

## JTL USERS CONVERSION GUIDE

### USING AN LCPC AS A REPLACEMENT PART FOR AN LCIC

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The LCPC can be used as a replacement for LCIC controllers. The LCIC & LCPC controllers control both TEV & PEV expansion valves. There is a difference in output functionality when used with TEV expansion valve. RL3 wiring should be moved to RL5.

#### **SUMMARY OF CONTROLLER DIFFERENCES**

##### **Connection Differences for PEV Valve Operation**

None

##### **Connection Differences for TEV Valve Operation**

LCIC    RL3 Liquid solenoid control  
          RL5 unused

LCPC    RL3 Trim heater control  
          RL5 Liquid solenoid control

Ensure that the controller is set for PEV or liquid solenoid control by setting item 160 correctly. Item 160 is set to 0 for liquid solenoid control and 1 for pulsed expansion valve control. Note, the default on an LCIC is ON while the default on LCPC is OFF.

Note when moving wiring ensure Line and Load polarity are retained to preserve EMC functionality.