

CCU Software Enhancements

Enhanced HVAC Control Board software is NOW AVAILABLE

Only applicable to Controls, HVAC with H/W REV 03C, boards with screw down 12V fork terminals

- The CCU software enhancements allow the pressures to better equalize prior to restarting the compressor there by reducing the load on the compressor and the current draw. Additionally, the minimum off time has been increased to 2.5 minutes.

Software enhancement may reduce instances of breakers tripping, typically caused by:

1. Insufficient return air vents for the CCU. At a minimum the 2 vents must be installed (as supplied with APU) unless equivalent or better return airflow is present
2. Operating the system with the vents closed.
3. R134A refrigerant is to be charged with vapor only and first drawn down to a vacuum of at least 500 microns.
4. The R134A charge capacity is 50 to 55 oz.
5. When programming an HVAC control board or replacing it, the 20A fuse within the APU and the 4 pin J1 connector on the APU controller must be disconnected first.

For Complete APU Installation Instructions refer to <http://www.impcotechnologies.com/apu-pub-truck.asp>

Units manufactured with updated software are identified by the S/W revision 04 or higher on the board.
Service HVAC Control Boards with the updated software are identified by a green dot on the software revision label Figure 1 or indicated by software revision 04 on the board, Figure 2.



Figure 1



Figure 2

REFLASH INSTRUCTIONS

To reflash the HVAC Control Board, follow the instructions included with your PIC Programmer, Part # PG1027 available from your Carrier Dealer using software file name TD-CCU-02.01.04.hex available for download at this location:

<https://impcotech.sharefile.com/d-sf0485dfdaff435c8>

For dealers, this file is also available through the IMPCO Warranty Portal.

PIC Family is PIC16F, PIC Device is PIC 16F873A for loading the file to the PIC Programmer