WIRING DIAGRAMS

FIG.	FIELD INSTALLED HEATER MODEL	FB4C	FE4A FE5A	FH4C	FV4C	FX4D	FY5B	PF4MA	PF4MB	LABEL
1	KFCEH0401N03	18,24		001		19,25	18,24	18,19,24,25		328613-101
1	KFCEH0501N05	18-60	002-006	001-002	002-006	19-61	18-60	18-61	19-61	328613-101
1	KFCEH0801N08	18-60	002-006	001-003	002-006	19-61	18-60	1861	19-61	328613-101
1	KFCEH0901N10	18-60	002-006	001-004	002-006	19-61	18-60	1861	19-61	328613-101
5	KFCEH1601315	42-60	002-006	001-004	002-006	43-61	18-60	18-61	19-61	328614-101
6	KFCEH2001318	42-60	003-006	001-004	002-006	43-61	42-60	42-61	37-61	328615-101
1	KFCEH2401C05	18-60	002-006	001-002	002-006	19-61	18-60	1861	19-61	328613-101
1	KFCEH2501C08	18-60	002-006	001-003	002-006	19-61	18-60	1861	19-61	328613-101
1	KFCEH2601C10	18-60	002-006	001-004	002-006	19-61	18-60	18-61	19-61	328613-101
2	KFCEH2901N09	36-60	002-006	003-004	002-006	37-61	36-60	36-60	31-61	328606-101
3	KFCEH3001F15	24-60	002-006	001-004	002-006	25-61	24-60	24-61	19-61	328605-101
3	KFCEH3101C15	24-60	002-006	001-004	002-006	25-61	24-60	24-61	19-61	328605-101
4	KFCEH3201F20	30-60	002-006	002-004	002-006	31-61	30-60	30-61	19-61	328604-101
4	KFCEH3301C20	30-60	002-006	002-004	002-006	31-61	30-60	30-61	19-61	328604-101
7,8	KFCEH3401F24	48,60	004-006	003-004	005-006	49-61	48-60	48-61	49-61	328602-101, 328603-101
7,8	KFCEH3501F30	48,60	004-006	003-004	005-006	49-61	48-60	48-61	49-61	328602-101, 328603-101

FIG.	FIELD INSTALLED HEATER MODEL	FY5B	LABEL
9	MKFCEH0501N05	18,24	328205-101
9	MKFCEH0801N08	18,30	328205-101
9	MKFCEH0901N10	24-48	328205-101
10	MKFCEH3001F15	36-60	328206-101

FAN COIL WITH RBC X-13 MOTOR

FIG.	FIELD INSTALLED HEATER MODEL	FB4C	FX4D	LABEL
11	MKFCEH0501N05	18,24	19,25	335975 – 101
11	MKFCEH0801N08	18,30	31	335975 – 101
11	MKFCEH0901N10	24-48	37-61	335975 – 101
12	MKFCEH3001F15	36-60	61	336923 - 101

FAN COIL WITH BROAD OCEAN DIGI-MOTOR

FIG.	FIELD INSTALLED HEATER MODEL	FB4C	FX4D	LABEL
13	MKFCEH0501N05	24		337518-101
13	MKFCEH0801N08	18,30	31	337518-101
13	MKFCEH0901N10	24-36	37-49	337518-101
14	MKFCEH3001F15	36		338001-101

FAN COIL WITH COOLING ONLY CONTROL

FIG.	MODEL	SIZE	LABEL
15	FV4C	002-006	326014-101
16	FE4A/FE5A	002-006	333107-101
17	FY5B/PF4MNA	18-60	328964-101
17	FH4C	001 – 004	328964-101
18	FB4C/FX4D (RBC)	18-61	336228-101
18	PF4MNA/B	19,25,31,37,43,49,61	336228-101
19	FB4C/FX4D (BOM)	18-61	337519-101

ELECTRIC HEATERS

FIG.	HEATER MODEL	FF1E	LABEL
20	KFDEH0801D05	18,24,30,36	324494-101
20	KFDEH0901D75	18,24,30,36	324494-101
20	KFDEH1001D11	18,24,30,36	324494-101
20	MKFDEH0801D05	18,24,30,36	324494-101
20	MKFDEH0901D75	18,24,30,36	324494-101
20	MKFDEH1001D11	18,24,30,36	324494-101
21	KFEEH0101D05	19,25,31,37	335826-101
21	KFEEH0201D75	19,25,31,37	335826-101
21	KFEEH0301D11	19,25,31,37	335826-101

FIG.	HEATER MODEL	FFMA	LABEL
22	EHK2-05B	18,24,30,36	NA
22	EHK2-08B	18,24,30,36	NA
22	EHK2-10B	18,24,30,36	NA

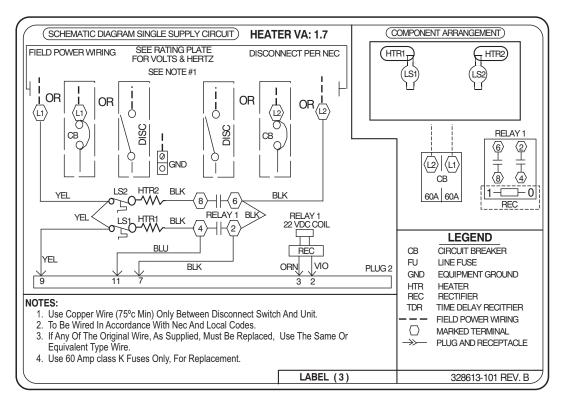


Fig. 1 - 328613-101

(SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT) **HEATER VA: 5.1** (COMPONENT ARRANGEMENT) FIELD POWER WIRING SEE RATING PLATE DISCONNECT PER NEC HTR1. , HTR3) HTR2) FOR VOLTS & HERTZ LS2) (LS1 LS3 **GND** SEE NOTE #1 (L1) **RELAY 1** RELAY 2 RELAY 2 ⟨६⟩ 2 6 2 YEL BLK IT ® <u></u> BLU YEL-T (8) $\langle 4 \rangle$ 4 RELAY 2 HTR2 BLU <u></u> □ 0 -||-(6) 1-8 □ 0 |1-[REC YEL REC RELAY 1 LS3 HTR3 BLÚ **FOR 3 PHASE WIRING** Ø Denotes wire to be moved for 3 phase RELAY 1 22 VDC COIL conversion. Dashed wire (- - -) indicates YEL REC BLU wiring after conversion. -BIK 1. Disconnect BLUE wire from limit switch **IDR** REC 3(LS3), cut, strip, and connect to field wire L3. RÉD BRN Disconnect YELLOW wire from LS1 and YEL BLU BLK ORN VIO ORN connect to LS3 ORN PLUG 2 Disconnect BLUE wire from relay 2 terminal 3. 2 and connect to LS1. NOTES: **LEGEND** 1. Use Copper Wire (75°c Min) Only Between Disconnect Switch GND **EQUIPMENT GROUND** REC RECITFIER And Unit. HTR FIELD POWER WIRING To Be Wired In Accordance With Nec And Local Codes. **HEATER** If Any Of The Original Wire, As Supplied, Must Be Replaced, IDR IDENTIFIER RESISTOR MARKED TERMINAL Use The Same Or Equivalent Type Wire. PLUG AND RECEPTACLE Use 60 Amp class K Fuses Only, For Replacement. LABEL (3) 328606-101 REV. B

Fig. 2 - 328606-101

A07002

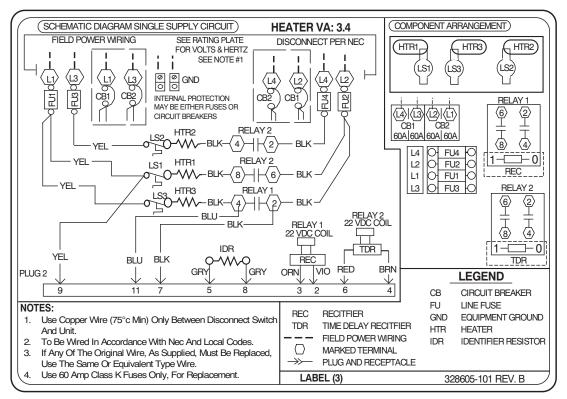


Fig. 3 - 328605-101

SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT **HEATER VA: 5.1** (COMPONENT ARRANGEMENT) FIELD POWER WIRING SEE RATING PLATE DISCONNECT PER NEC (HTR1, (HTR3) CHTR2 FOR VOLTS & HERTZ SEE NOTE #1 (LS2) FUB OE (1) (1) (1) (1) (1) (13) CB2 Ø GND FUZOR (12) CB1 (L4) (L4 FU4Q(CB2 INTERNAL PROTECTION MAY BE EITHER FUSES OR CIRCUIT BREAKERS RELAY 2 RELAY 3 YEL BLK BLk 2 $4H^2$ CB1 CB2 (P) LS2 HTR2 RELAY 2 60A 60A 60A 60A YEL LS2 意 YEL $\overline{4}$ O FU4 4HL4 RELAY 2 22 VDC COIL YEL LS1 HTR1 RELAY 2 L2 0 FU2 BI K <u>~~~</u> |1-(8) + (6)L1 Ю FU1 LS4 6 S4 HTR4 RELAY 1 FU3 BLK TDR YEL 4)H(2) RELAY 1 RELAY 3 RELAY 3 22 VDC COIL YEL @H 8 2 1 4 214 BLU 6 RFI AY 1 I B BLK 22 VDC COIL 뉘 BRN RED IDR REC REC - 0 <u>⊢0</u> **BRN** GRY BLU BLK BLU ORN REC BLU VIO PLUG 2 **LEGEND** 8 NOTES: IDR IDENTIFIER RESISTOR CB CIRCUIT BREAKER RECITFIER REC Use Copper Wire (75°c Min) Only Between Disconnect Switch FU LINE FUSE TDR TIME DELAY RECITFIER GND **EQUIPMENT GROUND** To Be Wired In Accordance With Nec And Local Codes. To Be Wired In Accordance With Nec And Local Codes. If Any Of The Original Wire, As Supplied, Must Be Replaced, Use The Same Or Equivalent Type Wire.

1 Phase Heaters Are Shown Wired For Single Supply Circuit. Use 60 Amp Class K Fuses Only, For Replacement. FIELD POWER WIRING HIGH VOLTAGE 3. H\/TR $\langle \rangle$ MARKED TERMINAL TERM. BLOCK $\rightarrow >$ 4. PLUG AND RECEPTACLE **HEATER** 328604-101 REV. A LABEL (3)

Fig. 4 - 328604-101

A07004

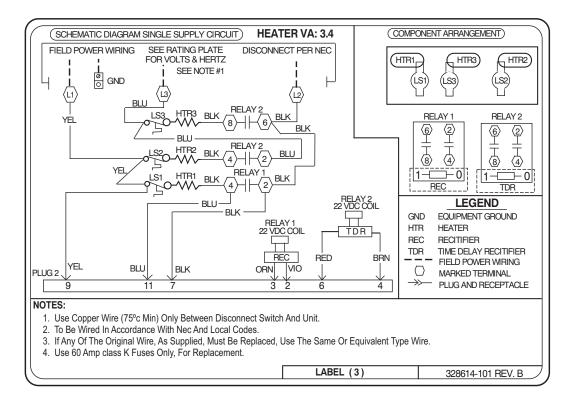


Fig. 5 - 328614-101

SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT **HEATER VA: 5.1** (COMPONENT ARRANGEMENT) (HTR4) (HTR3) (HTR2) SEE RATING PLATE HTR1) FIELD POWER WIRING I DISCONNECT PER NEC FOR VOLTS & HERTZ HVTB **GND** SEE NOTE #1 BLU $\langle L1 \rangle$ (HTR5) (HTR6) BIK YFI TDR **RELAY 1** RELAY 3 9 1 8 214 2 T/4 9 BLU TDR T ® HTR2 BLK 1.52 RELAY 1 22 VDC COIL {|**(**6) RED BRN RELAY 1 RFC BLK BLU TDR LEGEND REC BRN YEL GND **EQUIPMENT GROUND** VIO GRY ORN BLU BLK PLUG 2 **HVTB** HIGH VOLTAGE TERM. BLOCK 11 HTR **HEATER** NOTES: RFC RECITFIER 1. Use Copper Wire (75°c Min) Only Between Disconnect Switch And Unit. TIME DELAY RECITFIER **TDR** To Be Wired In Accordance With Nec And Local Codes. FIELD POWER WIRING If Any Of The Original Wire, As Supplied, Must Be Replaced, MARKED TERMINAL Use The Same Or Equivalent Type Wire. PLUG AND RECEPTACLE 1 Phase Heaters Are Shown Wired For Single Supply Circuit. Use 60 Amp Class K Fuses Only, For Replacement. LABEL (3) 328615-101 REV. A

Fig. 6 - 328615-101

A07006

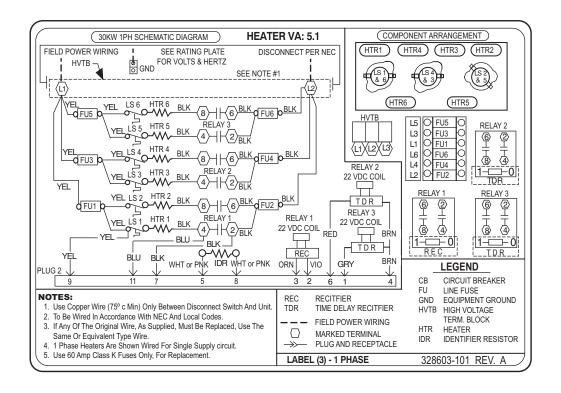


Fig. 7 - 328603-101

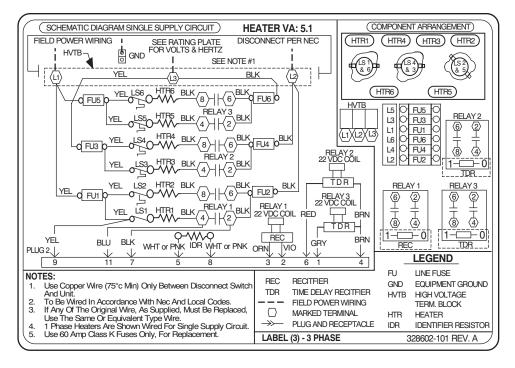


Fig. 8 - 328602-101

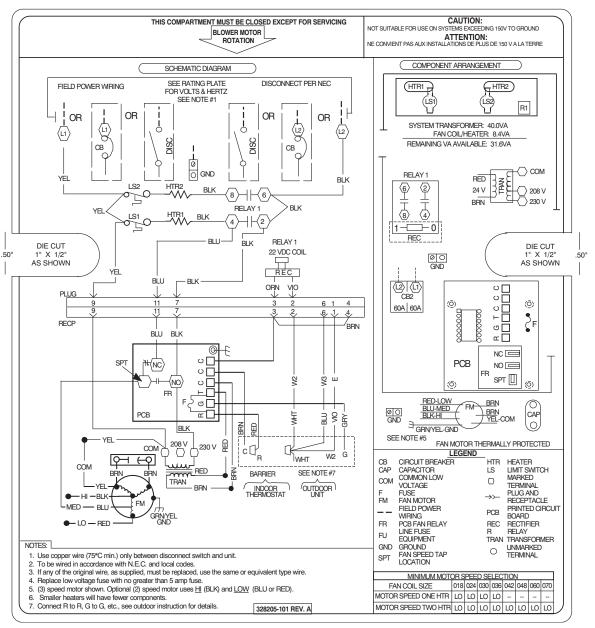


Fig. 9 - 328205-101

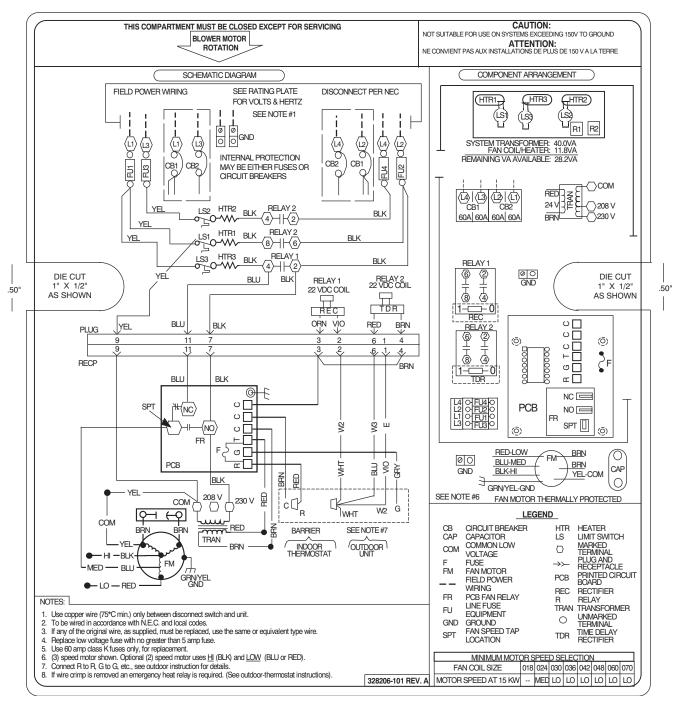


Fig. 10 - 328206-101

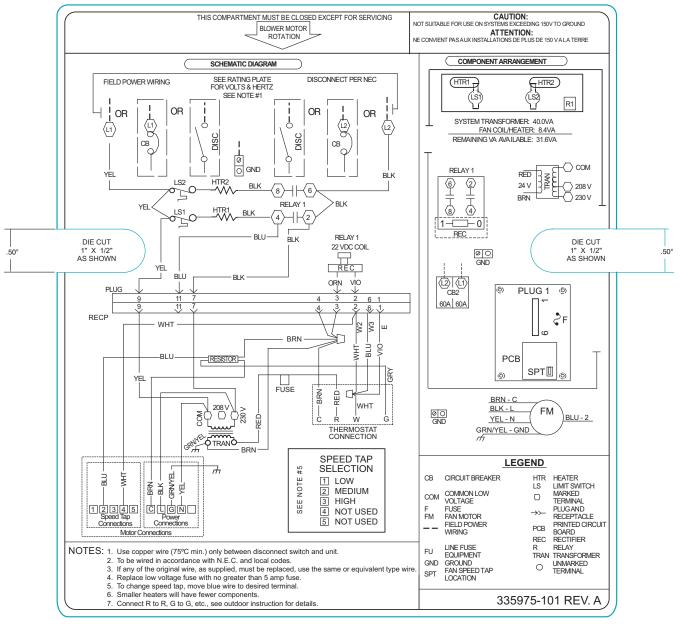


Fig. 11 - 335975-101

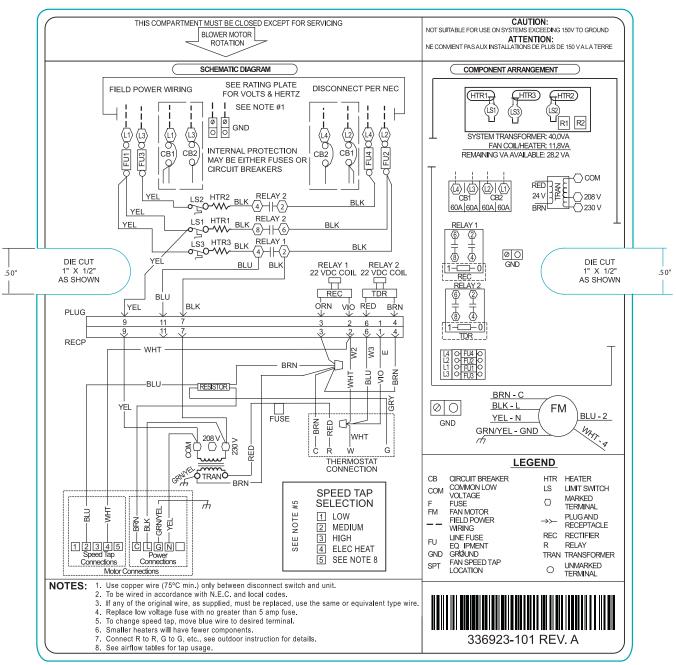


Fig. 12 - 336923-101

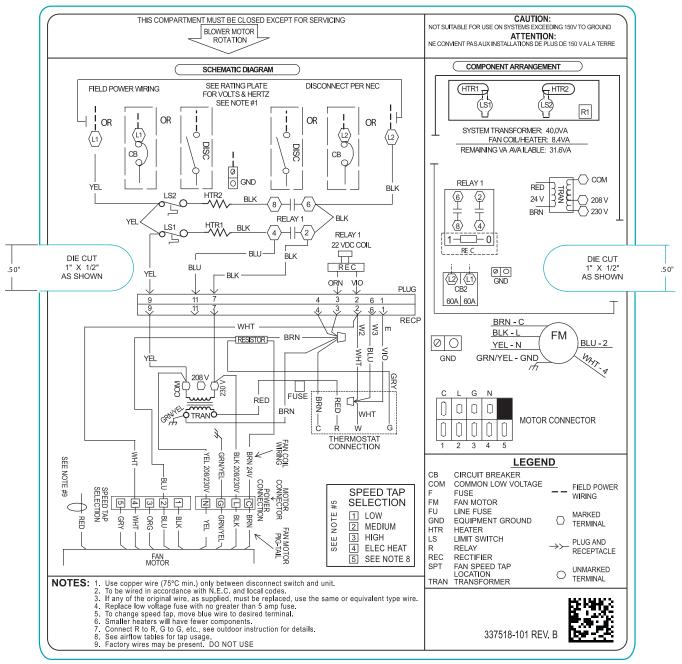


Fig. 13 - 337518-101

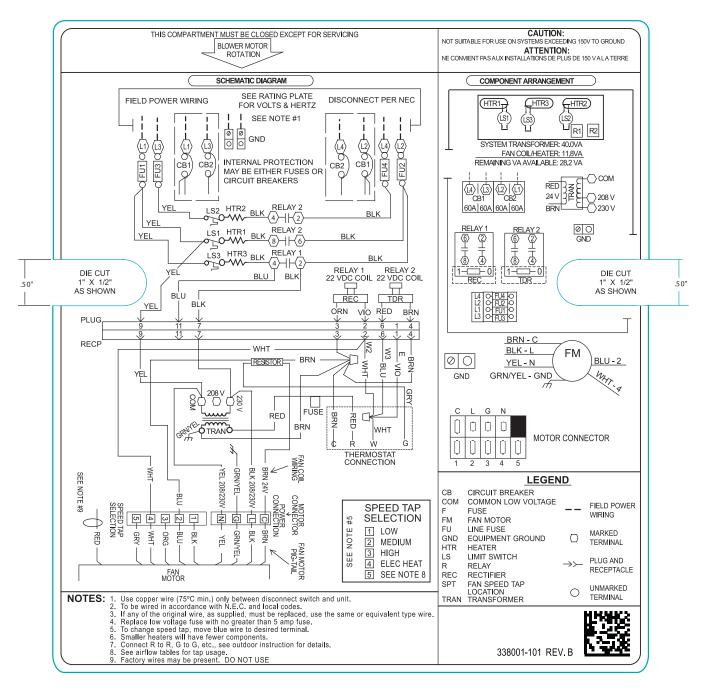


Fig. 14 - 338001-101

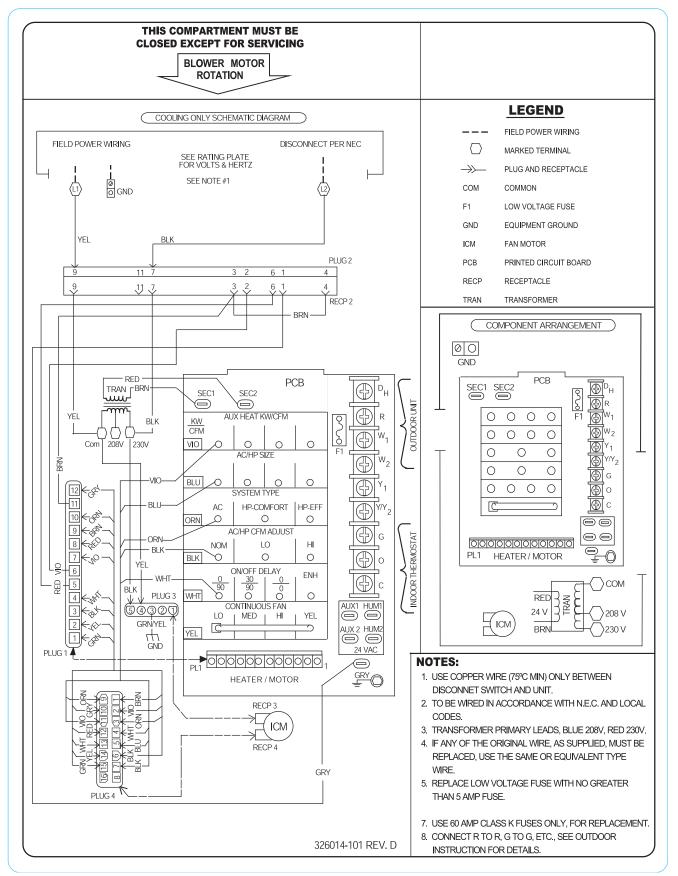


Fig. 15 - 326014-101

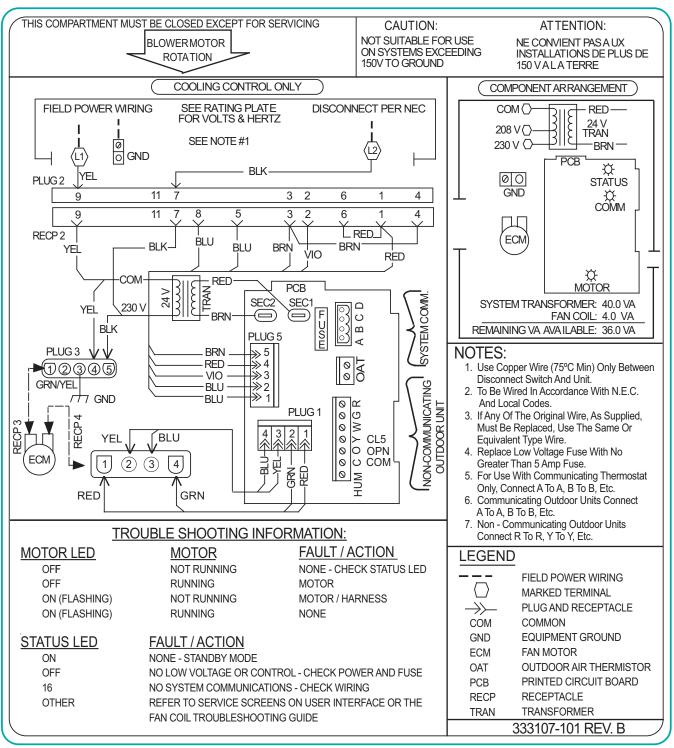


Fig. 16 - 333107-101

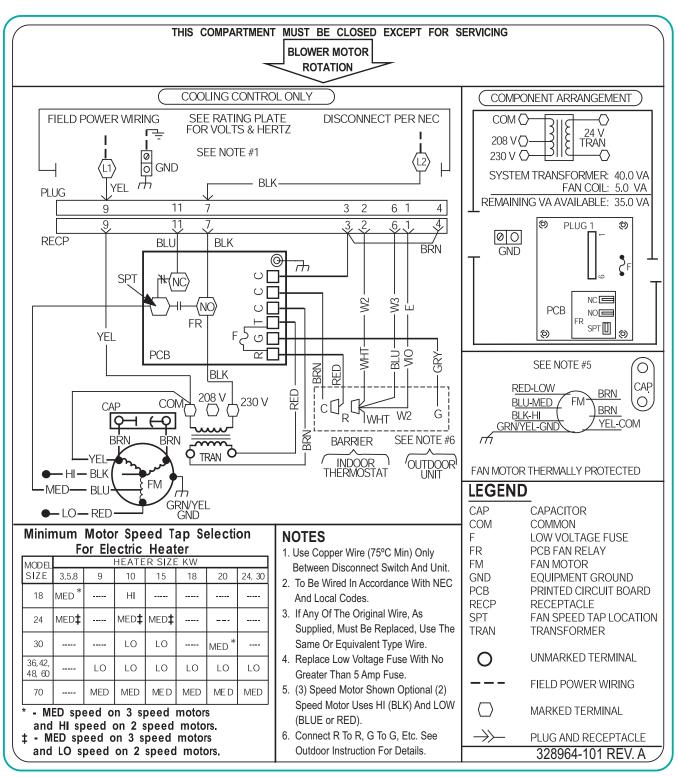
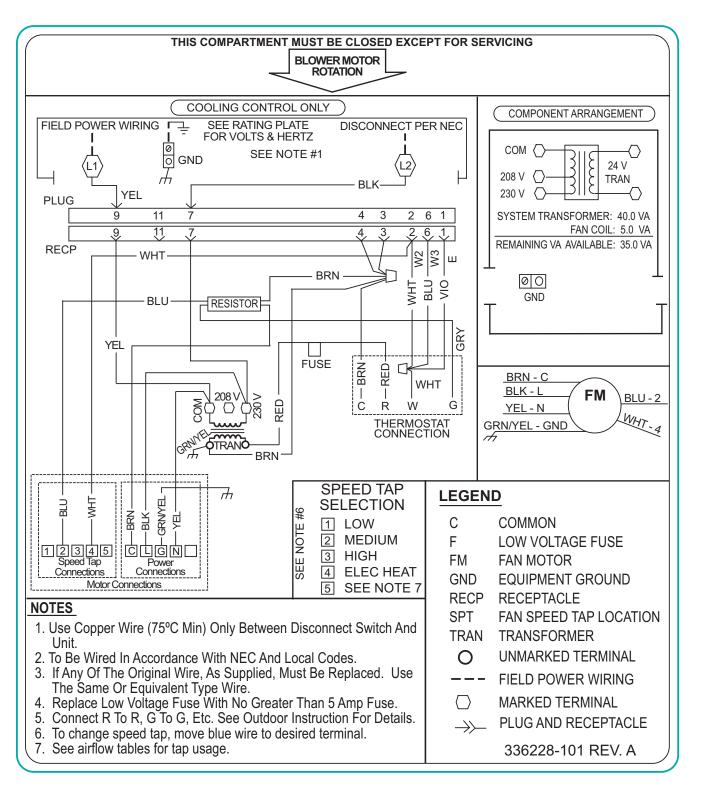
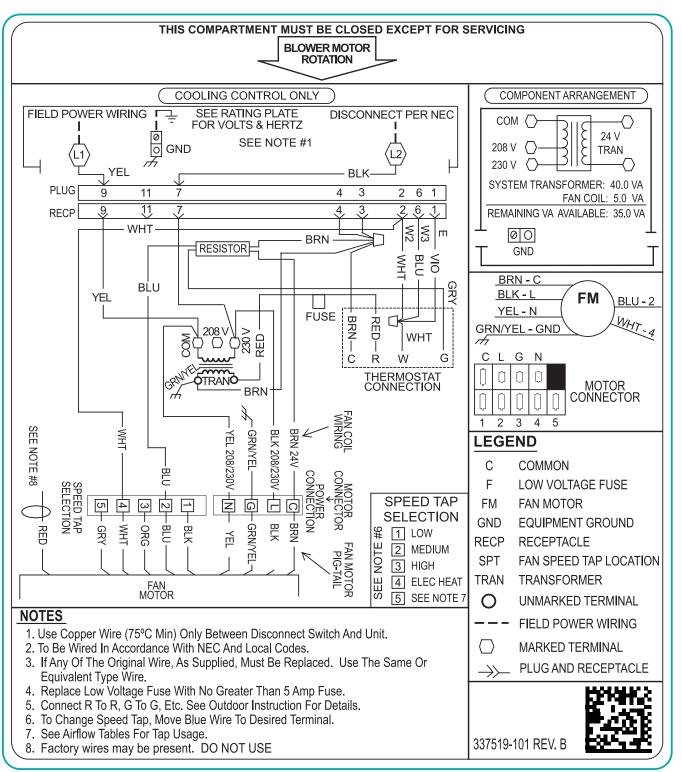


Fig. 17 - 328964-101



A12364

Fig. 18 - 336228-101



A12365

Fig. 19 - 337519-101

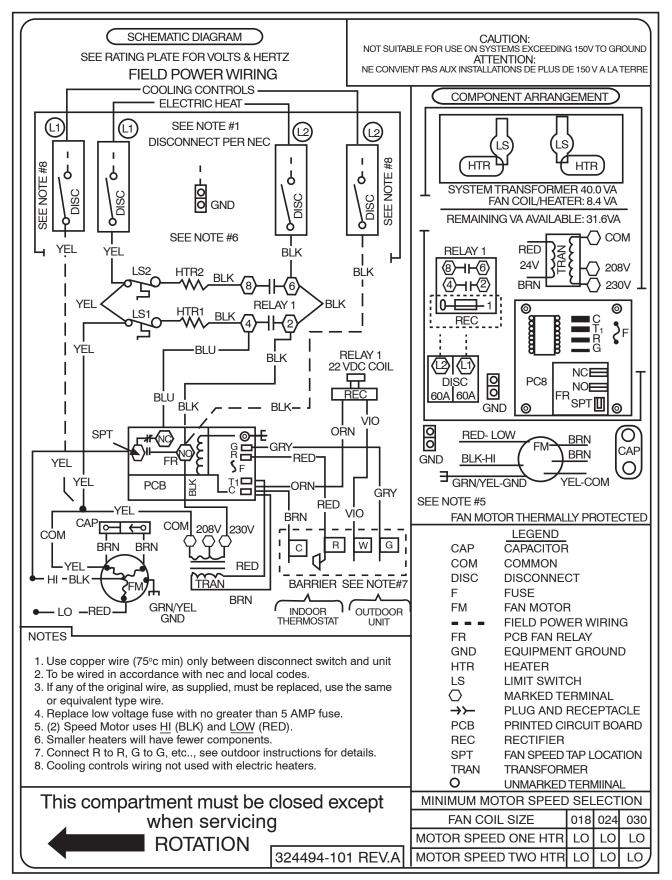
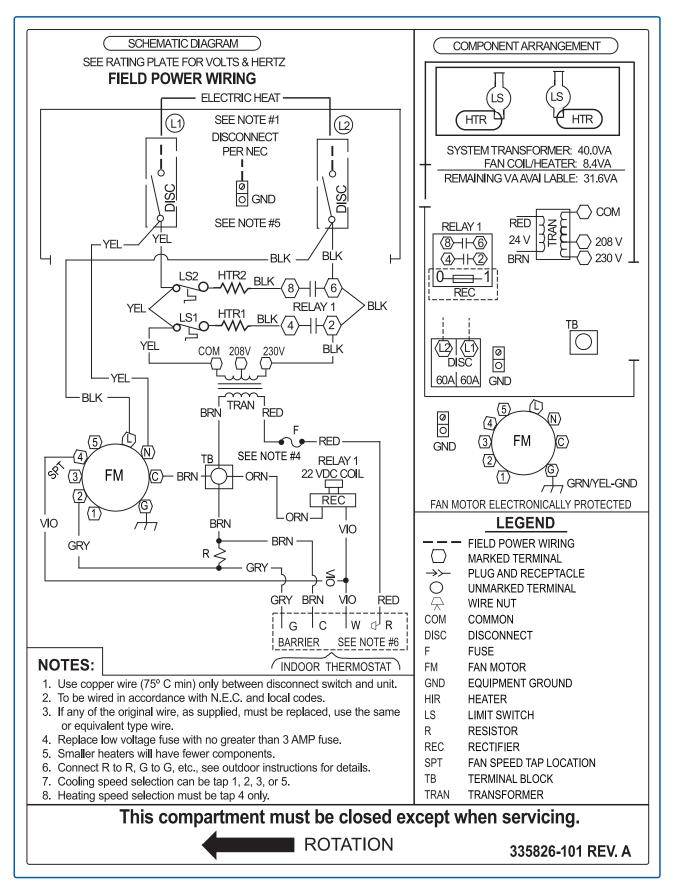


Fig. 20 - 324494-101



A09212

Fig. 21 - 335826-101

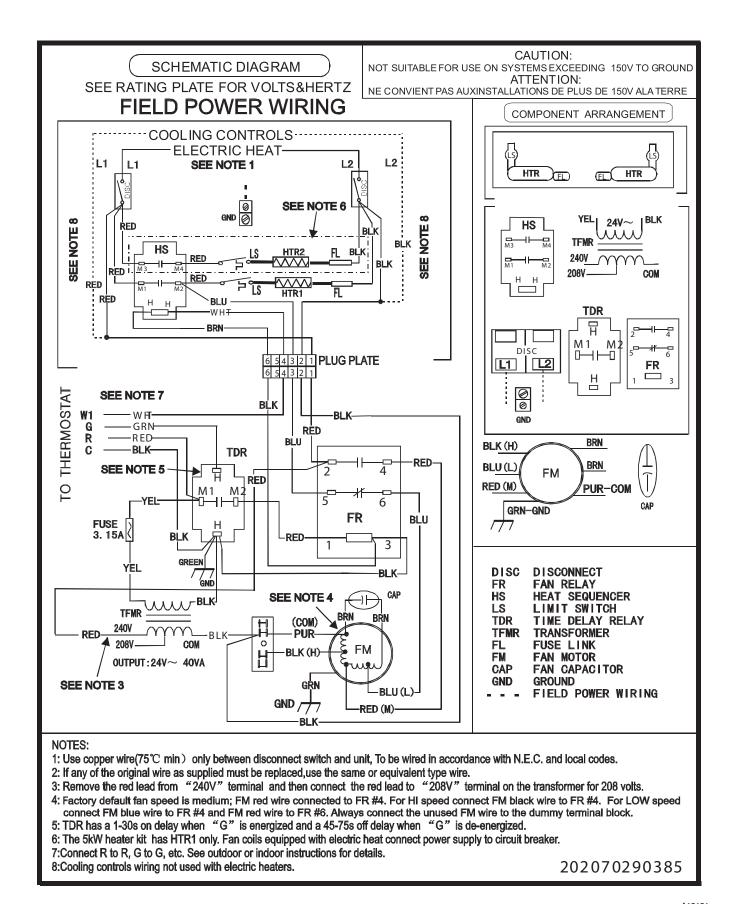


Fig. 22 - EHK2 Electric Heaters

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Edition Date: 02/13

Catalog No: WD-FANCOIL-02

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