



Wiring Diagram

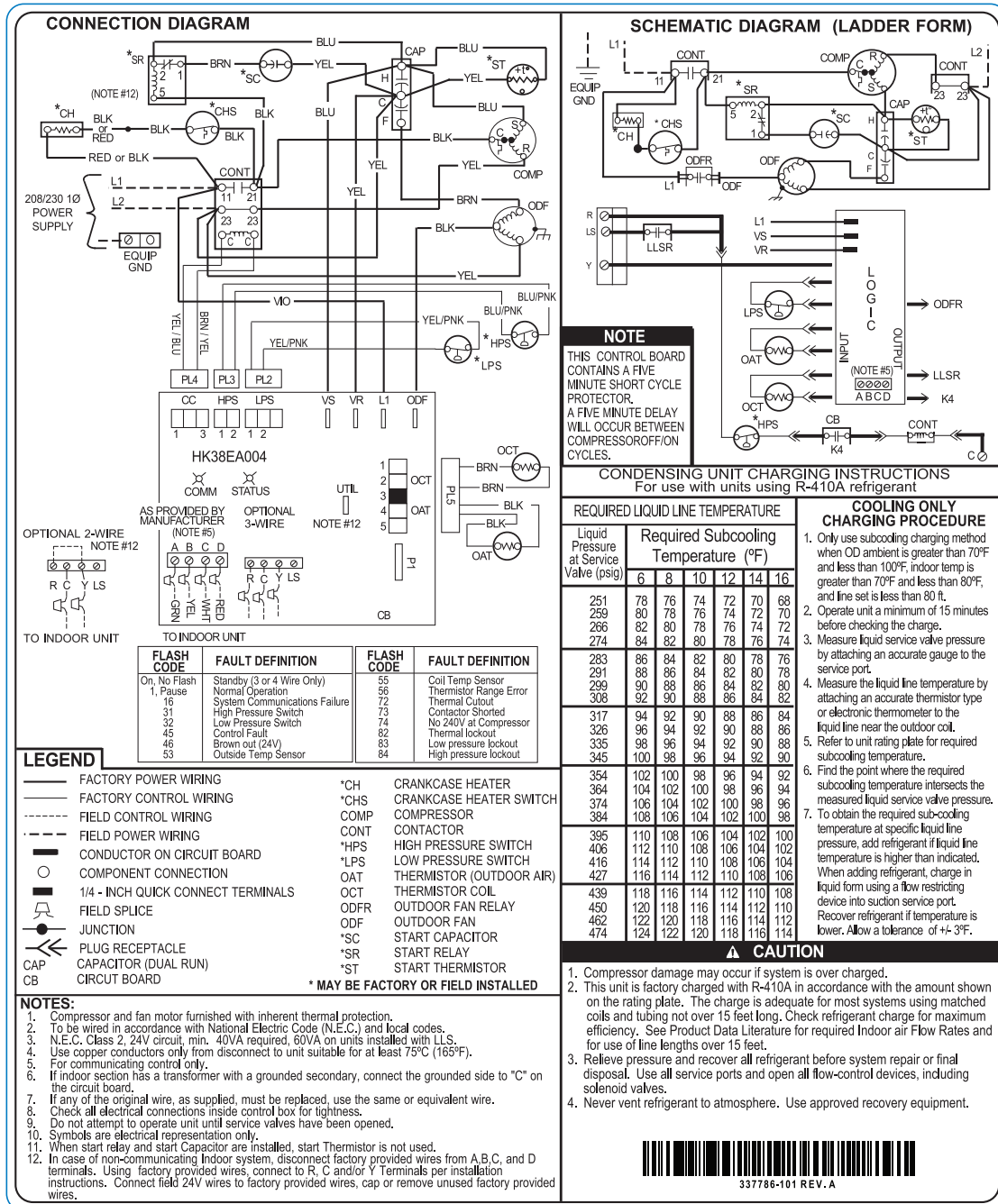
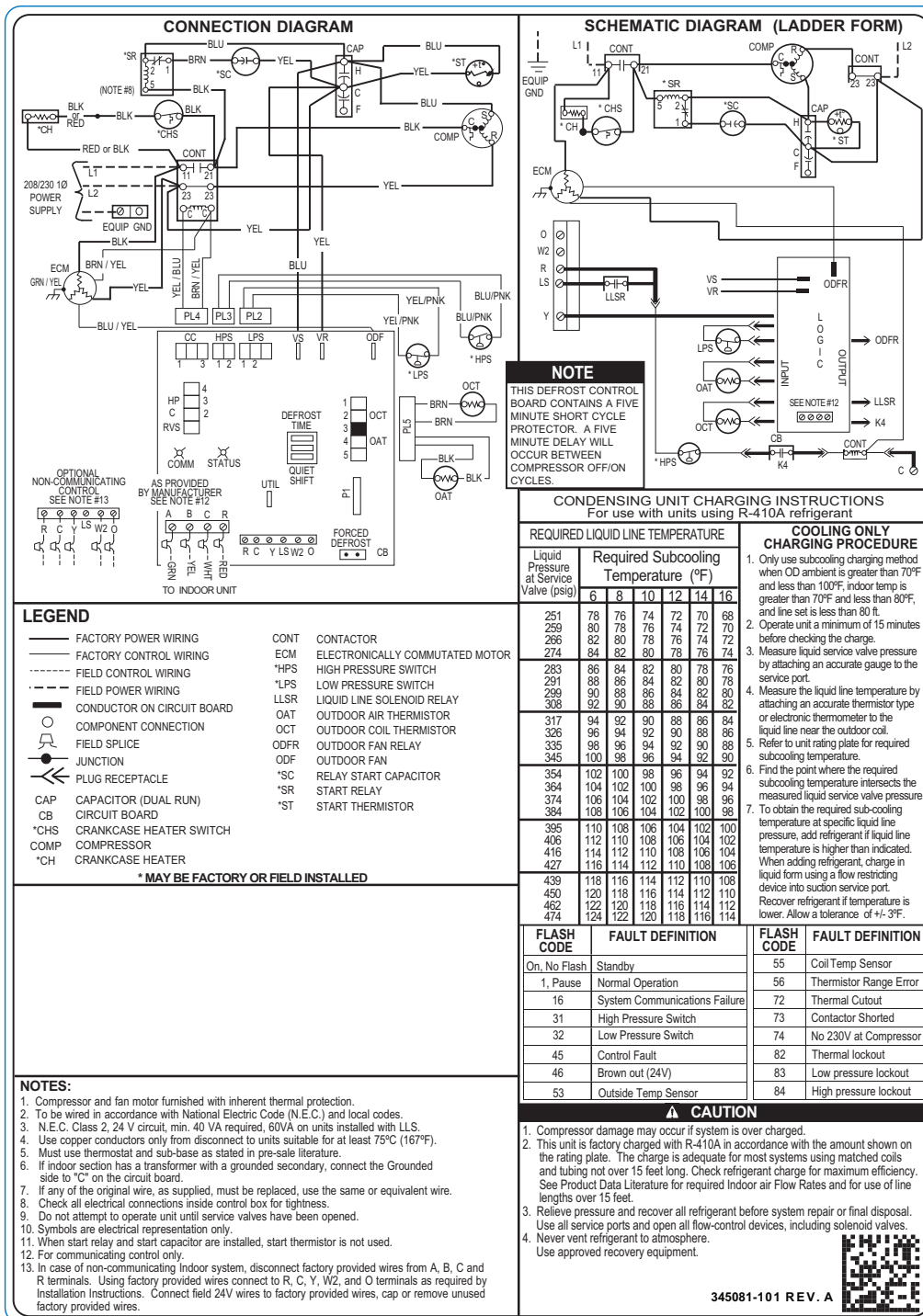


Fig. 1 – Wiring Diagram — 186BNA018, 24, 36, 42, 48 and 600, 208/230-1



337786-101 REV. A



LEGEND

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| <ul style="list-style-type: none"> — FACTORY POWER WIRING — FACTORY CONTROL WIRING ----- FIELD CONTROL WIRING - - - - - FIELD POWER WIRING ○ CONDUCTOR ON CIRCUIT BOARD ○ COMPONENT CONNECTION ○ FIELD SPLICE ○ CIRCUIT BOARD ○ JUNCTION ⊕ PLUG RECEPTACLE CAP CAPACITOR (DUAL RUN) CB CIRCUIT BOARD *CHS CRANKCASE HEATER SWITCH COMP COMPRESSOR *CH CRANKCASE HEATER | <ul style="list-style-type: none"> CONT CONTACTOR ECM ELECTRONICALLY COMMUTATED MOTOR *HPS HIGH PRESSURE SWITCH *LPS LOW PRESSURE SWITCH LLSR LIQUID LINE SOLENOID RELAY OAT OUTDOOR AIR THERMISTOR OCT OUTDOOR COIL THERMISTOR ODFR OUTDOOR FAN RELAY ODF OUTDOOR FAN *SC RELAY START CAPACITOR *SR START RELAY *ST START THERMISTOR |
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* MAY BE FACTORY OR FIELD INSTALLED

NOTES:

- Compressor and fan motor furnished with inherent thermal protection.
- To be wired in accordance with National Electric Code (N.E.C.) and local codes.
- N.E.C. Class 2, 24 V circuit, min. 40 VA required, 60VA on units installed with LLS.
- Use copper conductors only from disconnect to units suitable for at least 75°C (167°F).
- Must use thermostat and sub-base as stated in pre-sale literature.
- If indoor section has a transformer with a grounded secondary, connect the Grounded side to "C" on the circuit board.
- If any of the original wire, as supplied, must be replaced, use the same or equivalent wire.
- Check all electrical connections inside control box for tightness.
- Do not attempt to operate unit until service valves have been opened.
- Symbols are electrical representation only.
- When start relay and start capacitor are installed, start thermistor is not used.
- For communicating control only.
- In case of non-communicating Indoor system, disconnect factory provided wires from A, B, C and R terminals. Using factory provided wires connect to R, C, Y, W2, and O terminals as required by Installation Instructions. Connect field 24V wires to factory provided wires, cap or remove unused factory provided wires.

Fig. 1 – Wiring Diagram — 186BNA060B, 208/230-1