

Parts List, Tech Labels, Wiring Diagrams

PGS072 SERIES

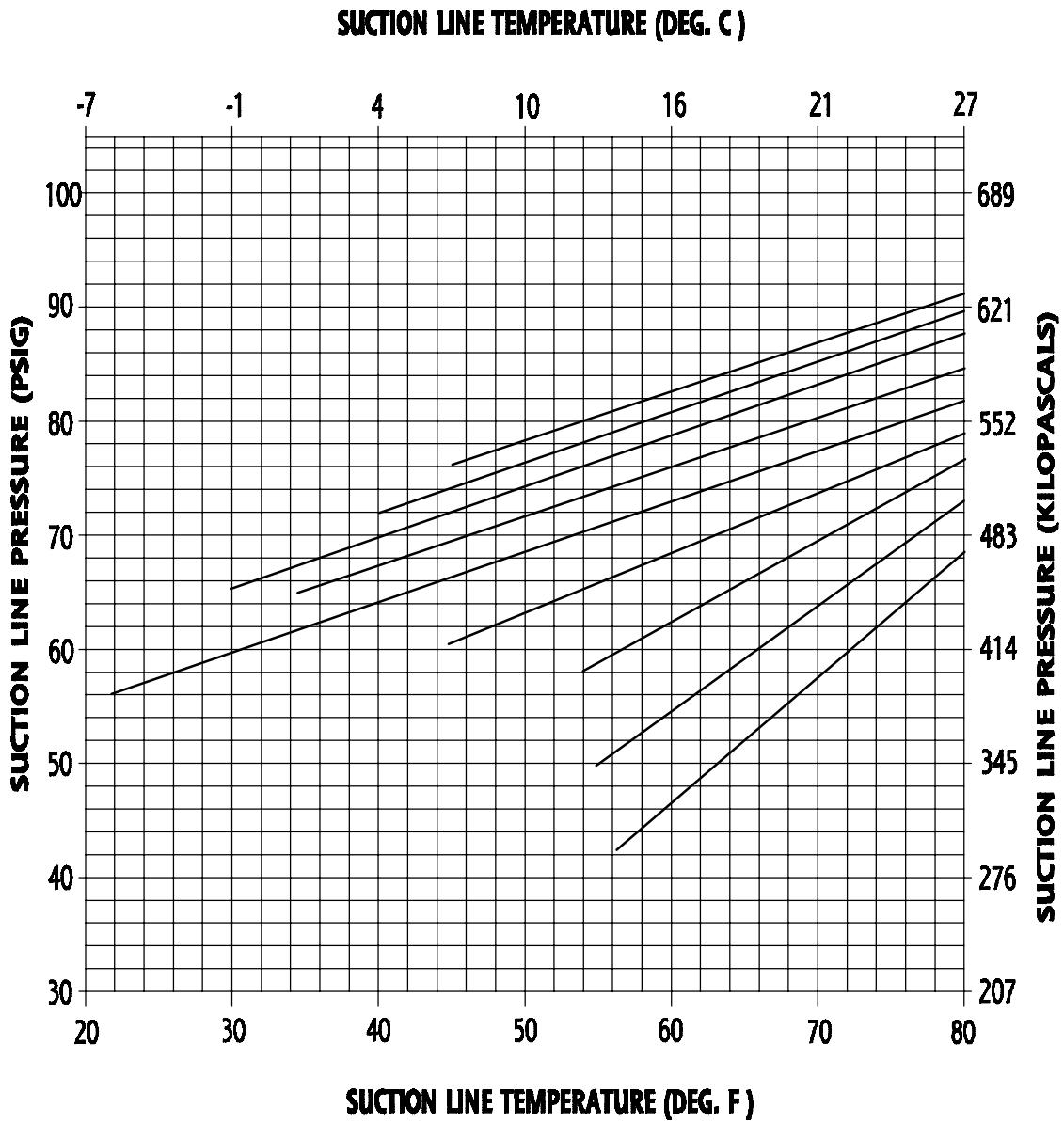
PACKAGE GAS ELECTRIC UNITS



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6 TON UNIT (60 Hz) CHARGING CHART



50DK508721 REV 2

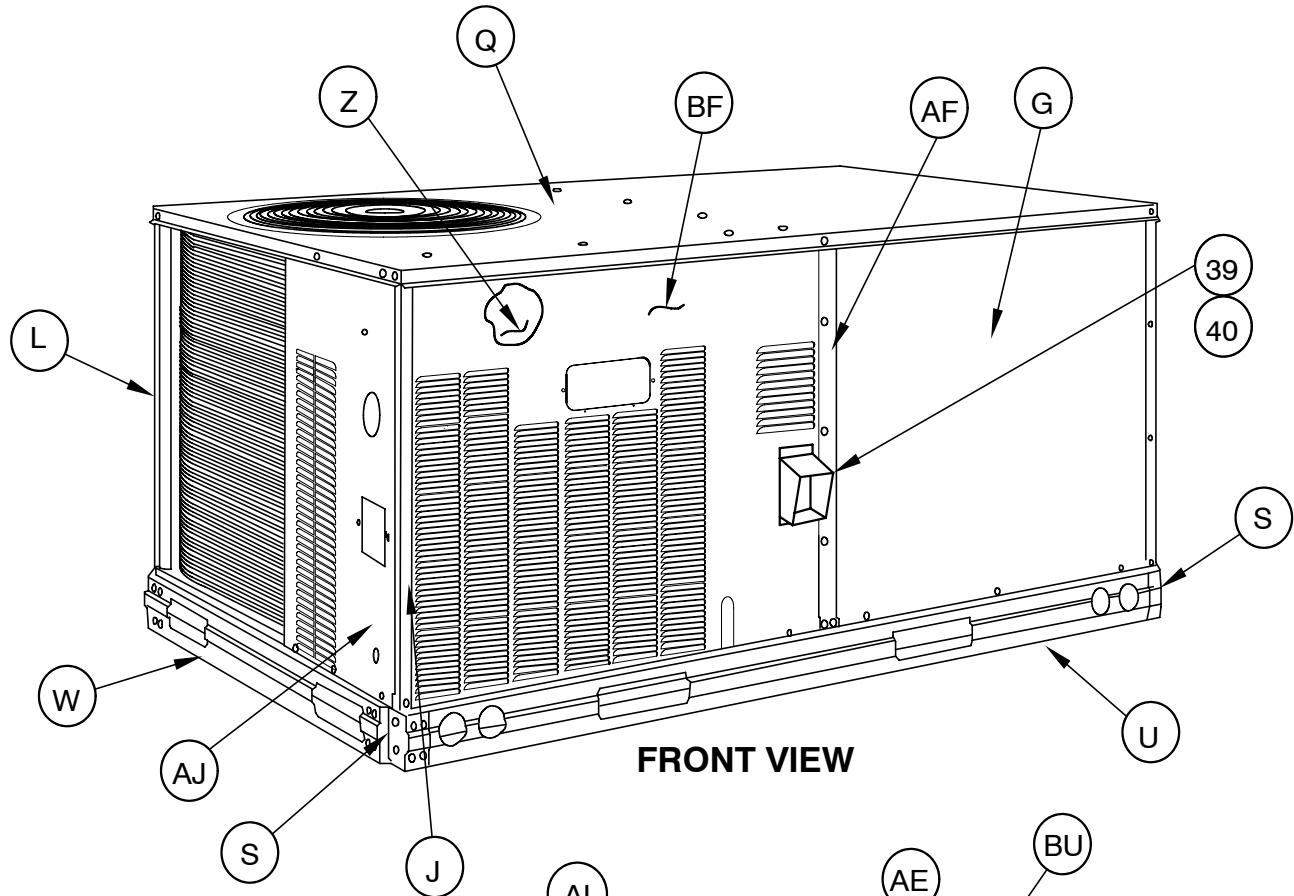
PGS072 PARTS LIST					
KEY NO.	DESCRIPTION	FAST PARTS NO.	PGS072H000AA	PGS072L000AA	PGS072S000AA
01	CONTACTOR	1171554	1	1	1
02	TRANSFORMER	1173691	1	1	1
03	CAPACITOR	1171807	1	1	1
04	RELAY	1171809	1	1	1
05	TERMINAL BOARD	1171488	1	1	1
06	BLOWER ASY	1175283	1	1	1
07	BEARING	1175424	2	2	2
08	WHEEL,BLOWER	1175318	1	1	1
09	KEY	1175493	1	1	1
10	MOTOR,INDOOR	1175478	1	1	1
11	PULLEY,BLOWER	1175314	1	1	1
12	PULLEY,MOTOR	1175494	1	1	1
13	BELT	1170556	1	1	1
14	COIL ASY COND (FORMED)	1175247	1	1	1
15	COIL ASY EVAP	1175251	1	1	1
16	CONDUIT	1171428	1	1	1
17	FILTER	1175312	2	2	2
18	MOTOR,OUTDOOR	1171335	1	1	1
19	PROPELLER,FAN	1171220	1	1	1
20	SWITCH,LIMIT	1175306	1	1	1
21	COMP SRY752AC	1172107	1	1	1
22	SWITCH,THERMAL	1171252	1	1	1
23	CONTROL BOARD	1171166	1	1	1
24	HEAT EXCHANGER	1175236	1	1	1
25	BURNER ASY	1175239	1	1	1
26	MANIFOLD ASY	1175234	1	1	1
27	BURNER ASY	1171087	1	1	1
28	BURNER ASY	1171095	2	2	2
29	SENSOR	1171449	1	1	1
30	IGNITER ASY	1171306	1	1	1
31	VALVE,GAS	1175302	1	1	1
32	SPUD,ORIFICE	1171461	3	3	3
33	MOTOR ASY	1171314	1	1	1
34	HOUSING ASY	1171450	1	1	1
35	MOTOR	1171348	1	1	1
36	PROPELLER,FAN	1171222	1	1	1
37	WHEEL,BLOWER	1171049	1	1	1
38	GASKET	1175268	1	1	1
39	CAP,WIND	1171518	1	1	1
40	ROD,BAFFLE	1171441	1	1	1
41	REGULATOR	1175288	1	1	1
42	BAFFLE,HEAT	1175290	1	1	1
43	INSULATION ASY	1175237	1	1	1
44	CAPACITOR	1175500	1	1	1
45	BOOT,PROTECTIVE	1171842	1	1	1
46	SWITCH,ROLLOUT	1171325	1	1	1
47	DRIER,FILTER	1175499	1	1	1
52	SWITCH,PRESSURE	1171553	1	1	1
53	SWITCH,PRESSURE	1171412	1	1	1

PGS072 PARTS LIST (continued)					
KEY NO.	DESCRIPTION	FAST PARTS NO.	PGS072H000AA	PGS072L000AA	PGS072S000AA
A	SCROLL,FAN	1175260	1	1	1
B	STRAP,CAPACITOR	1171552	2	2	2
C	CONTROL BOX	1175257	1	1	1
D	PLATE,WIRING	1171373	1	1	1
E	SUPPORT BRACKET	1175483	1	1	1
F	BRACKET ASY	1175423	2	2	2
G	PANEL ASY	1175229	1	1	1
H	INSULATION ASY	1175230	2	2	2
J	POST,CORNER	1175255	1	1	1
K	PAN ASY	1175243	1	1	1
L	POST,CORNER	1175256	1	1	1
M	DECK,FAN	1175259	1	1	1
N	BRACKET	1171070	1	1	1
P	PLATE,MOUNTING	1175270	1	1	1
Q	COVER ASY	1175280	1	1	1
R	BASE PAN ASY	1175231	1	1	1
S	BRACKET,BASE	1171071	2	2	2
T	GUARD,BASERAIL	1175263	1	1	1
U	RAIL,BASE	1175265	1	1	1
V	RAIL,BASE	1175266	1	1	1
W	RAIL,BASE	1175279	1	1	1
X	PLATE,BLOCKOFF	1175294	1	1	1
Y	GRILLE,OUTLET	1171267	1	1	1
Z	COVER,CONTROL	1171169	1	1	1
AA	PANEL,ACCESS	1175295	1	1	1
AB	PANEL ASY	1175226	1	1	1
AC	COVER ASY	1175227	1	1	1
AD	COVER,ASY	1175228	1	1	1
AE	PANEL,ACCESS	1175293	1	1	1
AF	POST,CENTER	1175269	1	1	1
AG	PARTITION,GAS	1175292	1	1	1
AH	BRACKET,INDOOR	1175262	1	1	1
AJ	PANEL,OUTDOOR	1175277	1	1	1
AK	GROMMET	1171270	4	4	4
AL	PANEL,ASSY DOOR	1175241	1	1	1
AM	PANEL ASY	1175242	1	1	1
AN	SUPPORT,BURNER	1175296	1	1	1
AP	GUARD	1171271	1	1	1
BA	INSULATION	1175272	1	1	1
BA	INSULATION	1171317	1	1	1
BB	HOUSING,FAN	1171301	1	1	1
BC	CHANNEL,MOTOR	1171112	1	1	1
BD	RETAINER	1175287	1	1	1
BE	BRACKET,SUPPORT	1175291	1	1	1
BF	PANEL,ACCESS	1175276	1	1	1
BK	POST, CENTER	1175254	1	1	1
BL	FRAME ASY	1175238	1	1	1
BM	BASE PAN ASY	1175232	1	1	1
BN	ANGLE,BLOCKOFF	1175267	1	1	1

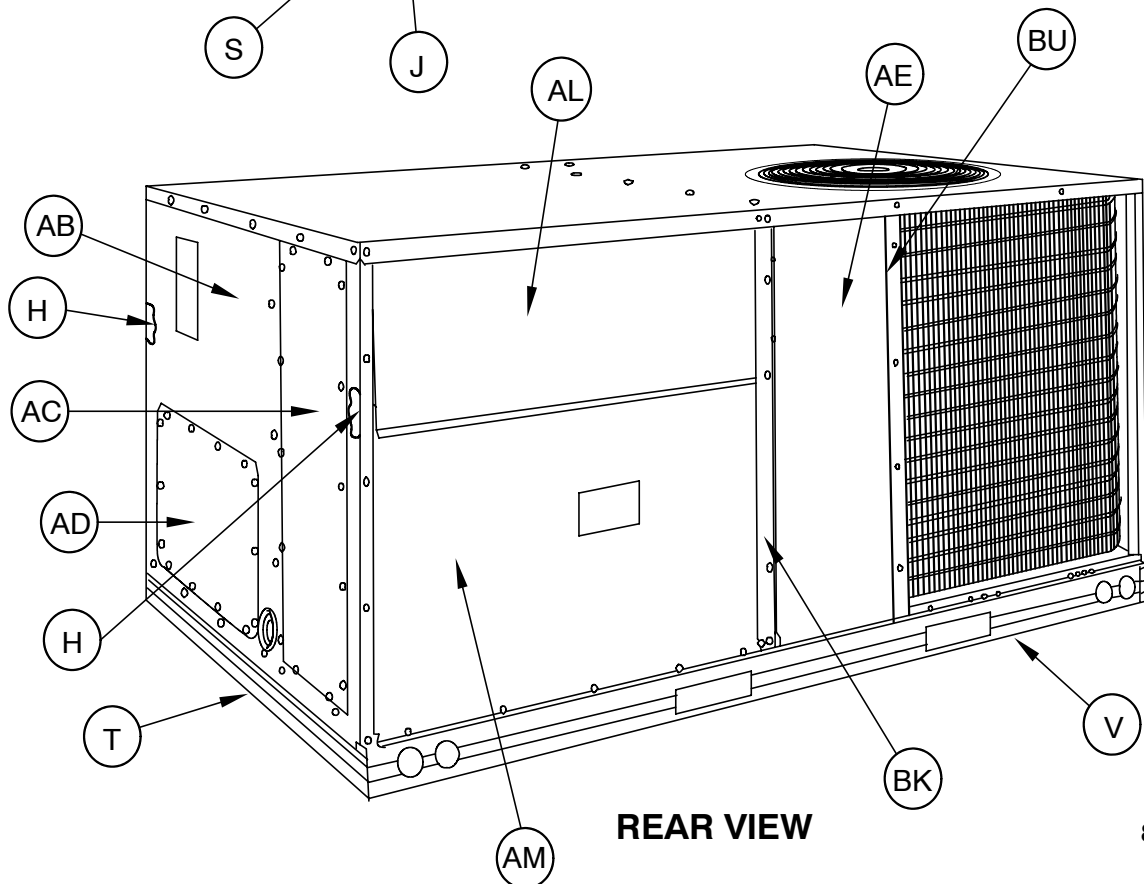
PGS072 PARTS LIST (continued)					
KEY NO.	DESCRIPTION	FAST PARTS NO.	PGS072H000AA	PGS072L000AA	PGS072S000AA
BP	PLATE ASY, MTR MTG	1175664	1	1	1
BS	COVER ASY	1175233	1	1	1
BT	SUPPORT,HEAT	1175258	1	1	1
PARTS NOT SHOWN					
)(	KIT,WIRING	1175246	1	1	1
)(	WIRE	1175498	3	3	3
)(	PLUG,WIRING ASY	1172171	1	1	1
)(	HARNESS ASY	1175244	1	1	1
)(	PLUG,WIRING ASY	1175284	1	1	1
)(	HARNESS ASY	1175281	1	1	1
)(	HARNESS ASY	1175663	1	1	1
)(	PLUG ASY	1171405	1	1	1

PGS072 6 Ton

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



FRONT VIEW

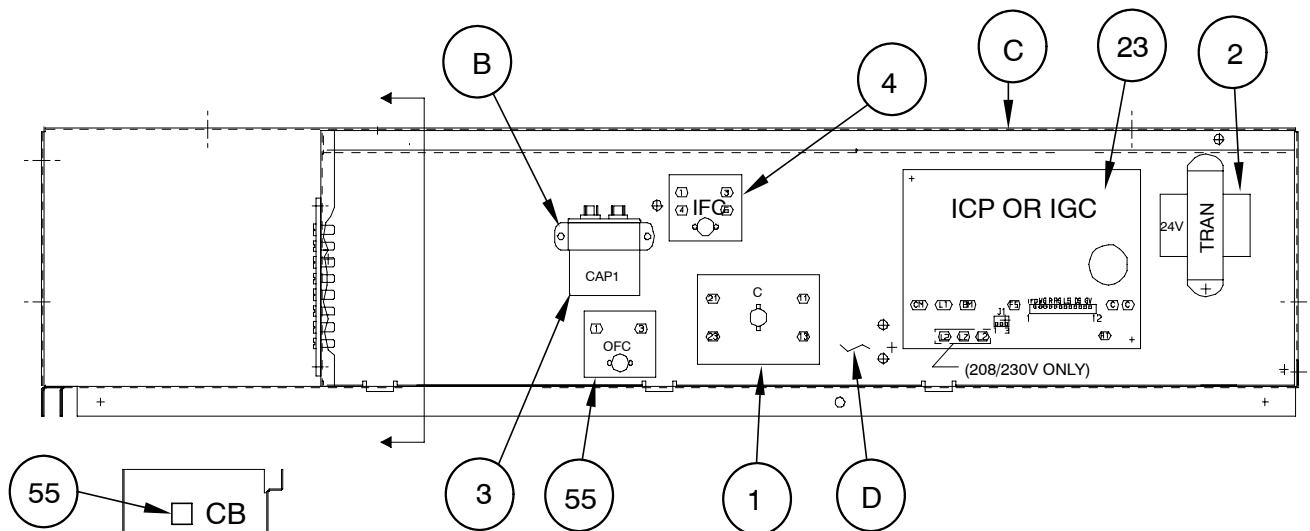


REAR VIEW

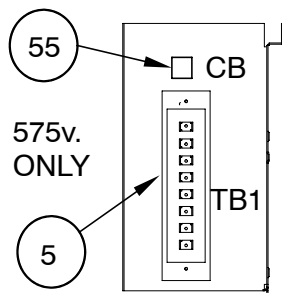
80-50-53

PGS072 6 Ton

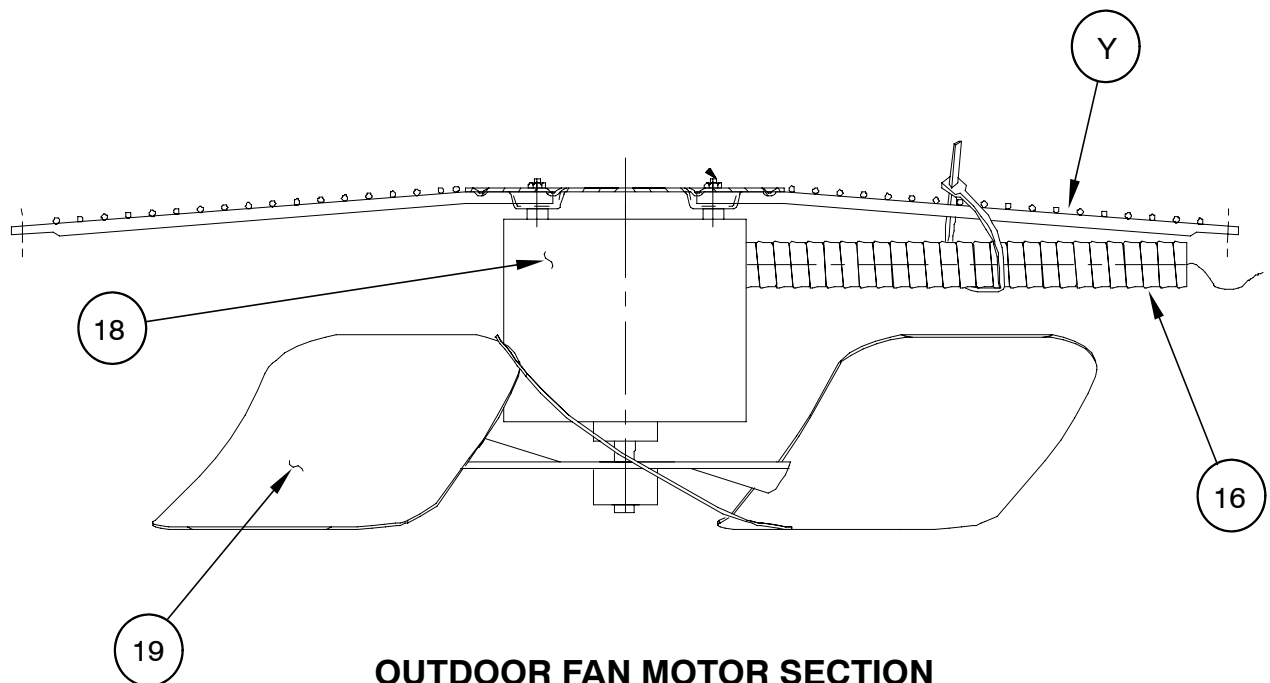
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CONTROL BOX ASY.

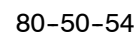


VIEW C-C



OUTDOOR FAN MOTOR SECTION

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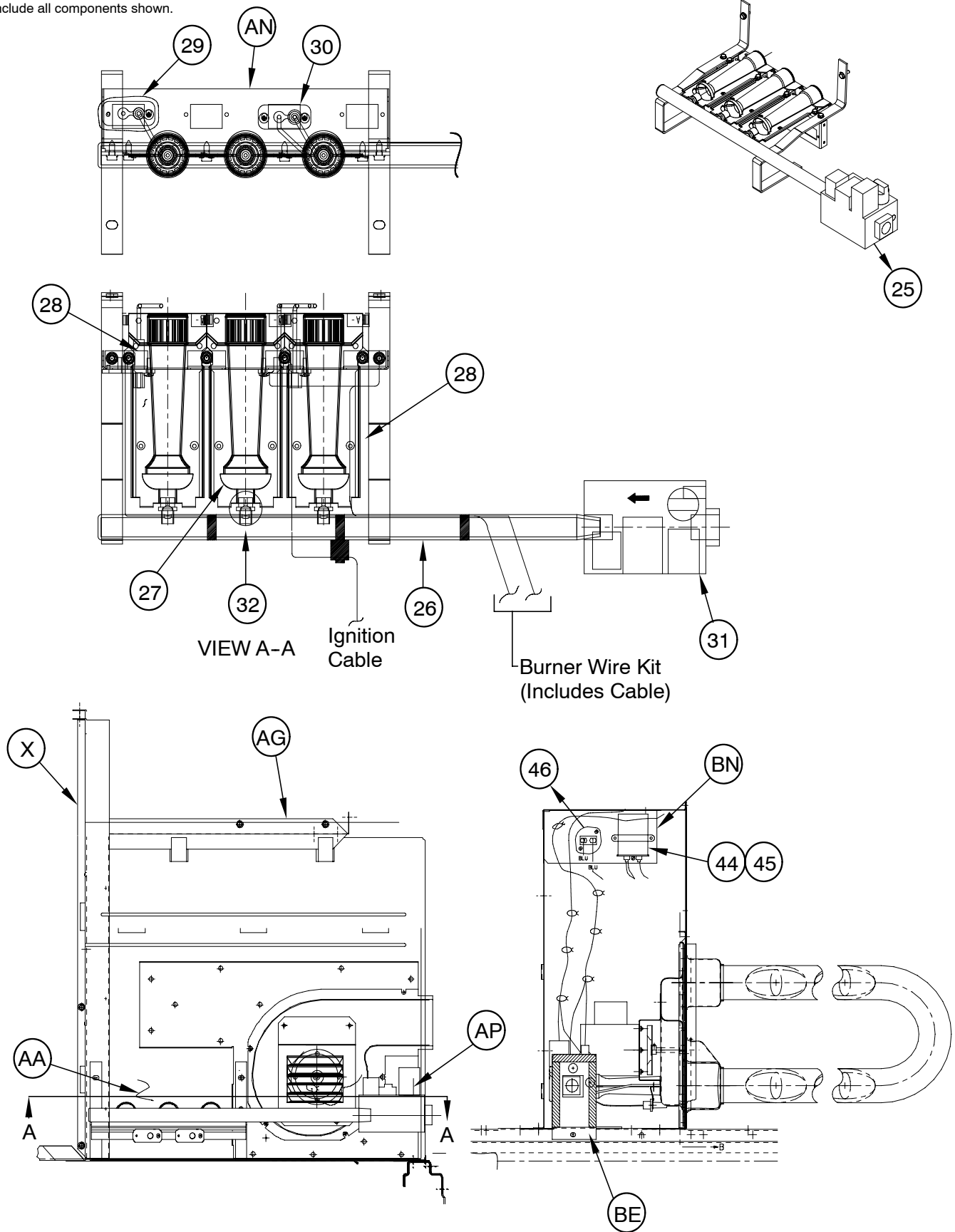
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509 04 1902 00

PGS072 6 Ton

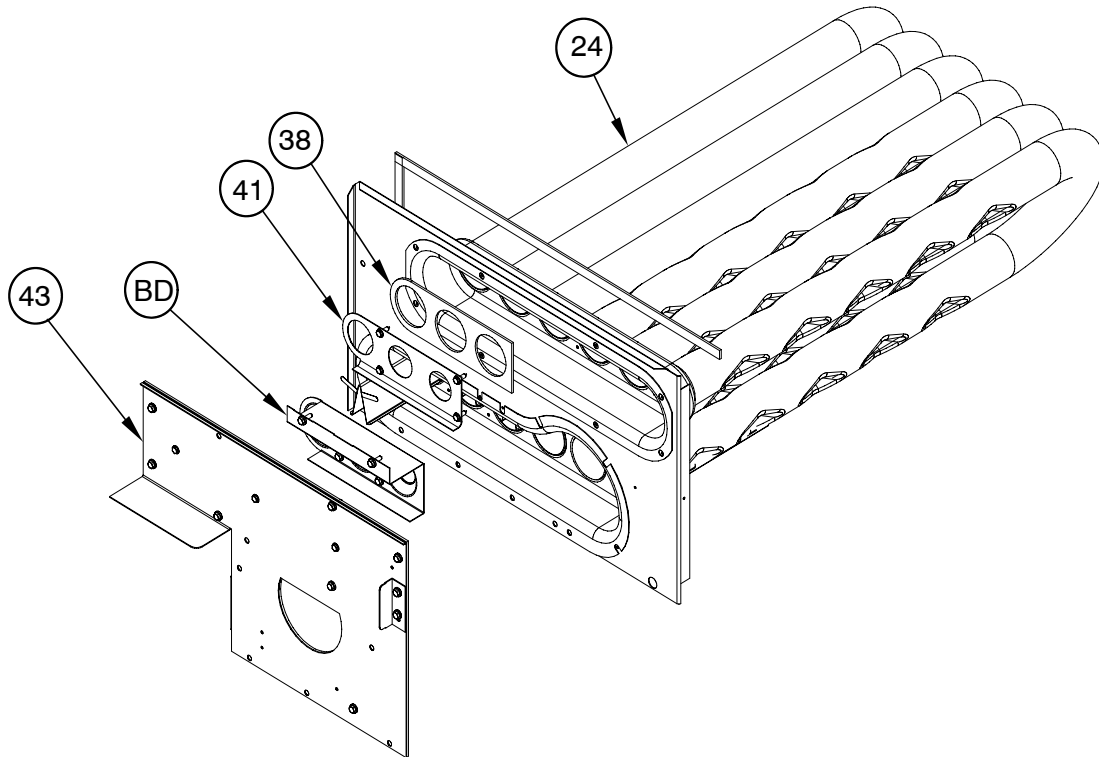
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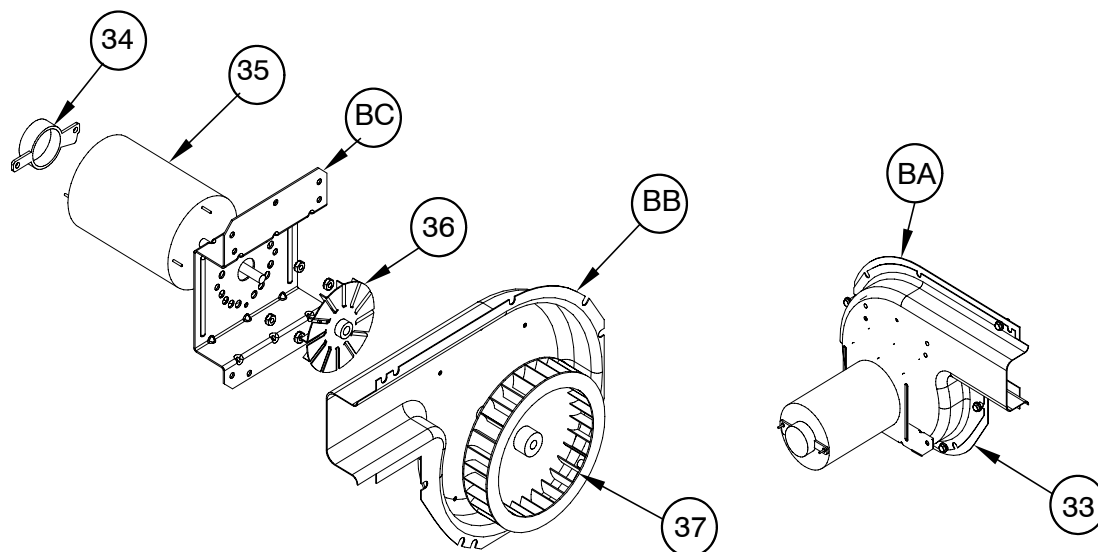
80-50-58

PGS072 6 Ton

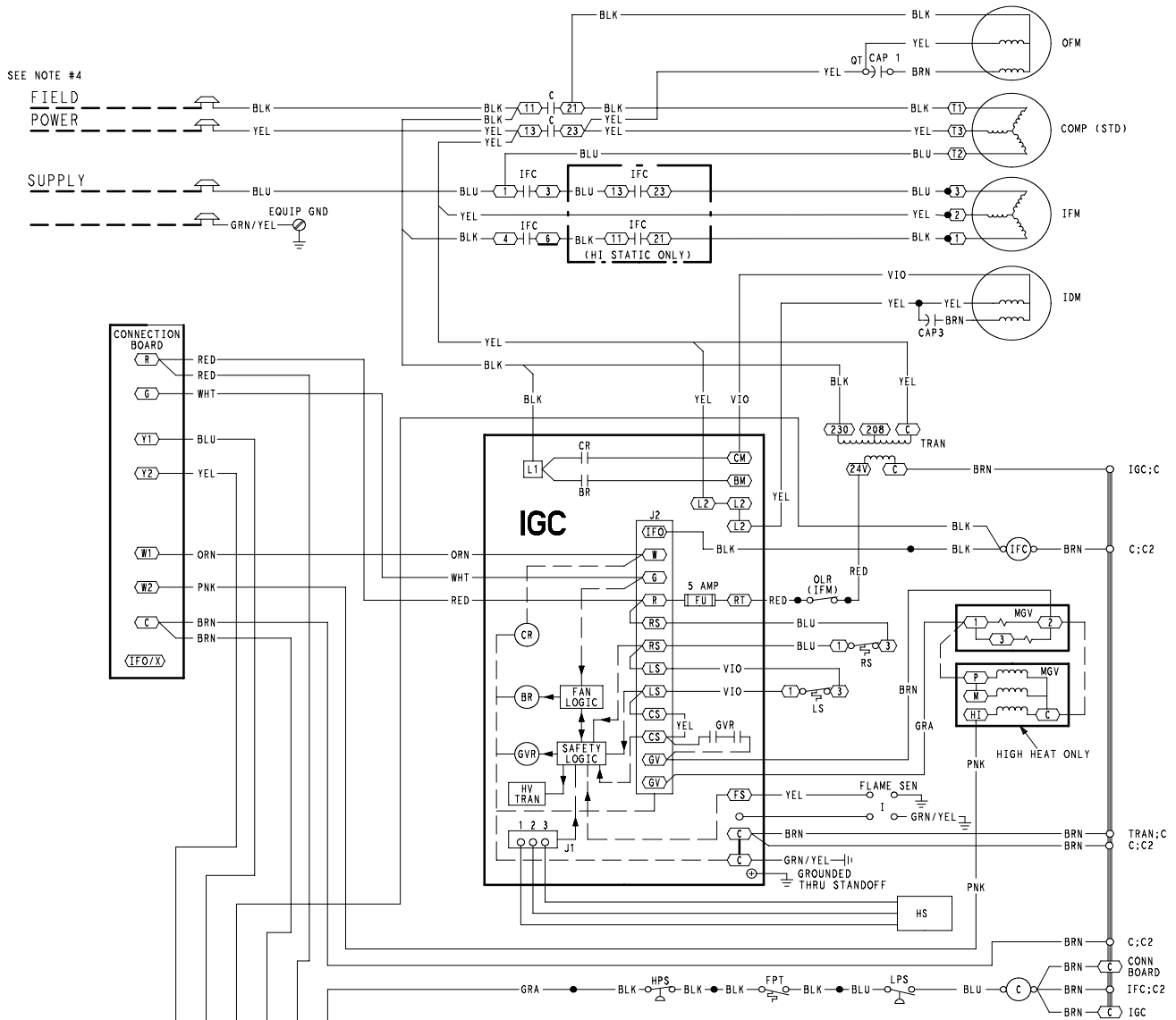
NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



HEAT EXCHANGER

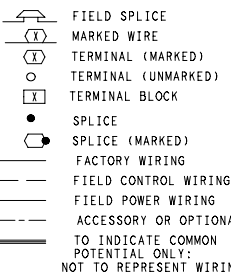


INDUCED DRAFT MOTOR



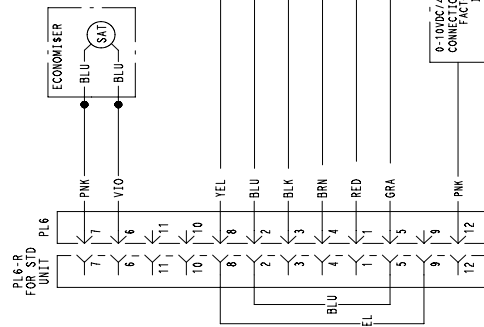
- NOTES
1. IF ANY OF THE ORIGINAL WIRE FURNISHED MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE 90 C WIRE OR ITS EQUIVALENT.
 2. COMPRESSOR AND FAN MOTORS ARE THERMALLY PROTECTED. THREE PHASE MOTORS ARE PROTECTED AGAINST PRIMARY SINGLE PHASING CONDITIONS.
 3. TRAN IS WIRED FOR 230V UNIT. IF UNIT IS TO BE RUN WITH 208V POWER SUPPLY DISCONNECT BLK WIRE FROM 230V PAT (ORN) AND CONNECT TO 208V PAT (RED). INSULATE END OF 230V WIRE.
 4. USE COPPER CONDUCTORS ONLY.

LEGEND

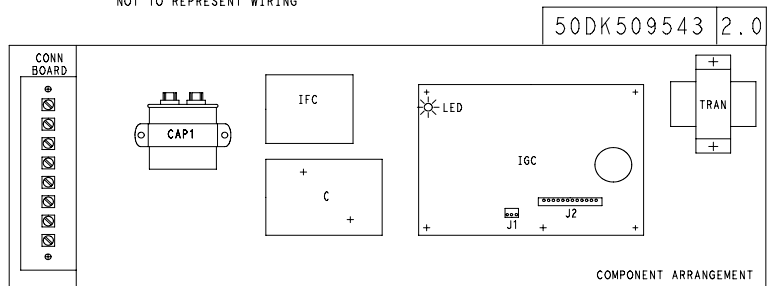


TO INDICATE COMMON
POTENTIAL ONLY:
NOT TO REPRESENT WIRING

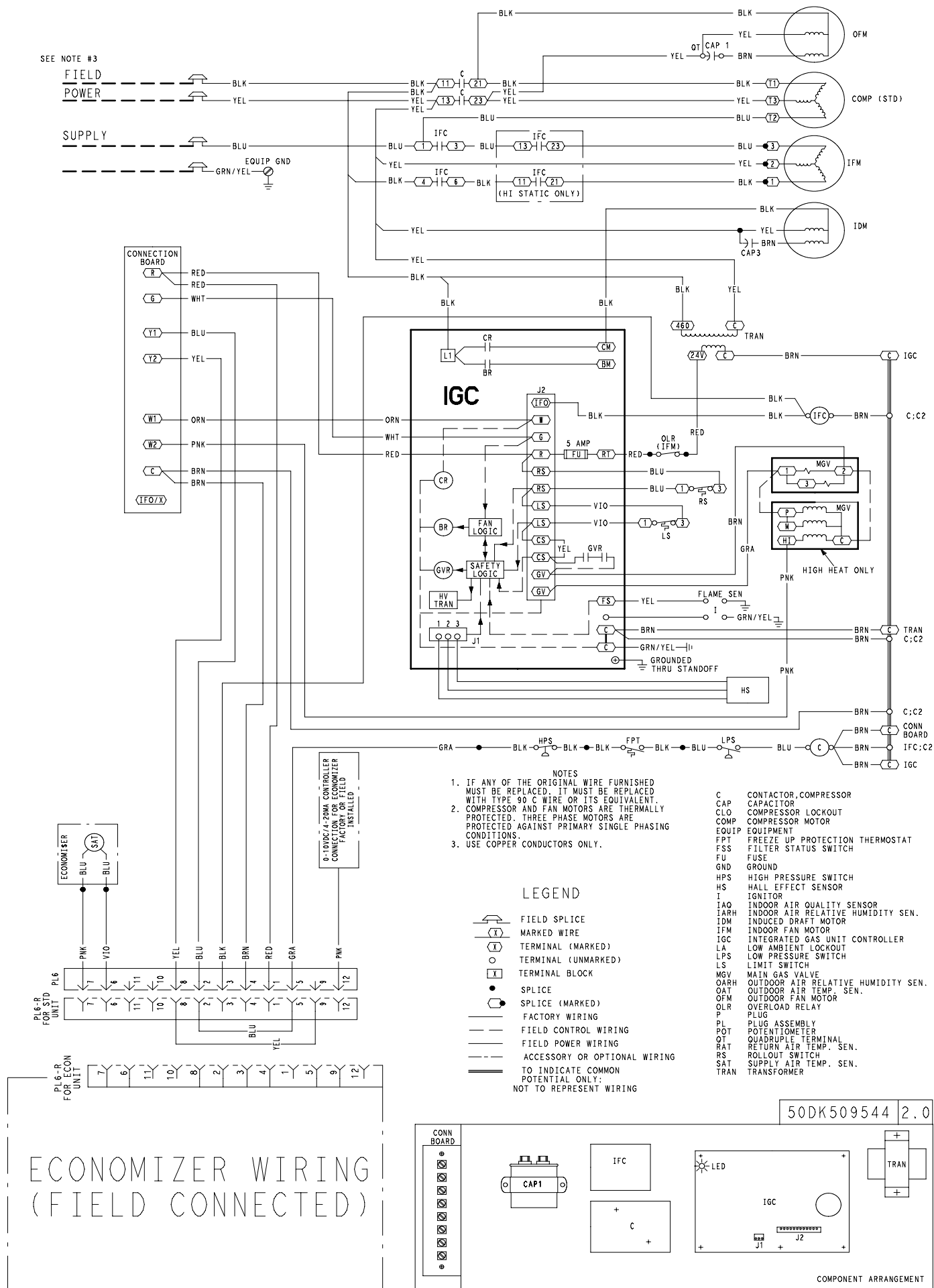
C	CONTACTOR, COMPRESSOR
CAP	CAPACITOR
CLO	COMPRESSOR LOCKOUT
COMP	COMPRESSOR MOTOR
EQUIP	EQUIPMENT
FPT	FREEZE UP PROTECTION THERMOSTAT
FSS	FILTER STATUS SWITCH
FU	FUSE
GND	GROUND
HPS	HIGH PRESSURE SWITCH
HHS	HALL EFFECT SENSOR
IGN	IGNITOR
IAQ	INDOOR AIR QUALITY SENSOR
IARH	INDOOR AIR RELATIVE HUMIDITY SEN.
IDM	INDUCED DRAFT MOTOR
IFM	INDOOR FAN MOTOR
IGC	INTEGRATED GAS UNIT CONTROLLER
LA	LOW AMBIENT LOCKOUT
LPS	LOW PRESSURE SWITCH
LS	LIMIT SWITCH
MGV	MAIN GAS VALVE
OARH	OUTDOOR AIR RELATIVE HUMIDITY SEN.
OAT	OUTDOOR AIR TEMP. SEN.
OFM	OUTDOOR FAN MOTOR
OLR	OVERLOAD RELAY
P	PLUG
PL	PLUG ASSEMBLY
POT	POTENTIOMETER
QT	QUADRUPEL TERMINAL
RAT	RETURN AIR TEMP. SEN.
RS	ROLLOUT SWITCH
SAT	SUPPLY AIR TEMP. SEN.
TRAN	TRANSFORMER



ECONOMIZER WIRING (FIELD CONNECTED)



PGS072 460 - 3 - 60

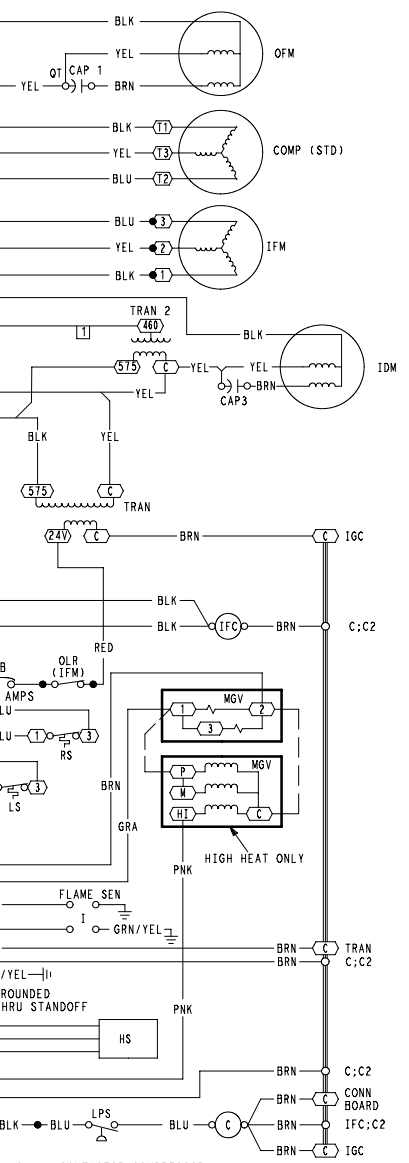
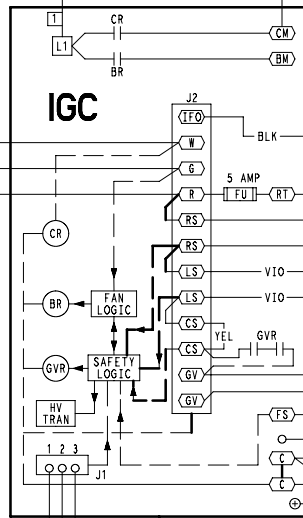
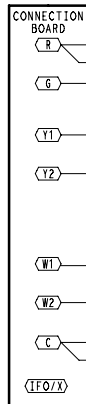


SEE NOTE #3

FIELD
POWER

SUPPLY

EQUIP GND

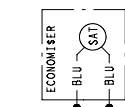


- NOTES
1. IF ANY OF THE ORIGINAL WIRE FURNISHED MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE 90 C WIRE OR ITS EQUIVALENT.
 2. COMPRESSOR AND FAN MOTORS ARE THERMALLY PROTECTED, THREE PHASE MOTORS ARE PROTECTED AGAINST PRIMARY SINGLE PHASING CONDITIONS.
 3. USE COPPER CONDUCTOR ONLY.

LEGEND

- FIELD SPICE
- MARKED WIRE
- TERMINAL (MARKED)
- TERMINAL (UNMARKED)
- TERMINAL BLOCK
- SPLICE
- SPLICE (MARKED)
- FACTORY WIRING
- FIELD CONTROL WIRING
- FIELD POWER WIRING
- ACCESSORY OR OPTIONAL WIRING
- TO INDICATE COMMON POTENTIAL ONLY:
- NOT TO REPRESENT WIRING

- C CONTACTOR, COMPRESSOR
- CAP CAPACITOR LOCKOUT
- COMP COMPRESSOR MOTOR
- EQUIP EQUIPMENT
- FPT FREEZE UP PROTECTION THERMOSTAT
- FSS FILTER STATUS SWITCH
- FU FUSE
- GND GROUND
- HPS HIGH PRESSURE SWITCH
- HS HALL EFFECT SENSOR
- I IGNITOR
- IAQ INDOOR AIR QUALITY SENSOR
- IARH INDOOR AIR RELATIVE HUMIDITY SEN.
- IDM INDUCED DRAFT MOTOR
- IFM INDOOR FAN MOTOR
- IGC INTEGRATED GAS UNIT CONTROLLER
- LA LOW AMBIENT LOCKOUT
- LPS LOW PRESSURE SWITCH
- LS LIMIT SWITCH
- MGV MAIN GAS VALVE
- OARH OUTDOOR AIR RELATIVE HUMIDITY SEN.
- OAT OUTDOOR AIR TEMP. SEN.
- OAFM OUTDOOR FAN MOTOR
- OLR OVERLOAD RELAY
- P PLUG ASSEMBLY
- PL PLUG
- POT POTENTIOMETER
- QT RETURN AIR TEMP. SEN.
- RAT ROLLOUT SWITCH
- RS SUPPLY AIR TEMP. SEN.
- SAT TRANSFORMER
- TRAN



0-10VDC/4-20MA CONTROLLER
CONNECTION FOR ECONOMIZER
FACTORY WIRING

PL6-R
FOR STD
UNIT

PL6-R
FOR CON
UNIT

ECONOMIZER WIRING
(FIELD CONNECTED)

