31  | 671923    | COIL - evaporator (14.7/374 wide see evaporator fan group) | 1   |
|     | 671921    | COIL - evaporator (13.0/330 wide, MAGNUM SL-40, see 183B4) | 1   |
|     | 671922    | COIL - evaporator (11.3/286 wide, MAGNUM SL-20, see 183B6) | 1   |
| 32  | 612464    | TUBE - suction (before 4/05)                               | 1   |
|     | 613502    | TUBE - suction (4/05 & after)                              | 1   |
| 33  | 668054    | ADAPTER                                                    | 1   |
| 34  | 414473    | SWITCH - lpco                                              | 1   |
| 35  | 612466    | TUBE - suction to ball valve                               | 1   |
| 36  | 612465    | VALVE - ball                                               | 1   |
| 37  | 617758    | VALVE (PWM)                                                | 1   |
|     | 417937    | * COIL (only)                                              | 1   |
| 38  | 330566    | O-RING (#8)                                                | 1   |
| 39  | 923391    | BRACKET - heat exchanger                                   | 1   |
|     | 511442    | SCREW - bracket                                            | 2   |
|     | 559054    | WASHER - insulating                                        | 2   |
|     | 511464    | FLATWASHER                                                 | 2   |
| 40  | 613508    | TUBE - coil to dehydrator (units w/o WCC)                  | 1   |
| 41  | 425968    | TRANSDUCER - suction                                       | 1   |

**189B9**
**REFRIGERATION COMPONENTS (WCC,  
SERVICE VALVES)**

 Revised  
03/29/23


Revised  
03/29/23

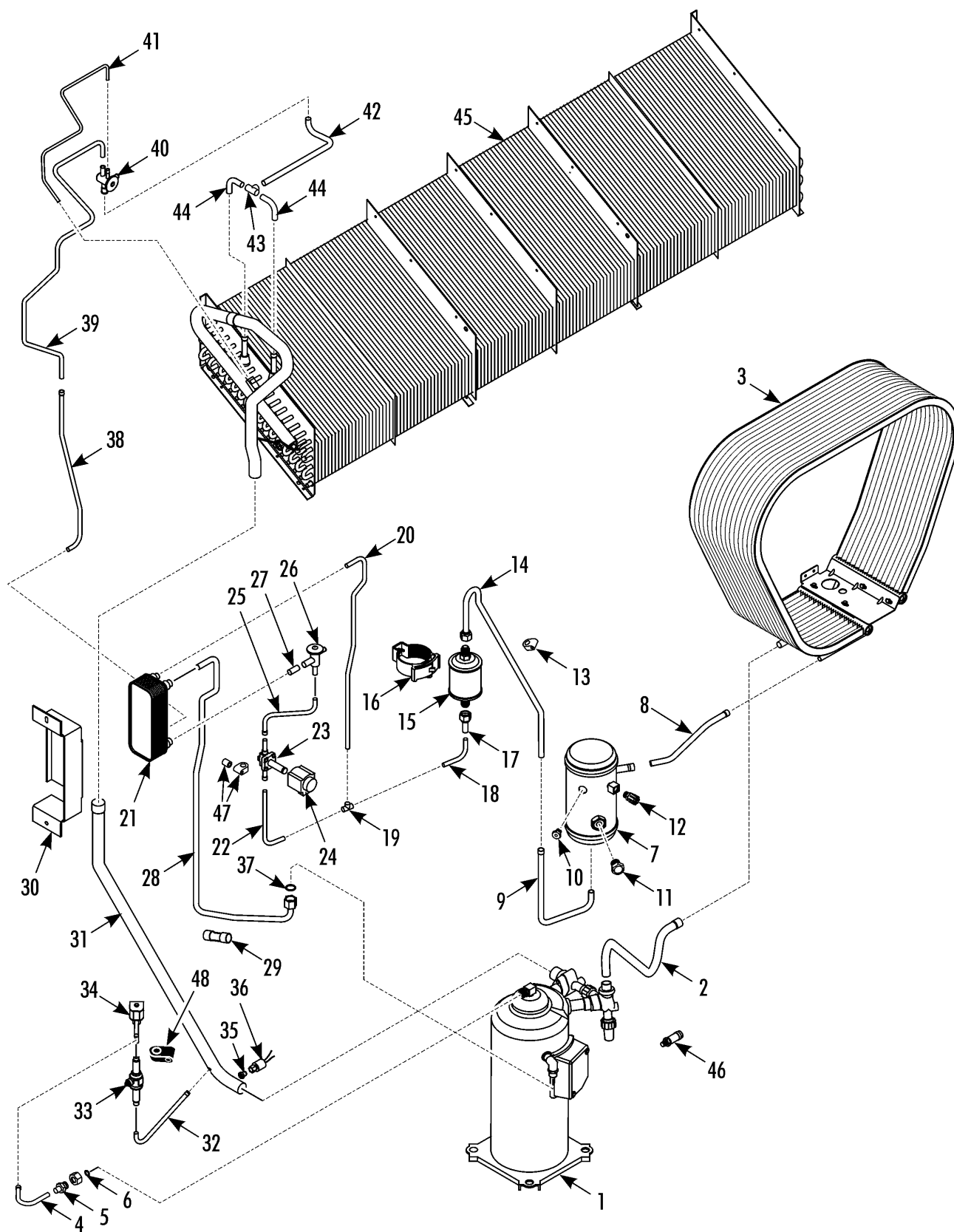
# REFRIGERATION COMPONENTS (WCC, SERVICE VALVES)



# 189B9

| REF | PART NO. | DESCRIPTION                              | QTY |
|-----|----------|------------------------------------------|-----|
| 42  | 425969   | TRANSDUCER - discharge (500 psi)         | 1   |
| 43  | 902523   | KIT - condenser coil stud (set of three) | 1   |
| 44  | 910758   | CLAMP - tube                             | 1   |
|     | 511477   | SCREW - clamp                            | 1   |
|     | 511441   | FLATWASHER                               | 1   |
|     | 922229   | SPACER                                   | 1   |

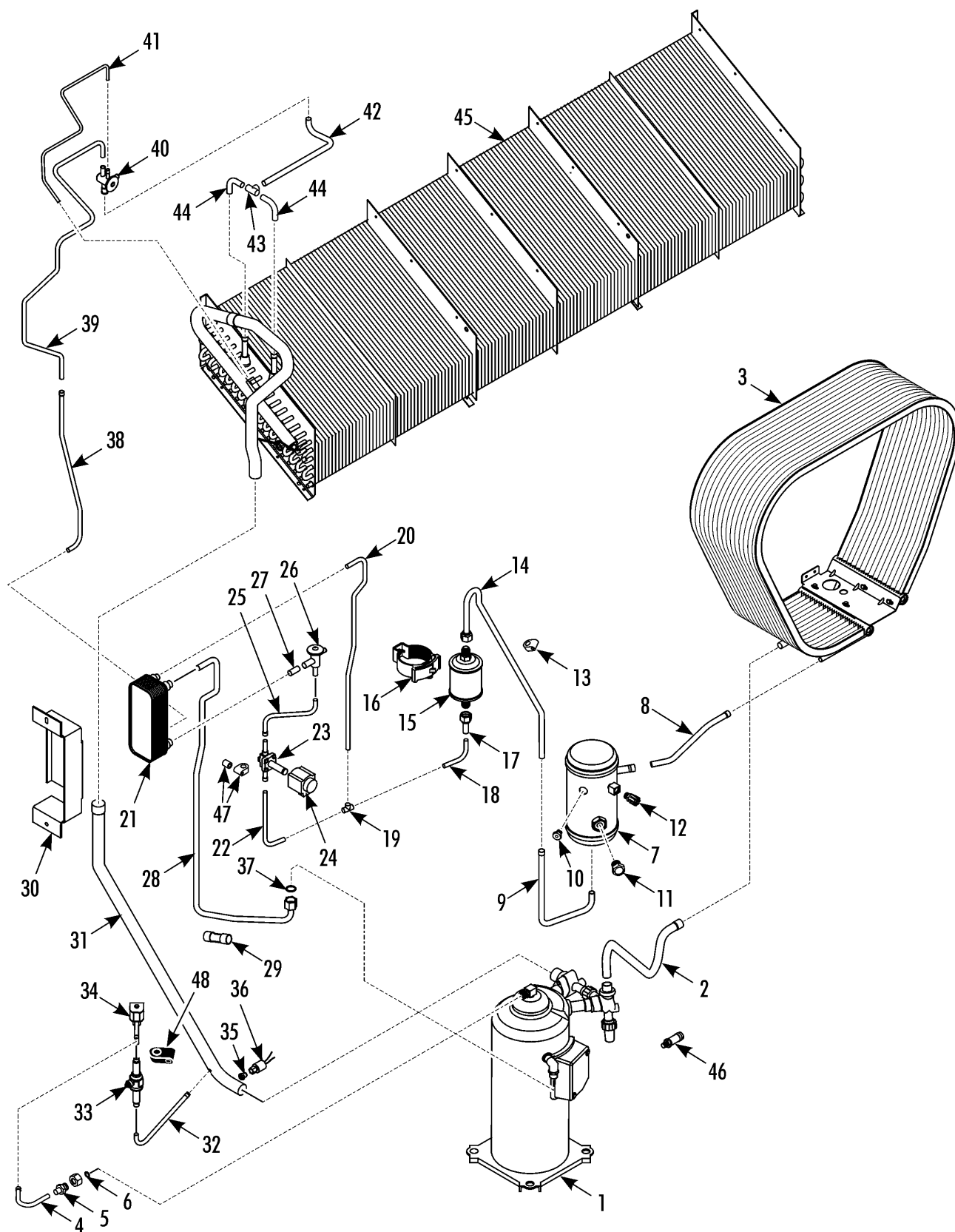
**298F2**
**REFRIGERATION COMPONENTS w/ Micro  
Channel Coil (SERVICE VALVES)**

 Revised  
11/06/17


Revised  
11/06/17**REFRIGERATION COMPONENTS w/ Micro  
Channel Coil (SERVICE VALVES)****298F2**

| REF | PART NO.  | DESCRIPTION                      | QTY |
|-----|-----------|----------------------------------|-----|
| 1   | 1020795   | COMPRESSOR - scroll (see 180E1)  | 1   |
|     | 922229    | SPACER - compressor              | 1   |
| 2   | 617816    | TUBE - valve to coil             | 1   |
| 3   | 672874    | COIL - condenser (micro channel) | 1   |
| 4   | 612467TKA | TUBE - valve to coil             | 1   |
| 5   | 612162TKA | ADAPTER - compressor             | 1   |
| 6   | 333912TKA | SEAL (PTFE)                      | 1   |
| 7   | 672876    | TANK - receiver                  | 1   |
| 8   | 617817    | * TUBE - receiver to condenser   | 1   |
| 9   | 617818    | * TUBE - receiver to dehydrator  | 1   |
| 10  | 513167    | * PLUG                           | 1   |
|     | 332205    | * O-RING - plug                  | 1   |
| 11  | 668811    | * INDICATOR - liquid             | 1   |
|     | 333007    | * O-RING                         | 1   |
| 12  | 666610    | * FITTING - highside             | 1   |
|     | 511467    | SCREW - receiver tank            | 4   |
|     | 511429    | LOCKWASHER                       | 4   |
| 13  | 910759    | CLAMP - tube                     | 2   |
|     | 513168    | SCREW - clamp                    | 1   |
|     | 513169    | SPACER - clamp                   | 1   |
| 14  | 617819    | TUBE - receiver to dehydrator    | 1   |
|     | 550302    | * NUT - adapter                  | 1   |
| 15  | 610786    | DEHYDRATOR                       | 1   |
| 16  | 929520TKA | CLAMP - dehydrator               | 1   |
|     | 511442    | SCREW - clamp                    | 1   |
|     | 511464    | FLATWASHER - clamp               | 1   |
|     | 559054    | WASHER - insulating              | 1   |
| 17  | 613506    | TUBE - filter                    | 1   |
|     | 550302    | NUT - adapter                    | 1   |
| 18  | 613503    | TUBE - filter to tee             | 1   |

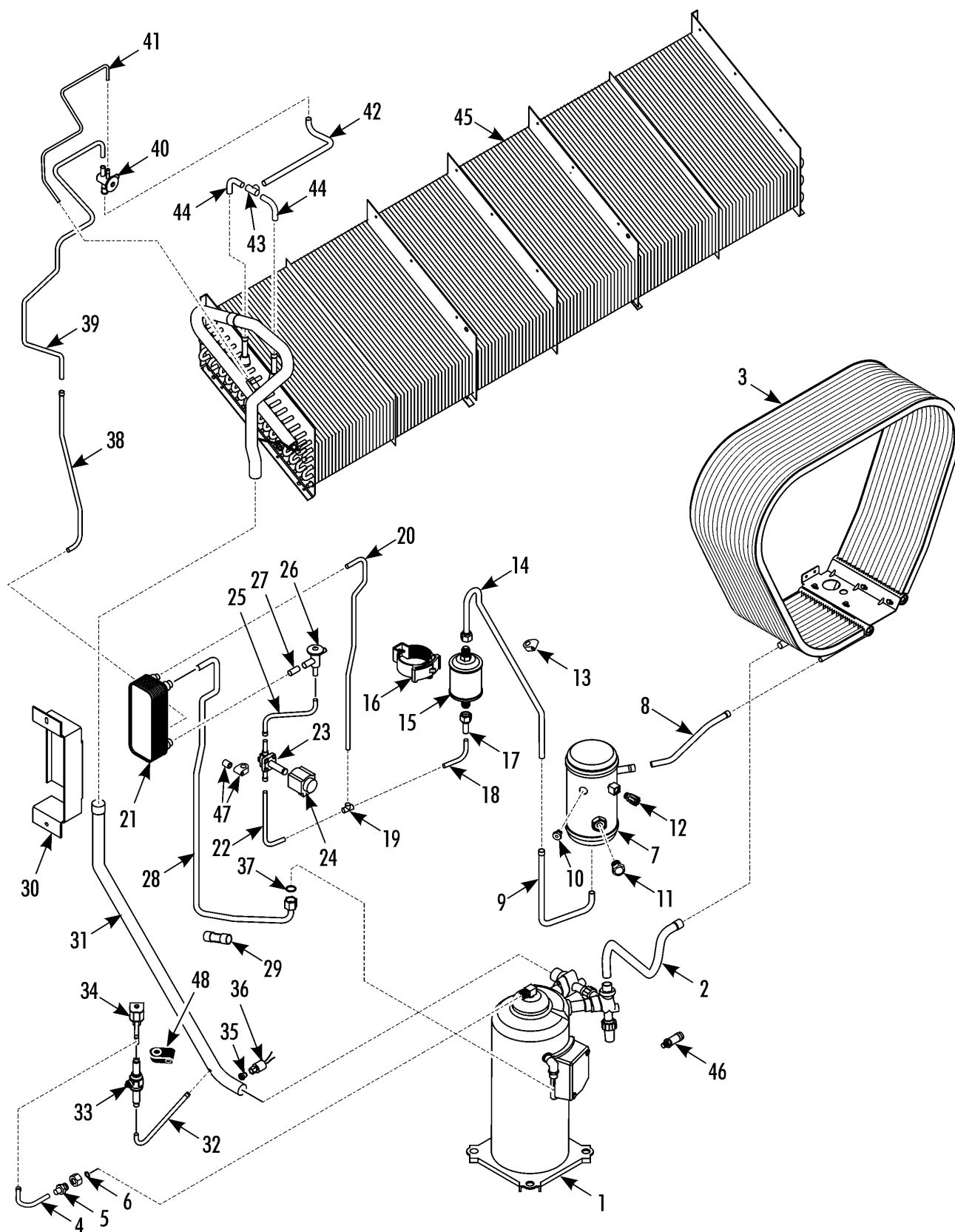
**298F2**
**REFRIGERATION COMPONENTS w/ Micro  
Channel Coil (SERVICE VALVES)**

 Revised  
11/06/17


Revised  
11/06/17**REFRIGERATION COMPONENTS w/ Micro  
Channel Coil (SERVICE VALVES)****298F2**

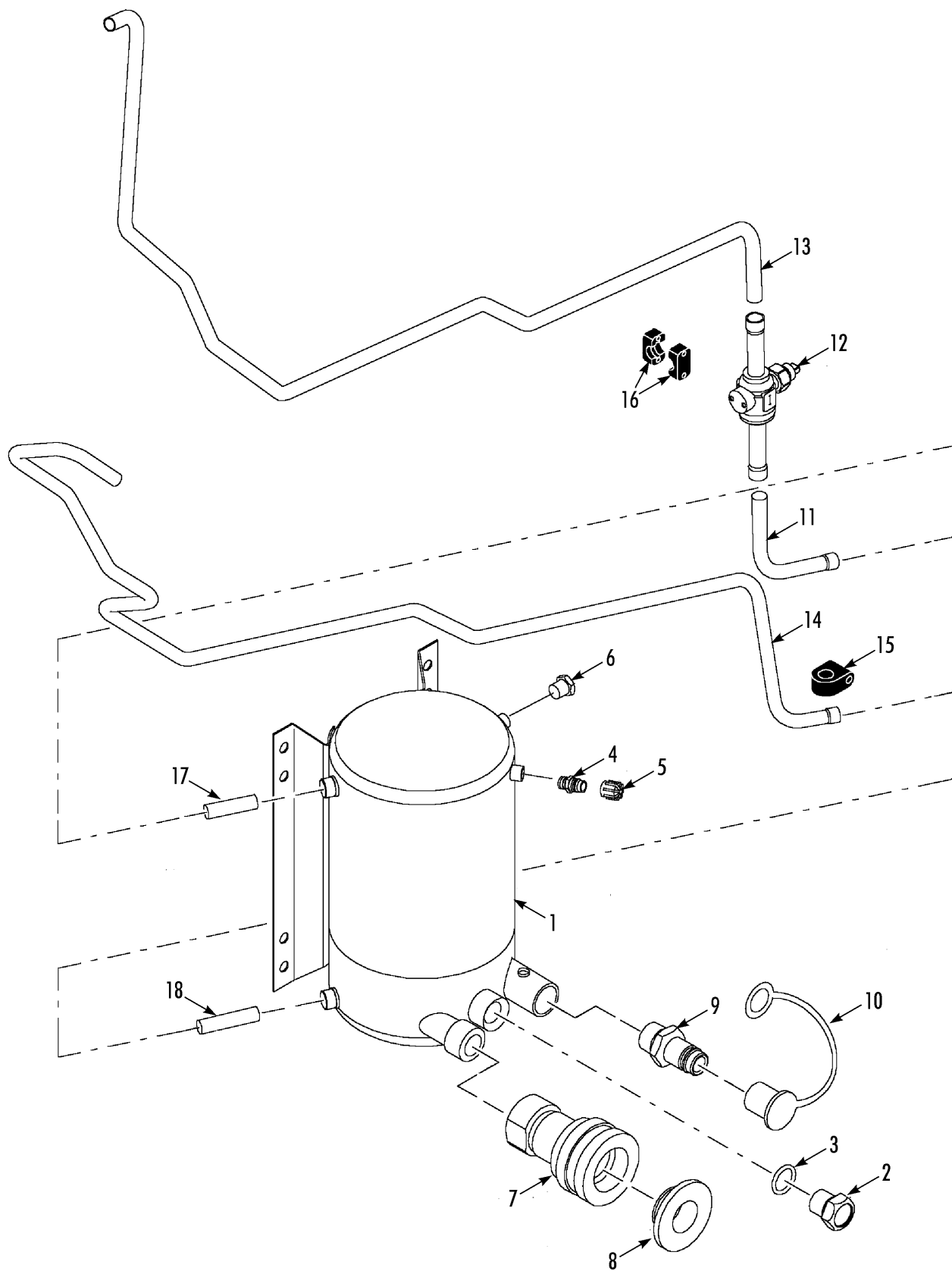
| REF | PART NO.  | DESCRIPTION                                           | QTY |
|-----|-----------|-------------------------------------------------------|-----|
| 19  | 553251TKA | TEE                                                   | 1   |
| 20  | 612471    | TUBE - tee to exchanger                               | 1   |
| 21  | 671889    | HEAT EXCHANGER - economizer                           | 1   |
|     | 923547    | INSULATION - heat exchanger                           | 1   |
| 22  | 612472    | TUBE - tee to valve                                   | 1   |
| 23  | 612470TKA | VALVE - solenoid (vapor injection)                    | 1   |
| 24  | 415460    | COIL - valve                                          | 1   |
|     | 5040919   | * COIL                                                | 1   |
| 25  | 600731    | KIT - TXV (economizer, includes tube, valve and bulb) | 1   |
| 26  | NSS       | * VALVE - expansion (economizer)                      | 1   |
| 27  | 611847    | TUBE - expansion valve to exchanger                   | 1   |
| 28  | 612474    | TUBE - liquid injection                               | 1   |
|     | 558951    | SHOULDER - o-ring seal                                | 1   |
|     | 558950    | NUT - o-ring seal                                     | 1   |
|     | 334499    | INSULATION - tube (cut to 24.5 in lg)                 | A/R |
|     | 911800TKA | CLAMP - tube                                          | 2   |
|     | 511442    | SCREW - clamp                                         | 1   |
|     | 511425    | NUT                                                   | 1   |
| 29  | NSS       | TUBE - tx bulb (included with item 25)                | 1   |
| 30  | 923391    | BRACKET - heat exchanger                              | 1   |
|     | 923550    | INSULATION                                            | 1   |
| 31  | 613502    | TUBE - suction                                        | 1   |
|     | 334500    | INSULATION - tube (42.1 in lg)                        | A/R |
| 32  | 612466    | TUBE - suction to ball valve                          | 1   |
| 33  | 612465    | VALVE - ball                                          | 1   |
| 34  | 617758    | VALVE (PWM)                                           | 1   |
|     | 417937    | * COIL (only)                                         | 1   |
| 35  | 666607    | FITTING - low side                                    | 1   |
|     | 667183    | * CAP - charge port (blue)                            | 1   |
|     | 668054    | ADAPTER                                               | 1   |

**298F2**
**REFRIGERATION COMPONENTS w/ Micro  
Channel Coil (SERVICE VALVES)**

 Revised  
11/06/17


Revised  
11/06/17**REFRIGERATION COMPONENTS w/ Micro  
Channel Coil (SERVICE VALVES)****298F2**

| REF | PART NO.  | DESCRIPTION                         | QTY |
|-----|-----------|-------------------------------------|-----|
| 36  | 414473    | SWITCH - lpco                       | 1   |
| 37  | 330566    | O-RING (#8)                         | 1   |
| 38  | 612468    | TUBE - heat exchanger to evaporator | 1   |
|     | 334501    | INSULATION - tube (14.1 in lg)      | A/R |
| 39  | 612050TKA | TUBE - exchanger to coil (#2)       | 1   |
| 40  | 610443    | VALVE - expansion                   | 1   |
| 41  | 612048    | TUBE - equalizer                    | 1   |
| 42  | 612049    | TUBE - expansion valve to tee       | 1   |
| 43  | 552296    | TEE                                 | 1   |
| 44  | 612051    | TUBE - tee to distributor           | 1   |
| 45  | 671923    | COIL - evaporator (14.7/374 wide)   | 1   |
| 46  | 414004    | SWITCH - hpco                       | 1   |
| 47  | 556388    | CLAMP - tube                        | 1   |
|     | 513170    | SPACER - clamp                      | 1   |
|     | 511462    | SCREW - clamp                       | 1   |
|     | 511441    | WASHER                              | 2   |
| 48  | 910758    | CLAMP - tube                        | 1   |
|     | 511477    | SCREW - clamp                       | 1   |
|     | 511441    | FLATWASHER                          | 1   |
|     | 922229    | SPACER                              | 1   |

**154E13****WATER COOLED CONDENSER**Revised  
09/12/22

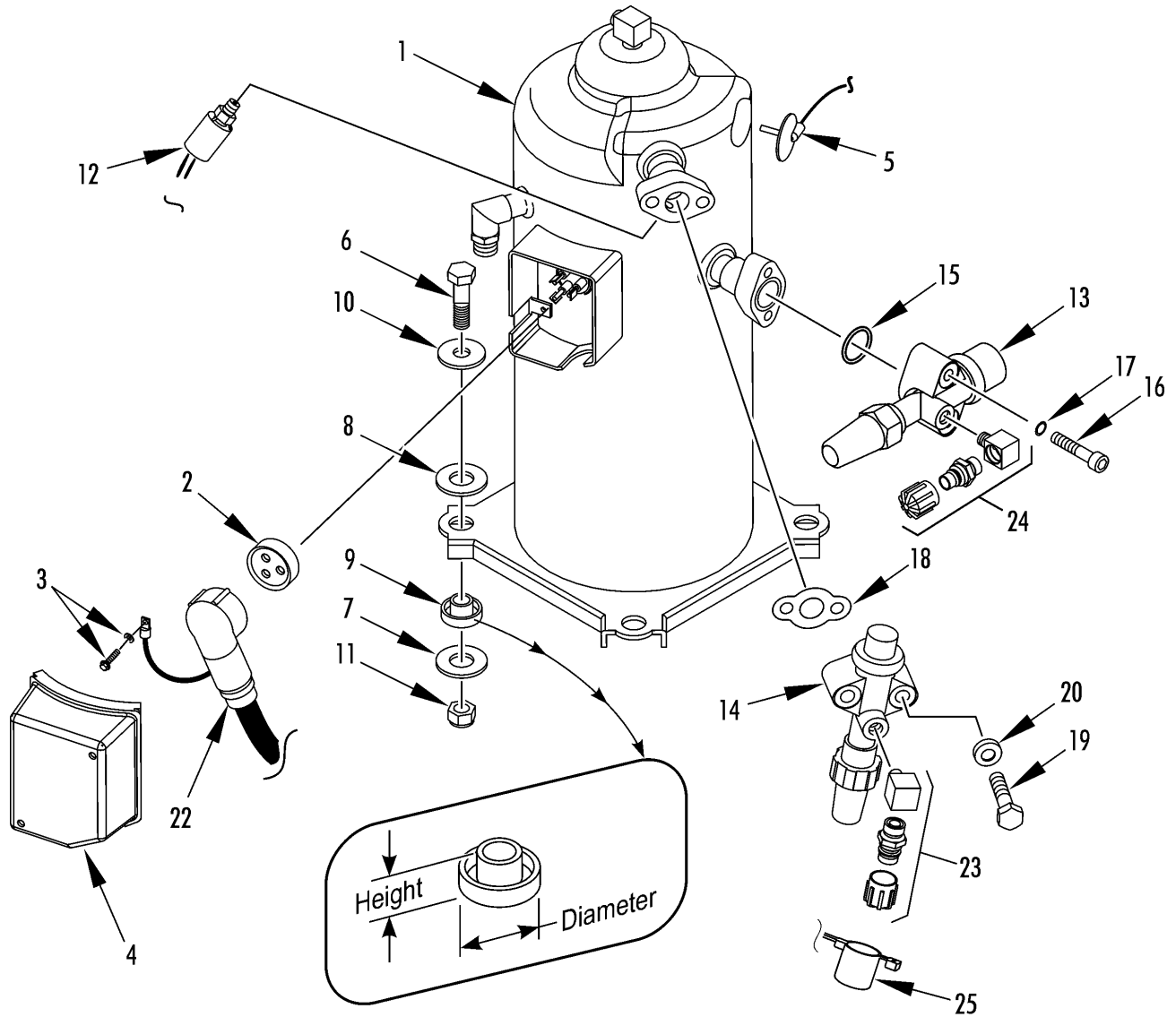
Revised  
09/12/22

## WATER COOLED CONDENSER



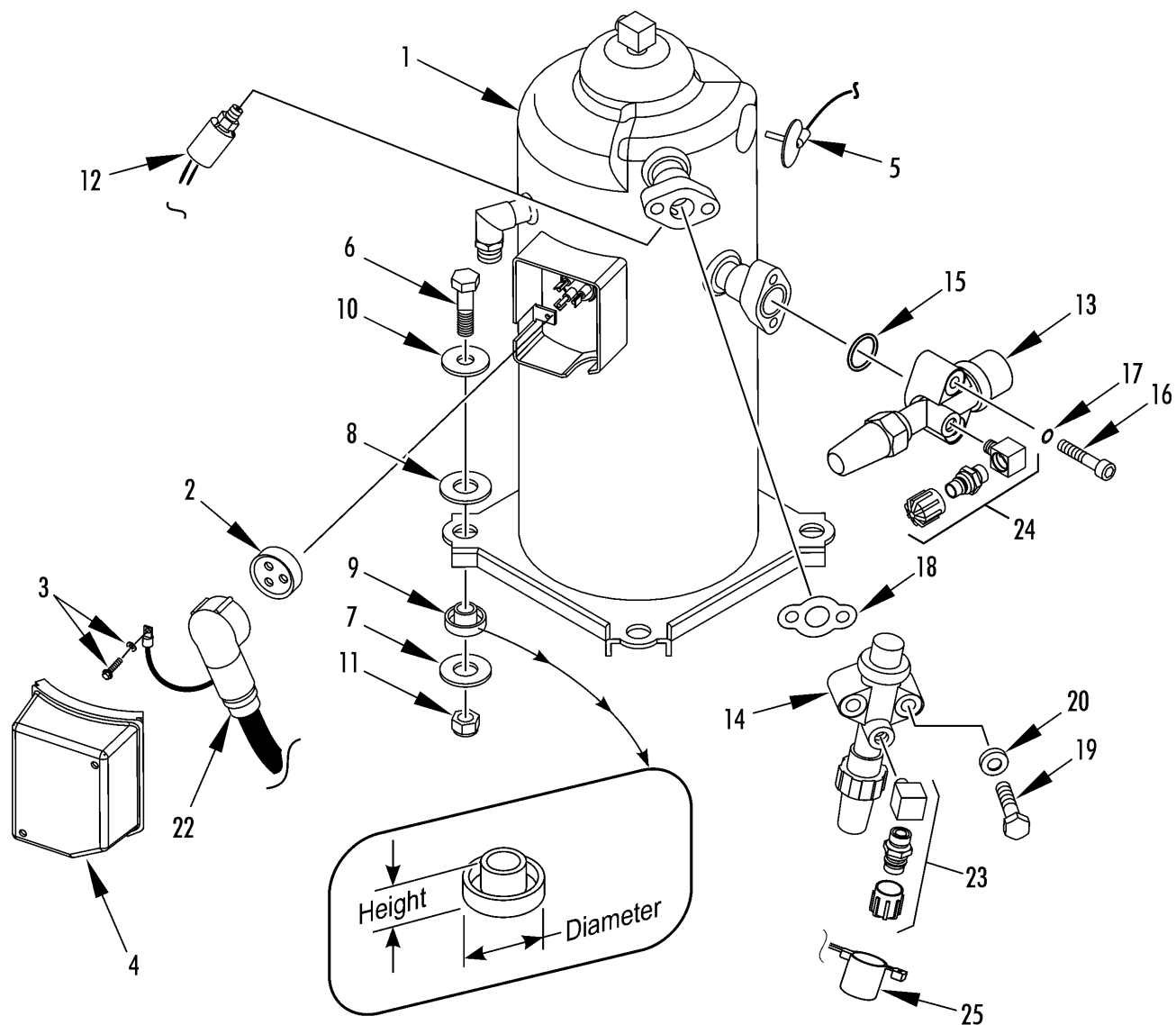
154E13

| REF | PART NO. | DESCRIPTION                   | QTY |
|-----|----------|-------------------------------|-----|
| 1   | 671575   | TANK - water cooled condenser | 1   |
| 2   | 668811   | INDICATOR                     | 1   |
| 3   | 333007   | O-RING                        | 1   |
| 4   | 666610   | FITTING - high side           | 1   |
| 5   | 667182   | * CAP - fitting               | 1   |
| 6   | 5060364  | PLUG - fusible                | 1   |
|     | 2030393  | SEALER - locking              | A/R |
|     | 511467   | SCREW - tank                  | 4   |
|     | 511429   | LOCKWASHER                    | 4   |
|     | 511430   | FLATWASHER                    | 4   |
| 7   | 664788   | COUPLING - outlet             | 1   |
|     | 2030385  | SEALER - thread               | A/R |
| 8   | 916627   | CAP - dust cover              | 1   |
| 9   | 513561   | PLUG - outlet                 | 1   |
| 10  | 916628   | CAP - dust cover              | 1   |
| 11  | 613504   | TUBE - condenser to filter    | 1   |
| 12  | 669125   | VALVE - ball                  | 1   |
| 13  | 613542   | TUBE - valve to dehydrator    | 1   |
| 14  | 611305   | TUBE - condenser to condenser | 1   |
| 15  | 910759   | CLAMP - tube                  | 2   |
|     | 511462   | SCREW - clamp                 | 1   |
| 16  | 556730   | CLAMP - tube                  | 6   |
|     | 557035   | SCREW - clamp                 | 2   |
|     | 557075   | FLATWASHER                    | 4   |
| 17  | 667543   | TUBE - stub (1.88 lg)         | 1   |
| 18  | 669447   | TUBE - stub (2.25 lg)         | 1   |

**259C5****COMPRESSOR GROUP (SERVICE VALVES)**Revised  
09/16/17

Revised  
09/16/17**COMPRESSOR GROUP (SERVICE VALVES)****259C5**

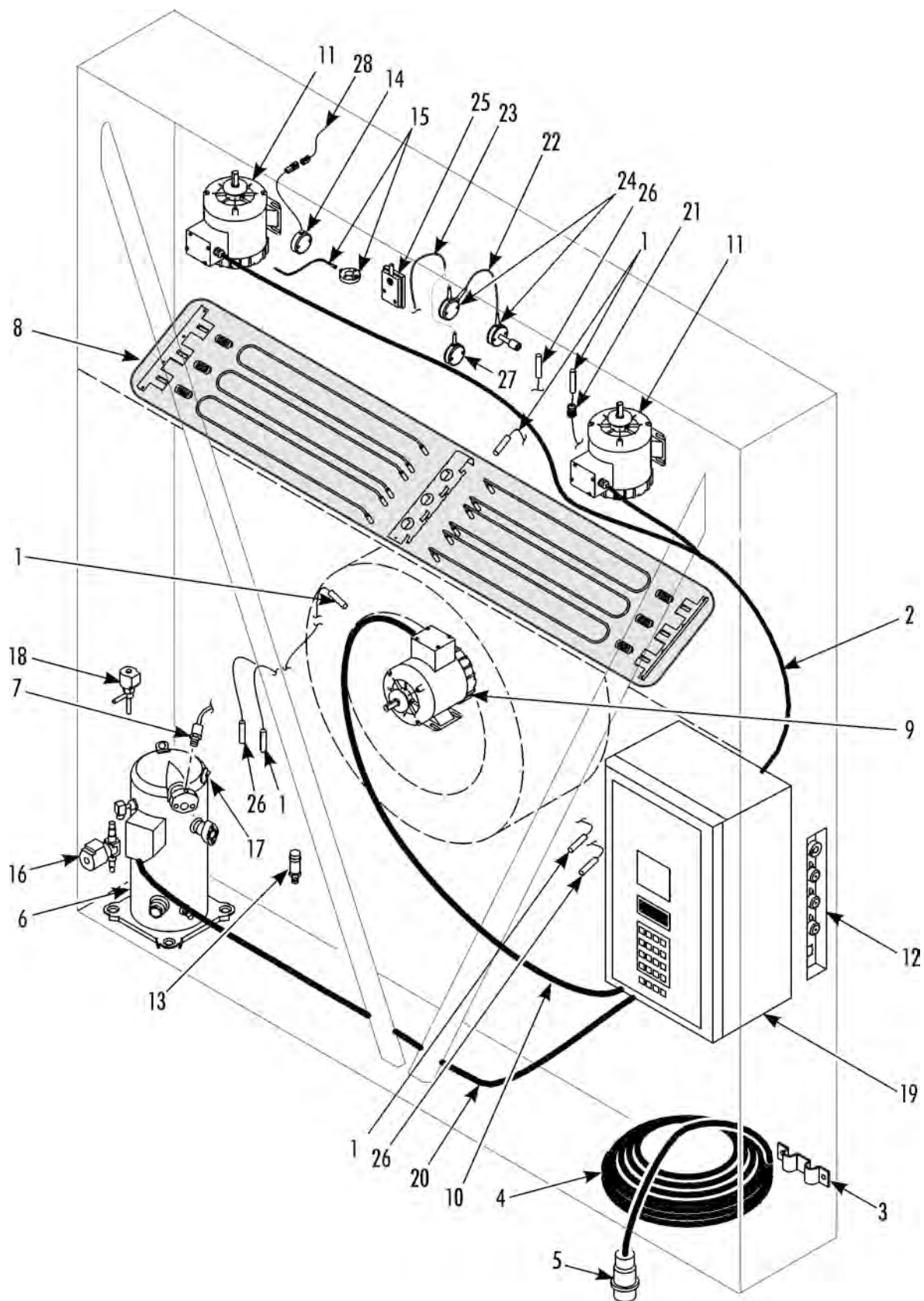
| REF | PART NO.  | DESCRIPTION                                    | QTY |
|-----|-----------|------------------------------------------------|-----|
| 1   | 1020795   | COMPRESSOR - scroll                            | 1   |
|     | 2030964   | OIL - compressor (1L)                          | A/R |
|     | 400779    | KIT - gasket & grease                          | 1   |
| 2   | 332951    | * GASKET - power connector                     | 1   |
|     | 332979    | * SEALER - silicone grease pack                | 1   |
| 3   | 558994    | * SCREW - ground                               | 1   |
|     | 558995    | * WASHER - ground                              | 1   |
| 4   | 919021    | COVER - terminal box                           | 1   |
| 5   | 401377    | KIT - thermistor                               | 1   |
| 6   | 511433    | SCREW - compressor                             | 4   |
| 7   | 511435    | FLATWASHER (12 mm)                             | 4   |
| 8   | 559012    | WASHER - vibration damper                      | 4   |
| 9   | 511432TKA | SPACER (1/03 - 3/10, height - 17.4, dia 34.3)  | 4   |
|     | 512033TKA | SPACER (3/10 & after, height - 17.9, dia 34.3) | 4   |
| 10  | 511436    | FLATWASHER (13 mm)                             | 4   |
| 11  | 511434    | NUT                                            | 4   |
| 12  | 414004    | SWITCH - hpco                                  | 1   |
|     | 2030393   | SEALER - thread (red)                          | A/R |
| 13  | 612118    | VALVE - suction                                | 1   |
| 14  | 612119    | VALVE - discharge                              | 1   |
| 15  | 330727    | O-RING - suction                               | 1   |
| 16  | 511438    | SCREW - flange                                 | 2   |
| 17  | 511429    | LOCKWASHER                                     | 2   |
| 18  | 335215    | GASKET - valve (service)                       | 1   |
| 19  | 511437    | SCREW - discharge valve                        | 2   |
| 20  | 510358    | WASHER - sealing                               | 2   |
| 22  | 400782    | KIT - power cord                               | 1   |
| 23  | 667812    | ADAPTER - high side                            | 1   |
|     | 666610    | FITTING - highside                             | 1   |
|     | 667182    | * CAP - fitting                                | 1   |

**259C5****COMPRESSOR GROUP (SERVICE VALVES)**Revised  
09/16/17

Revised  
09/16/17

**COMPRESSOR GROUP (SERVICE VALVES)****259C5**

| REF | PART NO. | DESCRIPTION                     | QTY |
|-----|----------|---------------------------------|-----|
| 24  | 668054   | ADAPTER - low side              | 1   |
|     | 666607   | FITTING - low side              | 1   |
|     | 667183   | * CAP - fitting                 | 1   |
|     | 2030393  | SEALER - thread (red)           | A/R |
|     | 616629   | CAP - tamper evident (optional) | A/R |

**235G1****ELECTRICAL COMPONENTS**Revised  
03/29/23

Revised  
03/29/23

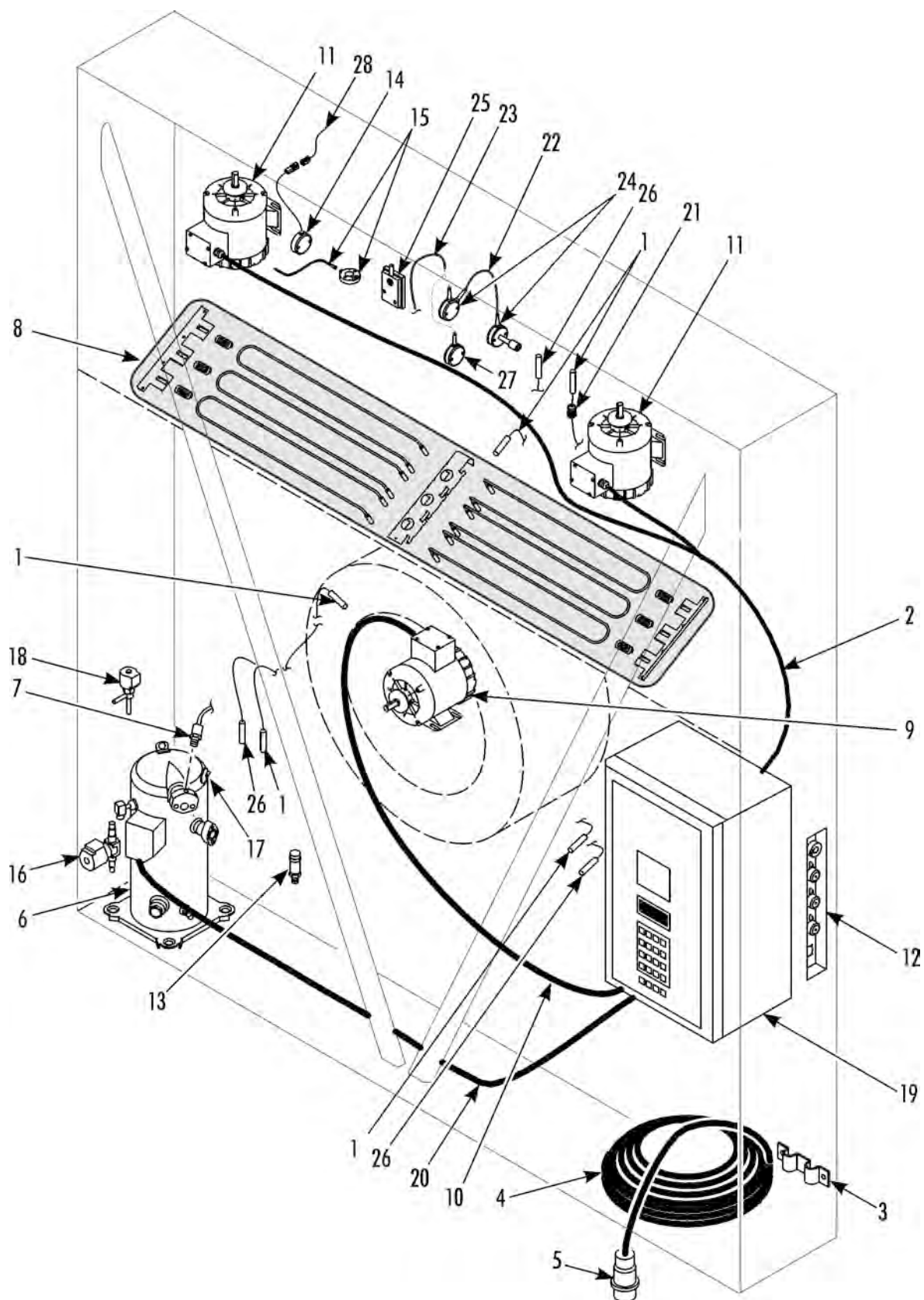
## ELECTRICAL COMPONENTS



235G1

| REF | PART NO.  | DESCRIPTION                                                | QTY |
|-----|-----------|------------------------------------------------------------|-----|
|     | 401044    | SENSOR - kit (defrost, ambient, air return, supply & coil) | A/R |
| 2   | 413685    | HARNESS - evaporator fan (w/ analog humidity sensor)       | 1   |
|     | 422605    | HARNESS - evaporator fan (w/ digital humidity sensor)      | 1   |
| 3   | 925546    | BRACKET - cable restraint                                  | 1   |
|     | 925660    | BRACKET - power cable (10/4 cable)                         | 1   |
|     | 511445    | SCREW - bracket                                            | 2   |
|     | 511446    | LOCKWASHER                                                 | 2   |
|     | 511441    | FLATWASHER                                                 | 2   |
|     | 559054    | WASHER - insulator                                         | 2   |
| 4   | 451992    | CABLE - power (19.2 meters 11/4 with 333 plug)             | 1   |
|     | 452143    | CABLE - power (19.2 meters 10/4 with 634 MP4 plug)         | 1   |
|     | 452709    | CABLE - power (22.8 meters 11/4 with 634 MP4 plug)         | 1   |
|     | 452708    | CABLE - power (19.8 meters 11/5 with 4 pin male plug)      | 1   |
|     | 422680    | CABLE - power (3 meters 16/3 with 2 pin female plug)       | 1   |
| 5   | 411976    | * PLUG - power (333, included w/ 45-1992)                  | 1   |
|     | 417153    | * PLUG - power (634 MP4, included w/ 45-2143)              | 1   |
|     | 422664    | * PLUG - power (4 pin male, included w/ 45-2708)           | 1   |
|     | 422681    | * PLUG - power (2 pin female, included w/ 42-2680)         | 1   |
|     | 449891    | * TERMINAL - pin                                           | 7   |
|     | 400692TKA | KIT - Cable Splice                                         | 1   |
|     | 451908    | CABLE (11/4, 250 ft roll)                                  | A/R |
|     | 452272    | CABLE (11/4, 1000 ft roll)                                 | A/R |
| 6   | 1020795   | COMPRESSOR - scroll (see 259C5)                            | 1   |
| 7   | 414004    | SWITCH - hpco                                              | 1   |
| 8   | NSS       | HEATER GROUP (see grid 259A4)                              | 1   |
| 9   | 1040759   | MOTOR - condenser fan (see 235E8)                          | 1   |
| 10  | 412953    | HARNESS - condenser fan (see 235E8)                        | 1   |
| 11  | 1040691   | MOTOR - evaporator fan (see 235E9 or 247C5)                | 2   |

NOTE: Sensor 419836 has been replaced with sensor 422659 and harness 401480. See service bulletin C-141 for more information.

**235G1****ELECTRICAL COMPONENTS**Revised  
03/29/23

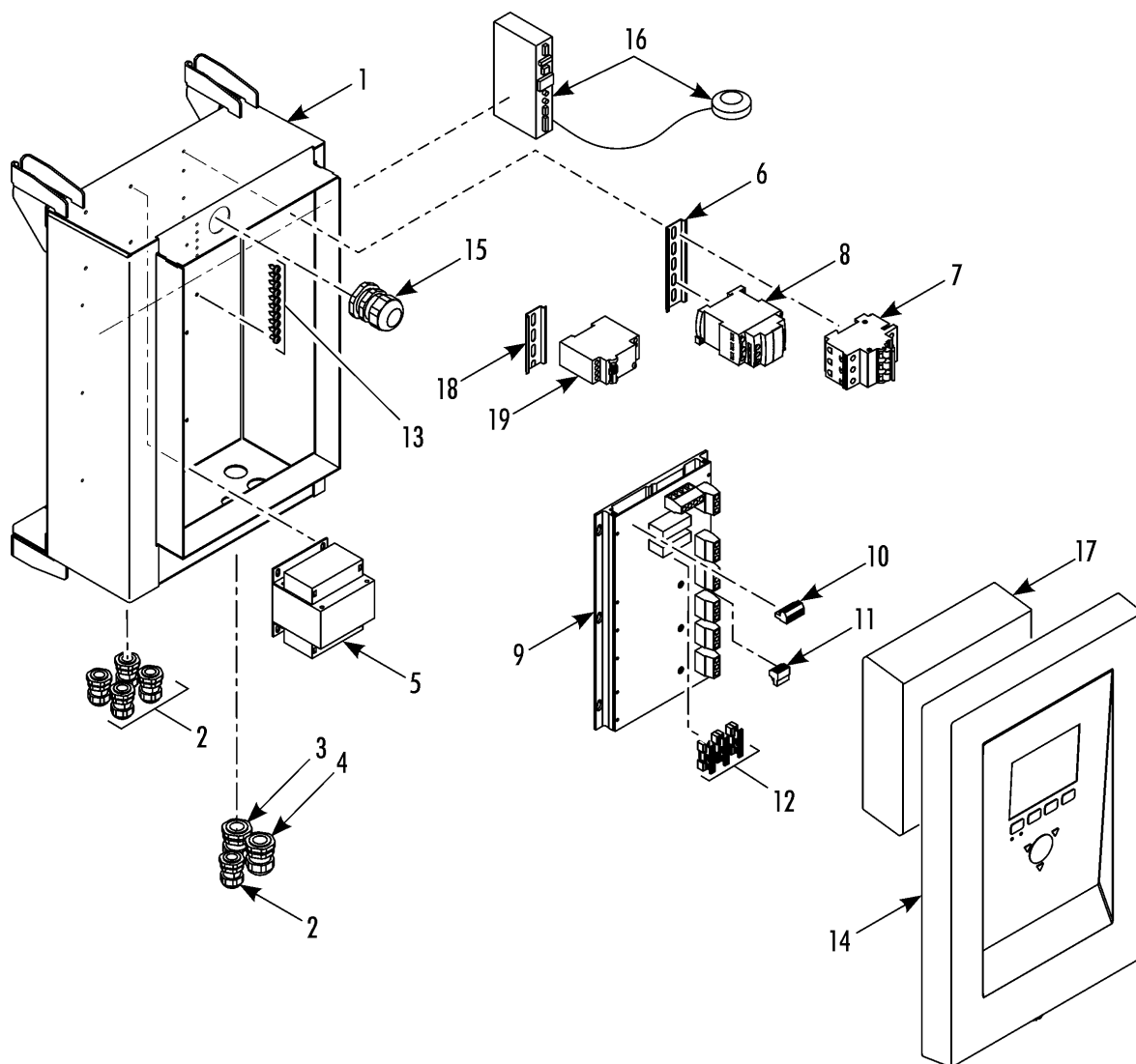
Revised  
03/29/23

## ELECTRICAL COMPONENTS

**235G1**

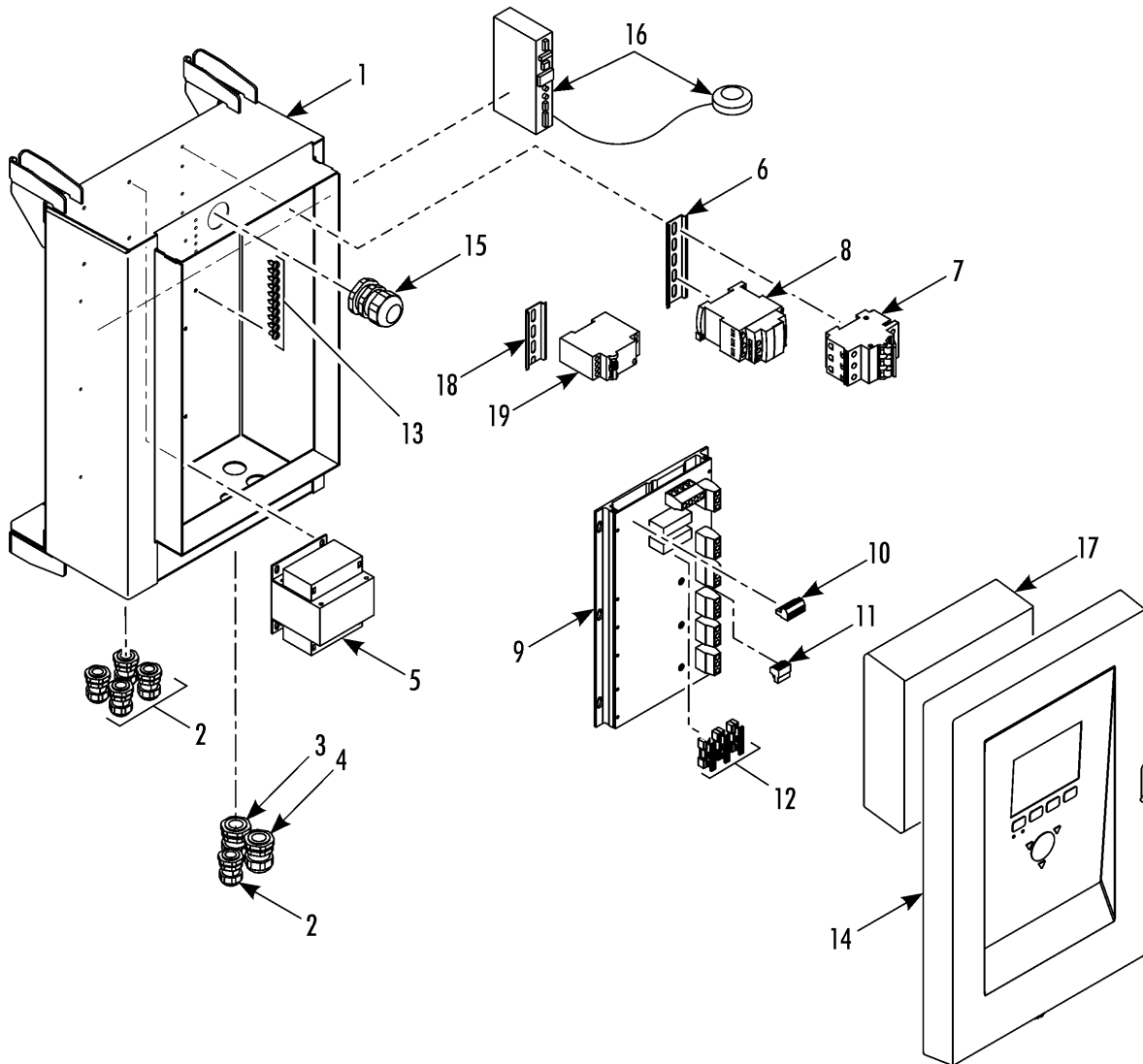
| REF | PART NO.  | DESCRIPTION                                                  | QTY |
|-----|-----------|--------------------------------------------------------------|-----|
| 12  | NSS       | PANEL - USDA receptacle (see 235G4 or 247C9)                 | 1   |
| 13  | 425968    | TRANSDUCER - suction                                         | 1   |
| 14  | 422659    | SENSOR - humidity                                            | 1   |
| 15  | 419836    | SENSOR - humidity (RS 485, mP 4000 only, see note)           | 1   |
|     | 420374    | CABLE - supply (RS 485)                                      | 1   |
| 16  | 612470TKA | VALVE - vapor injection (see 235E0 or 247C0)                 | 1   |
|     | 415460    | COIL - valve                                                 | 1   |
| 17  | 401377    | KIT - thermistor                                             | 1   |
| 18  | 617758    | VALVE - digital (see 235E0 or 247C0)                         | 1   |
|     | 417937    | * COIL (only)                                                | 1   |
| 19  | NSS       | BOX - control (see 235G2)                                    | 1   |
| 20  | 400782    | CABLE - compressor                                           | 1   |
| 21  | 510270    | CONNECTOR - liquid tite                                      | 1   |
| 22  | 420373    | CABLE - connection                                           | 1   |
| 23  | 420374    | CABLE - supply                                               | 1   |
| 24  | 401163    | KIT, CO2/ O2 RS485 sensor                                    | 1   |
| 25  | NSS       | SENSOR - humidity (for OOCL, not supplied by Thermo King)    | 1   |
| 26  | NSS       | SENSOR - temperature (for OOCL, not supplied by Thermo King) | 3   |
| 27  | 421595    | SENSOR - CO2 (RS485, sensor only)                            | 1   |
| 28  | 401480    | HARNESS - humidity sensor                                    | 1   |

NOTE: Sensor 419836 has been replaced with sensor 422659 and harness 401480. See service bulletin C-141 for more information.

**235G2****CONTROL BOX (mP-4000)**Revised  
12/07/21

Revised  
12/07/21**CONTROL BOX (mP-4000)****235G2**

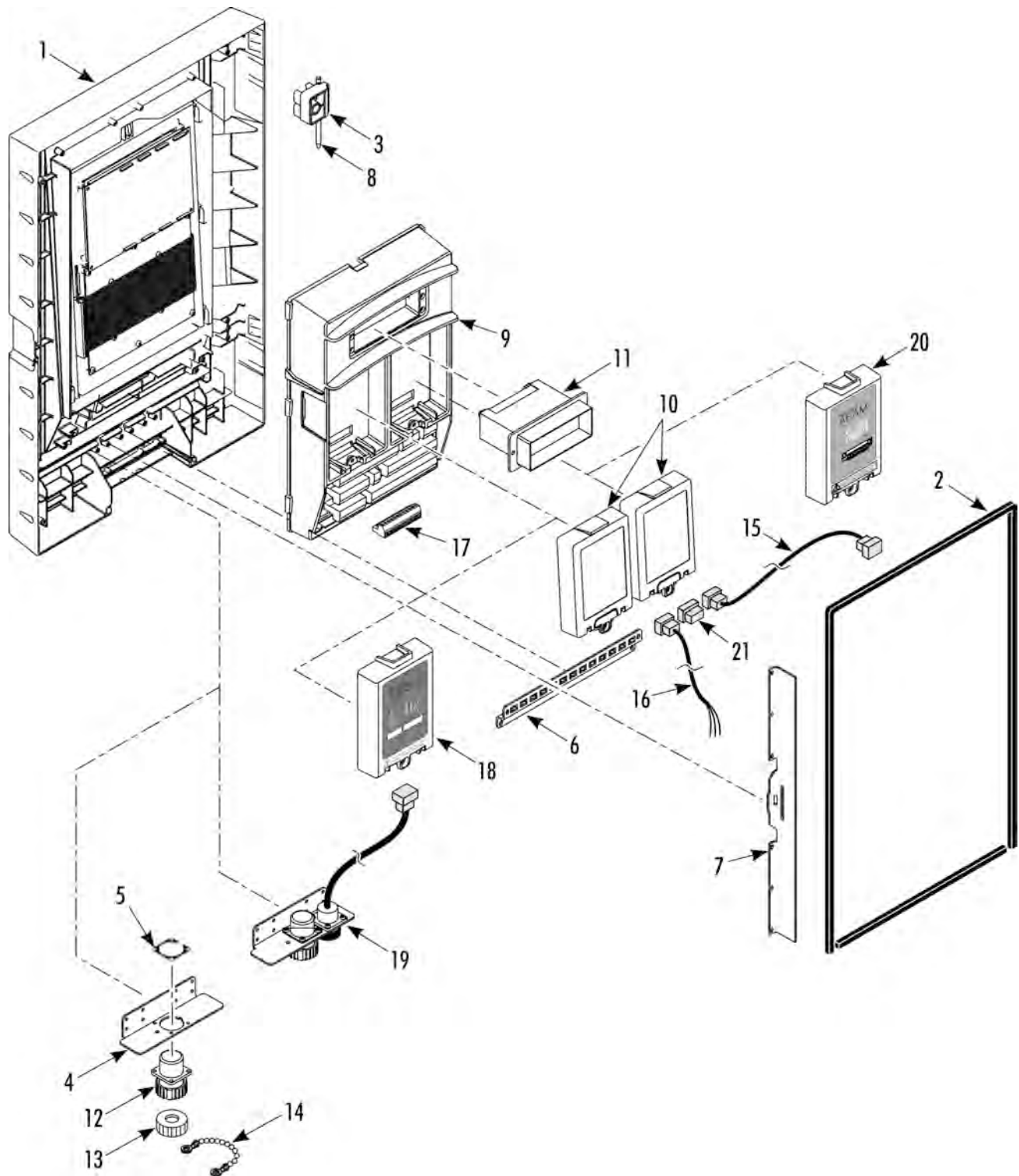
| REF | PART NO.  | DESCRIPTION                                                 | QTY |
|-----|-----------|-------------------------------------------------------------|-----|
| 1   | 047225TKA | BASE - control box (mP-4000)                                | 1   |
|     | 931898    | * BOX - control                                             | 1   |
| 2   | 555900    | * CONNECTOR - liquid tite (22.5 mm)                         | 5   |
| 3   | 555112    | * CONNECTOR - liquid tite (38 mm)                           | 1   |
| 4   | 555257    | * CONNECTOR - liquid tite (28 mm)                           | 1   |
| 5   | 418763    | * TRANSFORMER                                               | 1   |
|     | 511419    | * NUT                                                       | 4   |
|     | 511872TKA | * FLATWASHER                                                | 4   |
|     | 511270TKA | * STUD                                                      | 5   |
| 6   | 927635    | * RAIL - din                                                | 1   |
|     | 511445    | * SCREW                                                     | 4   |
|     | 559485    | * FLATWASHER                                                | 4   |
| 7   | 415104    | * BREAKER - circuit (25A)                                   | 1   |
|     | 420352    | * BREAKER - circuit (adjustable, 25-32A)                    | 1   |
| 8   | 423820    | * CONTACTOR (CI 25)                                         | 1   |
|     | 401660    | * KIT - interlock                                           | 1   |
| 9   | 418719    | * MODULE - power (MP-4000)                                  | 1   |
|     | 423069    | ** BOARD - communication (see Service Bulletin C131)        | 1   |
| 10  | 5040843   | * BLOCK - terminal (6 pole)                                 | 1   |
| 11  | 413596    | * BLOCK - terminal (4 pole)                                 | 1   |
| 12  | 419286    | * FUSE & COVER (20A, black fuse)                            | 3   |
| 13  | 510336    | * SCREW                                                     | 10  |
|     | 511873TKA | * LOCKWASHER                                                | 10  |
| 14  | NSS       | * DOOR - controller (see 235G3 or 259C6)                    | 1   |
|     | 934514    | NAMEPLATE - mP 4000                                         | 1   |
| 15  | 413686    | * CONNECTOR - liquid tite                                   | 1   |
| 16  | NSS       | GPS MODEM & ANTENNA (for OOCL, not supplied by Thermo King) | 1   |
|     | 929521    | BRACKET - GPS (for OOCL)                                    | 1   |
|     | 510336    | SCREW - bracket                                             | 4   |
|     | 559444    | WASHER - insulating                                         | 4   |

**235G2****CONTROL BOX (mP-4000)**Revised  
12/07/21

Revised  
12/07/21

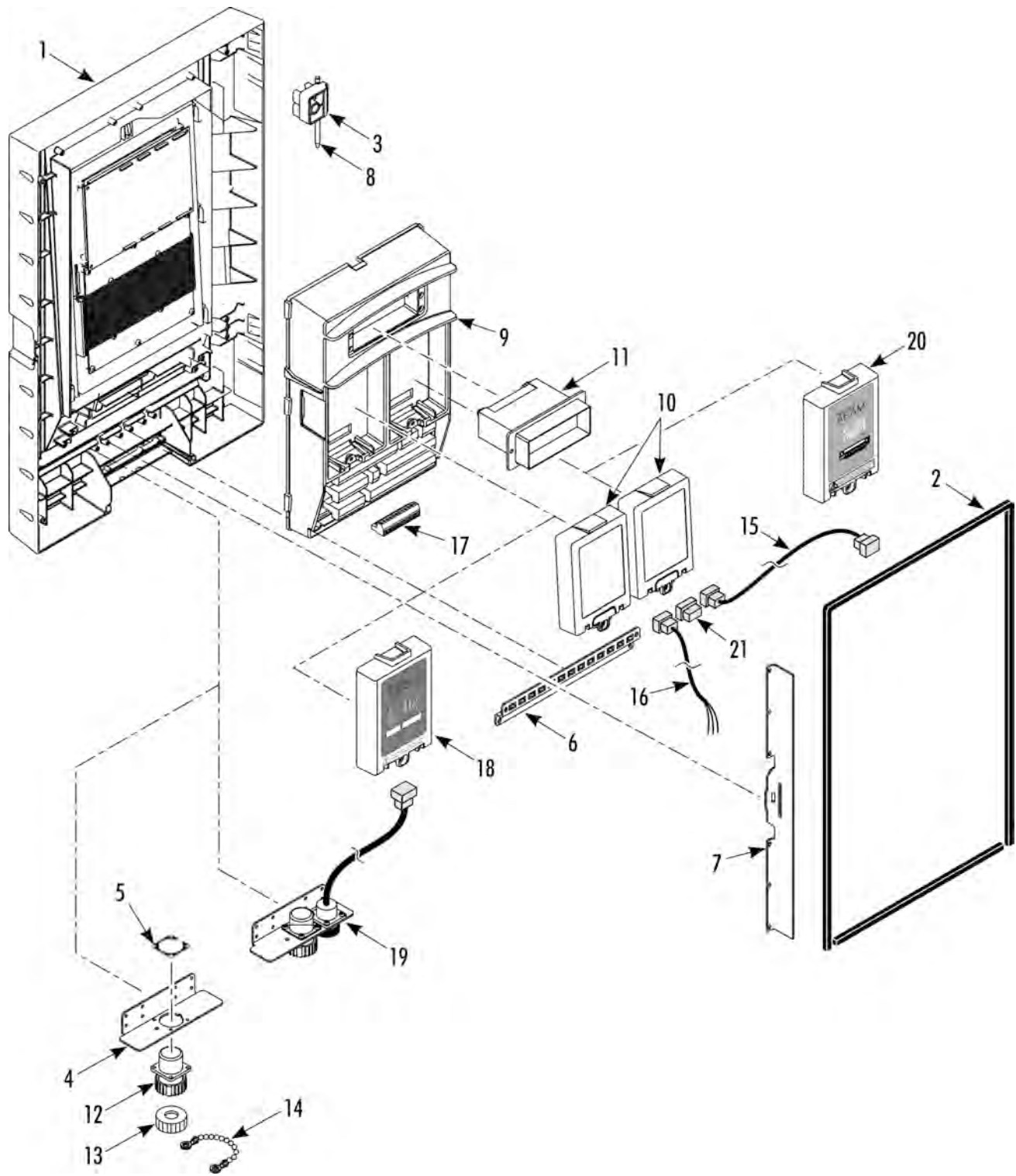
**CONTROL BOX (mP-4000)****235G2**

| REF | PART NO. | DESCRIPTION                  | QTY |
|-----|----------|------------------------------|-----|
| 17  | 401161   | KIT - RMM+ module (optional) | 1   |
| 18  | 919273   | RAIL - din                   | 1   |
| 19  | 422682   | BREAKER                      | 1   |

**235G3****CONTROL BOX DOOR (mP-4000)**Revised  
09/28/21

Revised  
09/28/21**CONTROL BOX DOOR (mP-4000)****235G3**

| REF | PART NO.  | DESCRIPTION                                       | QTY |
|-----|-----------|---------------------------------------------------|-----|
| 1   | 418723    | DOOR - front (mP-4000, includes keypad & display) | 1   |
|     | 424184    | * DISPLAY - LCD                                   | 1   |
| 2   | 334502    | * GASKET - door                                   | 1   |
| 3   | 511844    | * HINGE - top                                     | 2   |
|     | 511874TKA | * SCREW                                           | 6   |
| 4   | 927636    | * BRACKET - connector                             | 1   |
| 5   | 927637    | * BRACKET - washer                                | 1   |
|     | 511875    | * RIVET (3 X 10 mm)                               | 4   |
|     | 511876    | * RIVET (3 X 8 mm)                                | 1   |
| 6   | 927638    | * BRACKET - cable                                 | 1   |
| 7   | 927559    | * BRACKET - lock reinforcement                    | 1   |
| 8   | 511843    | * PIN - hinge                                     | 2   |
|     | 934514    | NAMEPLATE - mP-4000                               | 1   |
|     | 2043125   | TOOL - tester (mP-4000)                           | 1   |
|     | 2043140   | PLUG - analog 2 J1 (mP-4000)                      | 1   |
|     | 2043141   | PLUG - analog 3 J3 (mP-4000)                      | 1   |
|     | 2043142   | PLUG - analog 1 J4 (mP-4000)                      | 1   |
|     | 2043143   | PLUG - analog 1 J4 (mP-4000)                      | 1   |
|     | 2043144   | PLUG - COM & J28 (mP-4000)                        | 1   |
| 9   | 452295    | CONTROLLER (MP-4000)                              | 1   |
| 10  | 418718    | MODULE - blanking                                 | 2   |
| 11  | 418717    | MODULE - battery                                  | 1   |
| 12  | 418724    | CABLE - retriever                                 | 1   |
| 13  | 412406    | CAP - dust                                        | 1   |
| 14  | 928690TKA | STRAP - cap                                       | 1   |
| 15  | 418716    | CABLE - serial (CM-4000 to PM-4000)               | 1   |
|     | 421636    | * CONNECTOR - 10-pin (J2 & J17)                   | 2   |
| 16  | 418715    | CABLE - serial (cargo)                            | 1   |
|     | 419977    | * CONNECTOR - 6-pin (J9)                          | 1   |
| 17  | 419974    | CONNECTOR - 8-pin (J4)                            | 1   |

**235G3****CONTROL BOX DOOR (mP-4000)**Revised  
09/28/21

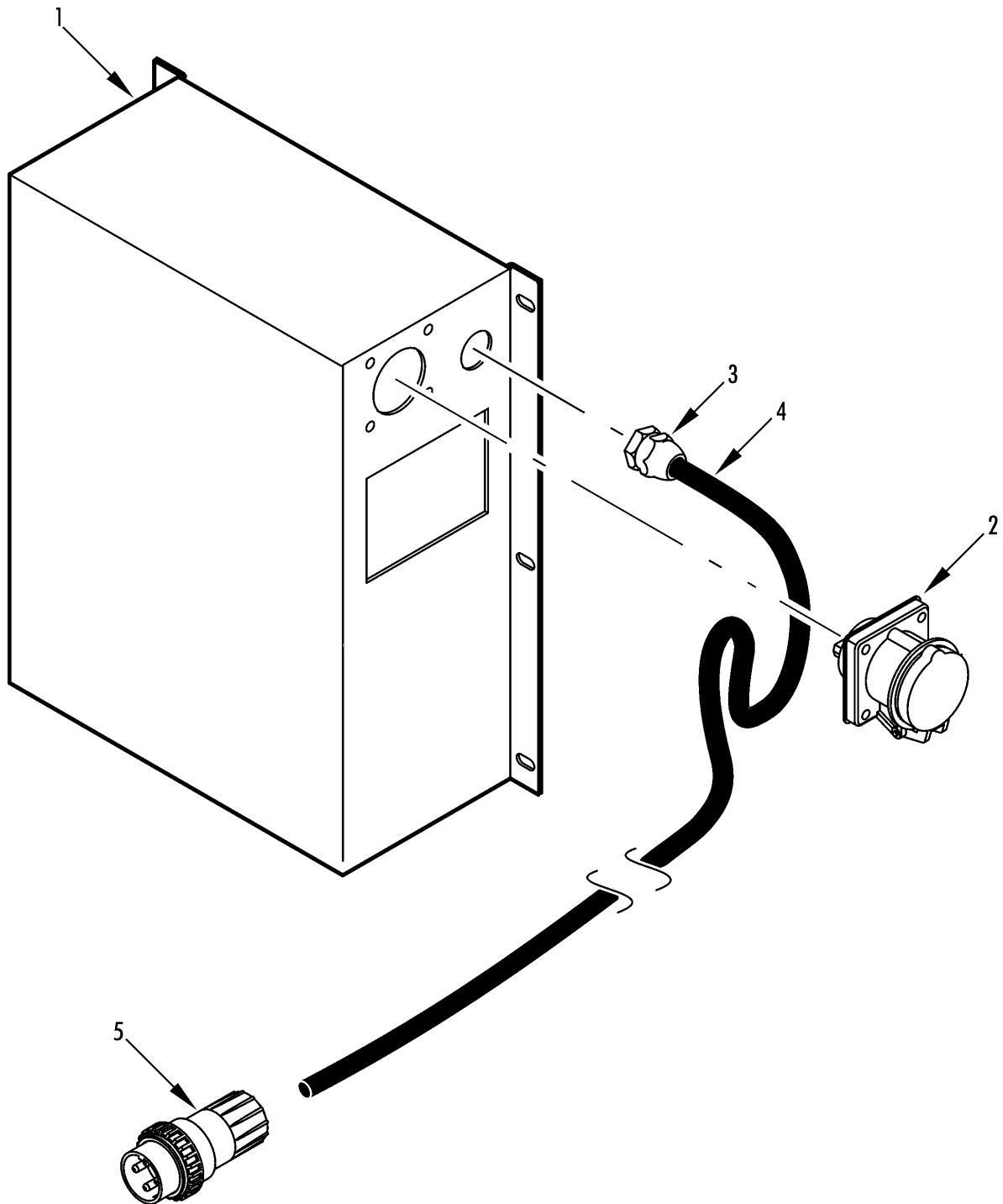
Revised  
09/28/21

# CONTROL BOX DOOR (mP-4000)



# 235G3

| REF | PART NO. | DESCRIPTION                                             | QTY |
|-----|----------|---------------------------------------------------------|-----|
|     | 423976   | CONNECTOR - 9-pin (J1)                                  | 1   |
|     | 419976   | CONNECTOR - 4-pin (J12)                                 | 1   |
|     | 419978   | CONNECTOR - 17-pin (J3)                                 | 1   |
|     | 421609   | CONNECTOR - 8-pin (J28)                                 | 1   |
|     | 421636   | CONNECTOR - 10-pin (J2 & J17)                           | 1   |
|     | 422580   | CONNECTOR - 6-pin (J34)                                 | 1   |
| 18  | 401298   | MODULE - 4 pole monitoring                              | 1   |
| 20  | 420353   | MODULE - AFAM+                                          | 1   |
| 19  | 419237   | * HARNESS - expansion module                            | 1   |
|     | 401161   | KIT - RMM+ module (optional)                            | 1   |
|     | 452565   | * MODULE - RMM+ (only)                                  | 1   |
|     | 420880   | * ANTENNA                                               | 1   |
| 21  | 421609   | CONNECTOR - 8-pin (digital humidity sensor, com 2, J28) | 1   |

**298F1****TRANSFORMER GROUP**Revised  
05/22/18

Revised  
05/22/18

# TRANSFORMER GROUP



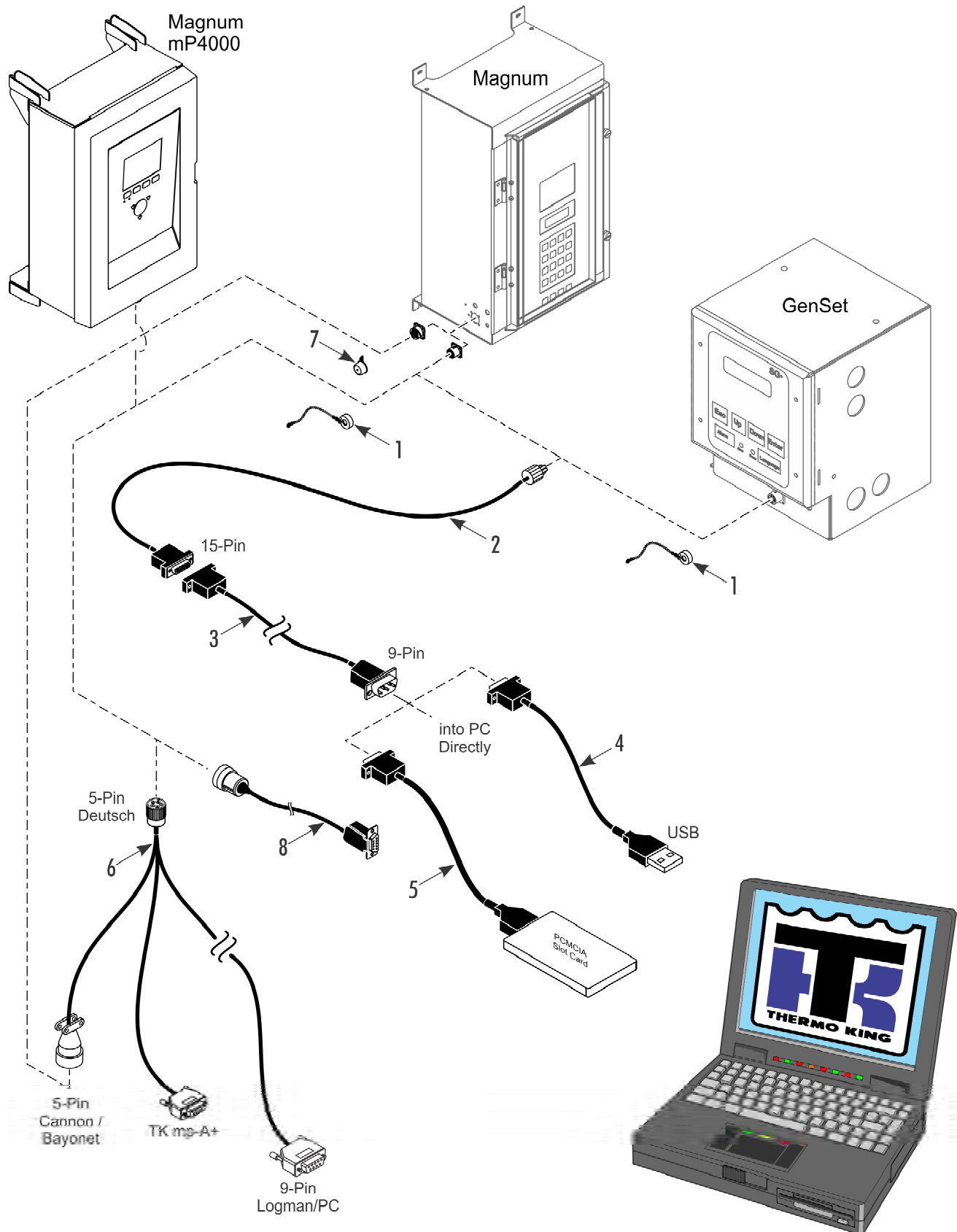
# 298F1

| REF | PART NO. | DESCRIPTION                          | QTY |
|-----|----------|--------------------------------------|-----|
| 1   | 451842   | TRANSFORMER (w/ 8-4, 20 meter cable) | 1   |
|     | 445133   | * PLUG                               | 1   |
| 2   | 411977   | * RECEPTACLE - power                 | 1   |
|     | 552995   | * SCREW - receptacle                 | 4   |
|     | 552964   | * LOCKWASHER                         | 2   |
|     | 552001   | * FLATWASHER                         | 2   |
| 3   | 555919   | * CONNECTOR - grip                   | 1   |
|     | 552636   | * NUT - connector                    | 1   |
| 4   | 422663   | * CABLE - power (8-4, 20 meter)      | 1   |
|     | 413083   | * CABLE - power (8-4, 14 meter)      | 1   |
| 5   | 445133   | * PLUG - power (60A, orange)         | 1   |

226E2



## DOWNLOAD CABLES

Revised  
08/08/18

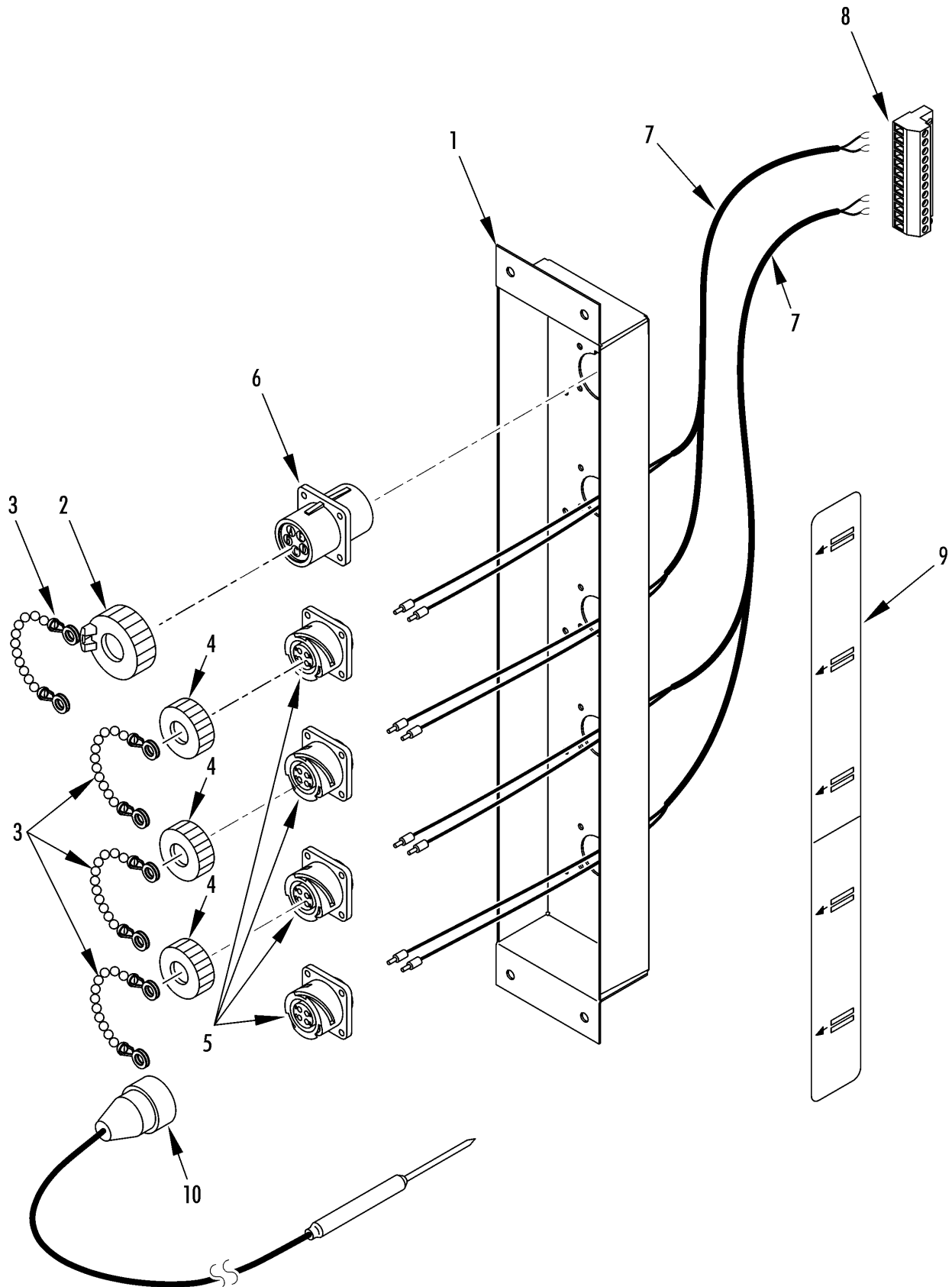
Revised  
08/08/18

# DOWNLOAD CABLES



# 226E2

| REF | PART NO. | DESCRIPTION                                                 | QTY |
|-----|----------|-------------------------------------------------------------|-----|
| 1   | 412406   | CAP - dust (5-pin Deutsch)                                  | 1   |
|     | 993685   | CHAIN - cap                                                 | 1   |
| 2   | 2040918  | CABLE - data (5-pin to 15-pin D connectors)                 | 1   |
|     | 2040974  | CABLE - data (5-pin bayonet to 15-pin D connectors)         | 1   |
|     | 2040975  | CABLE - data (5-pin threaded to 15-pin D)                   | 1   |
| 3   | 449417   | CABLE - data (15-pin D connector, 9-pin D PC, 20 ft)        | 1   |
|     | 449418   | CABLE - data (15-pin D connector, 9-pin D PC, 50 ft)        | 1   |
| 4   | 420575   | ADAPTER - serial port to USB                                | 1   |
| 5   | NSS      | ADAPTER - 9-pin D PC to PC card (see service bulletin C061) | 1   |
| 6   | 418065   | CABLE - download (5 pin to Serial)                          | 1   |
| 7   | 413588   | CAP - dust (5-pin)                                          | 1   |
| 8   | 2041040  | CABLE - download (9 pin to 5 pin)                           | 1   |

**235G4****USDA DOWNLOAD PANEL**Revised  
01/17/18

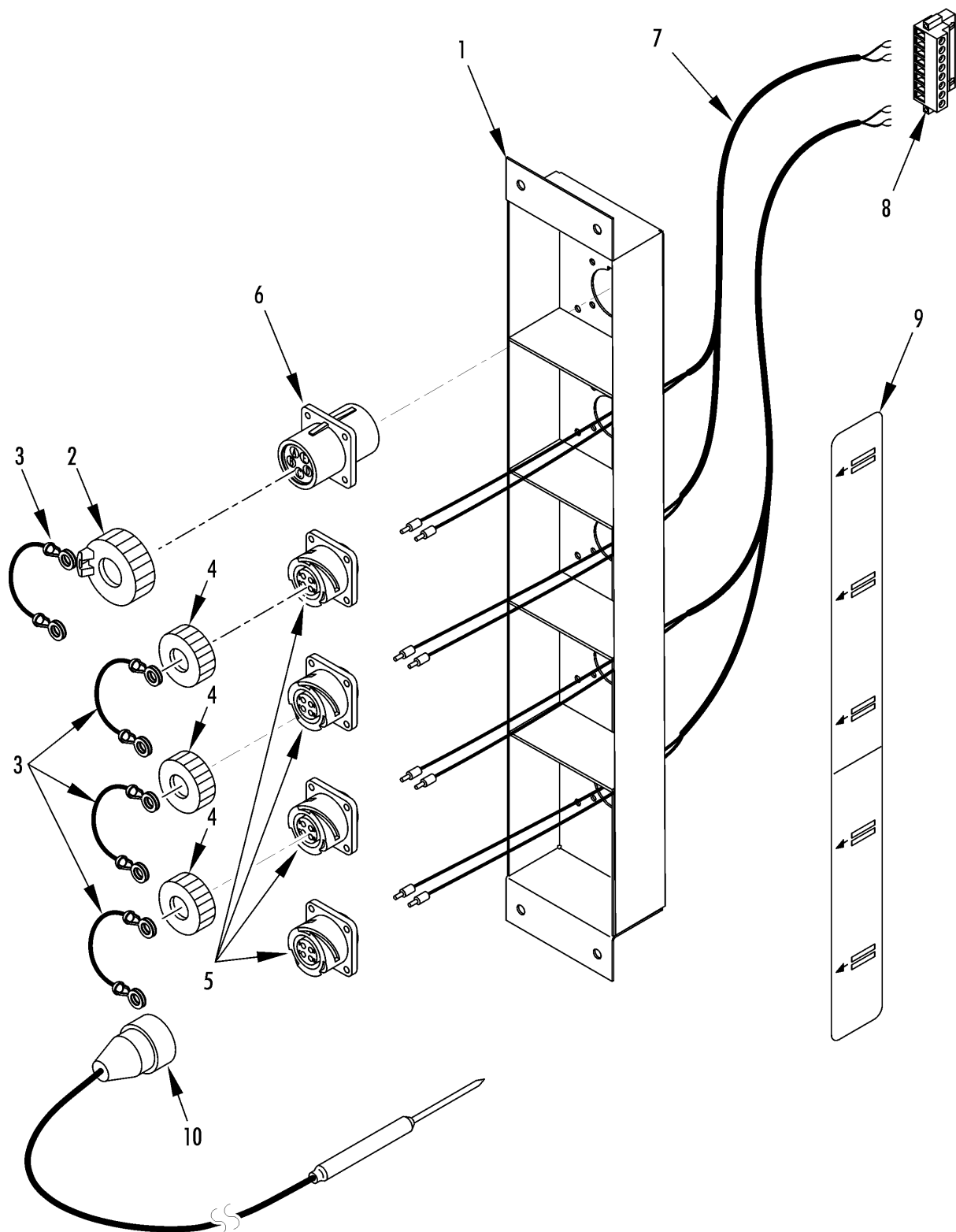
Revised  
01/17/18

# USDA DOWNLOAD PANEL



# 235G4

| REF | PART NO.  | DESCRIPTION                                                  | QTY |
|-----|-----------|--------------------------------------------------------------|-----|
| 1   | 918645    | PANEL - USDA receptacle (steel)                              | 1   |
| 2   | 412406    | CAP - dust                                                   | 1   |
|     | 920206TKA | CAP - dust (rubber)                                          | 1   |
| 3   | 993685    | CHAIN - cap                                                  | 5   |
| 4   | 410890    | CAP - dust                                                   | 4   |
|     | 559323    | RIVET - cap                                                  | 4   |
| 5   | 3042772   | RECEPTACLE (4-pin)                                           | 4   |
|     | 552270    | RIVET - receptacle                                           | 16  |
|     | 557830    | FLATWASHER                                                   | 16  |
| 6   | 412405    | CONNECTOR - receptacle (5-pin)                               | 1   |
|     | 552270    | RIVET - receptacle                                           | 4   |
|     | 557697    | FLATWASHER                                                   | 4   |
| 7   | 417183    | CABLE -NTC                                                   | 2   |
| 8   | 413585    | CONNECTOR - plug (12-pin)                                    | 1   |
| 9   | 925392    | NAMEPLATE - data download USDA                               | 1   |
| 10  | 415405    | SENSOR - thermistor (2.5 dia probe, 4-pin, 14 m PT100, USDA) | 1   |

**247C9****USDA DOWNLOAD PANEL**Revised  
08/05/19

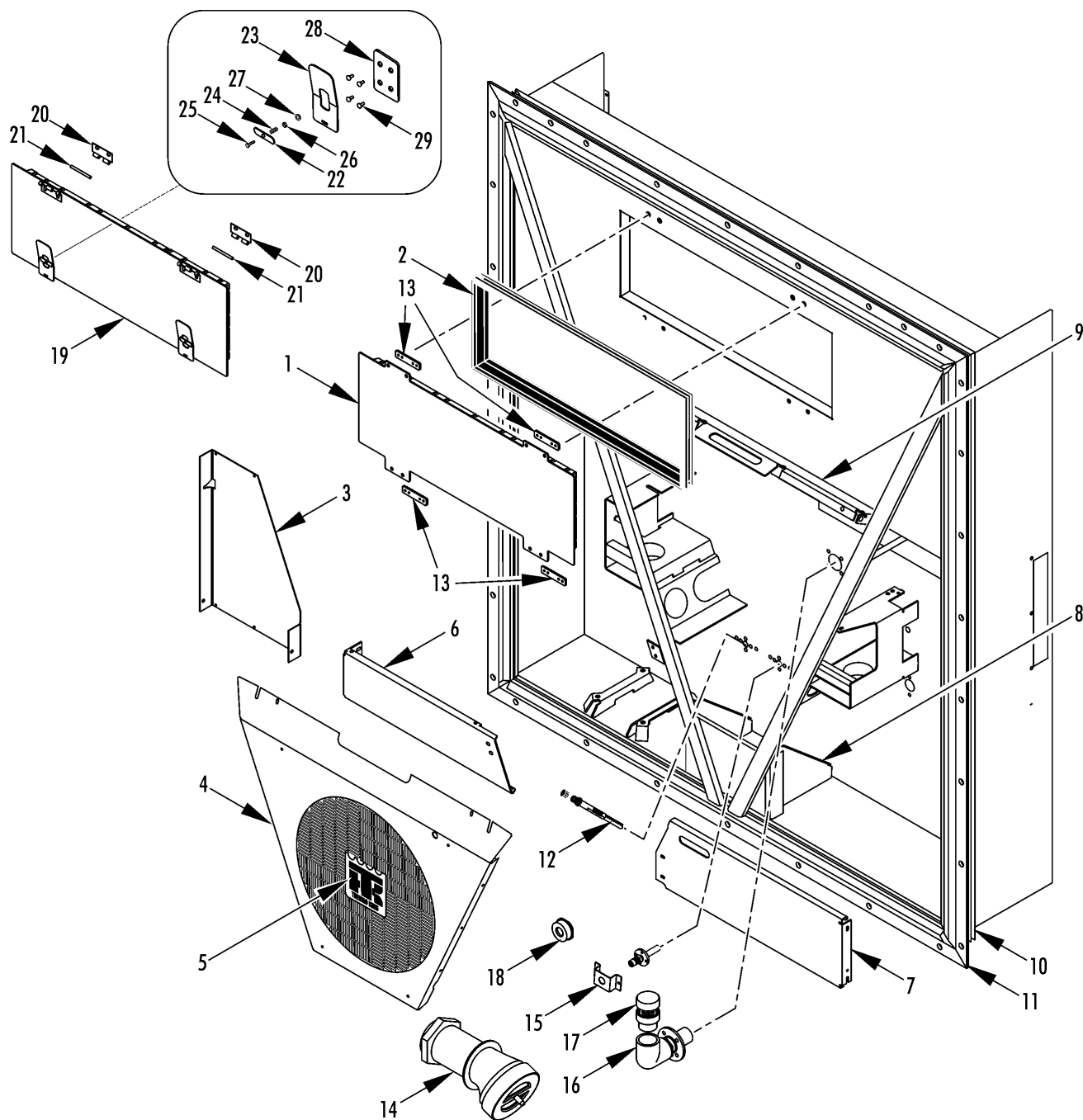
Revised  
08/05/19

# USDA DOWNLOAD PANEL



# 247C9

| REF | PART NO.  | DESCRIPTION                                 | QTY |
|-----|-----------|---------------------------------------------|-----|
|     | 420308    | PANEL ASSEMBLY - USDA receptacle (plastic)  | 1   |
| 1   | 420308    | * PANEL - USDA receptacle                   | 1   |
| 2   | 412406    | * CAP - dust                                | 1   |
| 3   | 928690TKA | * STRAP - cap                               | 5   |
| 4   | 410890    | * CAP - dust                                | 4   |
|     | 559323    | * RIVET - cap                               | 4   |
| 5   | 3042772   | * RECEPTACLE (3-pin)                        | 4   |
| 6   | 412405    | * CONNECTOR - receptacle (5-pin)            | 1   |
|     | 552270    | * RIVET - receptacle                        | 20  |
| 7   | 417183    | CABLE - NTC                                 | 2   |
| 8   | 419974    | CONNECTOR - plug (8-pin)                    | 1   |
| 9   | 925392    | NAMEPLATE - data download USDA              | 1   |
| 10  | 418188    | SENSOR - thermistor (3-pin, 14 m NTC, USDA) | 4   |

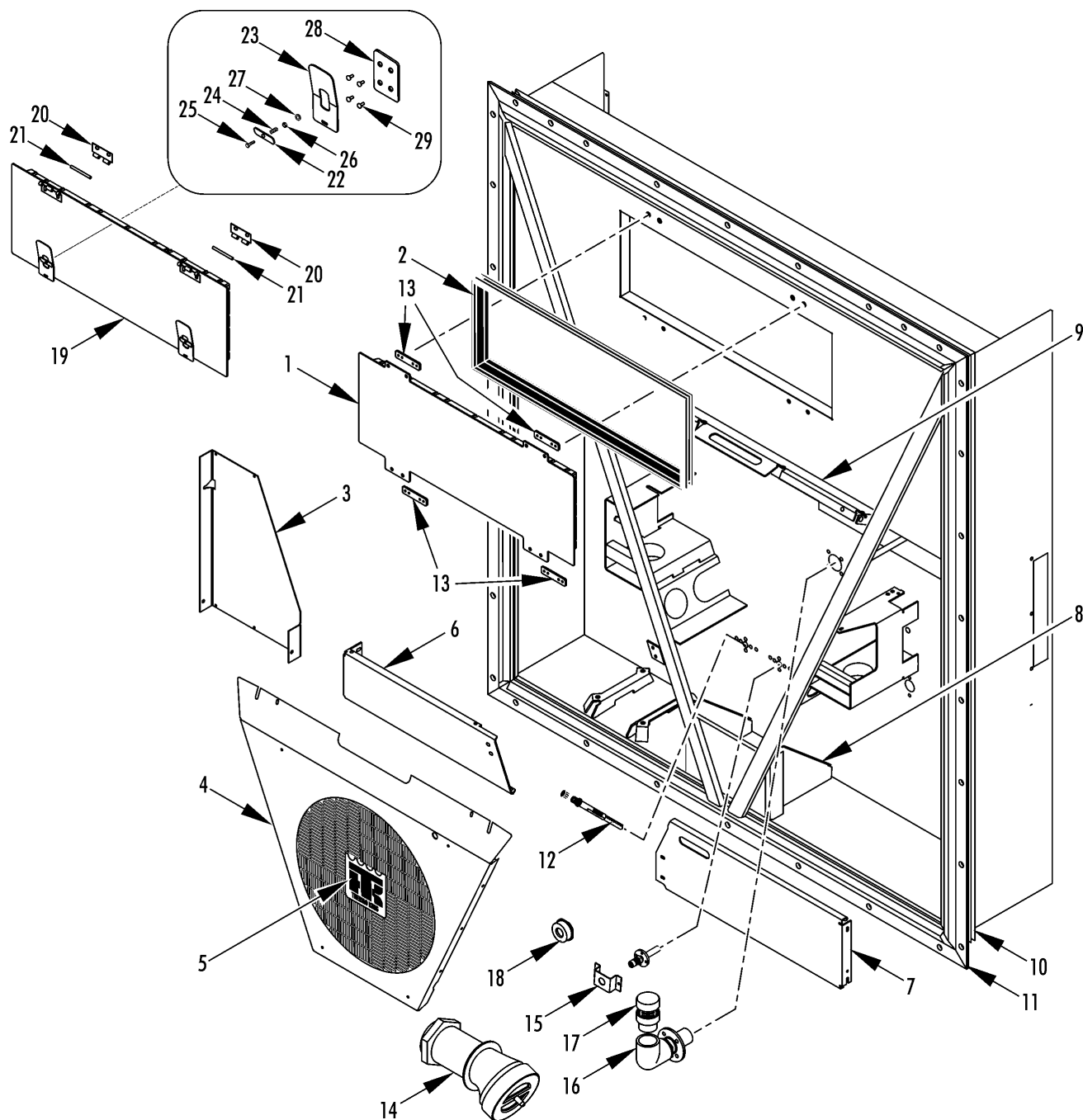
**235G5****CONDENSER COMPONENTS**Revised  
02/27/20

Revised  
02/27/20

## CONDENSER COMPONENTS

**235G5**

| REF | PART NO.  | DESCRIPTION                                         | QTY |
|-----|-----------|-----------------------------------------------------|-----|
| 1   | 987691    | DOOR - evaporator (bolt-on door)                    | 1   |
|     | 511460TKA | SCREW - door (M8, TIR seal)                         | 4   |
|     | 511430    | FLATWASHER (M8)                                     | 4   |
|     | 559541    | WASHER (M8, nylon)                                  | 4   |
|     | 511459    | SCREW - door (M6, TIR seal)                         | 4   |
|     | 511464    | FLATWASHER (M6)                                     | 4   |
|     | 559054    | WASHER (M6, nylon)                                  | 4   |
| 2   | 333969    | GASKET - evaporator door                            | 1   |
| 3   | 918728    | COVER (instead of thermometer)                      | 1   |
|     | 511467    | SCREW - cover                                       | 3   |
|     | 511444    | FLATWASHER                                          | 3   |
| 4   | 985925    | GRILLE - condenser (see 189C4)                      | 1   |
|     | 989602    | GRILLE - condenser w/ micro channel coil            | 1   |
|     | 333043    | GASKET - rubber extrusion                           | 1   |
|     | 511445    | SCREW - grille                                      | 4   |
|     | 511464    | FLATWASHER                                          | 4   |
|     | 559054    | WASHER (nylon)                                      | 4   |
| 5   | 918475    | NAMEPLATE - TK                                      | 1   |
| 6   | 918474    | PLATE - guard                                       | 1   |
|     | 557341    | SCREW - plate                                       | 3   |
|     | 511464    | FLATWASHER                                          | 6   |
|     | 559054    | WASHER - insulation                                 | 6   |
| 7   | 986560    | PLATE - cable storage (units w/o water cooled cond) | 1   |
|     | 986236    | PLATE - cable storage (units w/ water cooled cond)  | 1   |
|     | 511425    | NUT                                                 | 2   |
|     | 559054    | WASHER (nylon)                                      | 4   |
|     | 511464    | FLATWASHER                                          | 4   |
| 8   | 918108    | BRACKET - frame                                     | 1   |
|     | 511442    | SCREW - bracket                                     | 5   |
|     | 511425    | NUT                                                 | 3   |

**235G5****CONDENSER COMPONENTS**Revised  
02/27/20

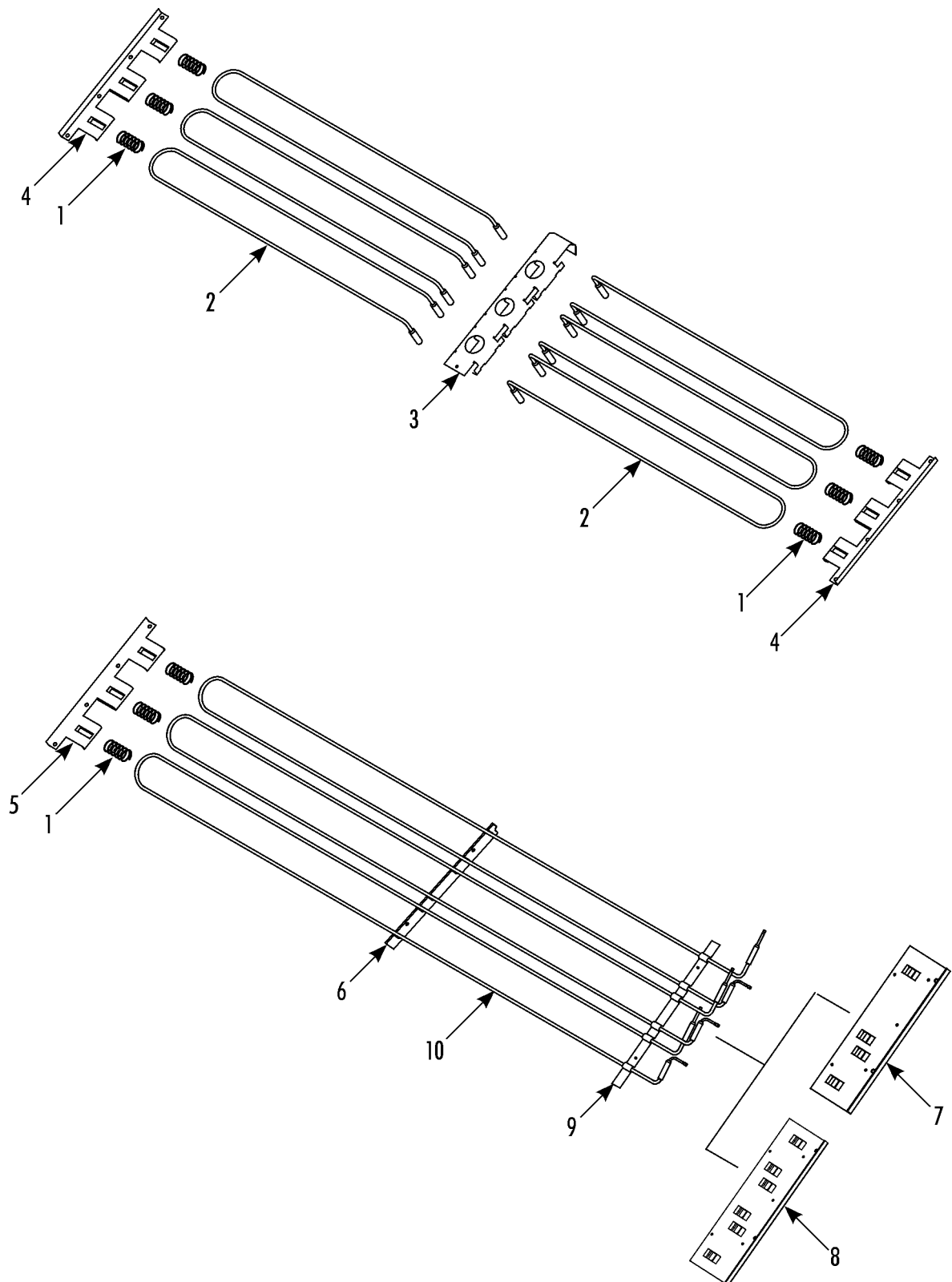
Revised  
02/27/20

## CONDENSER COMPONENTS



235G5

| REF | PART NO.  | DESCRIPTION                 | QTY |
|-----|-----------|-----------------------------|-----|
|     | 559054    | WASHER (nylon)              | 5   |
|     | 511464    | FLATWASHER                  | 5   |
| 9   | 920891    | BRACKET - safety hook       | 1   |
|     | 511443    | SCREW - bracket             | 4   |
|     | 511430    | FLATWASHER                  | 4   |
|     | 559541    | WASHER (nylon)              | 4   |
| 10  | 332983    | GASKET - unit               | 1   |
| 11  | NSS       | FRAME - condenser           | 1   |
| 12  | 919754    | * POCKET - sensor           | 2   |
| 13  | 334829    | GASKET - door               | 4   |
| 14  | 615619    | TUBE & VALVE - vacuum       | 1   |
| 15  | 919949TKA | PORT - injection (optional) | 2   |
|     | 511448    | RIVET - port                | 4   |
| 16  | 919950TKA | HOUSING - relief valve      | 1   |
|     | 511448    | RIVET - housing             | 1   |
| 17  | 919951TKA | VALVE - pressure relief     | 1   |
| 18  | 615619    | VALVE - vacuum              | 1   |
| 19  | 986518    | DOOR - evaporator           | 1   |
| 20  | 5091654   | * HINGE                     | 2   |
| 21  | 918256TKA | * PIN - hinge               | 2   |
| 22  | 919040TKA | * KNOB                      | 2   |
| 23  | 919041TKA | * LATCH - door              | 2   |
| 24  | 918199    | * SPRING                    | 2   |
| 25  | 511459    | * SCREW - door              | 2   |
| 26  | 512078    | * NUT                       | 2   |
| 27  | 510619    | * WASHER                    | 2   |
| 28  | 918134    | * INSULATOR - latch         | 2   |
| 29  | 553101    | * RIVET                     | 4   |

**259A4****EVAPORATOR HEATER GROUP**Revised  
06/27/22

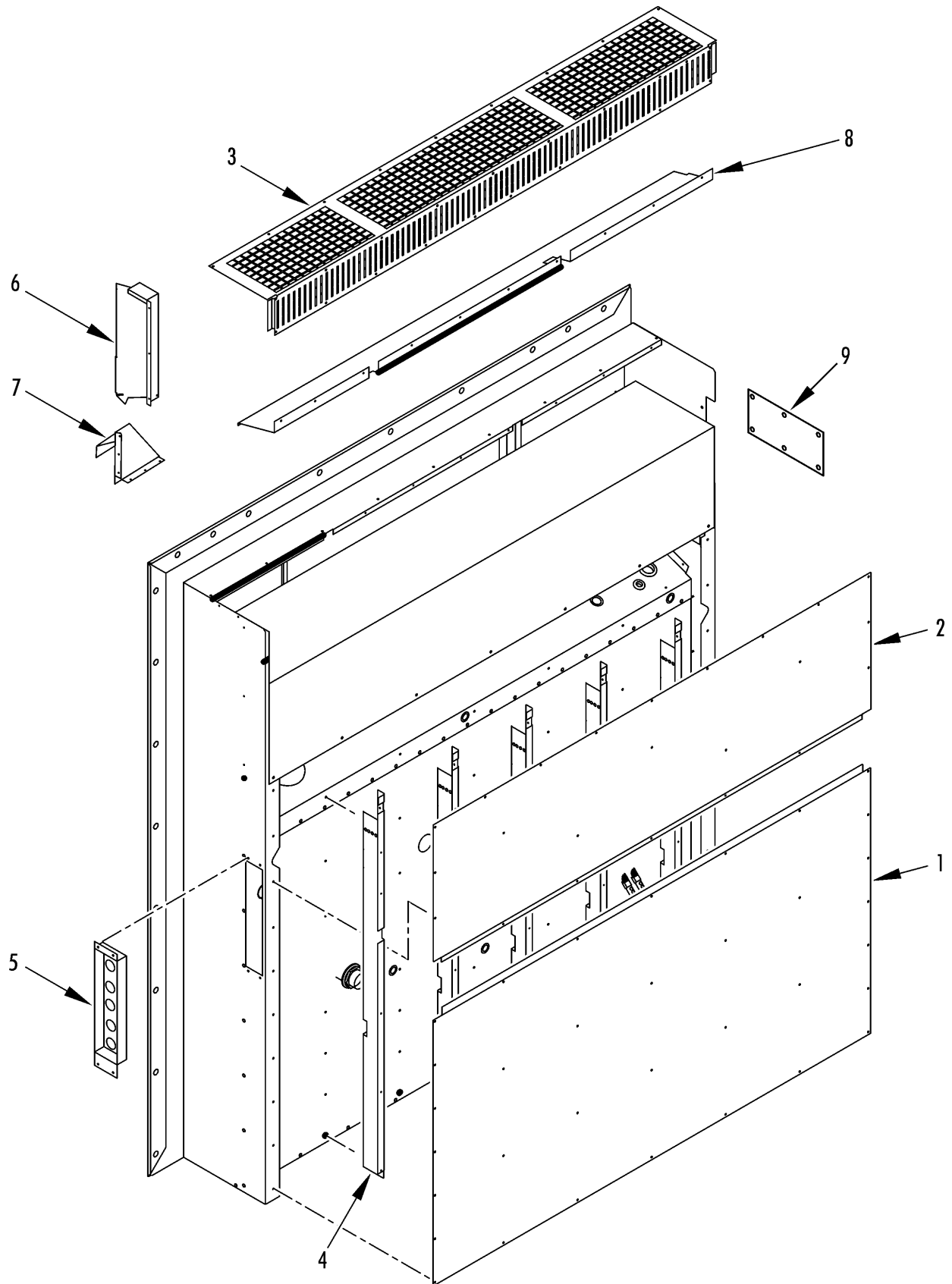
Revised  
06/27/22

# EVAPORATOR HEATER GROUP



# 259A4

| REF | PART NO.  | DESCRIPTION                                         | QTY |
|-----|-----------|-----------------------------------------------------|-----|
| 1   | 918140TKA | SPRING - heater                                     | A/R |
| 2   | 451791    | HEATER (680W, 2 meter leads)                        | 6   |
| 3   | 918142TKA | BRACKET - heater (center, 15.4/404 long, MAGNUM)    | 1   |
|     | 918634    | BRACKET - heater (center, 13.6/347 long, MAGNUM SL) | 1   |
| 4   | 918467    | BRACKET - heater (ends, 13.8/350 long, MAGNUM)      | 2   |
|     | 918629    | BRACKET - heater (ends, 12.8/326 long, MAGNUM SL)   | 2   |
|     | 513565    | SCREW - bracket                                     | A/R |
| 5   | 918629    | BRACKET - heater (spring end)                       | 1   |
| 6   | 929488    | BRACKET - heater (center)                           | 1   |
| 7   | 929489    | BRACKET - heater (lead end)                         | 1   |
| 8   | 929370    | BRACKET - heater (lead end)                         | 1   |
| 9   | 929521    | BRACKET - heater (holddown)                         | 1   |
|     | 513565    | SCREW - bracket                                     | A/R |
| 10  | 452889    | HEATER (1360W, 18 ga leads)                         | 3   |
|     | 452834    | HEATER (2000W, 16 ga leads)                         | 3   |

**235G6****EVAPORATOR PANELS**Revised  
09/16/17

Revised  
09/16/17

## EVAPORATOR PANELS



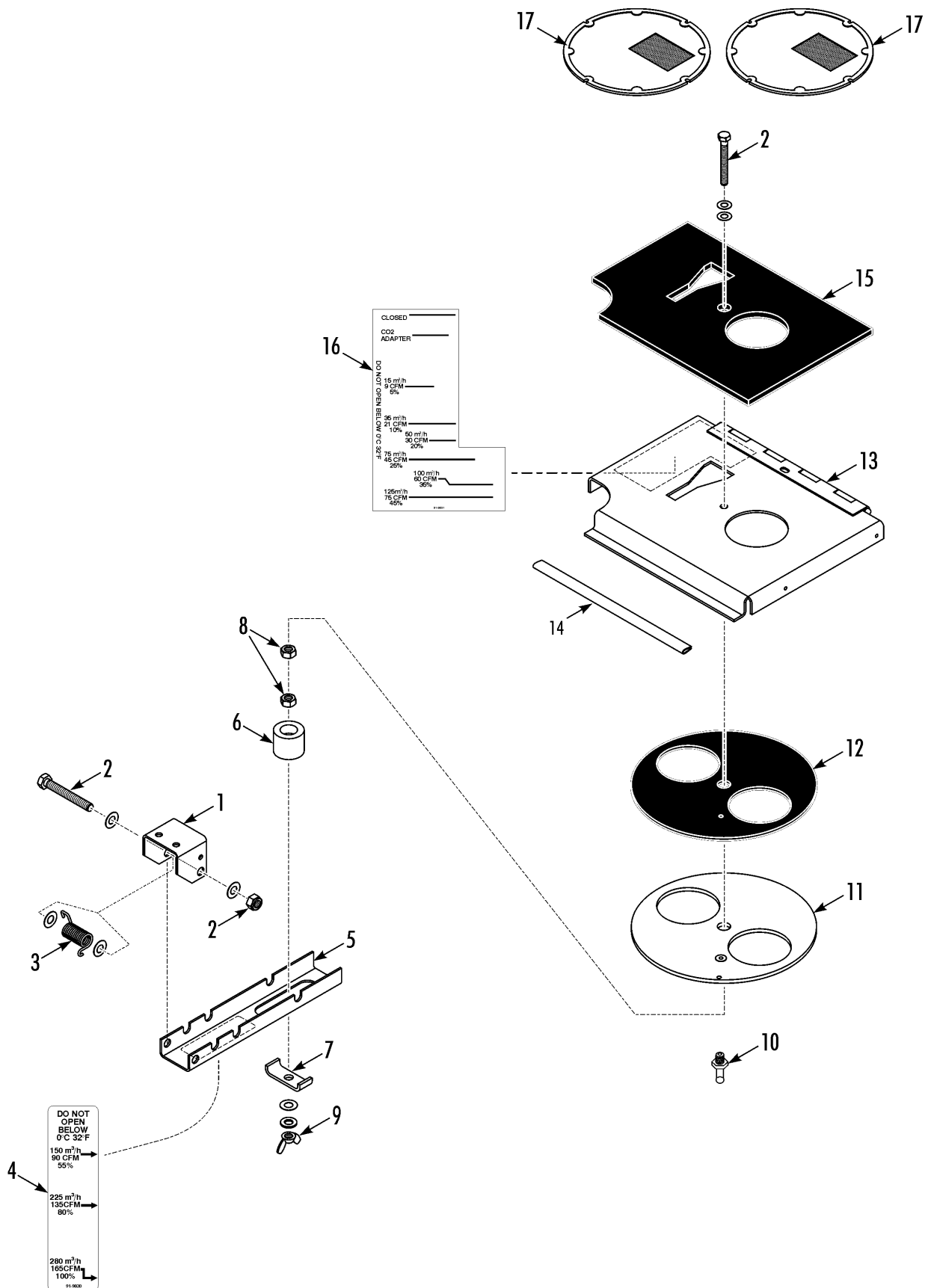
# 235G6

| REF | PART NO.  | DESCRIPTION                                  | QTY |
|-----|-----------|----------------------------------------------|-----|
| 1   | 985773    | PLATE - rear (bottom)                        | 1   |
| 2   | 985772    | PLATE - rear (top)                           | 1   |
|     | 510336    | SCREW - plate                                | 23  |
|     | 559444    | WASHER - insulating                          | 23  |
|     | 553136    | RIVET - plate                                | 29  |
| 3   | 988244    | GRILLE - evaporator                          | 1   |
|     | 553136    | RIVET - grille                               | 17  |
| 4   | 920427    | CHANNEL - Z (100 mm deep)                    | 5   |
|     | 510621    | RIVET - channel                              | 39  |
| 5   | NSS       | PANEL - USDA receptacle (see 235G4 or 247C9) | 1   |
| 6   | 927639    | CHANNEL - air                                | 1   |
| 7   | 919330TKA | INLET - fresh air                            | 1   |
| 8   | 927640    | CHANNEL - fresh air                          | 1   |
| 9   | 920722    | PLATE - cover                                | 1   |
|     | 559323    | RIVET - channels and plate                   | A/R |

# 247C7



## AIR VENT

Revised  
09/16/17

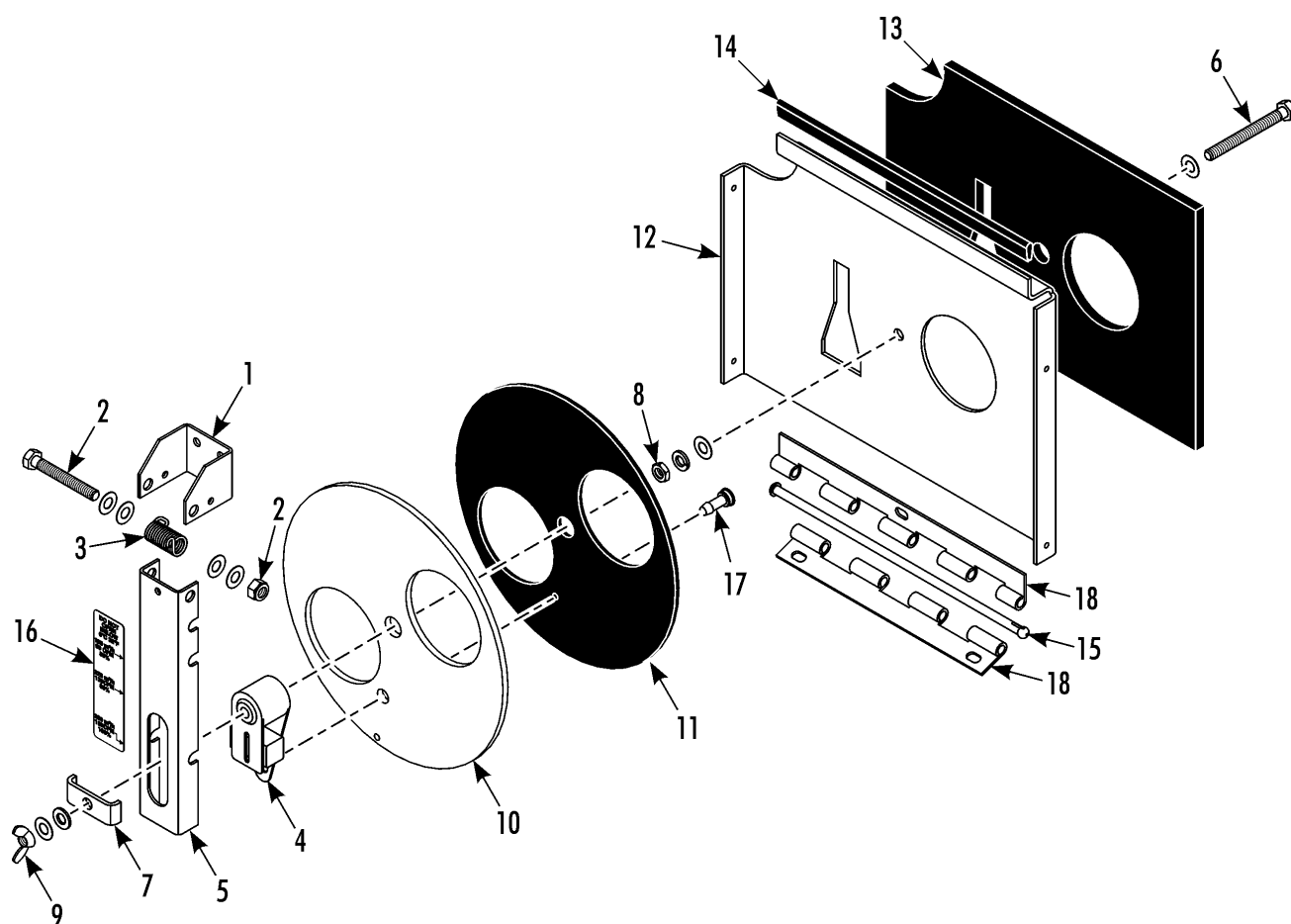
Revised  
09/16/17

AIR VENT



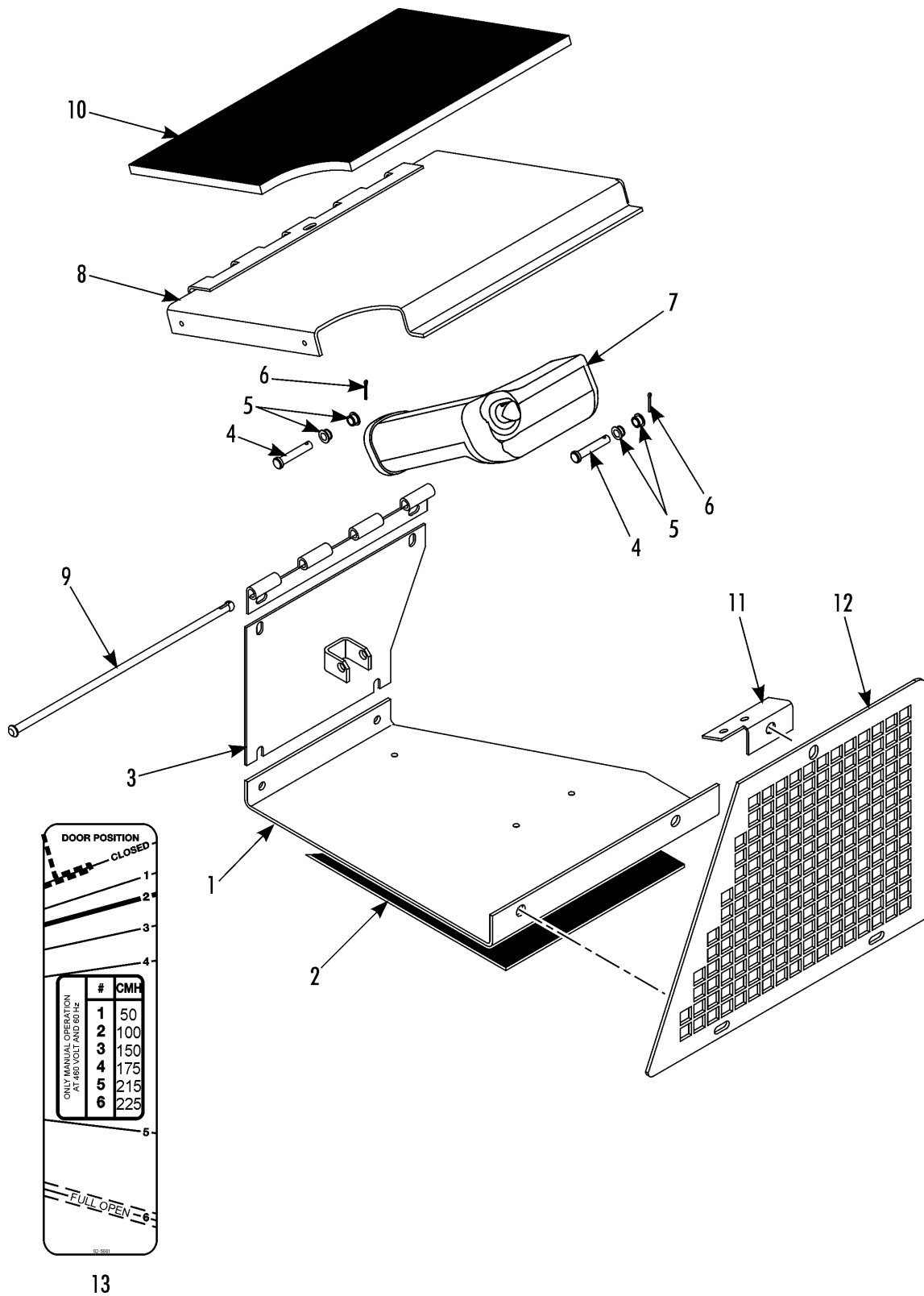
247C7

| REF | PART NO.  | DESCRIPTION                             | QTY |
|-----|-----------|-----------------------------------------|-----|
|     | 918252TKA | VENT - air (complete)                   | 1   |
| 1   | 919048    | * BRACKET - air vent handle             | 1   |
| 2   | 511426    | * SCREW - handle                        | 2   |
|     | 511427    | * NUT                                   | 1   |
|     | 559541    | * WASHER - nylon                        | 4   |
| 3   | 918100    | * SPRING                                | 1   |
| 4   | 920440    | * NAMEPLATE - Do Not Open Below 0 C     | 1   |
| 5   | 918102    | * HANDLE - air vent                     | 1   |
| 6   | 772467    | * BEARING - slide                       | 1   |
| 7   | 918104    | * BRACKET - air vent handle             | 1   |
| 8   | 511428    | * NUT                                   | 2   |
|     | 511429    | * LOCKWASHER                            | 1   |
| 9   | 511431TKA | * NUT - wing                            | 1   |
| 10  | 559168    | * FITTING - barb                        | 1   |
|     | 558933    | * WASHER - nylon                        | 1   |
| 11  | 918103    | * DISK - air vent                       | 1   |
| 12  | 334255    | * GASKET - air vent                     | 1   |
| 13  | 918105    | * PLATE - air vent (complete)           | 1   |
|     | 920411    | ** HINGE - air vent                     | 1   |
|     | 929524    | ** PIN - hinge (w/ snap)                | 1   |
| 14  | 918663TKA | ** PROTECTOR - edge                     | 1   |
| 15  | 332944    | ** GASKET - air vent                    | 1   |
|     | 511442    | * SCREW - plate to frame                | 2   |
|     | 511441    | * WASHER                                | 2   |
|     | 510619    | * WASHER                                | 2   |
| 16  | 919831TKA | * NAMEPLATE - Air Vent Door             | 1   |
| 17  | 930274    | SCREEN - Med fly (3 x 3 mm opening)     | 2   |
|     | 926863    | SCREEN - Med fly (1.3 x 1.3 mm opening) | 2   |
|     | 512308    | SCREW - screen                          | 8   |

**191B6****AIR VENT (40 FT CONTAINERS)**Revised  
09/16/17

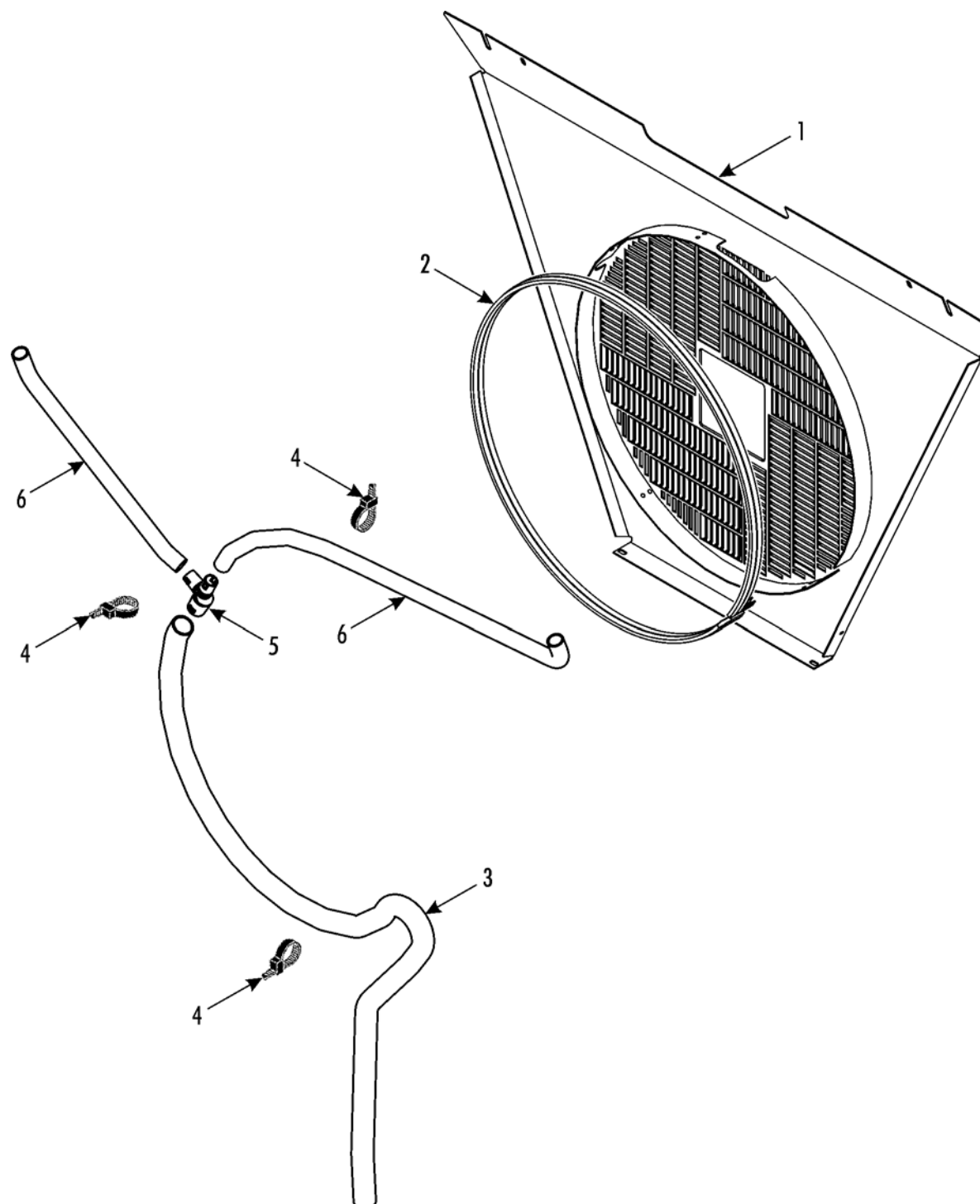
Revised  
09/16/17**AIR VENT (40 FT CONTAINERS)****191B6**

| REF | PART NO.  | DESCRIPTION                       | QTY |
|-----|-----------|-----------------------------------|-----|
| 1   | 919048    | BRACKET - air vent handle         | 1   |
| 2   | 559442    | SCREW - handle                    | 1   |
|     | 559541    | WASHER - insulation               | 4   |
|     | 511427    | NUT                               | 1   |
| 3   | 918100    | SPRING                            | 1   |
| 4   | 415666    | DEVICE - door position sensor     | 1   |
| 5   | 918102    | HANDLE - air vent                 | 1   |
| 6   | 511458    | SCREW - disk                      | 1   |
| 7   | 918104    | BRACKET - handle                  | 1   |
| 8   | 511211TKA | NUT                               | 2   |
|     | 511429    | LOCKWASHER                        | 1   |
|     | 511430    | FLATWASHER                        | 1   |
|     | 559541    | WASHER - insulating               | 3   |
| 9   | 511431TKA | NUT - wing                        | 1   |
| 10  | 918103    | DISK - air vent                   | 1   |
| 11  | 334255    | GASKET - air vent                 | 1   |
| 12  | 5090753   | PLATE - air vent                  | 1   |
|     | 557172    | SCREW - plate                     | 4   |
|     | 557075    | FLATWASHER                        | 4   |
|     | 558877    | WASHER (nylon)                    | 4   |
| 13  | 332944    | GASKET - air vent                 | 1   |
| 14  | 918663TKA | PROTECTOR - edge                  | 1   |
| 15  | 929524    | PIN - hinge                       | 1   |
| 16  | 920440    | NAMEPLATE - Do Not Open Below 0 C | 1   |
| 17  | 559168    | ADAPTER - hose                    | 1   |
| 18  | 920411    | HINGE - air vent                  | 1   |
|     | 556994    | SCREW - vent hinge                | 8   |
|     | 557075    | FLATWASHER                        | 4   |
|     | 559541    | WASHER - insulator (8.4 id)       | 6   |
|     | 557339    | NUT                               | 6   |

**259C3****AIR VENT (AFAM + mP-4000)**Revised  
12/06/22

Revised  
12/06/22**AIR VENT (AFAM + mP-4000)****259C3**

| REF | PART NO.  | DESCRIPTION                | QTY |
|-----|-----------|----------------------------|-----|
| 1   | 929522    | BRACKET - air vent         | 1   |
|     | 557035    | SCREW - bracket            | 2   |
|     | 510619    | WASHER - insulator         | 2   |
| 2   | 335445    | GASKET                     | 1   |
| 3   | 929523    | BRACKET - rear             | 1   |
|     | 511445    | SCREW - bracket            | 2   |
|     | 511464    | FLATWASHER                 | 2   |
|     | 559054    | WASHER - insulator         | 2   |
| 4   | 511496    | PIN - clevis               | 2   |
| 5   | 772870    | BEARING                    | 4   |
| 6   | 552550    | PIN - cotter               | 2   |
| 7   | 417238TKA | ACTUATOR                   | 1   |
| 8   | 925687    | DOOR - AFAM                | 1   |
| 9   | 929524    | PIN - hinge                | 1   |
| 10  | 333265    | GASKET - air vent          | 1   |
| 11  | 920416    | BRACKET - grille           | 1   |
|     | 511445    | SCREW - bracket            | 2   |
|     | 559054    | WASHER - insulator         | 2   |
|     | 511464    | FLATWASHER                 | 2   |
| 12  | 929525    | GRILLE - fresh air         | 1   |
|     | 511422TKA | SCREW - grille             | 3   |
|     | 510619    | WASHER - insulator         | 3   |
| 13  | 925661    | LABEL - AFAM door position | 1   |

**189C4****DEFROST DRAIN**Revised  
09/25/17

Revised  
09/25/17

## DEFROST DRAIN



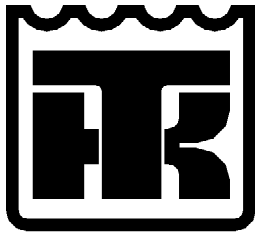
# 189C4

| REF | PART NO. | DESCRIPTION                              | QTY |
|-----|----------|------------------------------------------|-----|
| 1   | 985925   | GRILLE - condenser                       | 1   |
|     | 511445   | SCREW - grille                           | 4   |
|     | 511464   | FLATWASHER                               | 4   |
|     | 559054   | WASHER (nylon)                           | 4   |
| 2   | 333043   | GASKET - grille (extrusion)              | 1   |
| 3   | 119734   | HOSE - drain (29 mm id, cut as required) | A/R |
| 4   | 552330   | BANDWRAP                                 | A/R |
| 5   | 119735   | TEE - drain hose                         | 1   |
| 6   | 119576   | HOSE - drain (21 mm id, cut as required) | A/R |

180E6



NAMEPLATES

Revised  
09/16/17

1

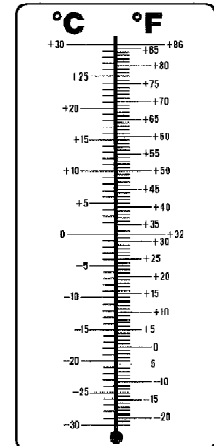


2

THERMO KING

3

**WARNING**  
Hot Components  
Compressor discharge  
may be hot!



7

**R-404A**

COMPRESSOR FILLED WITH ESTER OIL  
PART No: 203-433

4

**WARNING**  
FANS START  
AUTOMATICALLY



5

**WARNING !**  
TURN POWER OFF  
BEFORE DISCONNECTING  
DATALOGGER OR  
CONTROLLER.

8

DATA  
DOWNLOAD  
PORT



**WARNING**

CONSULT MAINTENANCE MANUAL FOR  
PRECAUTIONS BEFORE WELDING  
ON CONTAINER OR REFRIGERATION UNIT.

1. Disconnect all power to the refrigeration unit.
2. Disconnect all quick-disconnect wire harnesses.
3. Switch all of the electrical circuit breakers in the control box to the OFF position.
4. Weld unit and/or container per normal welding procedures. Keep ground return electrode as close to the area to be welded as practical. This will reduce the likelihood of stray welding currents passing through any electrical or electronic circuits.
5. When the weld operation is completed, the unit power cables, wiring and circuit breakers must be restored to their normal condition.

10

**TRANSFRESH  
DATA  
CONNECTOR  
A 3**

11

**TRANSFRESH  
SCRUBBER  
CONNECTOR  
A 5**

12

**WARNING** Make sure container is vented before entering, may contain low oxygen condition.

**WARNING** Vergewissern Sie sich, dass der Container vor dem Eintreten belüftet ist, um Sauerstoffmangel auszuschließen.

**ADVERTENCIA** Confirme que el contenedor está ventilado antes de entrar. Evite encontrarse en condiciones de poco oxígeno.

**주의** 물리기전에 전벽(이)내에 호흡이 되어있는지 확인하십시오. 저산소 상태가 발생할 수 있습니다.

**注意** 絶無必在投入之前必ず換気を行ってください。可能存在低酸素状態。

**警告** 入る前にコンテナに換気したかどうか確認して下さい。低酸素状態になるかもしれません。

14

**WARNING**  
Do Not Operate Scroll  
Compressor with Service or  
Receiver Tank Valves Closed.  
Compressor Damage Will  
Occur.

13

USDA #1/  
SPARE 1

USDA #2/  
SPARE 2

USDA #3/  
SPARE 3

PULP/  
SPARE 5

9

**DO NOT  
OPEN  
BELOW  
0°C 32°F**

150 m<sup>3</sup>/h  
90 CFM  
55%

225 m<sup>3</sup>/h  
135 CFM  
80%

280 m<sup>3</sup>/h  
165 CFM  
100%

15

CLOSED  
CO2  
ADAPTER

DO NOT OPEN BELOW 0°C 32°F

15 m<sup>3</sup>/h  
9 CFM  
5%

35 m<sup>3</sup>/h  
21 CFM  
10%

50 m<sup>3</sup>/h  
30 CFM  
20%

75 m<sup>3</sup>/h  
45 CFM  
25%

100 m<sup>3</sup>/h  
60 CFM  
35%

125 m<sup>3</sup>/h  
75 CFM  
45%

16

DOOR POSITION

CLOSED

1

2

3

4

5

6

| # | CMH | CFM |
|---|-----|-----|
| 1 | 35  | 21  |
| 2 | 75  | 45  |
| 3 | 125 | 75  |
| 4 | 150 | 90  |
| 5 | 225 | 135 |
| 6 | 280 | 165 |

17

**WARNING**  
HOT COMPONENTS  
Compressor Discharge may be hot.  
Do not operate compressor  
with service valves closed.  
Compressor damage will occur.

18



19

DOOR POSITION  
CLOSED

1

2

3

4

5

6

ONLY MANUAL OPERATION  
AT 480 VOLT AND 60-Hz

# CMH

1 50

2 100

3 150

4 175

5 215

6 225

FULL OPEN

20

SET FRESH AIR ONLY BY USING THE CONTROL BOX DISPLAY  
UNIT EQUIPPED WITH ELECTRONIC FRESH AIR RECORDER

21



22



23

Revised  
09/16/17

## NAMEPLATES



180E6

| REF | PART NO.  | DESCRIPTION                            | QTY |
|-----|-----------|----------------------------------------|-----|
| 1   | 918475    | NAMEPLATE - TK (crest)                 | 1   |
| 2   | 924305    | NAMEPLATE - IR logo (red/ black)       | 1   |
| 3   | 919778    | NAMEPLATE - Thermo King                | 1   |
| 4   | 918154    | NAMEPLATE - R404A                      | 1   |
| 5   | 918694    | NAMEPLATE - Warning, Fan Start         | 1   |
| 6   | 918695    | NAMEPLATE - Warning, Hot Components    | 1   |
| 7   | 915635    | NAMEPLATE - Temperature Conversion     | 1   |
| 8   | 919382TKA | NAMEPLATE - Warning                    | 1   |
| 9   | 920243TKA | NAMEPLATE - USDA Connections           | 1   |
|     | 925392    | NAMEPLATE - USDA Connections           | 1   |
| 10  | 921218    | NAMEPLATE - Weld                       | 1   |
| 11  | 918697    | NAMEPLATE - Data A3                    | 1   |
| 12  | 918696    | NAMEPLATE - Scrubber A5                | 1   |
| 13  | 919596    | NAMEPLATE - Warning, Scroll Compressor | 1   |
| 14  | 922585    | NAMEPLATE - Warning, Low Oxygen        | 1   |
| 15  | 920440    | NAMEPLATE - Air Vent Handle            | 1   |
| 16  | 919831TKA | NAMEPLATE - Air Vent Door              | 1   |
| 17  | 922586    | NAMEPLATE - AFAM Door Position         | 1   |
| 18  | 924724    | NAMEPLATE - Warning English            | 1   |
| 19  | 934515    | NAMEPLATE - TAL                        | 1   |
| 20  | 925661    | NAMEPLATE - AFAM Door Position         | 1   |
| 21  | 934592    | NAMEPLATE - Air Vent                   | 1   |
| 22  | 926814    | NAMEPLATE - AFAM +                     | 1   |
| 23  | 934593    | NAMEPLATE - SeaCube                    | 1   |

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| 2041040   | 53                 | 414473    | 19, 23, 31     | 451908    | 39                        |
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| 333265    | 71                 | 419237    | 49             | 510619    | 61, 67, 71                |
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