Part No.	Reference No.	Quantity	Description
75009901	SEC 01		MODEL NUMBER DESCRIPTION DIGIT 1-17
75009902	SEC 01		MODEL NUMBER DESCRIPTION DIGIT 18-31
75009005	SEC 02		GENERAL ILLUSTRATION
75010913	SEC 03		COMPRESSOR MOUNTING HARDWARE
75011760	SEC 03		COMPRESSOR POWER HARNESSES
75009908	SEC 03		COMPRESSORS AND CRANKCASE HEATERS
75009944	SEC 03		REFRIGERATION CIRCUIT CONTROLS
75009909	SEC 04		FILTERS AND DRAIN PANS
75011627	SEC 05		HEAT EXCHANGER ASSEMBLY
75011622	SEC 05		HEAT EXCHANGER REPLACEMENT
75009030	SEC 07		BURNER PLATE ASSEMBLY
75009012	SEC 08		OUTDOOR FAN ASSEMBLY
75009952	SEC 09		INDOOR FAN ASSEMBLY
75009910	SEC 10		OUTDOOR CONDENSOR COIL
75009958	SEC 25		UNIT SENSING
75012751	SEC 40		GAS HEAT PANELS
75012744	SEC 41		AIR FLOW PANELS
75012749	SEC 43		COMM PANELS
75012144	SEC 45		OPTIONAL FIELD INSTALLED ACCESSORIES

Model Number Description

75009901 REV E

Voyager 2
Digits 1–17

Digit 1 Unit Type
Y= Gas/Electric
T= Cooling
W= Heat pump

Digit 2 Efficiency
S= Standard
H= High
Z= Ultra High

Digit 3 Airflow
D= Downflow
H= Horizontal

Digit 4,5,6 Unit Tonnage
150= 12.5 Ton
155= 15 Ton 50 hz
175= 17.5 Ton 50 hz
180= 15 Ton
200= 20 Ton 50 hz
210= 17.5 Ton
240= 20 Ton
250= 25 Ton 50 hz
300= 25 Ton

Digit 7 Major Design Sequence
E= R-410a
F= Micro-channel
G= ASHRAE 90.1

Digit 8 Voltage Selection
3= 230/60/3
4= 460/60/3
D= 380-415/50/3
K= 380/60/3
T= 200/50/3
W= 575/60/3

Digit 9 Unit Controls
R= Reliatel

Digit 10 Heating Capacity
0= No Heat
G= 18 kW electric heat
K= 27 kW electric heat
N= 36 kW electric heat
P= 54 kW electric heat
R= 72 kW electric heat
H= Gas Heat - High
L= Gas Heat - Low
V= Gas Heat - Modulating
X= Gas Heat - SS Ht Ex - Low
Z= Gas Heat - SS Ht Ex - High

Digit 11 Minor Design Sequence
A= Minor Des. Seq.

Digit 12,13 Service Sequence

Digit 14 Fresh Air Selection
0= No Fresh Air
A= Manual damper
D= Econ Dry Bulb w/ barometric relief
F= Econ Reference Enthaply with barometric relief
H= Econ Comparative Enthaply with barometric relief
K= Low Leak Econ Dry Bulb with barometric relief
M= Low Leak Econ Reference Enthalpy with barometric relief
P= Low Leak Econ Comparative Enthalpy with barometric relief

Digit 15 Supply Fan/Drive Type/Motor
0= Standard Drive
1= Oversized Motor
3= High Efficiency Belt Drive
6= Single Zone Variable Air Volume Standard
7= Two Speed Standard
8= Single Zone Variable Air Volume Oversized
9= Two Speed Oversized
A= Single Zone Variable Air Volume Standard with Shaft Ground Ring
B= Two Speed Standard w/ Shaft Ground Ring
C= Single Zone Variable Air Volume Oversized with Shaft Ground Ring
D= Two Speed Oversized w/ Shaft Ground Ring
E= VAV Supply Air Temperature Control - Standard
F= VAV Supply Air Temperature Control - Oversized
G= VAV Supply Air Temperature Control - Standard w/ Shaft Ground Ring
H= VAV Supply Air Temperature Control - Oversized w/ Shaft Ground Ring

Digit 16 Hinged Service Access / Filters
0= Standard panels/standard filters
A= Hinged access/standard filters
B= Standard panels/2" inch pleated filters
C= Hinged access/2" inch pleated filters
D= Standard panels/MERV 13 filters
E= Hinged access/MERV 13 filters

Digit 17 Condenser Coil Protection
0= Standard coil
1= Standard coil with hail guard
2= Epoxy Coated Condenser Coil
3= Epoxy Coated Condenser Coil and Hail Guard
4= ECoated Coil
5= ECoated Coil with Hail Guard

Model Number Description

75009902 REV E

Voyager 2
Digits 18–31

Digit 18 Through The Base Provisions
0= No through the base provisions
A= Through the base electric
B= Through the base gas
C= Through the base electric and gas
D= Through the base access

Digit 19 Disconnect Switch/ Circuit Breaker
0= No Disconnect,circuit break, phase monitor
1= Unit Mount Non-Fused and Disconnect Switch
2= Unit Mount Circuit Breaker
3= Phase Monitor
4= Phase Monitor and Disconnect
5= Phase Monitor and Circuit Breaker

Digit 20 Convenience Outlet Option
0= Without Convenience Outlet
A= Convenience Outlet Unpowered (FIELD)
B= Convenience Outlet Powered (FACTORY)

Digit 21 Communications Options
0= Without Communications Options
1= Trane Communications Interface
2= Lontalk Communications Interface
3= Novar 2024 Controls Interface
4= Novar 3051 Controls Interface
5= Novar 3051 Communications Interface with Demand Control Ventilation
6= Building Automation Control Network Communications Interface
7= Wireless Building Automation Control Network Communications Interface

Digit 22 Refrigeration System Option
0= Standard refrigeration system
A= Thermal Expansion Valve (TXV)
B= Dehumidification (hot gas reheat)

Digit 23 Refrigeration Controls
0= Without Refrigeration Controls
1= Frostat
2= Crankcase Heater
3= Frostat and Crankcase Heater
4= High Pressure Control
5= High Pressure Control and Frostat
6= High Pressure and Crankcase Heater
7= High Pressure, Crankcase Heater, Frostat

Digit 24 Smoke Detector
0= Without Smoke Detector
A= Return Air Smoke Detector
B= Supply Air Smoke Detector
C= Return/Supply Air Smoke Detector

Digit 25 System Monitoring Controls
0= No monitoring controls
1= Clogged filter switch
2= Fan failure switch
3= Discharge air sensing
4= Clogged filter switch and fan failure
5= Clogged switch and discharge air sensing
6= Fan failure switch and discharge air sensing
7= Clogged filter switch, fan failure switch and discharge air sensing
8= NOVAR Return Air Sensor (Novar 2024)
9= NOVAR Zone Temp Sensor (Novar 3051)
A= Condensate Overflow Switch
B= Condensate Overflow Switch and Clogged filter switch
C= Condensate Overflow Switch and Fan Fail
D= Condensate Overflow Switch and Discharge Air
E= Condensate Overflow Switch and Clogged filter switch, Fan Fail
F= Condensate Overflow Switch and Clogged filter switch, Discharge Air
G= Condensate Overflow Switch and Fan Fail, Discharge Air
H= Condensate Overflow Switch, Clogged Filter, Fan Fail, Discharge Air

Digit 26 System Monitoring Controls
0= No monitoring controls
A= Demand Control Ventilation
B= Fault Detection Device
C= Demand Control Ventilation and Fault Detection Device

Digit 27 Stainless Steel Drain pan
0= No stainless Drain pan
1= Stainless Steel Drain pan

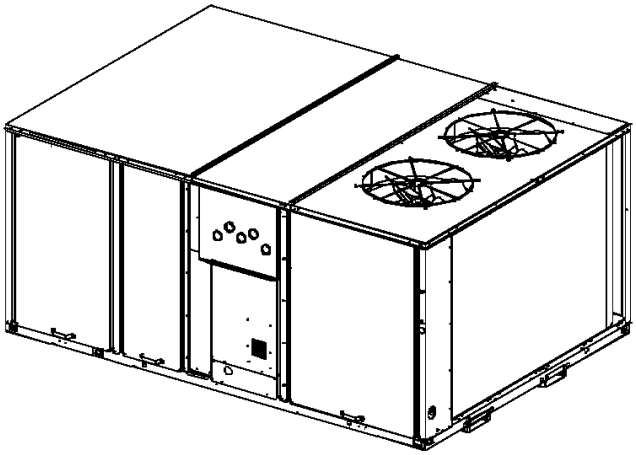
Digit 28 Short Circuit Current Rating (SCCR)
0= Standard
A= 65kA

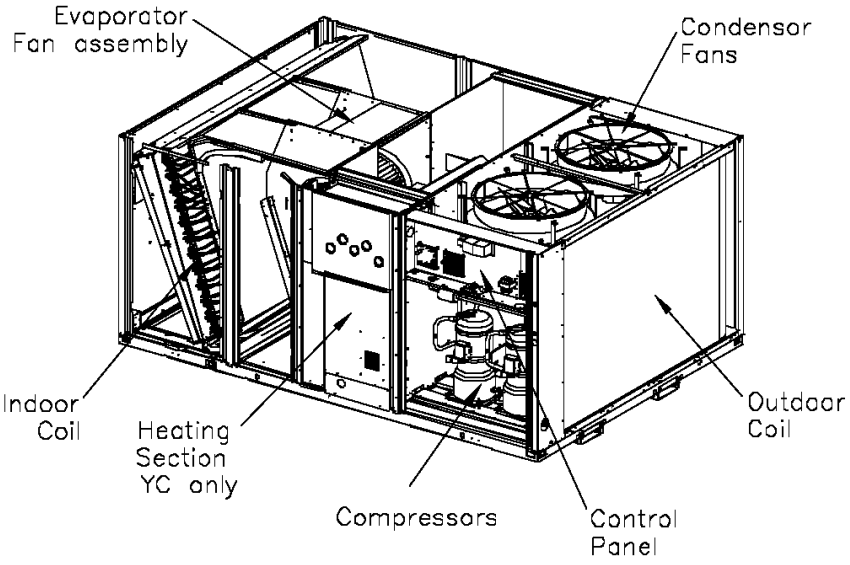
Digit 29,30 Reserved For Future
0= Standard

Digit 31 Unit Controls
0= Standard

Voyager Rooftop
General Illustration
YCD240 shown

75009005 REV A

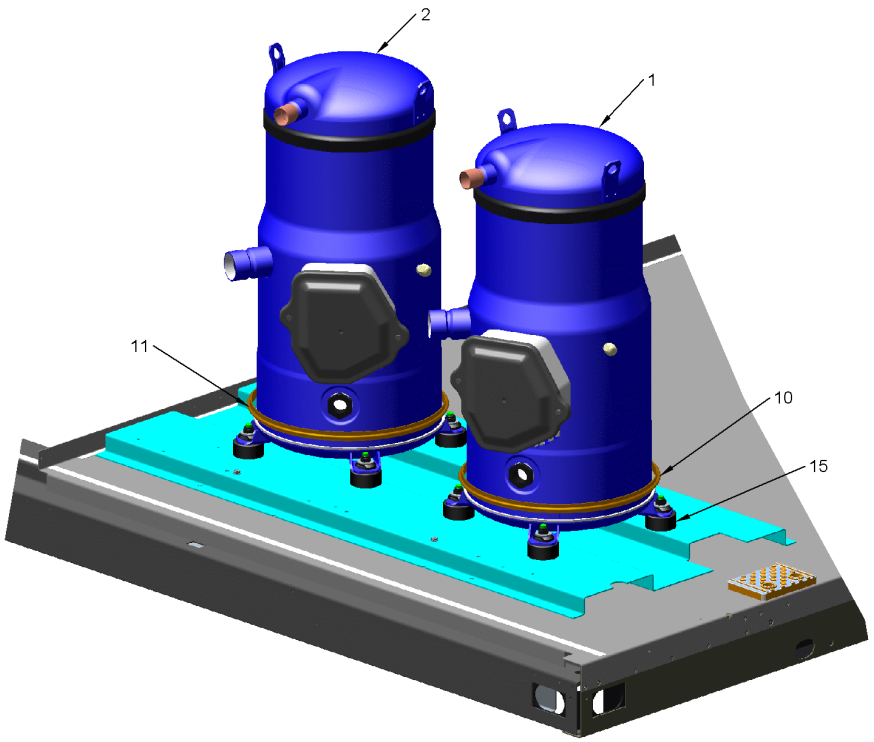


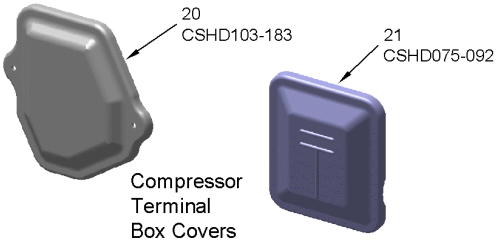


COMPRESSORS
AND CRANKCASE HEATERS

75009908

REV B





Compressor Terminal Box Covers

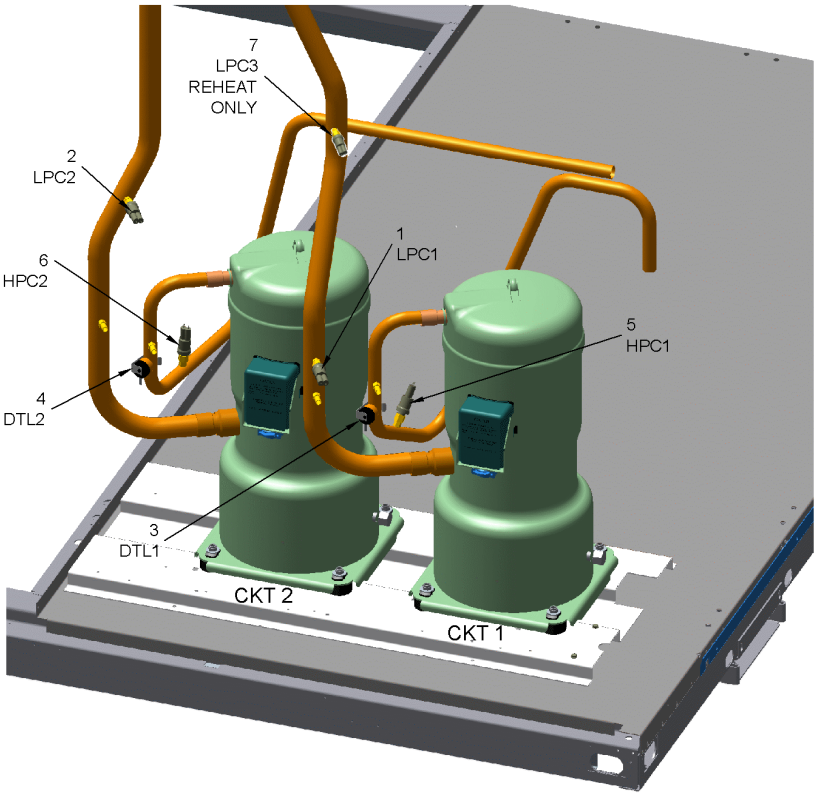
This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
HTR15178	10	1	HEATER; CRANKCASE, 90 WATTS, 575 VOLTS
HTR15358	11	1	HEATER; CRANKCASE, 70W 575V 6.63 DIA
GRM00888	15	8	GROMMET; ISOLATOR, COMPRESSOR, .438 ID X .160 GRV, .750 DIA X 1.625 OD, BLACK NEOPRENE RUBBER
COV04174	20	0	COVER; TERMINAL BOX, R410A, LIQUID TIGHT
KIT16237	21	0	KIT; COMPRESSOR COMPONENTS - INCLUDES COVER, TERMINAL BLOCK AND CLIP

REFRIGERATION CIRCUIT CONTROLS

75009944

REV B



This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
CNT04959	1	1	CONTROL; LOW PRESSURE, CLOSE ON RISE 41 PSIG, OPEN ON FALL 25 PSIG, 6.0 FLA, 36 LRA AT 120/240 VAC, BLUE LEADS
CNT04961	2	1	CONTROL, LOW PRESSURE, 25 OPEN, 41 CLOSE, .25 FFL, 55.00 LEADS WITH 1/4 INSUL., FEMALE QC TERMINAL
THT02762	3	1	THERMOSTAT; WITH CLIP, .875 TUBE, 72" BLACK WIRES, SPST, 230F OPEN, 180F CLOSE
THT02761	4	1	THERMOSTAT; WITH CLIP, .5/.625 TUBE, 72" RED WIRES, SPST, 230F OPEN, 180F CLOSE
CNT04958	5	1	CONTROL; HIGH PRESSURE CUTOUT, ACTUATION PRESSURE 650 PSIG, DEACTUATION PRESSURE 550 PSIG, 6.0 FLA, 36 LRA AT 120/240 VAC, 72 IN LEADS WITH FEMALE 1/4 QC
CNT04960	6	1	CONTROL; HIGH PRESSURE, 650 OPEN, 550 CLOSE, .25 FFL W/DEFLATOR, 72.00 RED LEADS WITH 1/4 FEMALE AND MALE QC-BLACK.

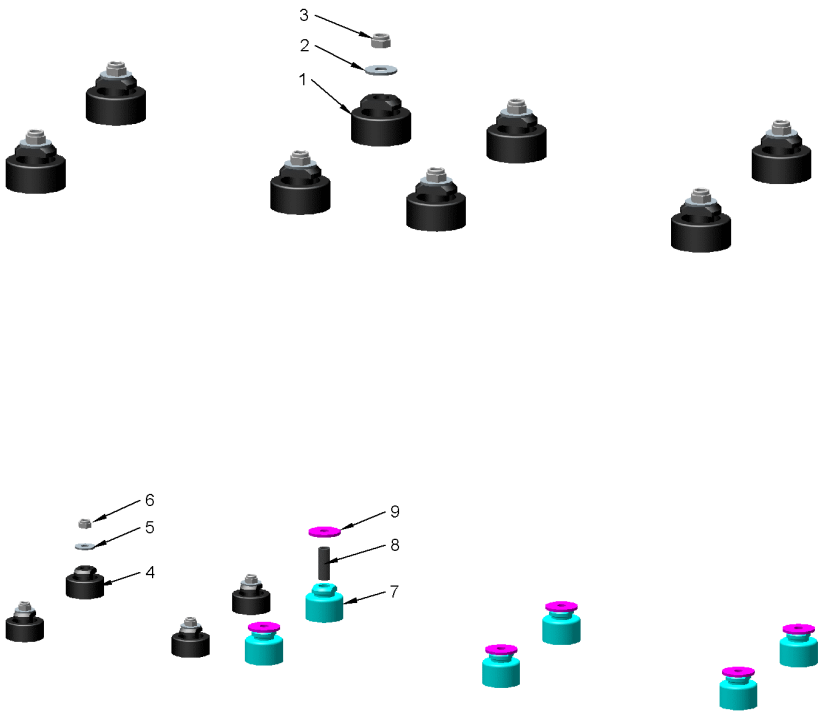
COMPRESSOR MOUNTING HARDWARE

75010913

REV A

VOYAGER 2

TYPICAL ILLUSTRATION

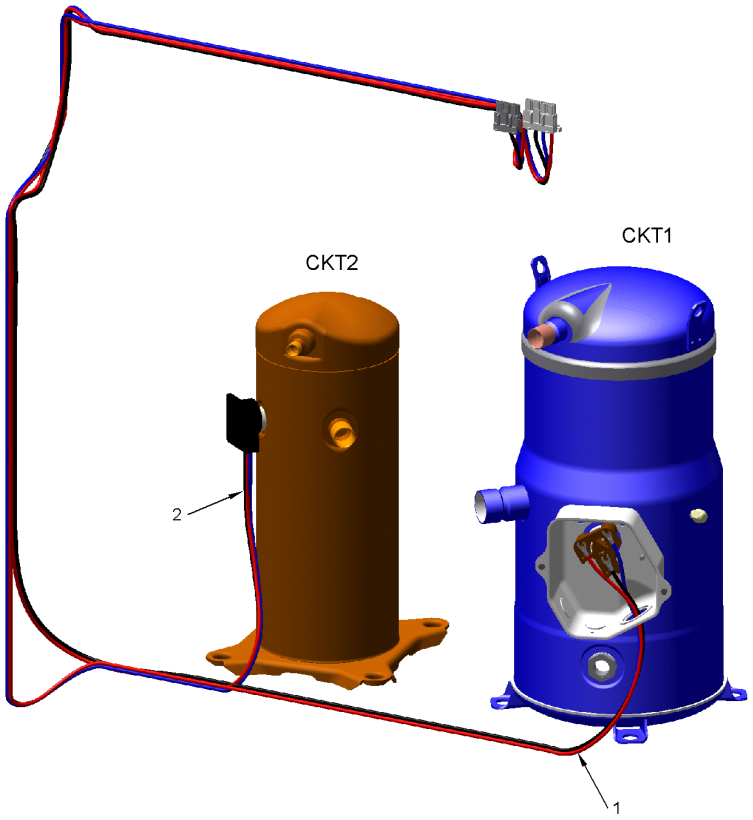


Part No.	Reference No.	Quantity	Description
GRM00888	1	8	GROMMET; ISOLATOR, COMPRESSOR, .438 ID X .160 GRV, .750 DIA X 1.625 OD, BLACK NEOPRENE RUBBER
NUT00355	3	8	NUT; HEX, LOCK, 5/16IN.-18

COMPRESSOR POWER HARNESSES

75011760

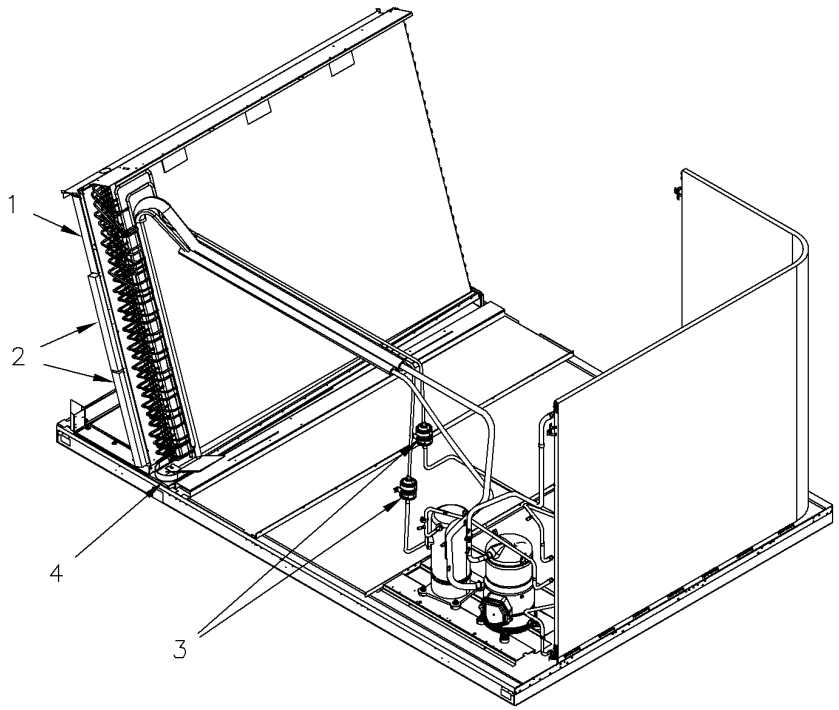
REV A



This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
WIR08285	2	1	WIRE; HARNESS, COMPRESSOR POWER - CIRCUIT 2

FILTERS AND DRAINPAINS 75009909 REV A

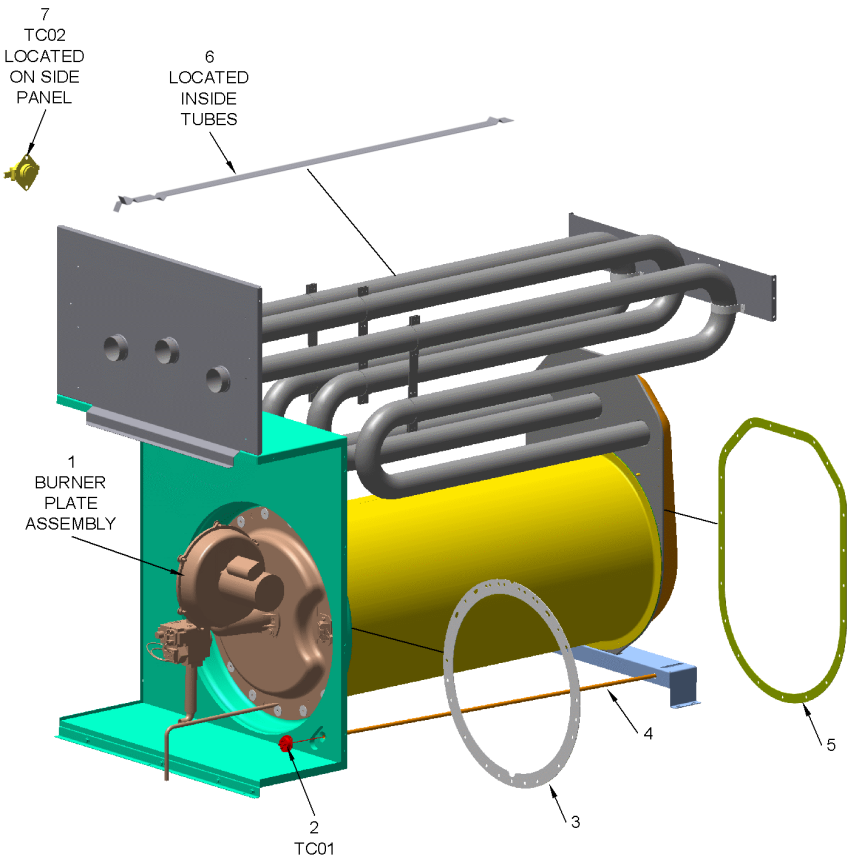


Part No.	Reference No.	Quantity	Description
TOL04139	*	2	TOOL; FILTER REMOVAL
DHY01470	3	2	DRIER; LIQUID LINE; SERVICE FIRST; 16 CU. IN. DCL165/4S, 5/8 ODF INLET X 1/2 ODF OUTLET; 11.4 TON CAPACITY; APPROVED FOR MINERAL OIL AND POE OIL REF

HEAT EXCHANGER PARTS

75011627

REV A

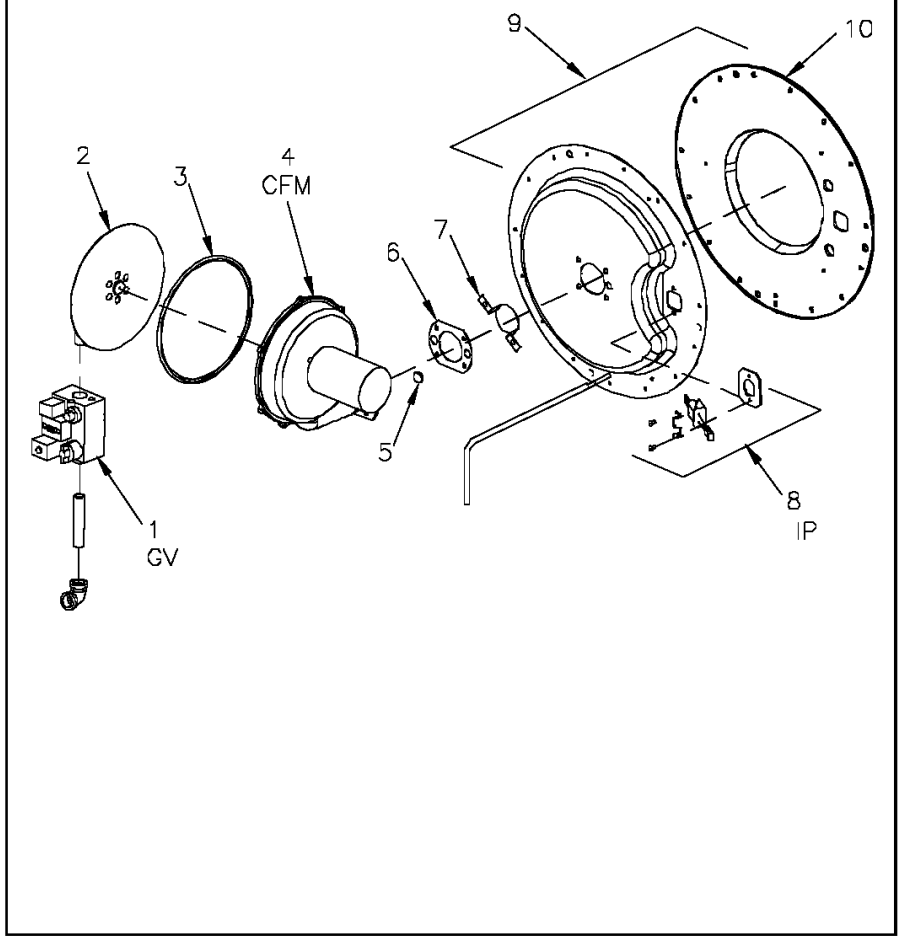


This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
75009030	1		BURNER PLATE ASSEMBLY
CNT01219	2	1	CONTROL; TEMP,OPEN 170F, SPST, LIMIT, NORMALLY CLOSED, WITH CAPILLARY
GKT02141	3	1	GASKET; . 06 THK X 18.85 DIAMETER, HI-TEMP
TUB04717	4	1	TUBE; TEMPERATURE PROBE
GKT02142	5	1	GASKET; .06 THK, HI-TEMP, DRUM END COVER
TRB00022	6	5	TURBULATOR;
CNT01031	7	1	CONTROL; TEMP LIMIT, SPDT, OPEN 150F, CLOSE 110F

Burner Plate Assembly
Typical Illustration

75009030 REV A

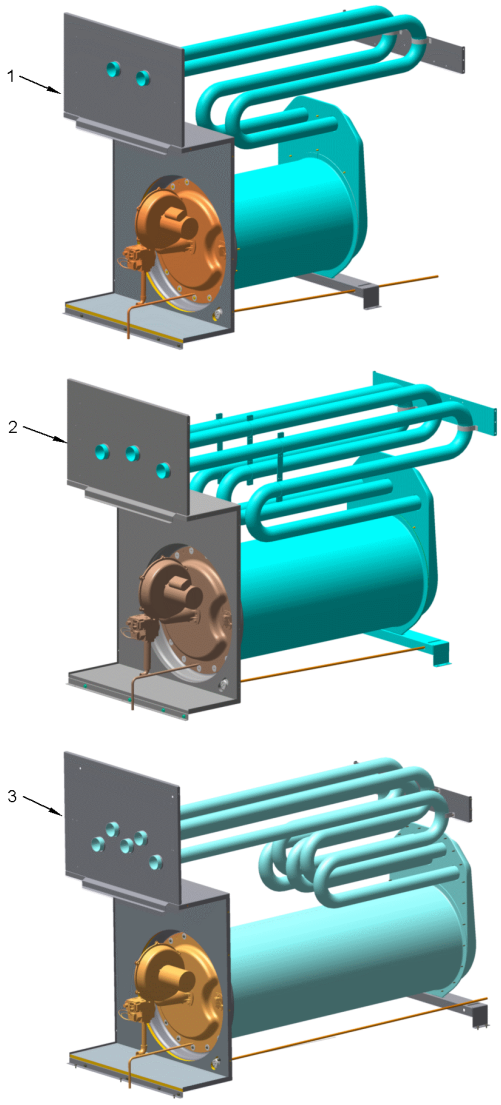


Part No.	Reference No.	Quantity	Description
CNT01221	1	1	CONTROL; VALVE, GAS, .75 NPTI, 24 VAC, NEGATIVE PRESSURE OPERATION
ORF01032	2	1	ORIFICE; .437 DIAMETER
GKT03053	3	1	GASKET; EDGE TRIM, .062 X 9.0 DIAMETER
FAN02161	4	1	FAN; BLOWER, COMBUSTION, W/MOTOR, 1/10 HP, 208-230/60/1
GLS00144	5	1	GLASS; SIGHT, .75 OD X .12 THK
GKT04206	6	1	GASKET; SPECIALTY; .125 THK X 4.16 DIA, SILICONE SPONGE (RED), MAX TEMP 450 DEG F W/HOLES PRESSURE SENSITIVE BACKING
BAF00304	7	1	BAFFLE;COMBUSTION BLOWER
KIT03033	8	1	KIT; IGNITOR
PLT04093	9	1	PLATE; BNR CAP ASSY, FOR 17 IN DRUM, 350/400 MBH (INCLS GKT AND INSL, DOES NOT INCL 17 IN DRUM , BLWR MTR, GAS VAL, PIPING OR IGN. COMPS. ID IN CAT'S
INS01719	10	1	INSULATION; BURNER HEAT SHIELD BARRIER, 8.76" ID X 19.2" OD

HEAT EXCHANGER REPLACEMENT

75011622

REV
A

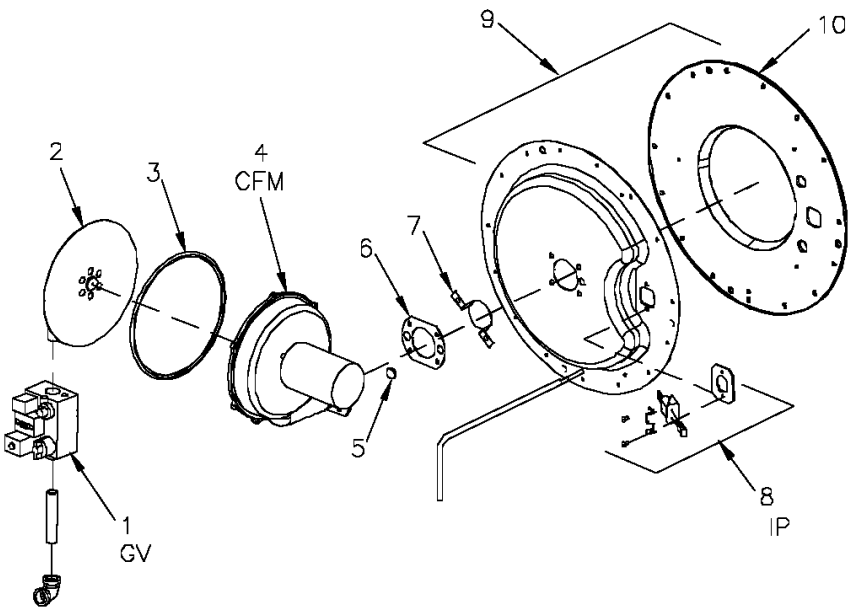


This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
EXC01323	3	1	EXCHANGER; 400 MBH GAS HEAT ASSEMBLY, INCLUDES BURNER CAP PLATE ASSEMBLY 17 INCH DRUM, AND COMBUSTION FAN ASSEMBLY

Burner Plate Assembly
Typical Illustration

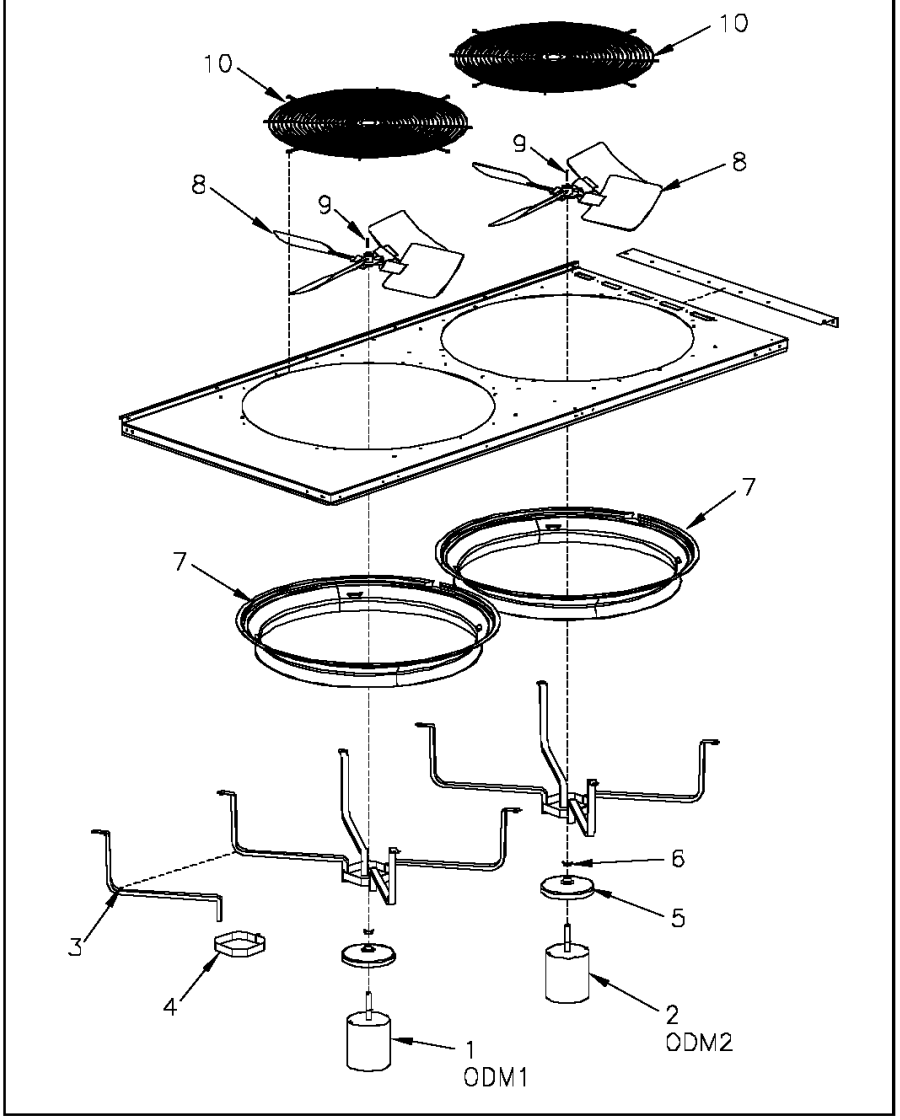
75009030 REV A



Part No.	Reference No.	Quantity	Description
CNT01221	1	1	CONTROL; VALVE, GAS, .75 NPTI, 24 VAC, NEGATIVE PRESSURE OPERATION
ORF01032	2	1	ORIFICE; .437 DIAMETER
GKT03053	3	1	GASKET; EDGE TRIM, .062 X 9.0 DIAMETER
FAN02161	4	1	FAN; BLOWER, COMBUSTION, W/MOTOR, 1/10 HP, 208-230/60/1
GLS00144	5	1	GLASS; SIGHT, .75 OD X .12 THK
GKT04206	6	1	GASKET; SPECIALTY; .125 THK X 4.16 DIA, SILICONE SPONGE (RED), MAX TEMP 450 DEG F W/HOLES PRESSURE SENSITIVE BACKING
BAF00304	7	1	BAFFLE;COMBUSTION BLOWER
KIT03033	8	1	KIT; IGNITOR
PLT04093	9	1	PLATE; BNR CAP ASSY, FOR 17 IN DRUM, 350/400 MBH (INCLS GKT AND INSL, DOES NOT INCL 17 IN DRUM , BLWR MTR, GAS VAL, PIPING OR IGN. COMPS. ID IN CAT'S
INS01719	10	1	INSULATION; BURNER HEAT SHIELD BARRIER, 8.76" ID X 19.2" OD

Outdoor Fan Assembly
Typical Illustration

75009012 REV A

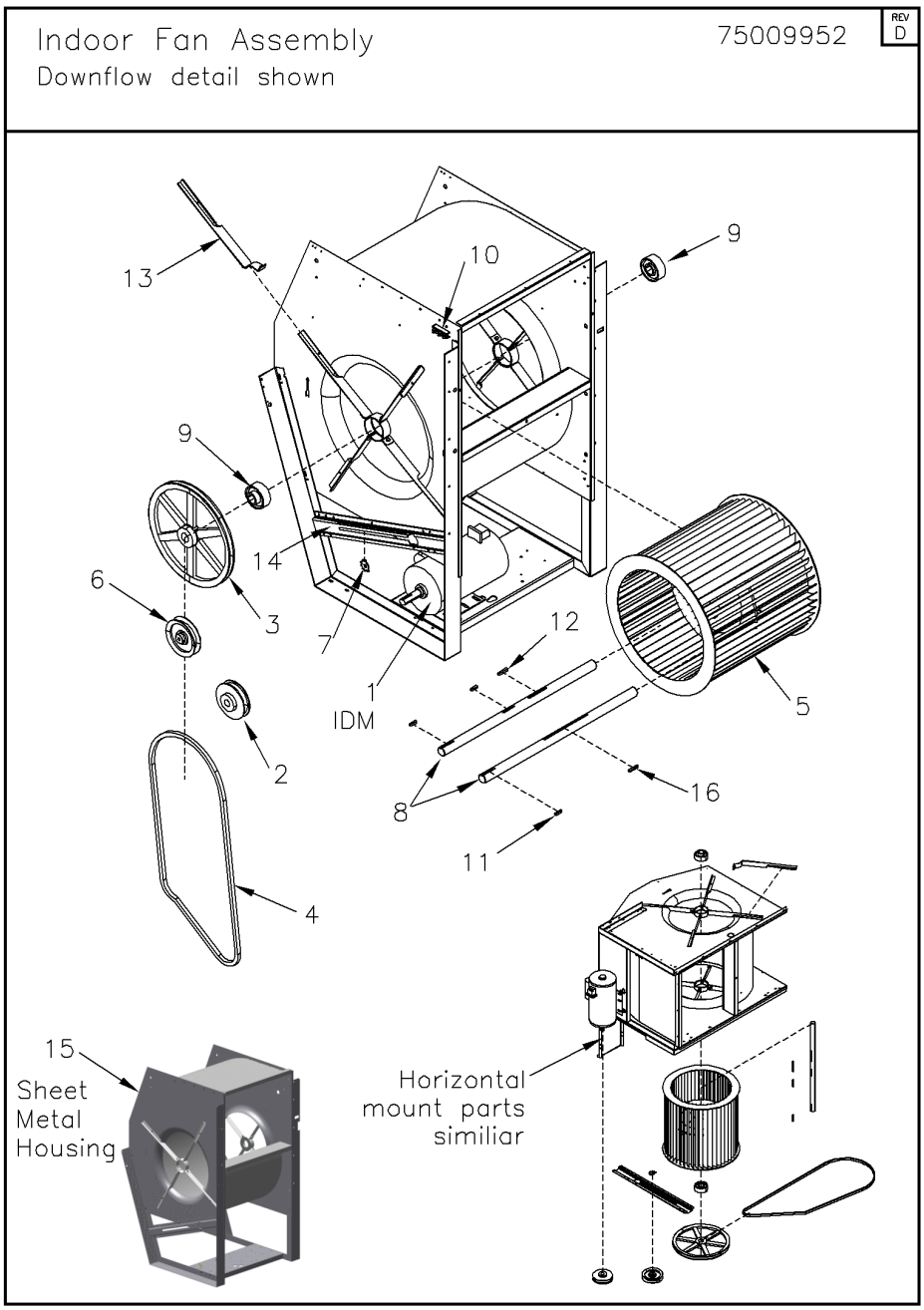


Part No.	Reference No.	Quantity	Description
MOT09191	1	1	MOTOR; 1 HP, 575/60/1, 1125 RPM, 48 FRAME, BB, CCW, 2.0 FLA, 5.1 LRA, 25MFD AT 440 VAC.
MOT09193	2	1	MOTOR; 1 HP, 575/60/1, 1125 RPM, 48 FRAME, BB, CCW, 2.0 FLA, 5.1 LRA, 25MFD AT 440 VAC.
BRK01632	3	8	BRACKET;MOTOR MOUNT, 13.77 LEG
BRK01160	4	2	BRACKET, MOTOR MOUNT
SLG00123	5	2	SLINGER; MOTOR COVER, 7.00 DIA X 1.84 DEEP, FOR USE WITH 5/8 INCH MOTOR SHAFT
CMP00842	6	2	CLAMP; HOSE .88 NOM. ID DIA, SELF-TIGHTENING.
ORF00575	7	2	ORIFICE;O.D. FAN
FAN02778	8	2	FAN; 4 BLADE, ALUM, 26 IN DIA, 32 DEGREE PITCH, CW, .625 BORE
KEY00820	9	2	KEY; .187 SQ X 1.26 LG, LOW CARBON CD STEEL
GRD00450	10	2	GUARD; FAN, 27.5 DIA

Indoor Fan Assembly
Downflow detail shown

75009952

REV D

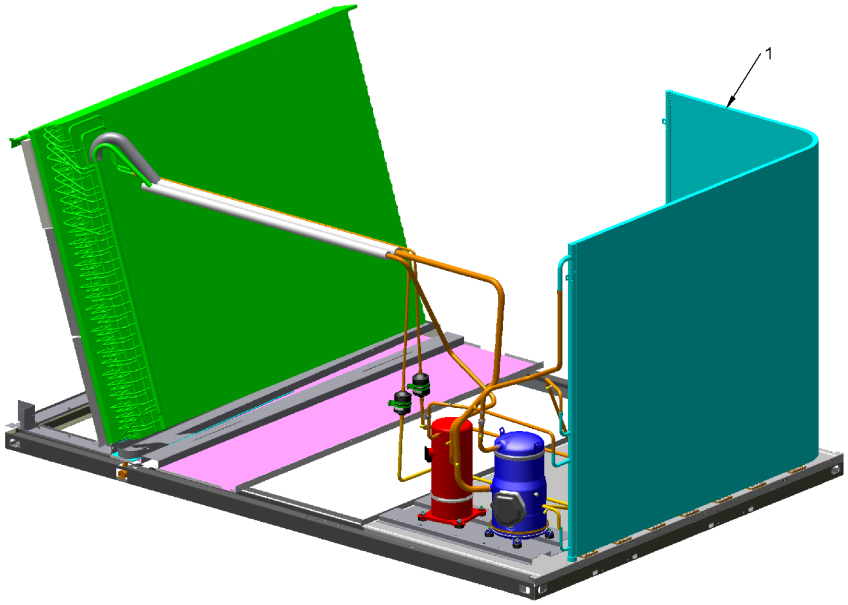


Part No.	Reference No.	Quantity	Description
WHL00626	5	1	WHEEL; FAN, STEEL, 18 DIA X 18 LG, 1.188 BORE, BELT
SHE01565	6	1	SHEAVE; STEEL IDLER, V-BELT, 3/8
GER00321	7	1	GEAR; IDLER
SHF01505	8	1	SHAFT; FAN, 1 3/16 DIA X 25.968 LG
BRG00870	9	2	BEARING, 1.19 BORE, 3.09 OD X 1.19 WIDE
KEY00300	11	1	KEY; 1/4 IN X 1/4 IN X 1-1/2 IN
KEY00299	12	2	KEY; 1/4 IN X 1/4 IN X 1 IN
BRK01162	13	8	BRACKET; BEARING ARM
SUP04426	14	1	SUPPORT; IDLER

OUTDOOR CONDENSER COIL

75009910

REV C

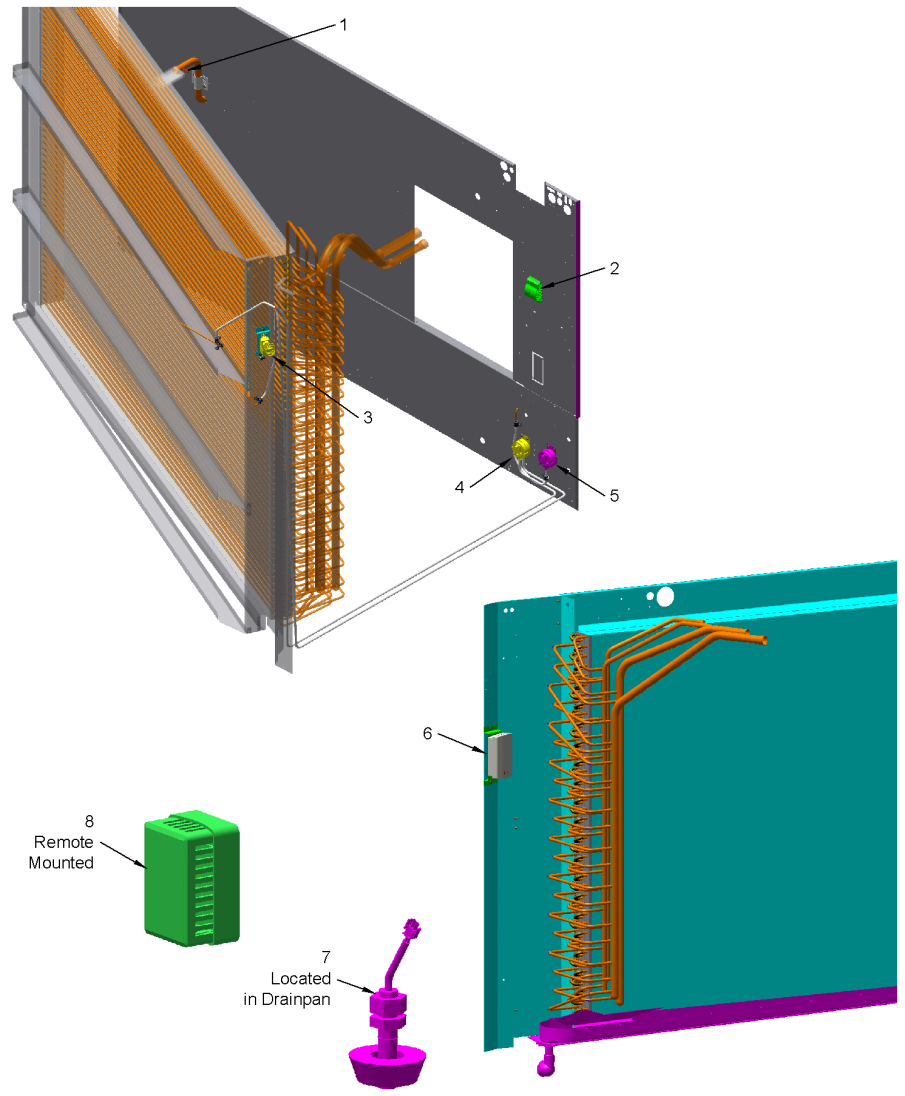


This is a typical illustration. The unit in the field may not appear exactly as shown.

UNIT SENSORS

75009958

REV B



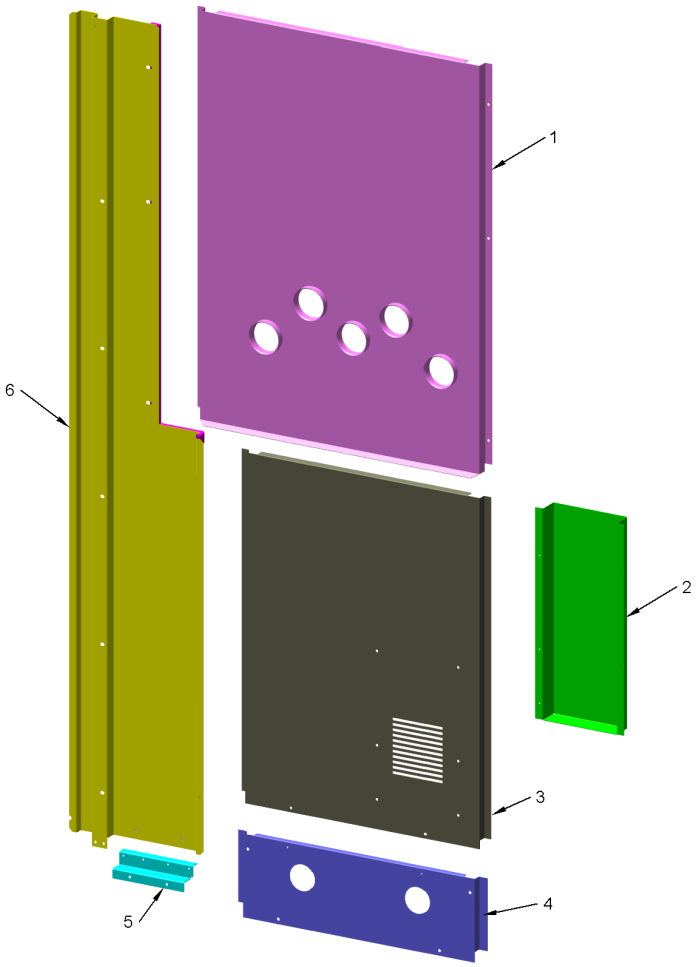
This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
CNT06848	3	1	CONTROL; DEFROST W / CAPILLARY, 50"

GAS HEAT PANELS

75012751

REV A



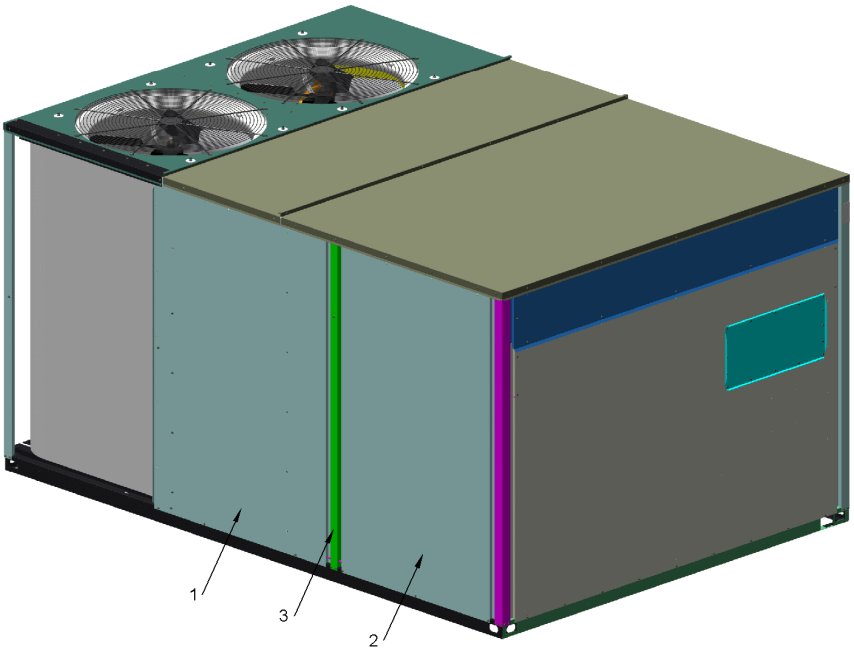
This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
GRD01226	1	5	GUARD; WIRE CLOTH, 2.92 X 5.00
PNN05751	1	1	PANEL; EXHAUST ASSEMBLY, WITH WIRE GUARDS
COV02222	2	1	COVER; COMBUSTION AIR INTAKE
PNN08157	3	1	PANEL, ACCESS HEAT SECTION ASSEMBLY
BRK01905	5	1	BRACKET; SUPPORT LEFT HAT SECTION ASSEMBLY

AIR FLOW PANELS

75012744

REV
A



This is a typical illustration. The unit in the field may not appear exactly as shown.

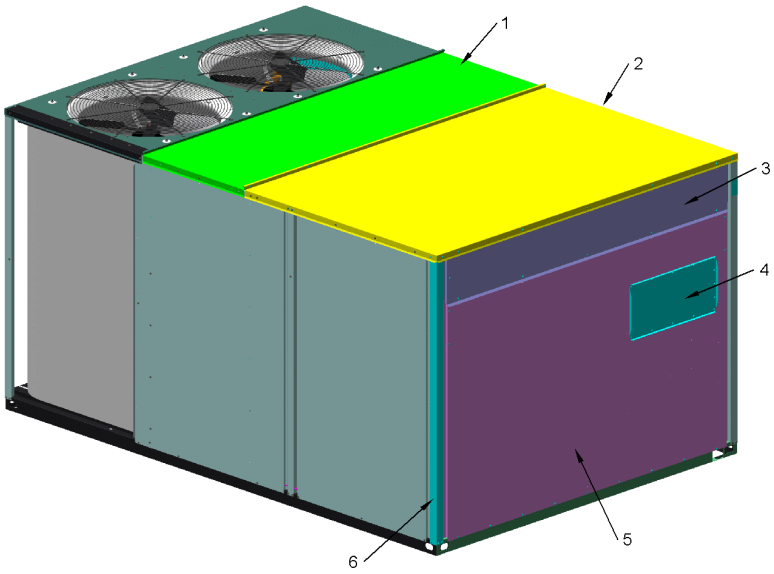
Part No.	Reference No.	Quantity	Description
PNL29933	1	1	PANEL; REAR DF ASSY
PNN01154	2	1	PANEL; REAR, ASSEMBLY
SUP01489	3	1	SUPPORT;RIGHT HAT SECTION

COMM PANELS

75012749

REV A

DOWNFLOW



This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
COV01384	1	1	COVER, TOP HEAT SECTION ASSEMBLY
COV01383	2	1	COVER, ID SECTION TOP ASSEMBLY
COV01353	4	1	COVER, MANUAL FRESH AIR, 24.42 X 11.71
PNN01155	5	1	PANEL; ECONOMIZER, END ASSEMBLY
SUP01488	6	1	SUPPORT;CORNER POST REAR ASSEMBLY

VOYAGER 75012144 REV A

OPTIONAL FIELD INSTALLED ACCESSORIES

ACCESSORY TYPE

ECON = Economizer
ASCT = Anti-Cycle Timer
BARM = Barometric Relief
BASE = Base
BURN = Burner
CTHI = Board-Convention Inerface
CURB = Roofcurb
CCHT = Crankcase Heater
DFSR = Air Diffuser
DMPR = SS Damper
DNKT = Downflow Kit
FCCV = Flow Control Check Valve
FLSW = Flow Switch
FLTR = Filter
FRST = High Temperature Sensor
GARD = Coil Guard
HALT = High Altitude Kit
HSDR = Optimized Sheave Accessory
HSMT = Oversized Motor Kit or High Static Motor
HTR = Electric Heater (Digit 7 is used to differentiate the products accessory is used with)
ICSI = Board Communication Interface
ISLT = Isolator
KSKT = Start Accessory Kit
LEGS = Snow Legs
LIFT = Roof Mount Kit
LOAM = Low Ambient
LPKT = L.P. Kit
MOTR = Low Ambient Motor Kit
NXKT = No Oxide Kit
PLNM = Plenum
PLUS = Plus One Kit
PSMN = Power Supply Monitor Kit
PWRX = Power Exhaust
QACB = Quick Adapt Curb
RLAY = Relay
SENS = Sensor
SPEK = Single Source Power Entry
STAT = Thermostat
STMT = Elapsed Time Meter
TBKT = Thru Base Utility Kit
TEST = Test Accessory
TIME = ICS Interface Kit
TXVA = Thermal Expansion Valve Kit
TXVH = Thermal Expansion Valve Kit
VDPR = Vent Damper
WATR = Hot Water or Steam Coil
2STG = 2 Stage Gas

When identifying accessories please refer to WAVE94591.