



DWG. NO. 90-103022-01 REV 00

COMPONENT CODE	
CCH	CRANK CASE HEATER CONTROL
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COMP	COMPRESSOR
E	CONTROL BOARD WIRE TERMINATION
GL	GROUND LUG
GND	GROUND, CHASSIS
HPC	HIGH PRES. CUT-OUT CONTROL
ICC	INTEGRATED COMPRESSOR CONTROL
K	CONTROL BOARD RELAY
LPC	LOW PRESSURE CONTROL
OFM	OUTDOOR FAN MOTOR
OPT	OPTIONAL
RC	RUN CAPACITOR
RES	RESISTOR
SC	START CAPACITOR
SR	START RELAY
ST1	CONTROL BOARD POWER TERMINAL BLOCK
ST2	CONTROL BOARD COMPRESSOR WIRE TERMINAL
TB	TERMINAL BLOCK

- NOTES:**
- CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
  - COMPRESSOR MOTOR THERMALLY PROTECTED.
  - CONNECT FIELD WIRING IN GROUNDED RAINTIGHT CONDUIT TO FUSED DISCONNECT, VOLTAGE, HERTZ AND PHASE PER RATING PLATE, AND PER NATIONAL AND LOCAL CODES.
  - LOW VOLTAGE CIRCUIT TO BE N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50 OR 60 HERTZ, MIN 18 AWG.
  - TO THERMOSTAT, REFER TO SYSTEM SCHEMATICS OR SCHEMATICS ON INDOOR SECTION FOR LOW VOLTAGE CONTROL WIRING.
  - L OUTPUT USED ON CERTAIN MODEL THERMOSTATS WITH L TERMINAL.
  - TEST AND SW2 PUSH BUTTONS USED FOR TEST AND DIAGNOSTIC RECALL. SEE PUSH BUTTON LABEL FOR DETAILS.
  - 7-SEGMENT LED TO DISPLAY DIAGNOSTIC CODES. SEE DIAGNOSTIC LABEL FOR DETAILS.
  - TORQUE REQUIREMENTS 20 IN.-LB. CHECK ANNUALLY.
  - SOLID ON INDICATES Y1 CALL PRESENT AT ICC CONTROL.
  - LPC AND HPC ARE AUTOMATIC RESET SWITCHES.

**WIRING INFORMATION**

LINE VOLTAGE  
 -FACTORY STANDARD \_\_\_\_\_  
 -FACTORY OPTION - - - - -  
 -FIELD INSTALLED - - - - -

LOW VOLTAGE  
 -FACTORY STANDARD \_\_\_\_\_  
 -FACTORY OPTION - - - - -  
 -FIELD INSTALLED - - - - -

REPLACEMENT WIRE  
 -MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C° MIN.)  
 WARNING  
 -CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

**WIRE COLOR CODE**

BK	BLACK	GY	GRAY	R	RED
BR	BROWN	O	ORANGE	W	WHITE
BL	BLUE	PK	PINK	Y	YELLOW
G	GREEN	PR	PURPLE		

**ELECTRICAL WIRING DIAGRAM**

**AIR CONDITIONER**  
**1 STAGE/ECM**  
**INTEGRATED COMPRESSOR CONTROL**

DR. BY APP. BY DATE DWG. NO. REV  
 MGR DB 10-7-08 90-103022-01 00