



INFORMATION BULLETIN

No.005

TO : All CCS Lightning Dealers

DATE : December 20, 2006

SUBJECT : **AIRCONDITIONING IS POOR AND/OR SHUTS DOWN IN HIGH AMBIENT TEMPERATURES**

The condenser/fan (CF) is an air-cooled heat exchanger for the air conditioning system of the CCS Lightning. It is imperative that the CF be installed in a location where temperatures will not exceed ambient air temperature due to other sources of heat (typical examples are: APU, Heat Exchanger/Remote Radiator, or Trailer Refer). It is also necessary for the CF to be able to disperse the heat far enough away so that the CF fan will not draw it's own exhausted hot air back through the CF. It is recommended that the CF be mounted in a location where there is a minimum of 12" clearance to disperse the hot air away from the CF.

The Climate Control System (CHEB) must receive and distribute proper airflow. It is important that the correct amount of return air and duct air be used when installing the CCS Lightning, and that other articles stored in the trucks compartments do not block the air flow.

10K CHEB must have 25sq" of ducting and **100sq"** of return grill area (based on 60% free area of the grill which is 60sq" of free area).

14K CHEB Must have 38sq" of ducting and **144sq"** of return grill area (based on 60% free area of the grill which is 87sq" of free area).

Failure to do so will decrease air conditioning performance and/or stop air conditioning from functioning in high ambient/humidity conditions.