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
75012194	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
75012170	SEC 08		OUTDOOR FAN ASSEMBLY
75012166	SEC 08		OUTDOOR FAN MOTORS
75012173	SEC 09		INDOOR FAN ASSEMBLY
75012169	SEC 09		INDOOR FAN MOTOR
75012175	SEC 10		OUTDOOR CONDENSOR COIL
75012098	SEC 12		EVAPORATOR COIL
75009958	SEC 25		UNIT SENSING
75012751	SEC 40		GAS HEAT PANELS
75012745	SEC 42		AIR FLOW PANELS
75012750	SEC 44		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

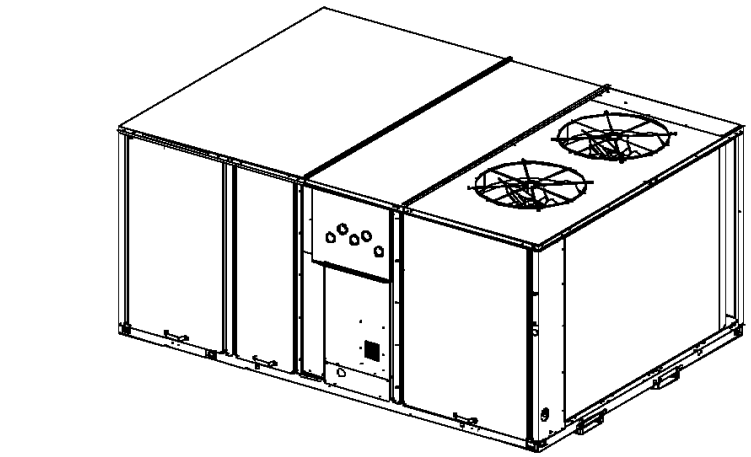
Digit 28 Short Circuit Current Rating (SCCR)
0= Standard
A= 65kA

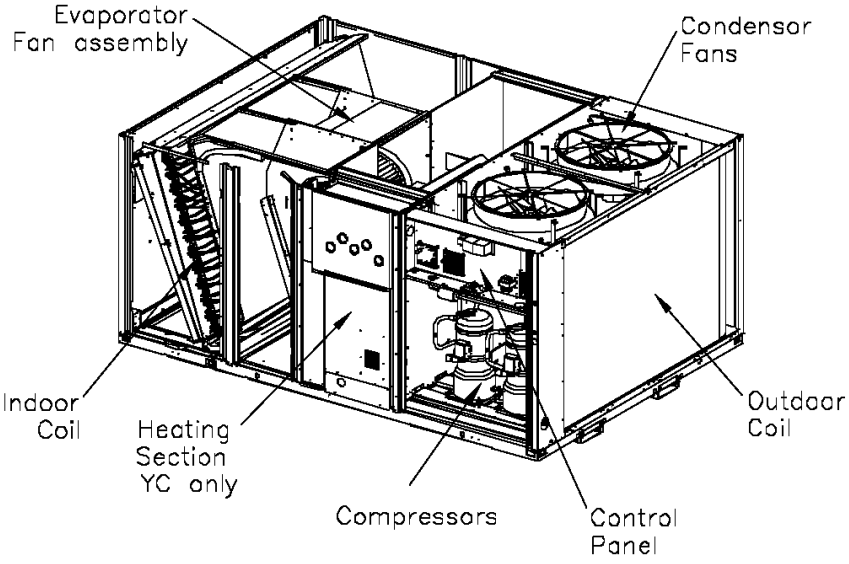
Digit 29,30 Reserved For Future
0= Standard

Digit 31 Unit Controls
0= Standard

Voyager Rooftop
General Illustration
YCD240 shown

75009005 REV A

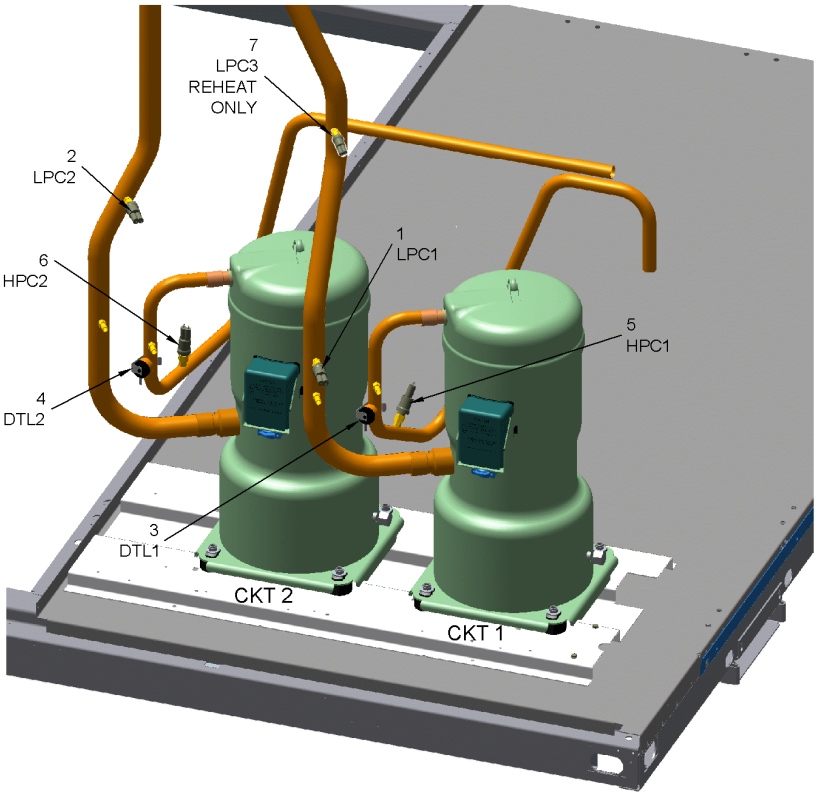




REFRIGERATION CIRCUIT CONTROLS

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
CNT07733	1	1	CONTROL; LOW PRESSURE, CUTOUT, BLUE LEAD WIRES, CIRCUIT 1
CNT07734	2	1	CONTROL; LOW PRESSURE, CUTOUT, YELLOW LEAD WIRES, CIRCUIT 2
CNT07730	5	1	CONTROL; HI-PRESSURE, BLACK LEAD WIRES
CNT07731	6	1	CONTROL; HI-PRESSURE, RED LEAD WIRES

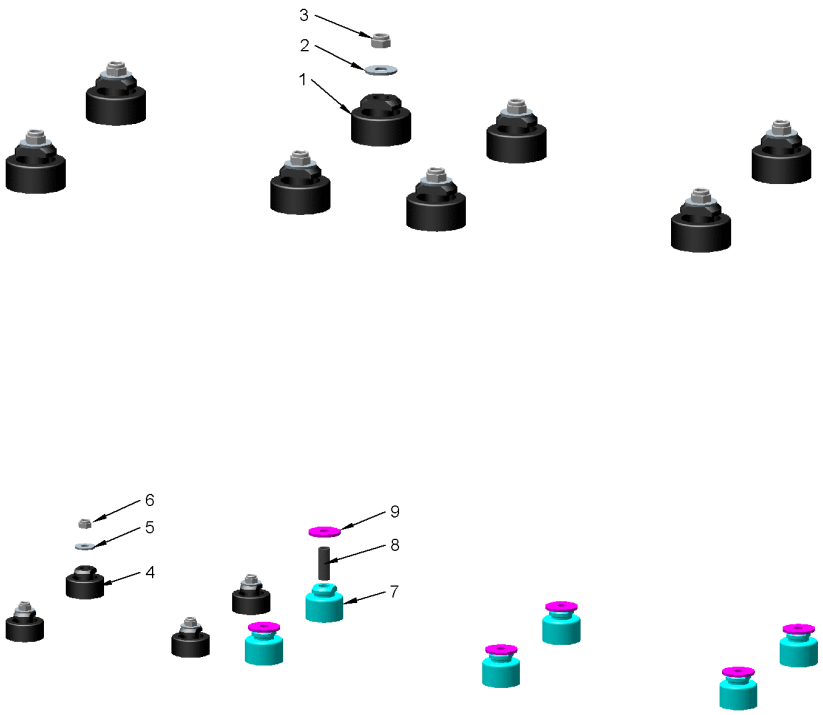
COMPRESSOR MOUNTING HARDWARE

75010913

REV A

VOYAGER 2

TYPICAL ILLUSTRATION

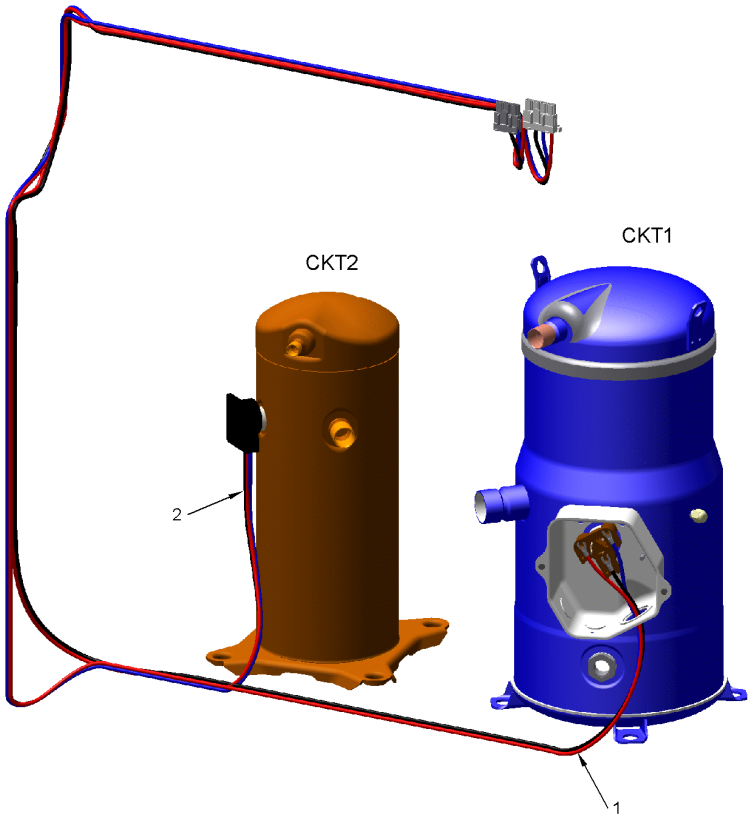


Part No.	Reference No.	Quantity	Description
GRM00888	1	8	GROMMET; ISOLATOR, COMPRESSOR, .438 ID X .160 GRV, .750 DIA X 1.625 OD, BLACK NEOPRENE RUBBER
NUT00355	3	8	NUT; HEX, LOCK, 5/16IN.-18

COMPRESSOR POWER HARNESSES

75011760

REV A

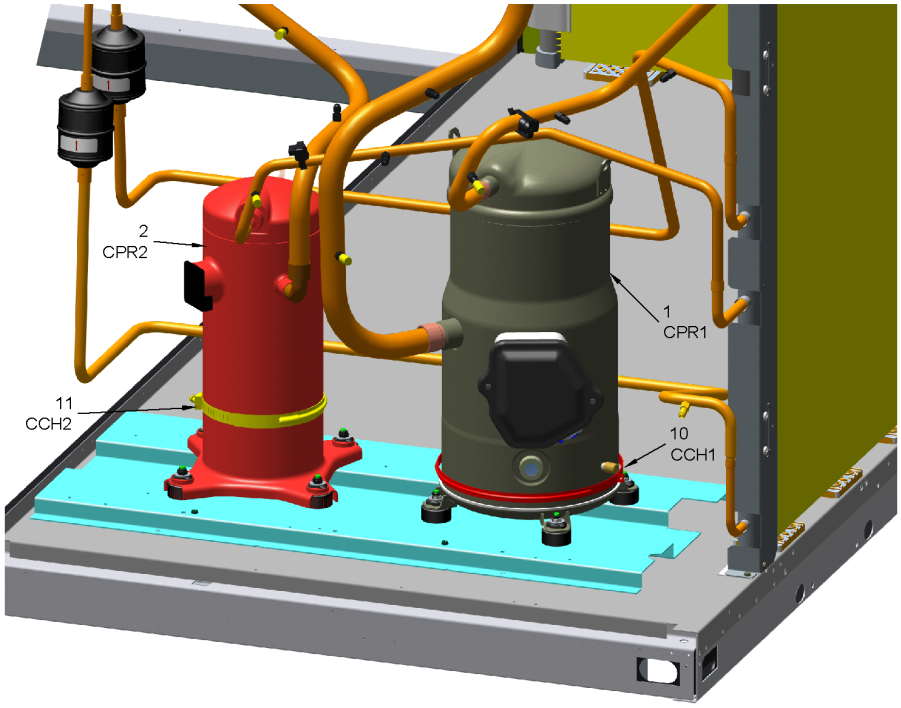


This is a typical illustration. The unit in the field may not appear exactly as shown.

COMPRESSORS
AND CRANKCASE HEATERS

75012194

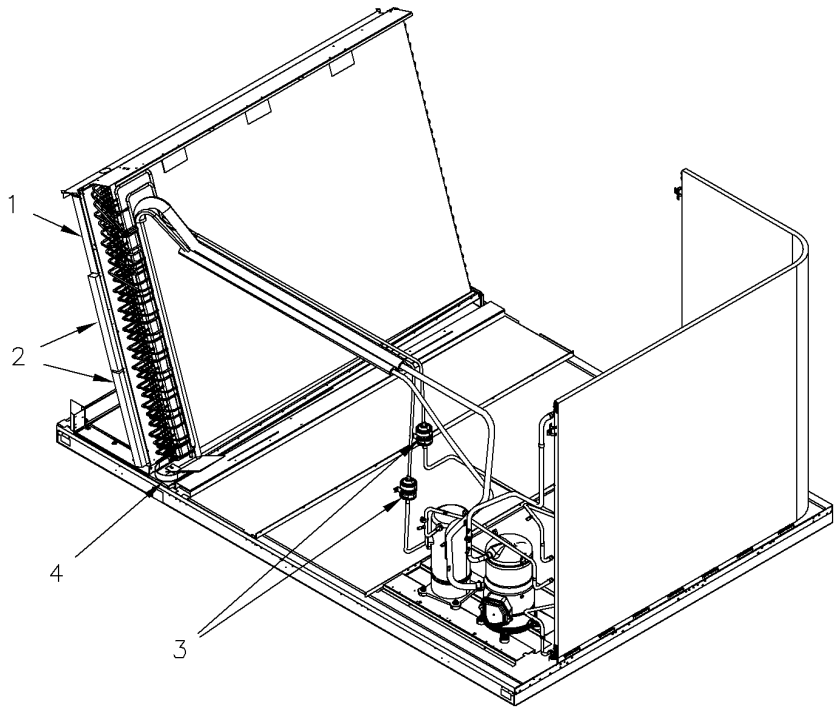
REV A



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

Part No.	Reference No.	Quantity	Description
HTR15359	10	1	HEATER; CRANKCASE, 70W 460V 6.63 DIA
HTR15361	11	1	HEATER; CRANKCASE, 40W 460V

FILTERS AND DRAINPAINS 75009909 REV A

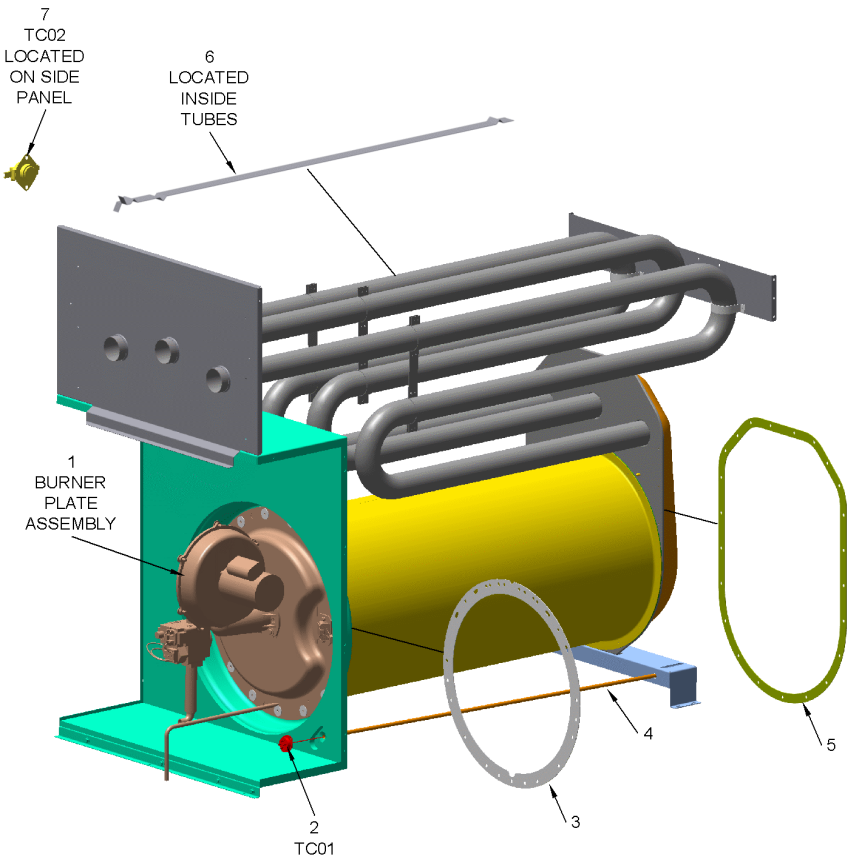


Part No.	Reference No.	Quantity	Description
DHY01470	3	2	DRIER; LIQUID LINE; SERVICE FIRST; 16 CU. IN. DCL165/4S, 5/8 ODF INLET X 1/2 ODF OUTLET; 11.4 TON CAPACITY; APPROVED FOR MINERAL OIL AND POE OIL REF

HEAT EXCHANGER PARTS

75011627

REV A

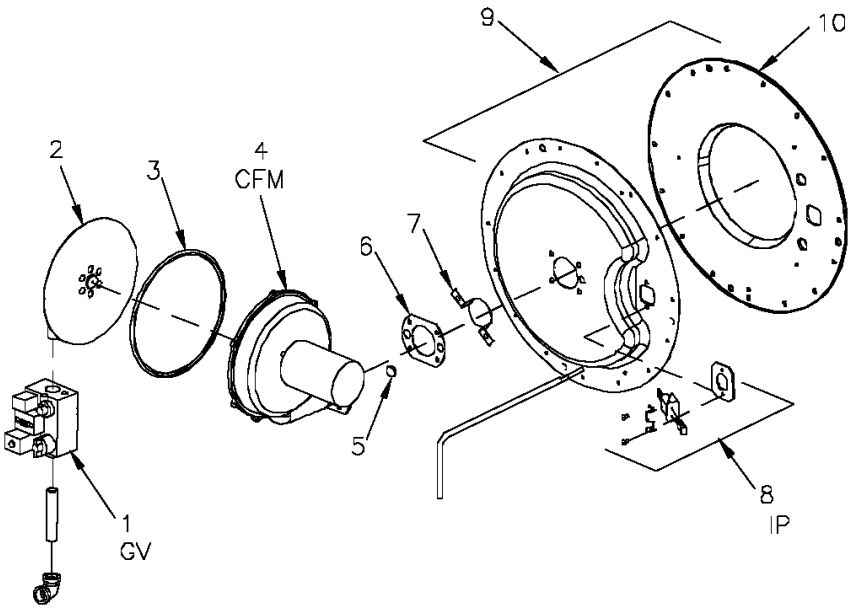


This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
75009030	1		BURNER PLATE ASSEMBLY
CNT05273	2	1	CONTROL; BI-METAL DISC LIMIT; -150F SPST NC, 125VA, PILOT DUTY AUTO RESET, 35.50 INCH CAPILLARY TUBE
GKT02141	3	1	GASKET; . 06 THK X 18.85 DIAMETER, HI-TEMP
TUB04715	4	1	TUBE; TEMPERATURE PROBE
GKT02142	5	1	GASKET; .06 THK, HI-TEMP, DRUM END COVER
TRB00025	6	3	TURBULATOR;
CNT01031	7	1	CONTROL; TEMP LIMIT, SPDT, OPEN 150F, CLOSE 110F

Burner Plate Assembly
Typical Illustration

75009030 REV A

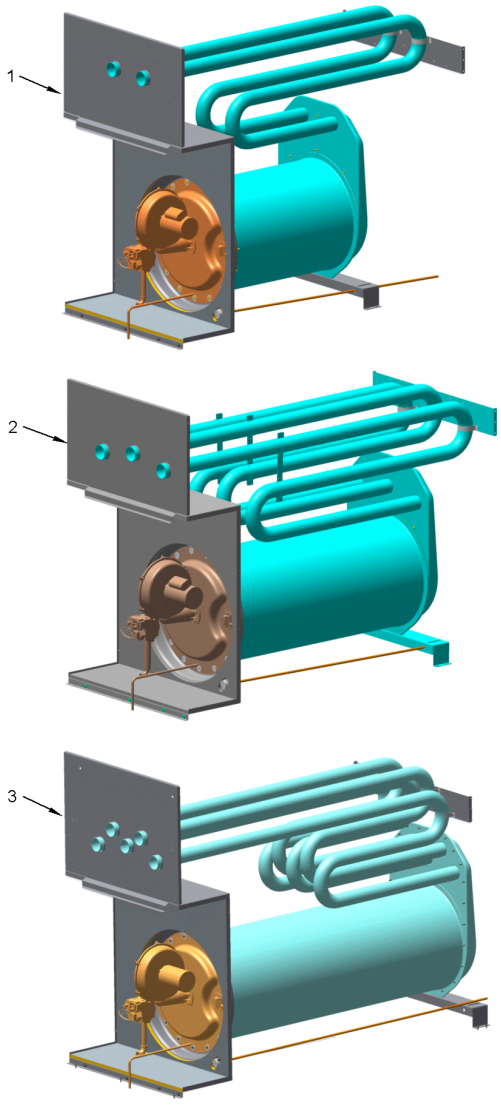


Part No.	Reference No.	Quantity	Description
CNT01221	1	1	CONTROL; VALVE, GAS, .75 NPTI, 24 VAC, NEGATIVE PRESSURE OPERATION
ORF01029	2	1	ORIFICE; #P-.323 DIAMETER
GKT03053	3	1	GASKET; EDGE TRIM, .062 X 9.0 DIAMETER
FAN02160	4	1	FAN; BLOWER, COMBUSTION, W/MOTOR, 1/10 HP, 208-230/60/1
GLS00144	5	1	GLASS; 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
PLT04092	9	1	PLATE; BURNER CAP ASSEMBLY, 17"DRUM, 250 MBH
INS01720	10	1	INSULATION; BURNER HEAT SHIELD BARRIER, 7.56" ID X 19.2" OD

HEAT EXCHANGER REPLACEMENT

75011622

REV A

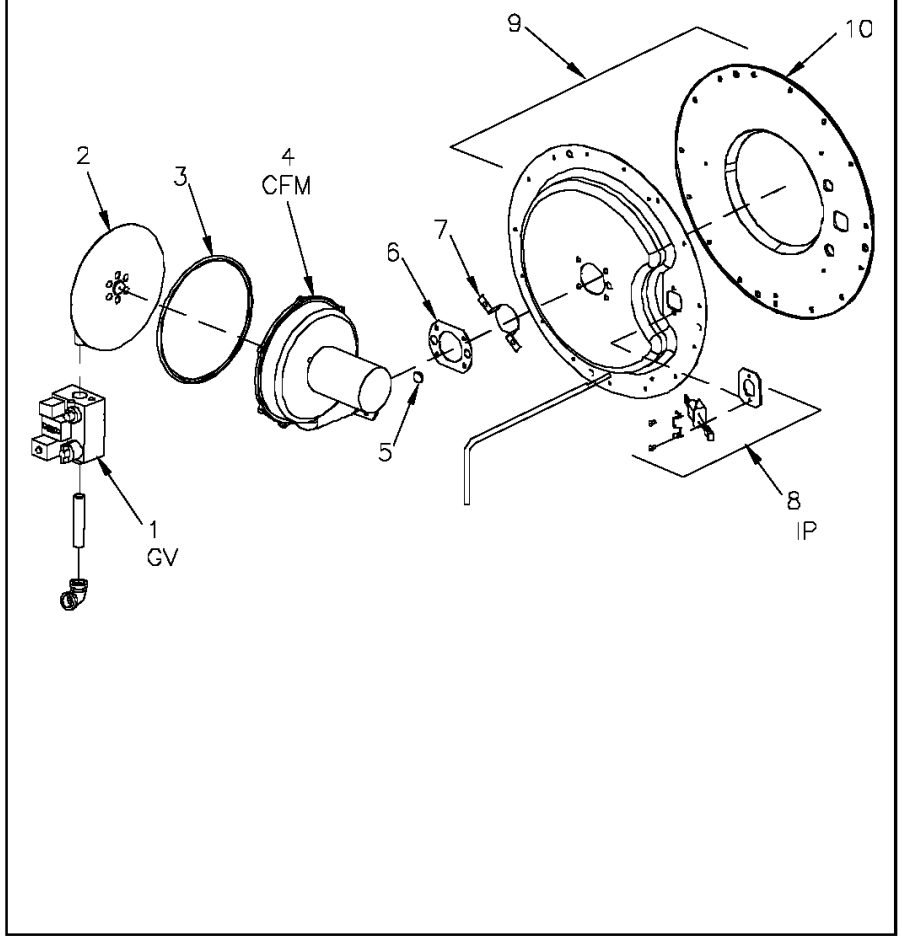


This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
EXC02733	2	1	EXCHANGER; GAS HEAT ASSY, 250 MBH B-CABINET

Burner Plate Assembly
Typical Illustration

75009030 REV A

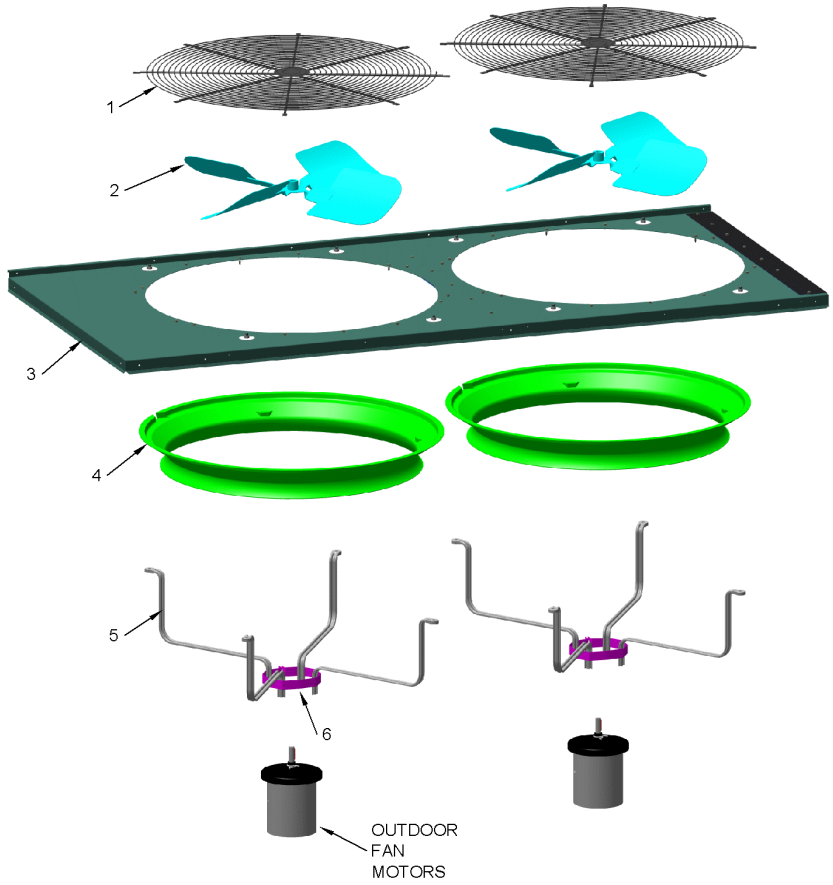


Part No.	Reference No.	Quantity	Description
CNT01221	1	1	CONTROL; VALVE, GAS, .75 NPTI, 24 VAC, NEGATIVE PRESSURE OPERATION
ORF01029	2	1	ORIFICE; #P-.323 DIAMETER
GKT03053	3	1	GASKET; EDGE TRIM, .062 X 9.0 DIAMETER
FAN02160	4	1	FAN; BLOWER, COMBUSTION, W/MOTOR, 1/10 HP, 208-230/60/1
GLS00144	5	1	GLASS; 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
PLT04092	9	1	PLATE; BURNER CAP ASSEMBLY, 17"DRUM, 250 MBH
INS01720	10	1	INSULATION; BURNER HEAT SHIELD BARRIER, 7.56" ID X 19.2" OD

OUTDOOR FAN ASSEMBLY

75012170

REV B



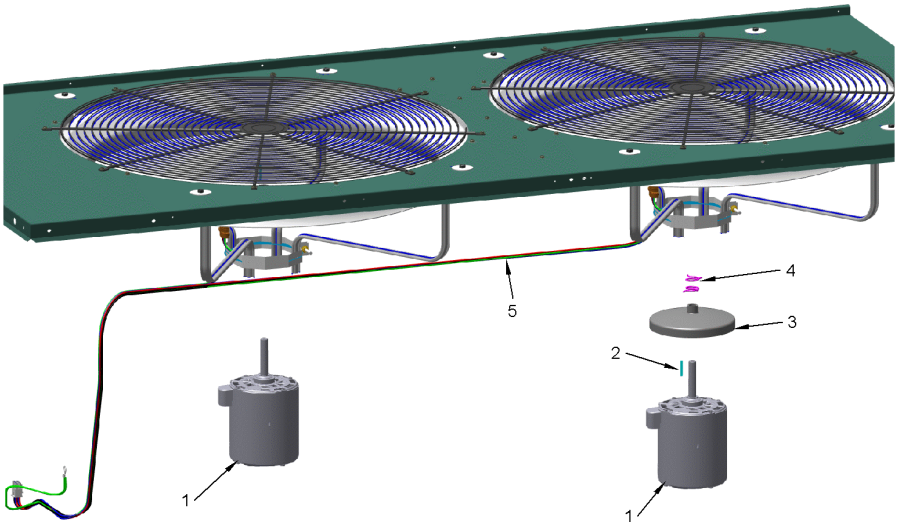
This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
GRD00450	1	2	GUARD; FAN, 27.5 DIA
FAN01531	2	2	FAN;3 BLADE,ALUM,26 DIA, 22-25 DEG,.50 BORE,CW
COV04719	3	1	COVER; TOP OUT DOOR SECTION
ORF00576	4	2	ORIFICE;CONDENSER FAN
BRK01632	5	8	BRACKET;MOTOR MOUNT, 13.77 LEG
BRK01160	6	2	BRACKET, MOTOR MOUNT

OUTDOOR FAN MOTORS

75012166

REV B



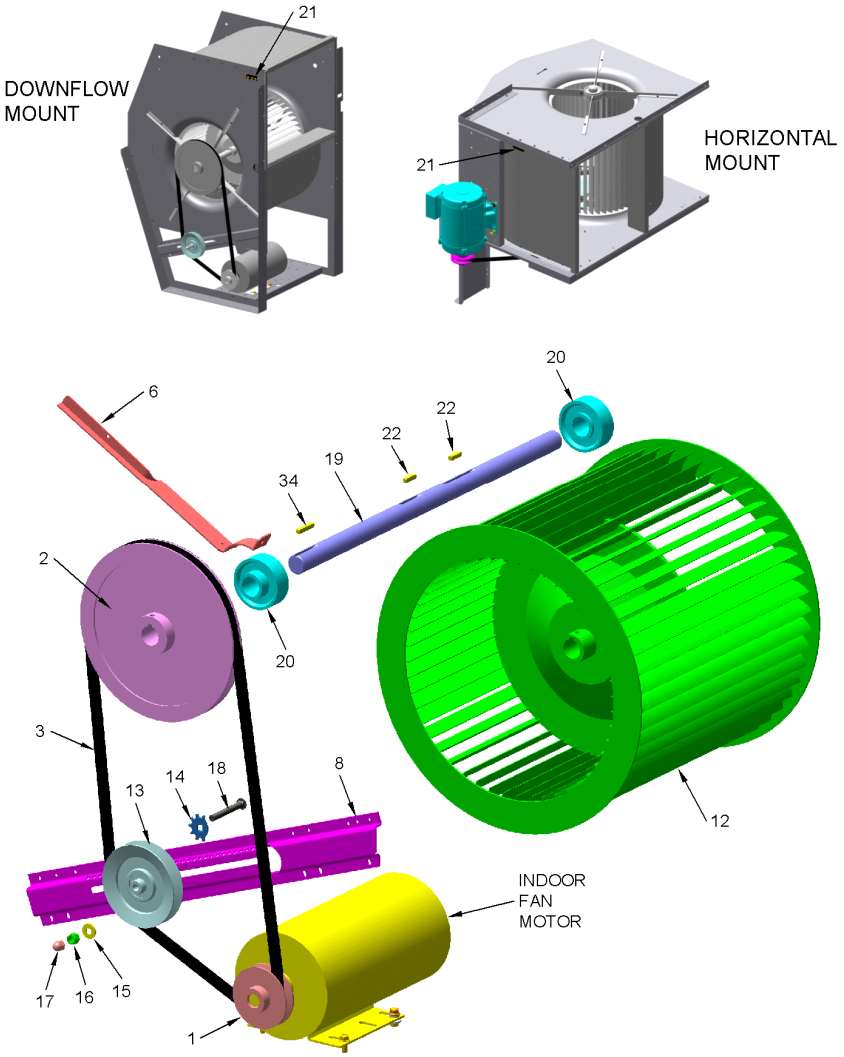
This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
MOT17982	1	2	MOTOR; AC; 1/2 HP, 460 60 3,1100 RPM
WIR08799	5	1	WIRE; HARNESS; 3 PHASE OUTDOOR MOTOR HARNESS

INDOOR FAN ASSEMBLY

75012173

REV A



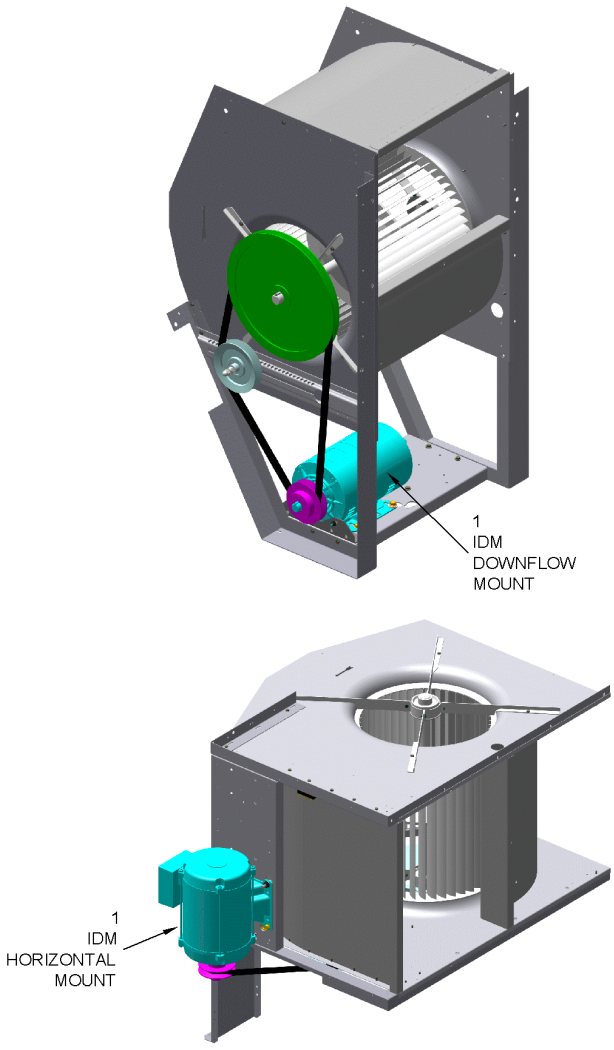
This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
SHE00554	1	1	SHEAVE; 1VP44, 7/8IN. BORE
BRK01161	6	8	BRACKET; BEARING ARM
SUP04890	8	1	SUPPORT; IDLER BRACKET
WHL00625	12	1	WHEEL; FAN, STEEL, 15 DIA X 15 LG, 1.0 BORE, BELT
SHE01565	13	1	SHEAVE; STEEL IDLER, V-BELT, 3/8
GER00321	14	1	GEAR; IDLER
WAS00561	15	1	WASHER;FLAT DG
NUT00150	16	1	NUT; HEX, SELF LOCKING, .38-16
NUT00587	17	1	NUT; HEX CAP, 38-16
SHF01504	19	1	SHAFT; FAN, 1 X 22.295
BRG00740	20	2	BEARING; CARTRIDGE, BALL 1.00 BORE
KEY00299	22	2	KEY; 1/4 IN X 1/4 IN X 1 IN
KEY00300	34	1	KEY; 1/4 IN X 1/4 IN X 1-1/2 IN

INDOOR FAN MOTOR

75012169

REV
A

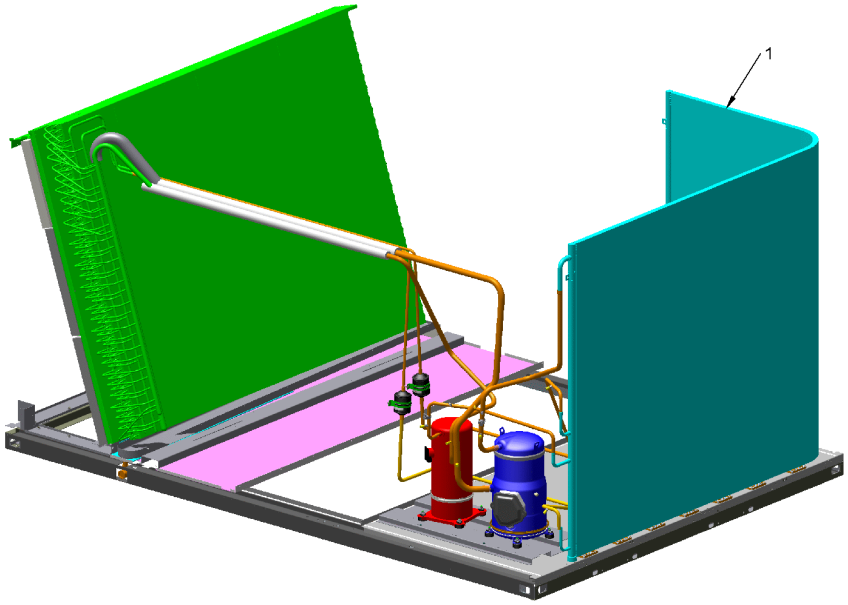


This is a typical illustration. The unit in the field may not appear exactly as shown.

OUTDOOR CONDENSER COIL

75012175

REV
A

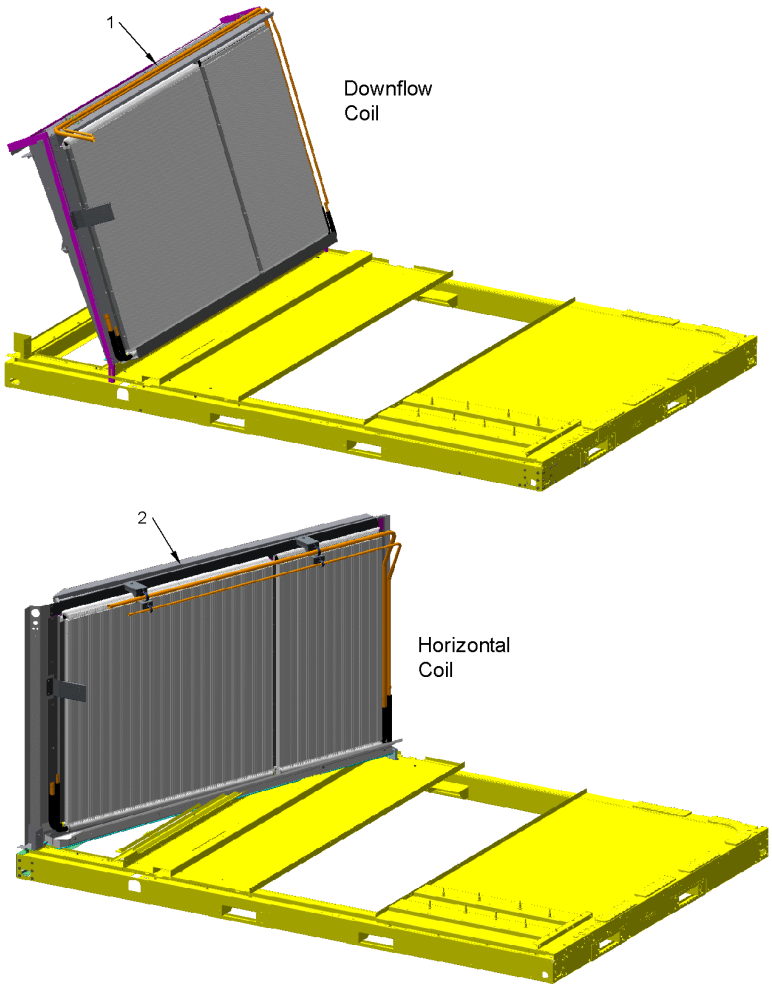


This is a typical illustration. The unit in the field may not appear exactly as shown.

EVAPORATOR COIL

75012098

REV A

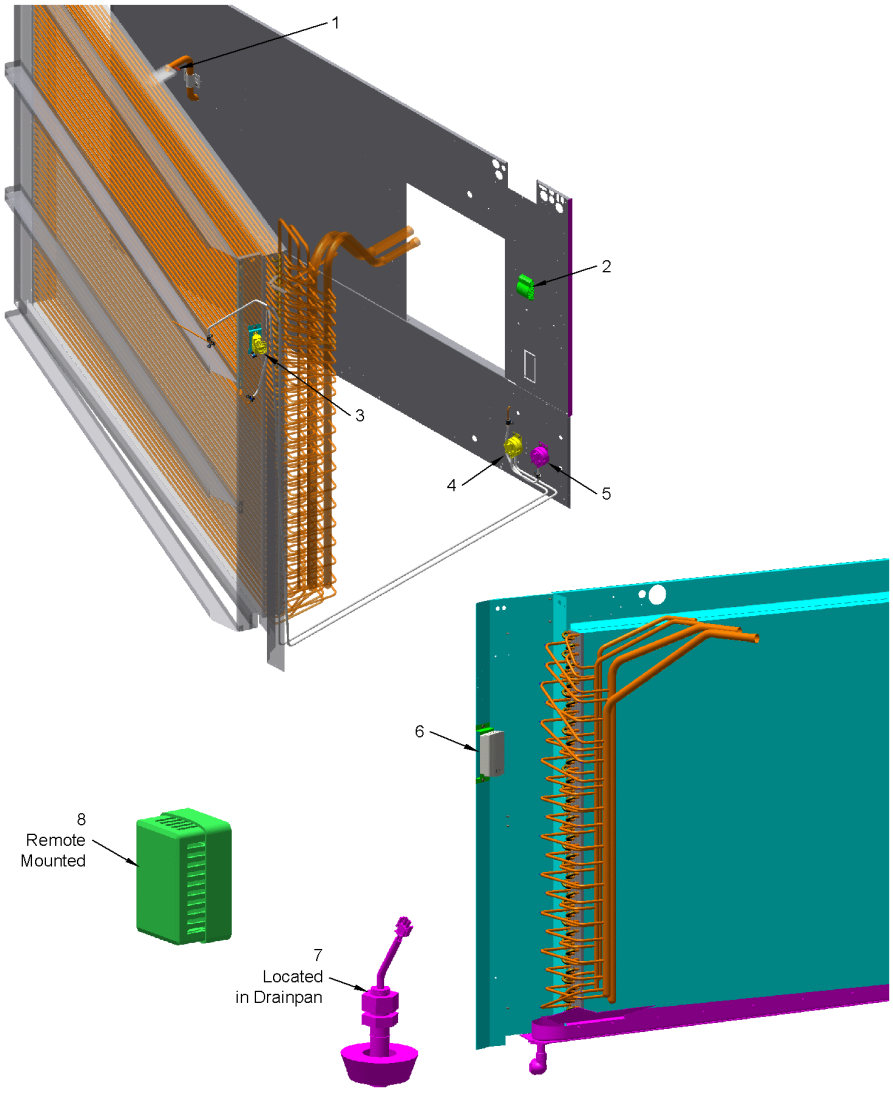


This is a typical illustration. The unit in the field may not appear exactly as shown.

UNIT SENSORS

75009958

REV B

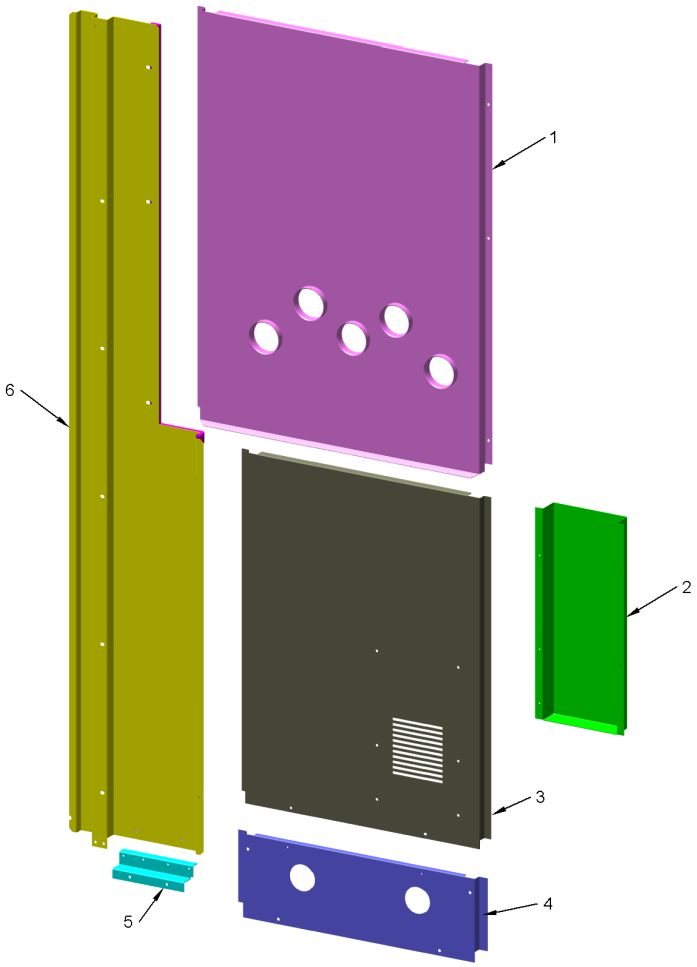


This is a typical illustration. The unit in the field may not appear exactly as shown.

GAS HEAT PANELS

75012751

REV A



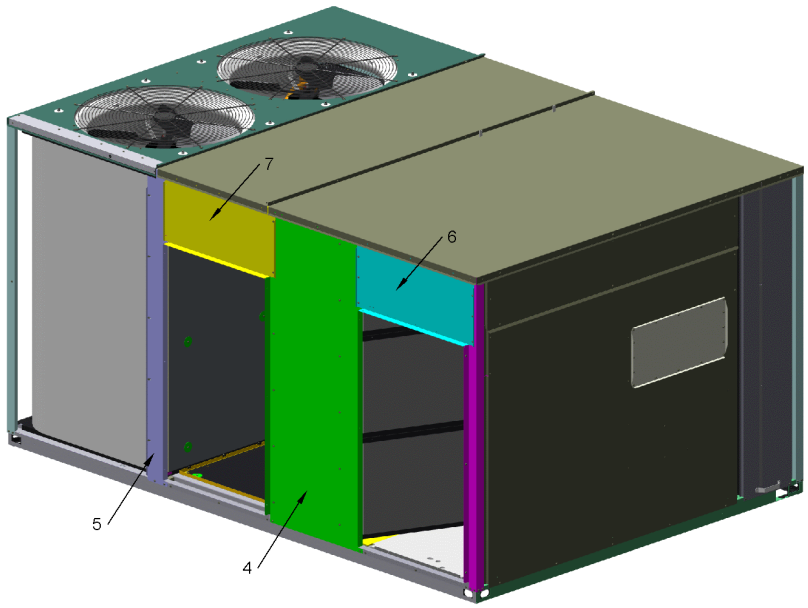
This is a typical illustration. The unit in the field may not appear exactly as shown.

Part No.	Reference No.	Quantity	Description
GRD01226	1	5	GUARD; WIRE CLOTH, 2.92 X 5.00
PNN05740	1	1	PANEL;EXHAUST ASSEMBLY
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

75012745

REV
A



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

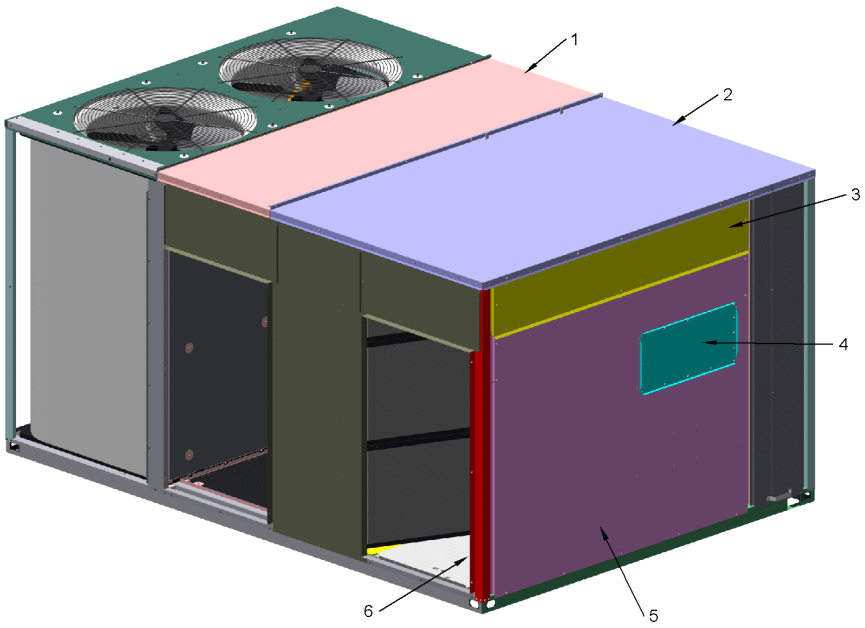
Part No.	Reference No.	Quantity	Description
PNN01188	4	1	PANEL; DUCT DIVIDER
DUC00267	6	1	DUCT; ANGLE FLANGE RETURN
DUC00268	7	1	DUCT; ANGLE SUPPLY

COMM PANELS

75012750

REV A

HORIZONTAL



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

Part No.	Reference No.	Quantity	Description
COV01378	1	1	COVER, HEAT SECTION TOP ASSEMBLY
COV01353	4	1	COVER, MANUAL FRESH AIR, 24.42 X 11.71
PNN01184	5	1	PANEL; ECONOMIZER
SUP01496	6	1	SUPPORT;CORNER POST 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.