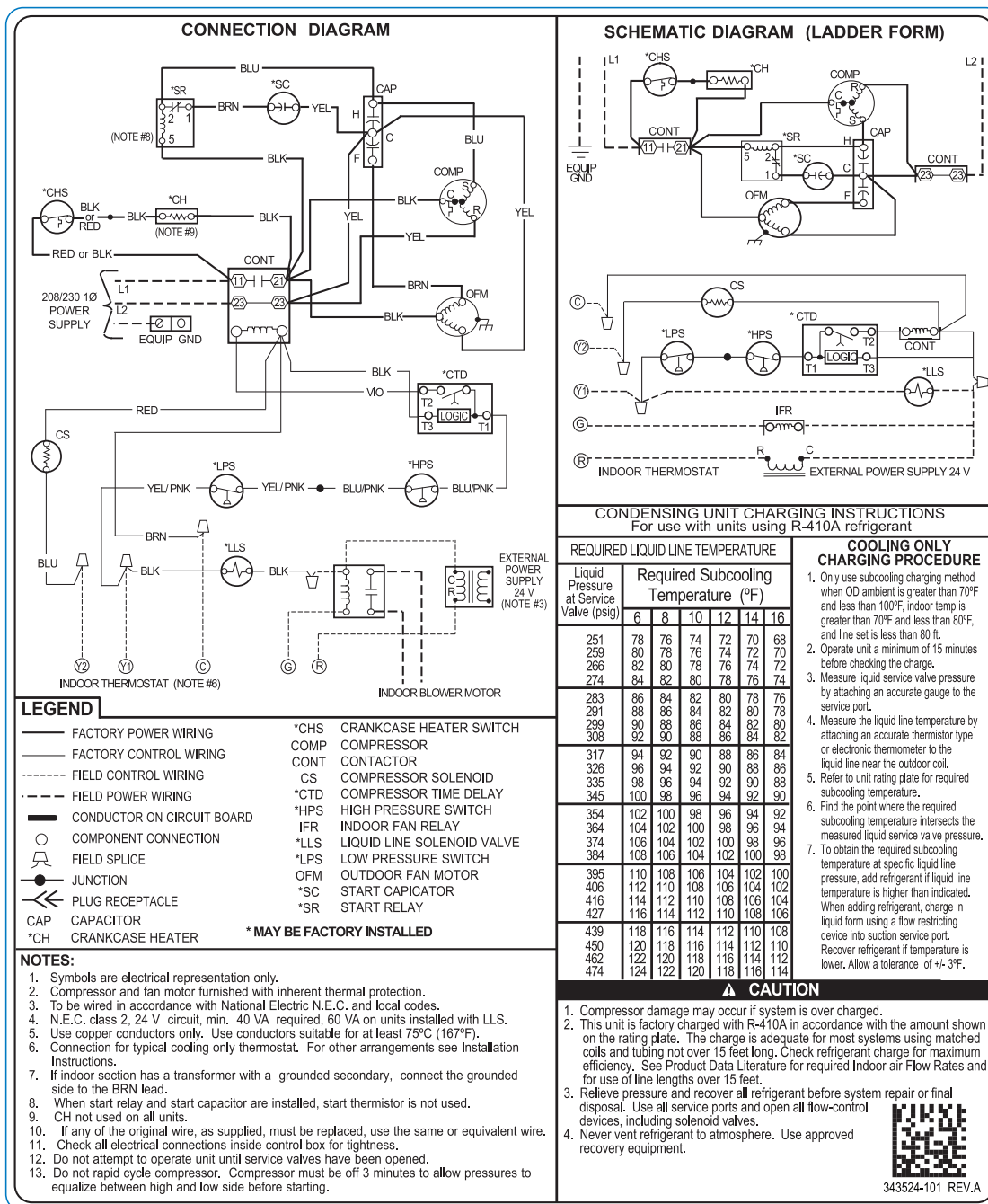


# Wiring Diagram



- #### LEGEND
- |  |  |                                   |
|--|--|-----------------------------------|
| <ul style="list-style-type: none"> <li>— FACTORY POWER WIRING</li> <li>— FACTORY CONTROL WIRING</li> <li>--- FIELD CONTROL WIRING</li> <li>- - - FIELD POWER WIRING</li> <li>— CONDUCTOR ON CIRCUIT BOARD</li> <li>○ COMPONENT CONNECTION</li> <li>○ FIELD SPLICE</li> <li>● JUNCTION</li> <li>⊃ PLUG RECEPTACLE</li> <li>CAP CAPACITOR</li> <li>*CH CRANKCASE HEATER</li> </ul> | <ul style="list-style-type: none"> <li>*CHS CRANKCASE HEATER SWITCH</li> <li>COMP COMPRESSOR</li> <li>CONT CONTACTOR</li> <li>CS COMPRESSOR SOLENOID</li> <li>*CTD COMPRESSOR TIME DELAY</li> <li>*HPS HIGH PRESSURE SWITCH</li> <li>IFR INDOOR FAN RELAY</li> <li>*LLS LIQUID LINE SOLENOID VALVE</li> <li>*LPS LOW PRESSURE SWITCH</li> <li>OFM OUTDOOR FAN MOTOR</li> <li>*SC START CAPACITOR</li> <li>*SR START RELAY</li> </ul> | <p>* MAY BE FACTORY INSTALLED</p> |
|--|--|-----------------------------------|

- #### NOTES:
- Symbols are electrical representation only.
  - Compressor and fan motor furnished with inherent thermal protection.
  - To be wired in accordance with National Electric N.E.C. and local codes.
  - N.E.C. class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
  - Use copper conductors only. Use conductors suitable for at least 75°C (167°F).
  - Connection for typical cooling only thermostat. For other arrangements see Installation Instructions.
  - If indoor section has a transformer with a grounded secondary, connect the grounded side to the BRN lead.
  - When start relay and start capacitor are installed, start thermistor is not used.
  - CH not used on all units.
  - 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.
  - Do not rapid cycle compressor. Compressor must be off 3 minutes to allow pressures to equalize between high and low side before starting.

- #### CAUTION
- Compressor damage may occur if system is over charged.
  - This unit is factory charged with R-410A in accordance with the amount shown on the rating plate. The charge is adequate for most systems using matched coils and tubing not over 15 feet long. Check refrigerant charge for maximum efficiency. See Product Data Literature for required Indoor Air Flow Rates and for use of line lengths over 15 feet.
  - Relieve pressure and recover all refrigerant before system repair or final disposal. Use all service ports and open all flow-control devices, including solenoid valves.
  - Never vent refrigerant to atmosphere. Use approved recovery equipment.



Fig. 1 – Wiring Diagram — Model PA17NA024-060, 208/230-1