



Climate Control Solutions

Bard Manufacturing Company
Bryan, Ohio 43506

INSTALLATION INSTRUCTIONS

CMA-16A

LOW PRESSURE CONTROL

DESCRIPTION

The CMA-16A is a field installable non-adjustable low pressure control with low pressure bypass relay. The bypass relay prevents nuisance tripping of the low pressure control during start up. The CMA-16A consists of:

1. Low Pressure Control 1804-0107
2. Installation Instruction 7960-468
3. CMA-16A unit label 7961-312-0122

For use with all WA/WL181 – WA/WL602 Hi-Boy Wall Mount Air Conditioners.

INSTALLATION INSTRUCTIONS

For use with all WA/WL181 – WA/WL602 Hi-Boy Wall Mount Air Conditioners produced after July 1998.

Disconnect all power to unit. Remove control panel inner and outer covers, and right side condenser inlet grille. Circled numbers on Figure 2 correspond to installation instruction steps. Dashed lines indicate that a wire has been disconnected from this terminal.

Step 1. Route low (blue) pressure switch wires up through the bushing in the bottom of the control panel. Replace sealing compound after routing wires through the bushing. Route the wires through the wire holders in the control panel as shown in Figure 2.

Step 2. Remove jumper wire from LPC terminals on compressor control module (CCM).

Step 3. Connect low pressure switch wires between terminals LPC and LPC of the low pressure bypass TDR. See Figure 2, Step 3.

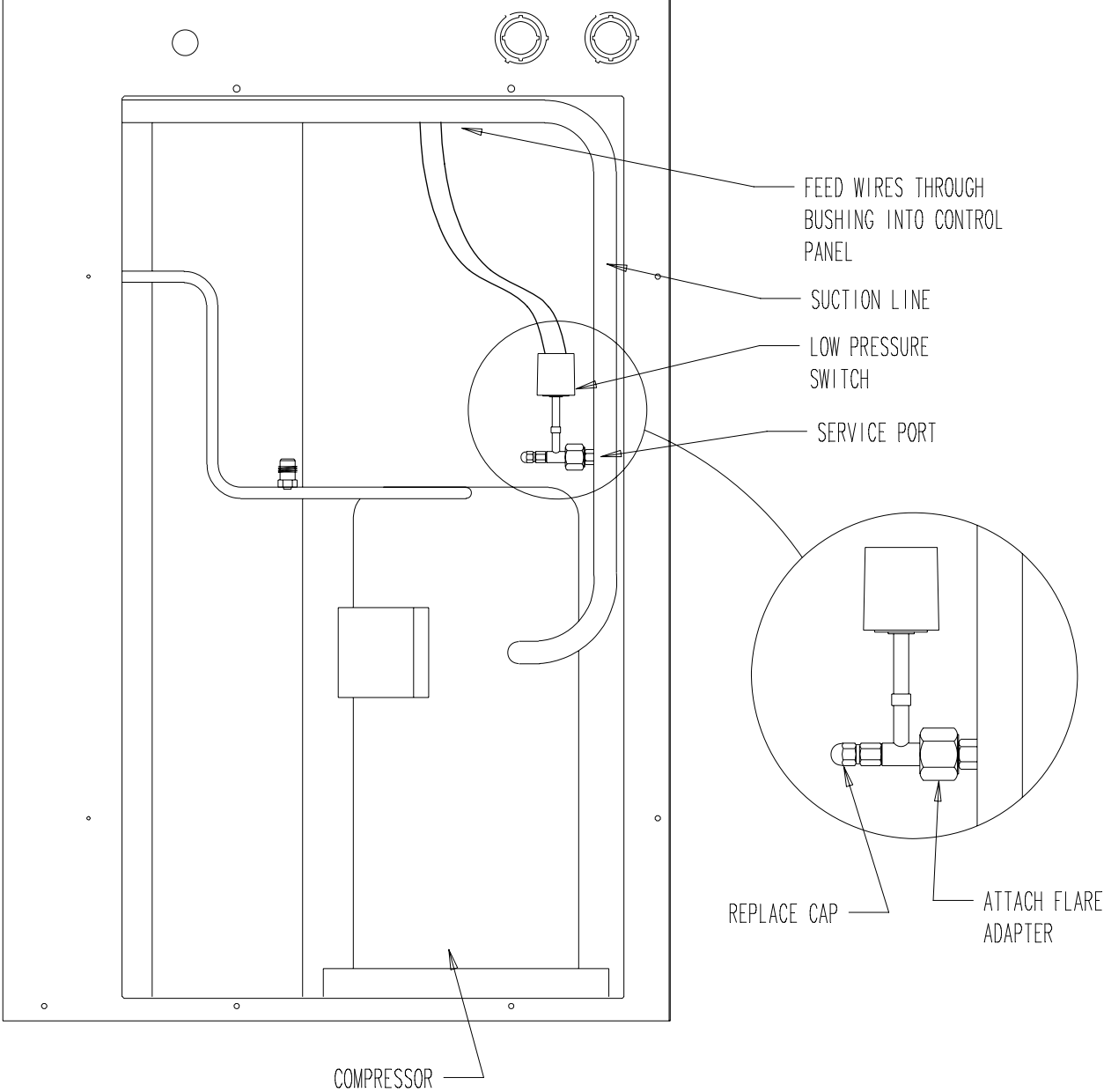
Step 4. Remove service port cap on the suction line. Install the low pressure switch on the suction line with the flare tee adapter that is brazed to the low pressure switch. Check for pressure at the flare tee dill valve after installation to insure that the dill valve in the unit service port was depressed by the flare tee connector. Check for leaks at the flare tee connector. Replace service port cap on the flare tee service port and tighten, See Figure 1.

Step 5. Recheck wiring. See Figure 3. Check for proper operation of the unit by energizing in heating or cooling mode for at least 5 minutes. The unit should not go into lockout.

Step 6. Apply "*This unit equipped with CMA-16A control module*" label to the inside of the inner control panel cover above the wiring diagram.

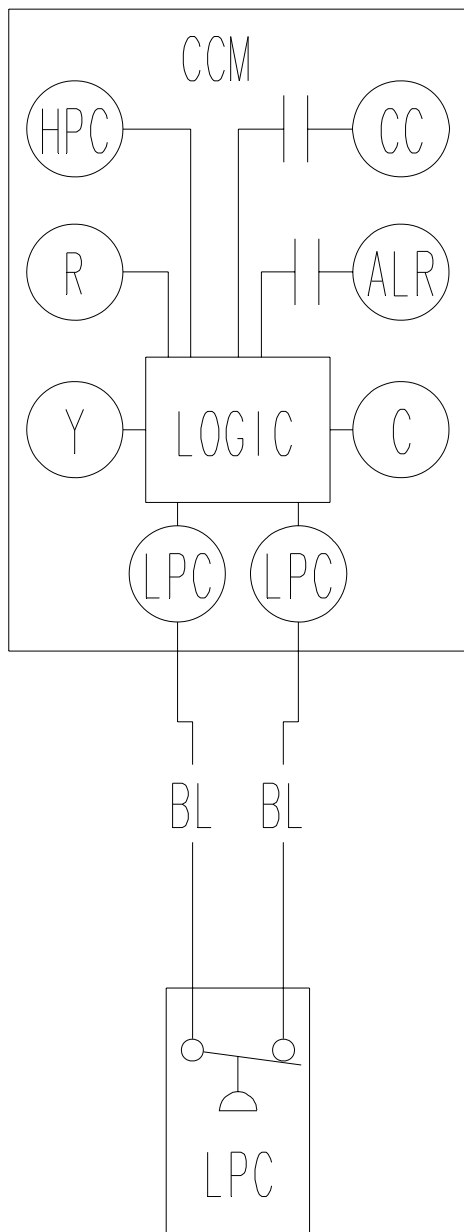
Step 7. Replace all panels and covers. This completes installation.

FIGURE 1



MIS-446

FIGURE 3



MIS-1369